

*Annexure A-Allocation
methodology of UPPCL
O&M expenses among
State Distribution
companies*



उत्तर प्रदेश पावर कारपोरेशन लिमिटेड

(उ०प्र० सरकार का उपक्रम)

U.P. POWER CORPORATION LIMITED

(Govt. of Uttar Pradesh Undertaking)

CIN No. U32201UP1999SGC024928

पत्रांक :- 743-कार्य/चौदह-पाकालि/2020-24-के/2020/लेखा स्कन्ध

दिनांक:- 10 जून, 2020

कार्यालय-ज्ञाप

उ०प्र० पावर कारपोरेशन लि० (पा०का०लि०) की मुख्यालय स्थित तथा परिक्षेत्रीय लेखा कार्यालय (सामग्री प्रबन्ध), पा०का०लि० के नियन्त्रणाधीन विभिन्न इकाईयां एवं कार्यालयों यथा निधि प्रबन्ध, वाणिज्य स्कन्ध, नियोजन स्कन्ध, रेग्युलेटरी अफेयर यूनिट, रेस्पो, ई०एस०पी०सी०, पी०पी०ए०, कम्प्यूटराईजेशन इकाई, अपर पुलिस महानिदेशक (सतर्कता)/पुलिस अधीक्षक (सतर्कता-विद्युत कोष) के कार्यालय, विद्युत सेवा आयोग, विद्युत प्रशिक्षण संस्थान तथा मुख्य अभियन्ता (जल विद्युत) द्वारा पा०का०लि० की सहायक विद्युत वितरण कम्पनियों यथा पूर्वांचल, मध्यांचल, पश्चिमांचल, दक्षिणांचल विद्युत वितरण निगम एवं केस्को हेतु विद्युत उत्पादको से बल्क ऊर्जा क्रय कर विद्युत वितरण निगमों को बल्क विद्युत आपूर्ति करना, विद्युत क्रय दायित्वों का भुगतान, विद्युत निगमों की ओर से विद्युत नियामक आयोग में ए०आर०आर० दाखिल किया जाना, नीति निर्धारण, वित्तीय संस्थानों से वित्त पोषण हेतु समन्वय, शासन से समन्वय, कार्मिकों की नियुक्ति व उनको प्रशिक्षण दिया जाना तथा कामन कैंडर के कार्मिकों का अधिष्ठान एवं सेवानैवृत्तिक दायित्वों के निस्तारण सम्बन्धी कार्य व अन्य आनुषंगिक कार्य किये जा रहे हैं। उपरोक्त कार्यों के सम्पादन में उ०प्र० पावर कारपोरेशन लि० की लेखीय इकाईयों के लेखों में कर्मचारी लागत, प्रशासनिक, सामान्य व अन्य व्यय, ब्याज व अन्य वित्तीय लागत, मरम्मत व अनुरक्षण व्यय, सम्पत्तियों पर ह्रास, देनदारों, चालू सम्पत्तियों व विनियोगों पर उनके मूल्य में कमी/संदिग्ध देनदारों के लिये कुछ प्रावधान किये जाते हैं, साथ ही फिक्स डिपॉजिट/विनियोग पर आय व आय के अन्य मदों में कुछ धनराशि विविध आय (Other Income) शीर्षक के अन्तर्गत प्रदर्शित होती है।

उपरोक्त परिप्रेक्ष्य में रेगुलेटरी अफेयर यूनिट (आर०ए०यू०) द्वारा विद्युत वितरण कम्पनियों के लिये किये जा रहे कार्य सम्पादन के दृष्टिगत पा०का०लि० के ओ०एण्डएम० व्ययों को वितरण निगमों पर भारित किए जाने का अभिमत दिया है। अतः इस सम्बन्ध में उपरोक्त अभिमतानुसार पा०का०लि० के ओ०एण्डएम० व्ययों में से भारण योग्य व्ययों को सुसंगत आधार पर विद्युत वितरण कम्पनियों पर भारित किया जाना आवश्यक है ताकि इन व्ययों के वित्त पोषण हेतु सरल व सुदृढ़ व्यवस्था भी सुनिश्चित की जा सके।

उपरोक्तानुसार व्ययों के भारण हेतु, निदेशक मण्डल से कार्योत्तर अनुमोदन की प्रत्याशा में, पा०का०लि० की लेखीय इकाईयों (अनुलग्नक 'अ') के लेखों के अन्तर्गत व्ययों के मद में प्रदर्शित अवशेषों यथा कर्मचारी लागत तथा प्रशासनिक, सामान्य व अन्य व्यय, मरम्मत व अनुरक्षण व्यय आदि को सहायक विद्युत वितरण कम्पनियों पर विगत वित्तीय वर्ष में कुल बिक्रीत ऊर्जा की मात्रा (एम०यू०) के अनुपात में, निम्नांकित बिन्दु-1 के अन्तर्गत विशिष्ट कार्य सम्पादन कर रही इकाईयों/खण्ड/ संस्थान/कार्यालय आदि हेतु उ०प्र० ऊर्जा क्षेत्र की अन्य सम्बन्धित कम्पनियों व वितरण कम्पनियों को व्यय भारण की निर्दिष्ट व्यवस्था के प्रतिबन्धाधीन, भारित कर अन्तरित किया जाये। अग्रेतर पा०का०लि० के लेखों में प्रदर्शित स्थायी सम्पत्तियों के सापेक्ष आगणित ह्रास व इन सम्पत्तियों पर किये गये पा०का०लि० से सम्बन्धित मरम्मत व अनुरक्षण व्यय, पा०का०लि० द्वारा दिये गए बैंक चार्ज तथा लेखों में प्रदर्शित 'विनियोग', 'विविध देनदार' व 'अन्य सम्पत्तियों' पर क्रमशः इनके मूल्यों में कमी/संदिग्ध देनदार/संदिग्ध प्रायों हेतु किये गये प्रावधान की धनराशि का अन्तरण नहीं किया जायेगा। इसी क्रम में लेखों में प्रदर्शित पा०का०लि० से सम्बन्धित विविध आय को भी डिस्कॉमस् को अन्तरित नहीं किया जायेगा।

- 1.(क) कारपोरेशन की शक्ति भवन स्थित विद्युत जानपद इकाई (लो०को० 641), विद्युत अनुरक्षण इकाई (लो०को० 646) तथा विद्युत एवं यान्त्रिक इकाई (पेन्शन सेल) (लो०को० 647) जो कि शक्ति भवन, शक्ति भवन विस्तार व शक्ति भवन परिसर पर वातानुकूलन, सुरक्षा व्यवस्था, अग्नि शमन संयन्त्रों की व्यवस्था, लिफ्ट संचालन, मरम्मत व अनुरक्षण जैसी अन्य केन्द्रीकृत प्रसुविधायें पर व्यय करती है जिसका उपयोग शक्ति भवन स्थित उ०प्र० पावर कारपोरेशन लि०, उ०प्र० राज्य विद्युत उत्पादन निगम लि०, उ०प्र० जल विद्युत निगम लि०, उ०प्र० पावर ट्रांसमिशन कारपोरेशन लि० के कार्यालयों द्वारा किया जाता है अतः केन्द्रीय प्रसुविधाओं पर हुए व्ययों को उक्त कम्पनियों के कार्यालयों द्वारा मुख्यालय भवनो पर अध्यासित क्षेत्र (Occupied area) के अनुपात में विभक्त किया जाये तथा

पा0का0लि0 के अंश को छोड़कर व्ययों की शेष धनराशि को सम्बन्धित कम्पनियों पर भारित कर अन्तरित किया जाये।

- (ख) विद्युत जानपद निर्माण खण्ड, लखनऊ (लो0को0 645) के द्वारा लखनऊ जनपद में स्थित पावर कारपोरेशन की आवासीय कालोनियों/स्कूल के वार्षिक अनुरक्षण एवं नलकूप संचालन के कार्यों हेतु आने वाले वित्तीय भार का वहन अध्यक्ष, उ0प्र0 पावर कारपोरेशन लि0 के कार्यालय ज्ञाप 530-कार्य/चौदह-पाकालि/ 2020-13-के/2020 दिनांक 16 मार्च, 2020 में निहित निर्देशों के अनुसार उत्तर प्रदेश पावर ट्रांसमिशन कारपोरेशन लि0 एवं उ0प्र0 राज्य विद्युत उत्पादन निगम लि0 द्वारा किया जाएगा।
- (ग) कार्यालय अपर पुलिस महानिदेशक (सतर्कता), (लोकेशन कोड 983) के नियन्त्रणाधीन मुख्यालय लखनऊ पर तैनात अधिकारियों व अधिकारिकों तथा विद्युत वितरण कम्पनियों में सृजित/क्रियाशील विद्युत चोरी निरोधक थाने एवं प्रवर्तन दल पर तैनात अधिकारियों एवं अधिकारिकों से सम्बन्धित कर्मचारी लागत, प्रशासनिक, सामान्य व अन्य व्यय लेखों में प्रदर्शित होते हैं, अतः मुख्यालय लखनऊ पर तैनात अधिकारियों व अधिकारिकों से सम्बन्धित कर्मचारी लागत, प्रशासनिक, सामान्य व अन्य व्ययों को छोड़कर, इन मदों में शेष धनराशि को विद्युत वितरण कम्पनियों पर उपरोक्तानुसार अधिकारियों एवं अधिकारिकों की तैनाती की संख्या के अनुपात में सम्बन्धित विद्युत वितरण कम्पनी पर भारित कर अन्तरित किया जाये।
- (घ) कार्यालय पुलिस अधीक्षक, उ0प्र0 सतर्कता अधिष्ठान (विद्युत कोष्ठ) (लोकेशन कोड 972) के नियन्त्रणाधीन अधिकारियों/अधिकारिकों से सम्बन्धित कर्मचारी लागत तथा प्रशासनिक, सामान्य व अन्य व्ययों को उ0प्र0 पावर कारपोरेशन लि0, उ0प्र0 राज्य विद्युत उत्पादन निगम लि0, उ0प्र0 जल विद्युत निगम लि0, उ0प्र0 पावर ट्रांसमिशन कारपोरेशन लि0 तथा समस्त विद्युत वितरण कम्पनियों (डिस्कॉमस व केस्को) के मध्य समान अनुपात (equal ratio) में विभक्त किया जाये तथा पा0का0लि0 के अंश को छोड़कर व्ययों की शेष धनराशि को सम्बन्धित कम्पनियों पर भारित कर अन्तरित किया जाये।
- (ङ) अध्यक्ष, उ0प्र0 पावर कारपोरेशन लि0 के कार्यालय ज्ञाप 216-प्रशि0-10/पाकालि/2020-36-प्रसे0/99 टीसी-2 दिनांक 09 जून, 2020 में निहित निर्देशों के अनुसार विद्युत प्रशिक्षण संस्थान (लोकेशन कोड 982) में सुरक्षा व्यवस्था, कम्प्यूटर आपरेटर, विविध अनुरक्षण कार्यों हेतु ओ0एण्डएम0 एवं प्रशिक्षण कार्यक्रमों के मद में व्यय होने वाली राशि को उत्तर प्रदेश पावर ट्रांसमिशन कारपोरेशन लि0, पूर्वांचल, मध्यांचल, पश्चिमांचल, दक्षिणांचल विद्युत वितरण निगम (प्रत्येक द्वारा 19 प्रतिशत) तथा केस्को द्वारा 5 प्रतिशत की दर से वहन किया जाएगा।

संस्थान द्वारा पा0का0लि0 के कार्यालय ज्ञाप संख्या 505/पी0सी0एल0/सी0ए0-ए0एस0/ट्रांसको दिनांक 14.11.2018 में निर्दिष्ट व्यवस्था के अनुसार ट्रांसको को संस्थान की कर्मचारी लागत का 25% व्यय का अन्तरण नहीं किया जाएगा।

अतः संस्थान के लेखों में प्रदर्शित कर्मचारी लागत में से 10% राशि को तदर्थ आधार पर पा0का0लि0 के लिए रोकते हुये, शेष राशि को उत्तर प्रदेश पावर ट्रांसमिशन कारपोरेशन लि0, पूर्वांचल, मध्यांचल, पश्चिमांचल, दक्षिणांचल विद्युत वितरण निगम तथा केस्को पर उपरोक्तानुसार निर्दिष्ट अनुपात में भारित कर अन्तरित किया जाएगा।

विद्युत प्रशिक्षण संस्थान द्वारा यदि ऊर्जा क्षेत्र की अन्य कम्पनियों यथा उत्तर प्रदेश राज्य विद्युत उत्पादन निगम लि0/जल विद्युत निगम लि0 एवं बाह्य संस्थानों के अधिकारियों/कर्मचारियों के प्रशिक्षण पर व्यय किया जाता है तो उक्त व्ययों की 100 प्रतिशत प्रतिपूर्ति संबंधित कम्पनियों/संस्थानों से प्राप्त करते समय संस्थान की मार्गदर्शक संस्था द्वारा प्रतिपूर्ति हेतु जो धनराशि प्रति प्रशिक्षणार्थी निर्धारित की जाए उसमें संस्थान के सभी व्ययों जैसे कि कर्मचारी लागत, आनुषंगिक ओ0एण्डएम0 व्यय इत्यादि को समाहित किया जाये।

- (च) कार्यालय मुख्य अभियन्ता (जल विद्युत) (लोकेशन कोड 971) द्वारा मुख्य अभियन्ता संवर्ग एवं अवर अभियन्ता संवर्ग (कॉमन कैंडर) के कार्मिकों के सम्बन्ध में तैनाती, अधिष्ठान, सेवानिवृत्तिक लाभों हेतु कार्यवाही आदि कार्य सम्पादन की दशा के दृष्टिगत इस कार्यालय के लेखों में प्रदर्शित कर्मचारी लागत, प्रशासनिक, सामान्य व अन्य व्ययों आदि को समस्त विद्युत वितरण कम्पनियों, उ0प्र0 पावर कारपोरेशन लि0, उ0प्र0 पावर ट्रांसमिशन कारपोरेशन लि0 में तैनात कॉमन कैंडर के कर्मचारियों की संख्या में विभक्त किया जाये तथा पा0का0लि0 के अंश को छोड़कर व्ययों की शेष धनराशि को सम्बन्धित कम्पनियों पर भारित कर अन्तरित किया जाये।
- (छ) विद्युत सेवा आयोग (लोकेशन कोड 973) द्वारा समस्त वितरण निगमों, ट्रांसको, पा0का0लि0 के लिए कर्मचारियों की भर्ती प्रक्रिया सम्पादित कराये जाने वाले कार्यों के दृष्टिगत आयोग के समस्त व्ययों को विद्युत वितरण

कम्पनियों, ट्रांसको, पा0का0लि0 में रिक्त पदों की संख्या के अनुपात में विभक्त किया जाये तथा पा0का0लि0 के अंश को छोड़कर व्ययों की शेष धनराशि को सम्बन्धित कम्पनियों पर भारित कर अन्तरित किया जाये।

- (ज) मुख्यालय भुगतान (लोकेशन कोड 992) द्वारा डिस्कामस् से सम्बन्धित योजनाओं के विज्ञापन व्ययों पर किये गये व्ययों को वर्तमान में व्यय से सम्बन्धित अनुभाग के नियन्त्रक अधिकारी अथवा अन्य प्राधिकृत अधिकारी द्वारा निर्दिष्ट अनुपात में भारित किया जा रहा है। इसी प्रकार डिस्कामस के कार्मिकों की कैंशलेस चिकित्सा सुविधा के भुगतान को सम्बन्धित डिस्कामस को भारित किया जा रहा है, अतः इस सम्बन्ध में अग्रतर किये जाने वाले व्ययों को व्यय से सम्बन्धित अनुभाग के नियन्त्रक अधिकारी अथवा अन्य प्राधिकृत अधिकारी द्वारा निर्दिष्ट अनुपात में ही विद्युत वितरण कम्पनियों को यथावत भारित किया जाये तथा जहाँ पर कोई व्यय स्पष्टतः किसी विद्युत वितरण कम्पनी से सम्बन्धित है तो उक्त को सम्बन्धित वितरण कम्पनी पर भारित किया जायेगा।

उ0प्र0 पावर कारपोरेशन लि0 के कार्यालय ज्ञाप संख्या 505/पी0सी0एल0/सी0ए0-ए0एस0/ट्रांसको दिनांक 14.11.2018 के द्वारा कर्मचारी लागत को पावर ट्रांसमिशन कारपोरेशन लि0 पर भारित किये जाने वाले निर्देश वित्तीय वर्ष 2019-2020 के लिए प्रभावी नहीं होंगे।

इकाई द्वारा उ0प्र0 पावर कारपोरेशन लि0 अंशदायी भविष्य निधि ट्रस्ट से सम्बन्धित कर्मचारी लागत को समस्त विद्युत वितरण कम्पनियों, उ0प्र0 पावर कारपोरेशन तथा उ0प्र0 पावर ट्रांसमिशन कारपोरेशन द्वारा अंशदान के अनुपात में विभक्त किया जाये तथा पा0का0लि0 के अंश को छोड़कर शेष धनराशि समस्त कम्पनियों को भारित करते हुये अन्तरित किया जाये।

- (झ) केन्द्रीय भुगतान प्रकोष्ठ (लोकेशन कोड 396) द्वारा डिस्काम से सम्बन्धित विभिन्न योजनाओं पर किये गये व्ययों को वर्तमान में व्यय से सम्बन्धित अनुभाग के नियन्त्रक अधिकारी अथवा अन्य प्राधिकृत अधिकारी द्वारा निर्दिष्ट अनुपात में भारित किया जा रहा है। अतः इस सम्बन्ध में अग्रतर किये जाने वाले व्ययों को व्यय से सम्बन्धित अनुभाग के नियन्त्रक अधिकारी अथवा अन्य प्राधिकृत अधिकारी द्वारा निर्दिष्ट अनुपात में ही विद्युत वितरण कम्पनियों को यथावत भारित किया जाए, साथ ही जहाँ पर कोई प्रशासनिक व सामान्य व्यय स्पष्टतः किसी वितरण कम्पनी से सम्बन्धित है तो उक्त को सम्बन्धित वितरण कम्पनी पर भारित किया जायेगा।

प्रकोष्ठ द्वारा यू0पी0 पावर सेक्टर इम्पलाईज ट्रस्ट की कर्मचारी लागत व प्रशासनिक व सामान्य व्ययों के भुगतान को समस्त वितरण कम्पनियों, पावर कारपोरेशन, उत्पादन निगम, जल विद्युत निगम तथा पावर ट्रांसमिशन कारपोरेशन के द्वारा अंशदान के अनुपात में तथा उ0प्र0 पावर कारपोरेशन लि0 अंशदायी भविष्य निधि ट्रस्ट से सम्बन्धित प्रशासनिक व सामान्य व्ययों को समस्त विद्युत वितरण कम्पनियों, उ0प्र0 पावर कारपोरेशन तथा उ0प्र0 पावर ट्रांसमिशन कारपोरेशन द्वारा अंशदान के अनुपात में विभक्त किया जाये तथा पा0का0लि0 के अंश को छोड़कर शेष धनराशि समस्त कम्पनियों को भारित करते हुये अन्तरित किया जाये।

- (ञ) उ0प्र0 पावर कारपोरेशन लि0 मुख्यालय पर कार्यरत विभिन्न अनुभाग/कार्यालय में तैनात अधिकारियों/अधिकारिकों द्वारा सामान्यतः वितरण कम्पनियों के लिए नीति निर्धारण से लेकर विभिन्न पूंजीगत एवं राजस्व सम्बन्धी योजनाओं के सुचारु संचालन हेतु की जा रही कार्यवाही एवं पा0का0लि0 (पृथक शीर्ष कम्पनी के रूप में) के कार्यों के सम्पादन के दृष्टिगत कारपोरेशन की मुख्यालय भुगतान एवं केन्द्रीय भुगतान प्रकोष्ठ से सम्बद्ध इकाईयों की कर्मचारी लागत के 50 प्रतिशत भाग को तदर्थ आधार पर पा0का0लि0 के लेखों में रोकते हुए, शेष 50 प्रतिशत को उत्तर प्रदेश पावर ट्रांसमिशन कारपोरेशन लि0, पूर्वांचल, मध्यांचल, पश्चिमांचल, दक्षिणांचल विद्युत वितरण निगम (प्रत्येक को 9.5 प्रतिशत) तथा केस्को में 2.5 प्रतिशत की दर से भारित कर अन्तरित किया जाएगा।

- (ट) 'प्रशासनिक, सामान्य एवं अन्य व्यय' के अन्तर्गत प्रदर्शित ऐसे मद जिन पर किया गया व्यय स्पष्टतः पा0का0लि0 से सम्बन्धित है यथा पा0का0लि0 के अंकेक्षकों को देय अंकेक्षण शुल्क व उनका यात्रा व्यय, सम्पत्तियों का बीमा शुल्क, विद्युत व्यय, लेखन सामग्री व्यय, भवनों का किराया आदि को उ0प्र0 पावर कारपोरेशन लि0 की लेखा पुस्तकों में ही दर्शाया जाए। अग्रतर लीगल व्यय, कन्सल्टेन्सी, तकनीकी व प्रोफेशनल व्ययों के मद में प्रदर्शित राशि, जो कि पा0का0लि0 से सम्बन्धित है, को भी पा0का0लि0 की लेखा पुस्तकों में दर्शाया जाए।

- (ठ) उपरोक्त के अतिरिक्त पूर्व में अन्तरित हो रहे व्ययों के सम्बन्ध में प्रचलित व्यवस्था यथावत् रहेगी।
2. वित्तीय वर्ष 2019-20 के लेखों में पूर्वावधि से सम्बन्धित व्ययों का लेखांकन किये जाने की दशा में उन व्ययों को भी उपरोक्तानुसार भारित व अन्तरित किया जाये।
 3. उपरोक्त व्ययों का प्रोद्भूत आधार (Accrual basis) पर लेखांकन, जबतक की लेखीय नीति में पृथक रूप से उल्लेख न हो, सुनिश्चित करते हुये व्ययों के भारण व अन्तरण की कार्यवाही की जाये।

4. व्यय को भारित कर अन्तरित किये जाने के समय/सम्बन्ध में यदि किसी संशोधन की आवश्यकता उत्पन्न होती है तो तदनुसार निर्णय लेते हुये अग्रिम दिशा-निर्देश निदेशक (वित्त), उ०प्र०पा०का०लि० द्वारा निर्गत किये जायेंगे।
 5. उपरोक्त बिन्दुओं में व्यय के भारण हेतु विद्युत वितरण कम्पनियों को बिक्रीत ऊर्जा की मात्रा (एम०यू०), कर्मचारियों की संख्या, कम्पनियों में रिक्त पदों की संख्या, ट्रस्ट को अंशदान तथा कम्पनियों द्वारा भवनों में अध्यासित क्षेत्र आदि आधारों हेतु चालू वर्ष के ठीक पूर्व वर्ष के आंकड़े/सूचनायें प्रयोग में ली जायगी, उदाहरणार्थ वित्तीय वर्ष 2019-20 के व्ययों के भारण हेतु वित्तीय वर्ष 2018-19 के आंकड़े/सूचनायें आगणन का आधार होंगी।
 6. उपरोक्तानुसार कार्यवाही कराये जाने हेतु लेखा स्कन्ध द्वारा आवश्यक लेखांकन प्रक्रिया निर्गत की जायगी।
 7. उपरोक्त व्ययों के भारण एवं अन्तरण पर नियमानुसार लागू/देय जी०एस०टी० को सम्बन्धित अन्तरिती कम्पनी/कारपोरेशन द्वारा वहन किया जाएगा तथा नियमानुसार स्रोत पर आयकर कटौती की जायगी, इसके अतिरिक्त यदि किसी प्रकरण में विधिक कसों से सम्बन्धित देयता बनती है तो उसे भी अन्तरिती कम्पनी/कारपोरेशन द्वारा वहन किया जाएगा। जी०एस०टी०, आयकर आदि के सम्बन्ध में आवश्यकतानुसार प्रक्रिया कारपोरेट टैक्स, उ०प्र० पावर कारपोरेशन लि० द्वारा जारी की जायेगी तथा प्रक्रिया के अनुपालन में आने वाले किसी भी कठिनाई के समाधान हेतु प्रकरण कारपोरेट टैक्स को सन्दर्भित किये जायेंगे।
- उपरोक्त व्यवस्था वित्तीय वर्ष 2019-2020 से प्रभावी होगी।

प्रबन्ध निदेशक

पत्रांक:- 743-कार्य/चौदह-पाकालि/2020-24-के/2020/लेखा स्कन्ध तददिनांक

- प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-
1. अध्यक्ष के निजी सचिव, उ०प्र० पावर कारपोरेशन लि०, शक्ति भवन, लखनऊ।
 2. प्रबन्ध निदेशक, उ०प्र० पावर ट्रांसमिशन कारपोरेशन लि०/उ०प्र० राज्य विद्युत उत्पादन निगम लि०/उ०प्र० जल विद्युत निगम लि०, शक्ति भवन, लखनऊ।
 3. प्रबन्ध निदेशक, मध्यांचल/पूर्वांचल/पश्चिमांचल/दक्षिणांचल विद्युत वितरण निगम लि०/केरको, लखनऊ/वाराणसी/मेरठ/आगरा/कानपुर।
 4. निदेशक(वाणिज्य)/कारपोरेट प्लानिंग/(वितरण)/(वित्त)/(का०प्र० एवं प्रशा०), उ०प्र० पावर कारपोरेशन लि०, शक्ति भवन, लखनऊ।
 5. निदेशक(वित्त), मध्यांचल/पूर्वांचल/पश्चिमांचल/दक्षिणांचल विद्युत वितरण निगम लि०, लखनऊ/वाराणसी/मेरठ/आगरा।
 6. अधिशासी निदेशक (वित्त एवं लेखा), उ०प्र० पावर कारपोरेशन लि०, शक्ति भवन, लखनऊ।
 7. मुख्य महाप्रबन्धक (लेखा एवं सम्प्रेक्षा), उ०प्र० पावर कारपोरेशन लि०, शक्ति भवन, लखनऊ।
 8. समस्त अपर सचिव/संयुक्त सचिव/उप सचिव/अनु सचिव, कारपोरेशन मुख्यालय, शक्ति भवन, लखनऊ।
 9. मुख्य अभियन्ता (वाणिज्य एवं ऊर्जा) लेखा/पी०पी०ए०/कम्प्यूटराइजेशन इकाई/जल विद्युत/आर०ए०यू०/पी०एम०यू०), उ०प्र० पावर कारपोरेशन लि०, शक्ति भवन, लखनऊ।
 10. महानिदेशक (प्रशि० एवं मा०सं०वि०), उ०प्र० पावर कारपोरेशन लि०, सरोजनी नगर, लखनऊ।
 11. पुलिस उपमहानिरीक्षक, कार्यालय पुलिस महानिदेशक(सतर्कता), शक्ति भवन विस्तार, (12वां तल) लखनऊ।
 12. कम्पनी सचिव, उ०प्र० पावर कारपोरेशन लि०, शक्ति भवन, लखनऊ।
 13. पुलिस अधीक्षक, उ०प्र० सतर्कता अधिष्ठान(विद्युत कोष्ठ) डालीबाग, लखनऊ।
 14. उप महाप्रबन्धक (निधि प्रबन्ध/लेखा/सम्प्रेक्षा), उ०प्र० पावर कारपोरेशन लि०, शक्ति भवन, लखनऊ।
 15. उप महाप्रबन्धक (लेखा), परिक्षेत्रीय लेखा कार्यालय (सामग्री प्रबन्ध), उ०प्र० पावर कारपोरेशन लि०, लखनऊ।
 16. उप महाप्रबन्धक (वित्त एवं लेखा), केस्को, कानपुर।
 17. सचिव(ट्रस्ट), उ०प्र० स्टेट पावर सेक्टर इम्पलइज ट्रस्ट, शक्ति भवन, लखनऊ।
 18. अधीक्षण अभियन्ता, आयात-निर्यात एवं भुगतान मण्डल, उ०प्र० पावर कारपोरेशन लि०, शक्ति भवन, लखनऊ।
 19. अधिशासी अभियन्ता, स्टेट डेजिगनेटिड एजेन्सी, शक्ति भवन, लखनऊ।
 20. समस्त आहरण वितरण अधिकारी, उ०प्र० पावर कारपोरेशन लि०।
 21. लेखाधिकारी/सहा०लेखाधिकारी (मुख्यालय भुगतान/केन्द्रीय भुगतान प्रकोष्ठ/पी०एम०यू०), उ०प्र० पावर कारपोरेशन लि०, शक्ति भवन, लखनऊ।

आर.के. गुप्ता
(आर०के० गुप्ता)
संयुक्त सचिव (कार्य)

उ०प्र० पावर कारपोरेशन लि०

लो०को०	इकाई का नाम
300	परिक्षेत्रीय लेखा कार्यालय (सा०प्र०) से सम्बद्ध इकाईयां
325	विद्युत भण्डार क्रय मण्डल-तृतीय (ए०पी०डी०आर०पी०), लखनऊ
327	विद्युत भण्डार क्रय मण्डल-प्रथम, महानगर, लखनऊ
335	परिक्षेत्रीय लेखा कार्यालय (सामग्री प्रबन्ध), लखनऊ
330	परिक्षेत्रीय लेखा कार्यालय (सा०प्र०) से सम्बद्ध विद्युत बल्क क्रय-विक्रय से सम्बन्धित इकाई
240	विद्युत आयात, निर्यात एवं भुगतान मण्डल, शक्ति भवन विस्तार, लखनऊ
640	परिक्षेत्रीय लेखा कार्यालय (सा०प्र०) से सम्बद्ध विविध जानपदीय इकाईयां
641	विद्युत जानपद इकाई, शक्ति भवन, लखनऊ
645	विद्युत जानपद निर्माण खण्ड (प्रथम), पा०का०लि०, अलीगंज, लखनऊ
646	अनुरक्षण इकाई, उ०प्र०पा०का०लि०, शक्ति भवन, लखनऊ
647	विद्युत एवं यांत्रिक इकाई (पेंशन सेल), शक्ति भवन, लखनऊ
970	परिक्षेत्रीय लेखा कार्यालय (सा०प्र०) से सम्बद्ध विविध इकाईयां
971	मुख्य अभियन्ता (जल विद्युत), शक्ति भवन, लखनऊ
972	कार्यालय पुलिस अधीक्षक (सतर्कता) (विद्युत कोष्ठ), डालीबाग, लखनऊ
973	विद्युत सेवा आयोग, गोमती नगर, लखनऊ
974	स्टेट डेजिगनेटेड एजेन्सी, शक्ति भवन, लखनऊ
982	विद्युत प्रशिक्षण संस्थान, सरोजनी नगर, लखनऊ
983	कार्यालय अपर पुलिस महानिदेशक (सतर्कता), शक्ति भवन, लखनऊ
	<u>मुख्यालय इकाईयां</u>
991	केन्द्रीय भुगतान (वित्त प्रबन्ध), शक्ति भवन, लखनऊ
992	मुख्यालय भुगतान इकाई, शक्ति भवन विस्तार, लखनऊ
994	पुर्नभुगतान एवं ब्याज भुगतान, शक्ति भवन, लखनऊ
998	प्रोजेक्ट मैनेजमेन्ट यूनिट, शक्ति भवन विस्तार, लखनऊ
396	केन्द्रीय भुगतान प्रकोष्ठ, शक्ति भवन विस्तार, लखनऊ

Annexure I-
Fresh Actuarial
Valuation
Study Report

As per IND AS 19

Gratuity Scheme

Purvanchal Vidyut Vitran Nigam Limited

Actuarial Valuation for the period April 01, 2019 to March 31, 2020


MITHRAS CONSULTANTS

Fellow Actuary Details

Sapna Malhotra

Fellow Member, Institute of Actuaries of India

Membership No. IAI- 3766

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Contact No.:- 09212375418

Date: December 24, 2020

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Section 1: Purpose and Scope of the Work Assigned

The primary objective of this valuation exercise is to provide Purvanchal Vidyut Vitran Nigam Limited (Hereinafter referred as "The Company") with an actuarial valuation of the gratuity benefit that is currently being provided for its employees in India, as at March 31, 2020, for financial year 2019-20.

I have been requested by the Company to calculate the accounting expenses associated with the Gratuity Plan for the period April 01, 2019 to March 31, 2020 in terms of Accounting Standard IND AS 19 issued by the Ministry of Corporate Affairs.

The results set out in this Report are based on requirements of IND AS 19 and its application to the Plan. They have been prepared for the specific requirements of IND AS 19 and should not be used for any other purpose. In particular this Report does not constitute a formal funding actuarial valuation of the Plan and does not present any recommendation of contributions or funding levels.

This Report is provided solely for the Company's use and for the specific purposes indicated above. Except where I expressly agree in writing, it should not be disclosed or provided to any third party, other than as provided below. In the absence of such consent and an express assumption of responsibility, no responsibility whatsoever is accepted by me for any consequences arising from any third party relying on this Report or any advice relating to its contents. The Company may make a copy of this Report available to its auditors, but I make no representation as to the suitability of this Report for any purpose other than that for which it was originally provided and accept no responsibility or liability to the Company's auditors in this regard. The Company should draw the provisions of this paragraph to the attention of its auditors when passing this Report to them.

Actuarial techniques have been adopted; taking into consideration the requirements under Accounting Standard IND AS 19 issued by The Ministry of Corporate Affairs and generally accepted actuarial principles.

All monetary amounts mentioned in this report are in Indian Rupee (INR), unless mentioned otherwise.

Section 2: Summary of Results

2.1 The below table shows the summary of key results for the period 01-04-2019 to 31-03-2020.

All Figures in INR	March 31, 2019	March 31, 2020
Fair Value of Plan Assets	0	0
Present value of obligation	466,949,452	673,917,805

2.2 Balance Sheet Position as on valuation date

All Figures in INR	March 31, 2019	March 31, 2020
Net asset/(liability) recognised in balance sheet	(466,949,452)	(673,917,805)

2.3 Expense Recognised in Profit and Loss Account

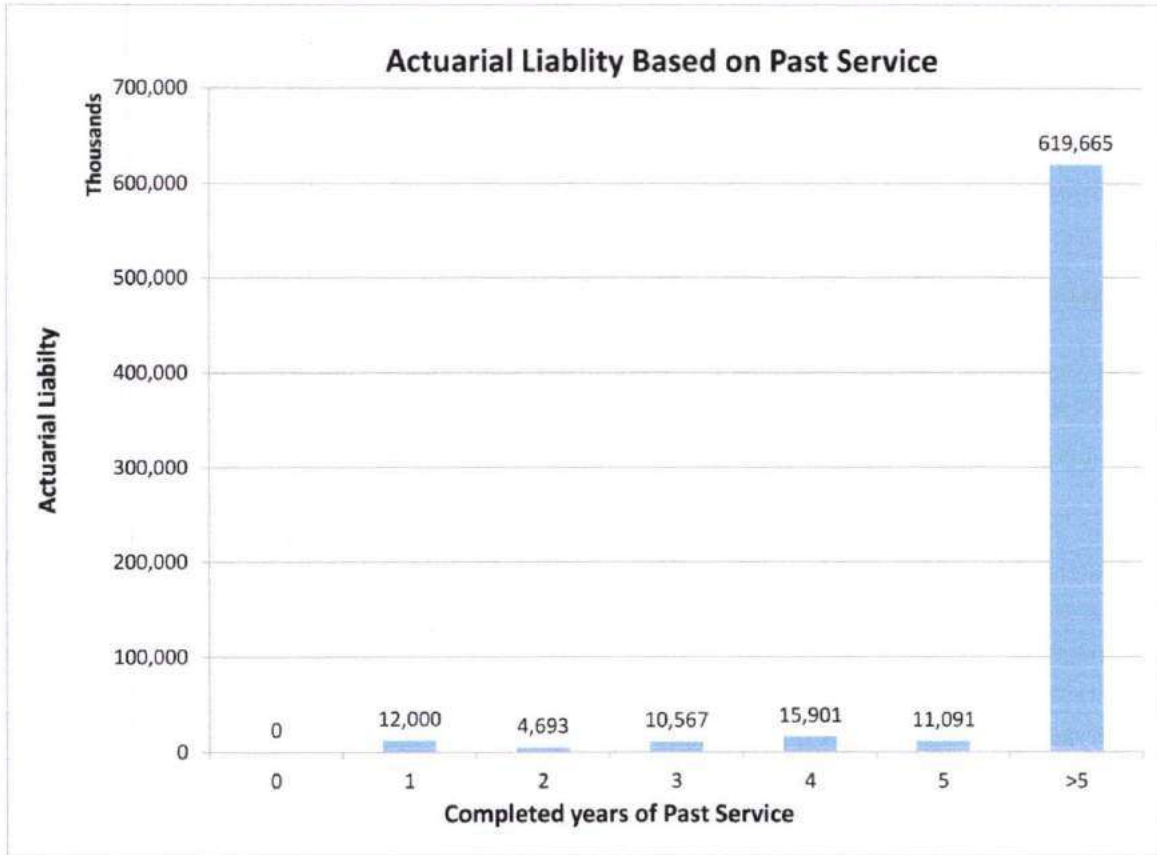
All Figures in INR	March 31, 2019	March 31, 2020
Total Employer Expense	75,854,976	109,168,285

2.4 Bifurcation of Present Value of Obligation at the end of the year

All Figures in INR	March 31, 2019	March 31, 2020
Current Liability	22,721,888	20,716,940
Non-Current Liability	444,227,564	653,200,865
Total Liability	466,949,452	673,917,805

2.5 Enterprise best estimate of contribution during next year is INR 121,438,447.

2.6 Actuarial Liability based on past service



Section 3: Data

In preparing this report we have relied on the completeness and accuracy of the information provided to us orally and in writing by or on behalf of the Company and its advisers. We have not completed any detailed validation checks on the information provided. We have, however, carried out broad consistency and validation checks. The Company is solely responsible for validity, accuracy and completeness of the data and information provided. The valuation results may differ significantly from the results that would have been obtained in case there is change in input data by the client.

3.1 Membership Data

The calculations have been based on the membership information for the Plan as at March 31, 2020 as supplied by the Company.

Following is the summary of employees profile data as on valuation date:

Item	March 31, 2019	March 31, 2020
Total Number of Employees	5,185	6,577
Total Monthly Salary (in 000's) (Basic + D.A)	205,933	277,956
Average Monthly Salary (absolute)	39,717	42,262
Average Age (Age last Birthday) (in Years)	35.96	34.74
Average past service (in Years)	7.79	7.19
Average future service (in Years)	24.05	25.26

We have assumed that Salary provided by the Company includes only basic + D.A.

3.2 Asset Data

There were no plan assets set up by the company. Hence we have taken zero value in this report.

All Figures in INR	March 31, 2019	March 31, 2020
Opening fair value of Plan Assets	0	0
Actual Return on plan assets	0	0
Employer Contributions	83,529,970	89,087,271
Benefit Paid	(83,529,970)	(89,087,271)
Closing fair value of Plan Assets	0	0

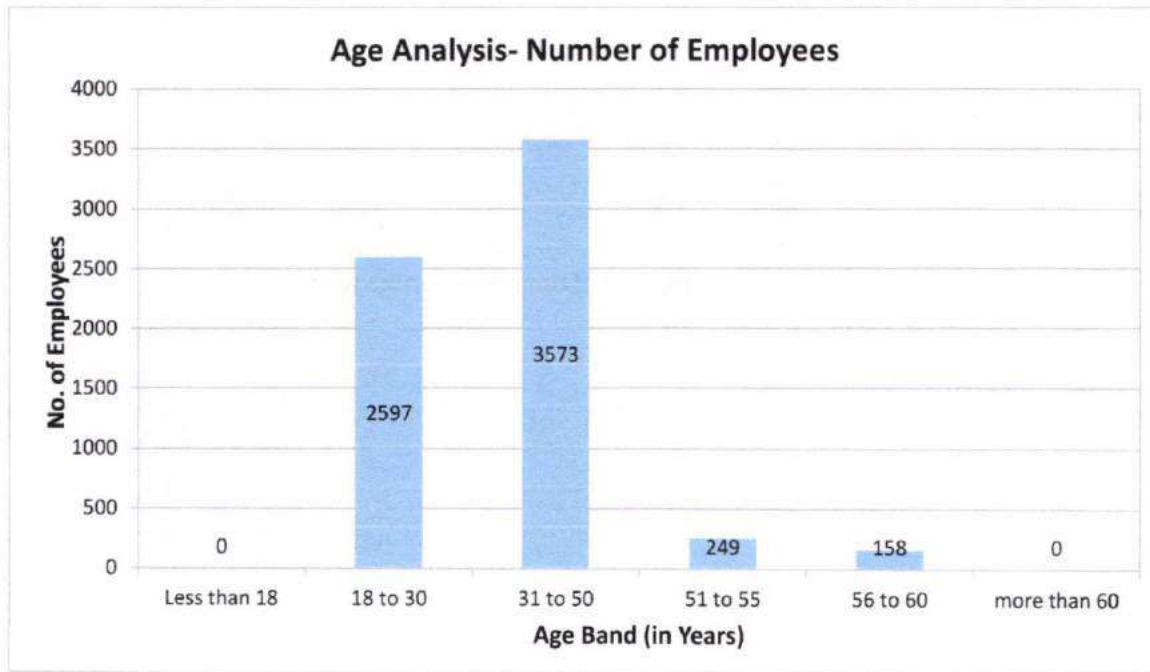
Note: Benefit paid is equal to employer's contribution because benefit is directly paid by the company.

3.3 We have broadly performed the following consistency and validation checks:

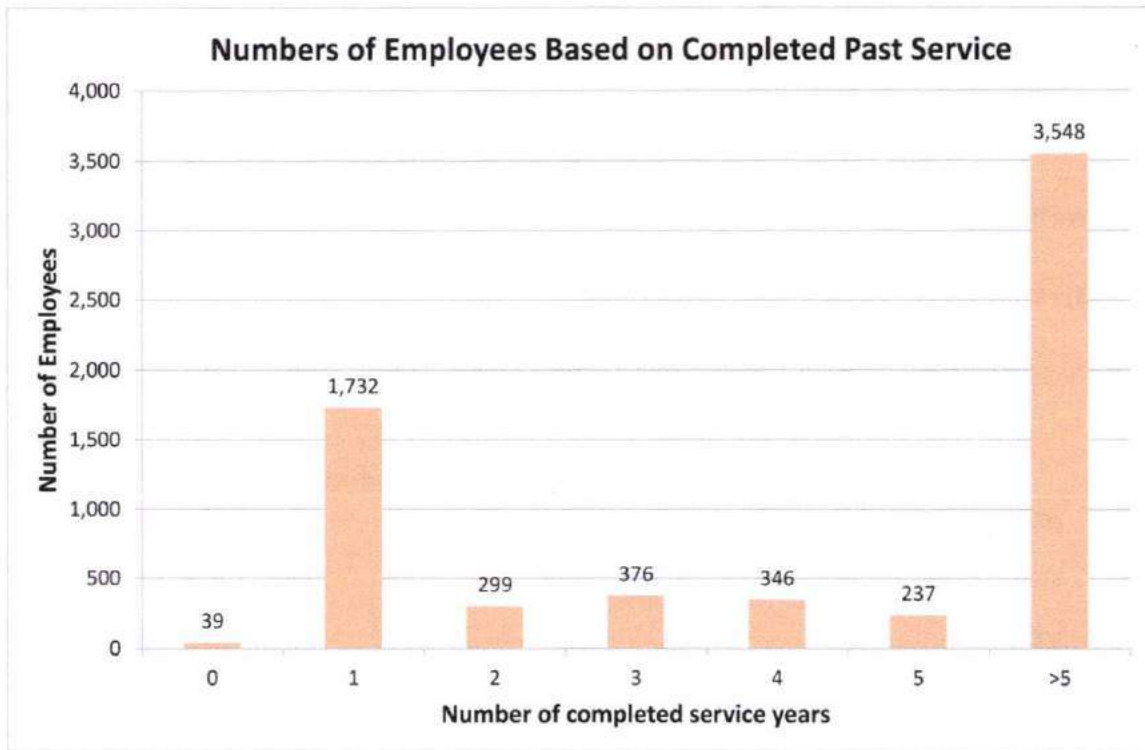
- Data missing that is any blank field in the data
- The age last birthday is not less than 18 years at the valuation date
- Date of joining is less than valuation date
- Salaries are not negative or zero
- Age as at valuation date should not be more than the retirement age

3.4 We have also conducted the following analysis on the data:**3.4(a) : Number of Employees in various age bands**

The following chart represents employee's age profile of the Company:



3.4(b) : Number of Employees based on completed past service



Section 4: Assumptions

To prepare an actuarial valuation, assumptions are used in a forward looking financial and demographic model to present a single scenario from a wide range of possibilities. The future is uncertain and the plan's actual experience will differ from assumptions; these differences may be significant or material because actuarial estimates can be very sensitive to the assumptions made and, in some cases, to the interactions between the assumptions.

Different assumptions or scenarios within the range of possibilities may also be reasonable and results based on alternative assumptions would be different. As a result of the uncertainty inherent in a forward looking projection in a very long period of time, no one projection is uniquely "correct" and many alternative projections of the future could also be regarded as reasonable. Two different actuaries could, quite reasonably, arrive at different results based on the same data and different views of future. A "sensitivity analysis" shows the degree to which result would be different if alternative assumptions are used for the actuarial estimates.

Assumptions may also be changed from one valuation to the next because of changes in mandated requirement, plan experience, changes in expectation about future and other factors. A change in assumptions is not an indication that prior assumptions were unreasonable when made.

4.1 The assumptions and methodology used in compiling this Report are consistent with the requirements of IND AS 19.

4.2 Economic assumptions include:

- Discount Rate
- Salary Inflation rate
- Expected return on plan assets

4.3 Demographic assumptions include:

- Retirement Age
- Mortality
- Withdrawal Rates
- There is no medical cost involved

Following are the major assumptions that have been used in carrying out the valuation:

Per Annum	Year 1	Year 2	Year 3	Year 4	Year 5	Year 5+
Discount Rate	6.88%	6.88%	6.88%	6.88%	6.88%	6.88%
Salary Growth Rate	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Withdrawal Rate	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Mortality Rate	100% of IALM 2012-14					

Note: Due to insufficient data and experience, we have used 100% of industry mortality table IALM 2012-14 for this valuation.

There is no explicit assumptions for disability and no assumption for medical cost and its trends.

Major assumption that had been used in last valuation ending at March 31, 2019 are:

Discount Rate	7.77% per annum
Salary Growth Rate	3.00% for all years
Withdrawal Rate	0.50% for all years
Mortality Rate	100% of IALM 2006-08

Note: Due to insufficient data and experience, we have used 100% of industry mortality table IALM 2006-08 for this valuation.

4.4 The requirements relating to the major valuation assumptions were made clear as per IND AS 19 and same have been used as provided by the employer. It should be noted that I have not performed any validation checks for the appropriateness and adequacy of the assumptions. The broader professional and accounting standard guidance are that Discount Rate should be based upon the market yields available on Government bonds at the accounting date with a term that matches that of the liabilities and the salary increase should take account inflation, seniority, promotion and other relevant factors.

4.5 The Duration of liability is calculated by scientific method called Macaulay duration. The Macaulay duration is the weighted average term to maturity of the cash flows from a bond. The weight of each cash flow is determined by dividing the present value of the cash flow by the price. The duration of the liabilities is approximately 15 years.

4.6 The discount rate as at 31 March 2020 is based on 15 years government bond yields as at 31 March 2020.

4.7 The results are particularly sensitive to some assumptions, such as the Discount Rate, inflation e.g. level of salary increases and mortality. A decrease in the Discount Rate assumed or an increase in salary inflation will lead to an increase in reported cost.

Section 5: Methodology

An actuarial estimation is only a snapshot of a plan's estimated financial condition at a particular point in time; it does not provide the plan's future financial condition or its ability to pay benefit in the future and does not provide any guarantee of future financial soundness of the plan. Over time, a plan's total cost will depend on a number of factors, including the amount of benefit plan pays, the number of people paid benefits, the period of time over which benefits are paid, plan expenses and the amount earned on any assets invested to pay benefits. These amounts and other variables are uncertain and unknowable at the valuation date.

Because modeling all aspects of a situation is not possible or practical, we may use summary information, estimates, or simplifications of estimates to facilitate the modeling future events in an efficient and cost-effective manner. We may also include factor or data that, if used, in our judgment, would not have significantly affected our results. Use of such simplifying techniques does not, in our judgment, affect the reasonableness of valuation results for the plan.

Valuations do not affect the ultimate cost of the plan, only the timing when benefits costs are recognized. Cost recognitions occur over time. If the costs recognized over the period of years are lower or higher than necessary, for whatever reason, normal and expected practice is to adjust future levels to recognize the entire cost of the plan over time.

5.1 The valuation has been carried out using the Projected Unit Credit (PUC) actuarial method to assess the Plan's liabilities, including those related to death-in-service and incapacity benefits.

Under the PUC method a "projected accrued benefit" is calculated at the beginning of the year and again at the end of the year for each benefit that will accrue for all active members of the Plan. The "projected accrued benefit" is based on the Plan's accrual formula and upon service as of the beginning or end of the year, but using a member's final compensation, projected to the age at which the employee is assumed to leave active service. The Plan Liability is the actuarial present value of the "projected accrued benefits" as of the beginning of the year for active members.

Recognition of re-measurement items

The disclosures in this report have been prepared using the immediate recognition approach of recognising all re-measurement items occurring during the year in the other comprehensive income (OCI).

Re-measurements arising from defined benefit plans comprise actuarial gains and losses on benefit obligations, the return on plan assets in excess of what has been estimated and the effect of asset ceiling, if any, in case of over funded plans. The company recognises these items of re-measurements immediately in other comprehensive income and all the other expenses related to defined benefit plans in employee benefit expenses in profit and loss account.

Section 6: Provisions

6.1 The benefits payable under this plan are governed by "Gratuity Act 1972"

6.2 We give below a summary of the principal rules of the Plan;

Type of Plan	Defined Benefit
Employer's Contribution	100%
Employee's Contribution	0%
Salary for calculation of gratuity	Last Drawn Basic + D.A
Benefits on Normal Retirement	$15/26 * \text{Salary} * \text{No. of years of completed service}$
Benefit on early exit due to early retirement/withdrawal/resignation	Same as normal retirement benefit upto the date of exit
Benefit on death in service	Same as normal retirement benefit except that no vesting condition apply
Maximum Limit (Capped/Uncapped)	INR 20 Lakhs
Minimum Service Condition (in Years) (Vesting Period)	5 Years
Normal Retirement Age (in Years)	60 Years, One year is added to the current age and considered as retirement age, if current age is more than retirement age.

Note: The principal rules of the plan regarding the payment of gratuity benefits to the employees have not changed over the previous valuation period.

6.3 We have made full actuarial valuations based on member data and plan information provided by the Company as at Valuation date.

6.4 The definitions of various terms used in the Report are given in the last section.

6.5 The full results of our calculations are set out in Disclosure Tables in Section 9.

6.6 We would be pleased to discuss this report with you.

Section 7: Characteristics of Defined Benefit Plan

7.1 The Nature of benefits provided by the plan

This plan provides a lump sum benefit based on the past service and salary at the time of leaving the plan.

The benefit formula is as per the Gratuity Act 1972:

$15/26 * \text{Past Service} * \text{Current Salary}$

In case Plan Provision offers Capped Gratuity, maximum benefit payable is INR 20,00,000.

If the Plan Provision offers Uncapped Gratuity, maximum benefit payable is actual benefit as per above formula.

Under this Plan, Capped Gratuity is payable to all the employees.

7.2 Regulatory Framework in which Plan operates

This Plan is Governed by the "Gratuity Act 1972" issued by Ministry of Labour Laws.

The accounting standard governing the provisioning of this plan in the books of accounts is IND AS 19 issued by the Ministry of Corporate Affairs.

The actuarial valuation of this Plan has been done as per the actuarial principles as mentioned in the Actuarial Practice Standard APS15 issued by the "Institute of Actuaries of India".

Currently there are no minimum funding requirements in India.

7.3 Responsibilities for the governance of the Plan

The responsibility for the governance of this Plan lies with the Trustees, Board Members, or Employer who is managing the Plan. We have no responsibility of how the Plan is managed, liabilities are funded, data is stored, assumptions are set and benefits are paid to the employees.

7.4 Any expected changes in rules and regulations.

We do not anticipate any changes in the regulations are in near future.

Section 8: Risks associated with Defined Benefit Plan

Where there is a delay in benefit being promised and benefit being provided, there will always be some uncertainty for the benefit provider and the benefit recipient.

Benefit Risks in Defined Benefit Schemes

1 Risk to the beneficiary

The greatest risk to the beneficiary is that there are insufficient funds available to provide the promised benefits. This may be due to:

- The insufficient funds set aside, i.e. underfunding
- The insolvency of the Employer
- The holding of investments which are not matched to the liabilities
- Or a combination of these events

2 Parameter risk

Actuarial valuation is done basis some assumptions like salary inflation, discount rate and withdrawal assumptions. In case the actual experience varies from the assumptions, fund may be insufficient to pay off the liabilities.

For example: the plan's liability is calculated with salary inflation assumption of 5% per annum. However, Company's' actual practice is to provide increment of 10% per annum. This will result into underfunding.

Similarly, reduction in discount rate in subsequent future years can increase the plan's liability.

Further, actual withdrawals may be lower or higher than what was assumed in the valuation, may also impact the plan's liability.

3 Risk of illiquid Assets

Another risk is that the funds, although sufficient, are not available when they are required to finance the benefits. This may be due to assets being locked for longer period or in illiquid assets.

4 Risk of Benefit Change

There may be a risk that the benefit promised is changed or is changeable within the terms of the contract. For example regulator may increase the benefits payable under defined benefit plans.

5 Asset liability mismatching risk

ALM risk arises due to a mismatch between assets and liabilities either due to liquidity or changes in interest rates or due to different duration.

For example: The liability duration is 10 years. While assets are locked in 5-year g-sec securities. After 5 years, there is huge reinvestment risk to invest maturity proceeds of assets due to uncertainty about the market prevailing yields at that time.

Section 9: Disclosure Format

This section provides the Report under IND AS 19 in respect of Gratuity Plan.

Table I: Assumptions

Assumptions	March 31, 2019	March 31, 2020
Discount Rate	7.77% per annum	6.88% per annum
Rate of increase in Compensation levels	3.00% per annum	3.00% per annum
Rate of Return on Plan Assets	Not Applicable	Not Applicable
Average future service (in Years)	24.05 Years	25.26 Years

Table II: Service Cost

All Figures in INR	March 31, 2019	March 31, 2020
Current Service Cost	45,906,465	72,886,313
Past Service Cost (including curtailment Gains/Losses)	0	0
Gains or losses on Non Routine settlements	0	0
Total	45,906,465	72,886,313

Table III: Net Interest Cost

All Figures in INR	March 31, 2019	March 31, 2020
Interest Cost on Defined Benefit Obligation	29,948,511	36,281,972
Interest Income on Plan Assets	0	0
Net Interest Cost (Income)	29,948,511	36,281,972

Table IV: Change in Present Value of Obligations

All Figures in INR	March 31, 2019	March 31, 2020
Opening of defined benefit obligations	379,575,547	466,949,452
Service cost	45,906,465	72,886,313
Interest Cost	29,948,511	36,281,972
Benefit Paid	(83,529,970)	(89,087,271)
Actuarial (Gain)/Loss on total liabilities:	95,048,899	186,887,339
- due to change in financial assumptions	7,397,706	79,025,463
- due to change in demographic assumptions	0	0
- due to experience variance	87,651,192	107,861,876
Closing of defined benefit obligation	466,949,452	673,917,805

Table V: Change in Fair Value of Plan Assets

All Figures in INR	March 31, 2019	March 31, 2020
Opening fair value of plan assets	0	0
Actual Return on Plan Assets	0	0
Employer Contribution	83,529,970	89,087,271
Benefit Paid	(83,529,970)	(89,087,271)
Closing fair value of plan assets	0	0

Table VI: Actuarial (Gain)/Loss on Plan Asset

All Figures in INR	March 31, 2019	March 31, 2020
Expected Interest Income	0	0
Actual Income on Plan Asset	0	0
Actuarial gain /(loss) on Assets	0	0

Table VII: Other Comprehensive Income

All Figures in INR	March 31, 2019	March 31, 2020
Opening amount recognized in OCI outside P&L account	0	0
Actuarial gain / (loss) on liabilities	(95,048,899)	(186,887,339)
Actuarial gain / (loss) on assets	0	0
Closing amount recognized in OCI outside P&L account	(95,048,899)	(186,887,339)

Table VIII: The amount to be recognized in Balance Sheet Statement

All Figures in INR	March 31, 2019	March 31, 2020
Present Value of Obligations	466,949,452	673,917,805
Fair value of plan assets	0	0
Net Obligations	466,949,452	673,917,805
Amount not recognized due to asset limit	0	0
Net defined benefit liability / (assets) recognized in balance sheet	466,949,452	673,917,805

Table IX: Expense Recognized in Statement of Profit and Loss

All Figures in INR	March 31, 2019	March 31, 2020
Service cost	45,906,465	72,886,313
Net Interest Cost	29,948,511	36,281,972
Expenses Recognized in the statement of Profit & Loss	75,854,976	109,168,285

Table X: Major categories of plan assets (as percentage of total plan assets)

Item	March 31, 2019	March 31, 2020
Government of India Securities	0%	0%
State Government Securities	0%	0%
High Quality Corporate Bonds	0%	0%
Equity Shares of Listed Companies	0%	0%
Property	0%	0%
Special Deposit Scheme	0%	0%
Fund Managed by Insurer	0%	0%
Bank Balance	0%	0%
Other Investments	0%	0%
Total	0%	0%

Table XI: Change in Net Defined Obligations

All Figures in INR	March 31, 2019	March 31, 2020
Opening of Net defined benefit liability	379,575,547	466,949,452
Service cost	45,906,465	72,886,313
Net Interest Cost	29,948,511	36,281,972
Re-measurements	95,048,899	186,887,339
Contribution paid to fund	(83,529,970)	(89,087,271)
Closing of Net defined benefit liability	466,949,452	673,917,805

Section 10: Reconciliation of Expense in Profit and Loss Statement

All Figures in INR	March 31, 2019	March 31, 2020
Present Value of Obligation as at the end of the year	466,949,452	673,917,805
Present Value of Obligation as at the beginning of the year	(379,575,547)	(466,949,452)
Benefit Paid	83,529,970	89,087,271
Actual Return on Assets	0	0
OCI	(95,048,899)	(186,887,339)
Expenses Recognised in the Statement of Profit and Loss	75,854,976	109,168,285

Note: The expense amount mentioned in Table IX of Section 9 reconciled with Zero difference.

Section 11: Reconciliation of Liability in Balance Sheet

All Figures in INR	March 31, 2019	March 31, 2020
Opening net defined benefit liability / (asset)	379,575,547	466,949,452
Expense charged to profit and loss account	75,854,976	109,168,285
Amount recognized outside profit & loss account	0	0
Employer Contributions	(83,529,970)	(89,087,271)
OCI	95,048,899	186,887,339
Closing net defined benefit liability / (asset)	466,949,452	673,917,805

Note: The closing net liability amount mentioned in Table XI of Section 9 reconciled with Zero difference.

The following material developments in the inter-investigation period have led to a significant variation in the liability.

- There has been a significant increase in the number of employees.
- The average salary over the period has increased.

Section 12: Sensitivity Analysis

Following table shows the sensitivity results on liability due to change in the assumptions:

Item	March 31, 2020	Impact (Absolute)	Impact %
Base Liability	673,917,805		
Increase Discount Rate by 0.50%	627,828,013	(46,089,792)	-6.84%
Decrease Discount Rate by 0.50%	724,844,841	50,927,036	7.56%
Increase Salary Inflation by 1.00%	784,067,375	110,149,570	16.34%
Decrease Salary Inflation by 1.00%	582,510,097	(91,407,708)	-13.56%
Increase Withdrawal Rate by 0.50%	699,881,632	25,963,827	3.85%
Decrease Withdrawal Rate by 0.50%	646,019,528	(27,898,277)	-4.14%

Note:

- The base liability is calculated at discount rate of 6.88% per annum and salary inflation rate of 3.00% per annum for all future years.
- Liabilities are very sensitive to salary escalation rate, discount rate & withdrawal rate.
- Liabilities are very less sensitive due to change in mortality assumptions. Hence, sensitivities due to change in mortality are ignored.

Section 13: Maturity Profile of Defined Benefit Obligation (Valued on undiscounted basis)

All Figures in INR	March 31, 2019	March 31, 2020
Year 1	22,721,888	21,540,587
Year 2	8,380,662	9,215,060
Year 3	20,226,320	28,326,739
Year 4	25,967,212	25,442,724
Year 5	22,550,388	26,332,011
After 5th Year	1,608,201,185	2,106,409,834
Total	1,708,047,654	2,217,266,955

Section 14: Comparison with last years' figures

All Figures in INR	Impact (Absolute)	Impact %	Variation
Fair Value of Plan Assets	0	0	NA
Present value of obligation	466,949,452	673,917,805	44.3%
Net asset/(liability) recognised in balance sheet	(466,949,452)	(673,917,805)	44.3%
OCI	(95,048,899)	(186,887,339)	96.6%
Expense to be recognized in the Profit and loss statement	75,854,976	109,168,285	43.9%

Annexure - I : Zone Wise Breakup for Employees

Following tables shows the number of employees in the respective Units and Zones:

Zones	Name of the Units	March 31, 2019	March 31, 2020
Prayagraj	Chief Office (D)	11	28
Prayagraj	EDC PRATAPGARH	7	8
Prayagraj	EDD Khaga	46	51
Prayagraj	EDD-I, FATEHPUR.	46	82
Prayagraj	EUDD RAMBAGH	55	57
Prayagraj	ECD(D) Prayag.	10	10
Prayagraj	EDC Fatehpur	8	11
Prayagraj	EDC Kaushambi	6	6
Prayagraj	EDC-I Prayagraj	9	9
Prayagraj	EDC-II, PRAYAGRAJ	5	6
Prayagraj	EDD Handia	30	55
Prayagraj	EDD II FATEHPUR	57	82
Prayagraj	EDD Kaushambi	34	49
Prayagraj	EDD Lalganj Pratap.	29	36
Prayagraj	EDD MEJA	33	53
Prayagraj	EDD PHAPHAMAU	34	46
Prayagraj	EDD Raniganj Pra.	28	34
Prayagraj	EDD. CHAYAL	35	48
Prayagraj	EDD-I PRATAPGARH	49	53
Prayagraj	EDD-I Prayagraj	59	90
Prayagraj	EDD-II PRATAPGARH	41	53
Prayagraj	EDD-II Prayagraj	38	65
Prayagraj	ESD Prayagraj	19	22
Prayagraj	ESWD Prayag.	8	8
Prayagraj	ETD Fatehpur	11	10
Prayagraj	ETD -I Prayagraj	16	19
Prayagraj	ETD -II Prayagraj	13	20
Prayagraj	ETD KAUSHAMBI	6	9
Prayagraj	ETD Pratapgarh	15	19
Prayagraj	EUCD-I, Prayagraj	8	9
Prayagraj	EUCD-II Prayag.	8	6
Prayagraj	EUDC-I, Prayagraj	5	8
Prayagraj	EUDC-II, Prayagraj	3	5
Prayagraj	EUDD BAMRAULI	44	41
Prayagraj	EUDD KALYANIDEVI	39	37

Zones	Name of the Units	March 31, 2019	March 31, 2020
Prayagraj	EUDD KARELABAGH	27	28
Prayagraj	EUDD MAYOHALL	67	69
Prayagraj	EUDD NAINI	40	40
Prayagraj	EUDD-TT Prayagraj	61	62
Prayagraj	EUTD-I PRAYAGRAJ	21	23
Prayagraj	EUTD-II PRAYAGRAJ	11	17
Prayagraj	EWD Prayagraj	19	21
Prayagraj	ZAO(D), Prayag.	6	5
Prayagraj	Temp Kumbh Mela	30	NP
Prayagraj	Total	1147	1410

Zones	Name of the Units	March 31, 2019	March 31, 2020
Mirzapur	Chief Engineer (D) Mirzapur Zone.	1	12
Mirzapur	E.T.D. Robertsganj	NA	27
Mirzapur	EDC -MIRZAPUR	12	6
Mirzapur	EDC -Sonebhadra	5	5
Mirzapur	EDC-BHADOHI	NA	5
Mirzapur	EDD PIPRI	92	117
Mirzapur	EDD Robertsganj	77	99
Mirzapur	EDD-1 BHADOHI	56	63
Mirzapur	EDD-CHUNAR	54	64
Mirzapur	EDD-I -MIRZAPUR	51	67
Mirzapur	EDD-II BHADOHI (Gopiganj)	42	64
Mirzapur	EDD-II MIRZAPUR	79	96
Mirzapur	Electricity Secondary Works Division, MZP	3	6
Mirzapur	ELECTRICITY STORE DIVISION, MIRZAPUR	10	8
Mirzapur	ELECTRICITY TEST DIVISION-MIRZAPUR	22	25
Mirzapur	Electricity Work Circle, Mirzapur	4	3
Mirzapur	Electricity Workshop Division, Mirzapur	13	12
Mirzapur	ETD-Bhadohi	11	22
Mirzapur	ZONAL ACCOUNT OFFICE-MIRZAPUR	1	4
Mirzapur	ETD, SONBHADRA	26	NP
Mirzapur	Total	559	705

Zones	Name of the Units	March 31, 2019	March 31, 2020
Gorakhpur	E.D.C.-II, Gorakhpur	6	7
Gorakhpur	EDD-Nichlaul	17	36
Gorakhpur	EUDD-III, GKP	16	32
Gorakhpur	BARHAZ	13	30
Gorakhpur	CE(D),Gkp	3	21
Gorakhpur	E.D.C.-I, Gorakhpur	7	8
Gorakhpur	ECD(D), Mohaddipur Gorakhpur	7	8
Gorakhpur	EDC Deoria	11	9
Gorakhpur	EDC KUSHINAGAR	1	5
Gorakhpur	EDC, MAHARAJGANJ	NA	3
Gorakhpur	EDD CAMPIERGANJ	18	41
Gorakhpur	EDD DEORIA	69	70
Gorakhpur	EDD GAURIBAZAR	36	60
Gorakhpur	EDD HATA KUSHINAGAR	25	41
Gorakhpur	EDD KAURIRAM	64	59
Gorakhpur	EDD NAUTANWA	NA	34
Gorakhpur	EDD PADRAUNA	41	43
Gorakhpur	EDD SALEMPUR	49	64
Gorakhpur	EDD Seorahi,Kushinagar	20	26
Gorakhpur	EDD- SIKRIGANJ	17	41
Gorakhpur	EDD, Chauri Chaura	46	65
Gorakhpur	EDD, KASIA KUSHINAGAR	30	47
Gorakhpur	EDD/HARRAIYA	NA	52
Gorakhpur	EDD-2 ANAND NAGAR	35	33
Gorakhpur	EDD-I MAHARAJGANJ	24	44
Gorakhpur	EDD-I,Gkp	67	69
Gorakhpur	EDD-II, GORAKHPUR	68	79
Gorakhpur	ESD, Gkp	21	20
Gorakhpur	ESWD, MOHADDIPUR, Gkp	9	8
Gorakhpur	ETD- MAHARAJGANJ	NA	7
Gorakhpur	ETD KUSHINAGAR	11	14
Gorakhpur	ETD-deoria	16	22
Gorakhpur	ETD-I,Gkp	20	22
Gorakhpur	ETD-II GORAKHPUR	13	18
Gorakhpur	EUDD,GORAKHPUR	10	11
Gorakhpur	EUDD-1, GORAKHPUR	73	76
Gorakhpur	EUDD-II Gkp	70	66
Gorakhpur	EUDD-IV Gorakhpur	38	41

Zones	Name of the Units	March 31, 2019	March 31, 2020
Gorakhpur	EUTD, Gkp	7	25
Gorakhpur	EWC, MOHADDIPUR, gkp	5	6
Gorakhpur	EWD,Gkp	13	12
Gorakhpur	ZAO, GKP	5	4
Gorakhpur	Total	1001	1379

Zones	Name of the Units	March 31, 2019	March 31, 2020
Varanasi	CE(D) Varanasi Zone	4	11
Varanasi	E Civil (D) Varanasi	9	11
Varanasi	EDC Chandauli	NA	4
Varanasi	EDC, Varanasi	12	10
Varanasi	EDC-I, Jaunpur	7	8
Varanasi	EDC-II Jaunpur	5	4
Varanasi	EDD Chiraigaon	35	43
Varanasi	EDD Sakaldiha	30	45
Varanasi	EDD Zamania	32	42
Varanasi	EDD, Machhalisahar	32	34
Varanasi	EDD, Shahganj	33	40
Varanasi	EDD-I, Chandauli	61	86
Varanasi	EDD-I, Ghazipur	92	98
Varanasi	EDD-I, Jaunpur	45	55
Varanasi	EDD-I, Varanasi	43	48
Varanasi	EDD-II Jaunpur	43	47
Varanasi	EDD-II, Ghazipur	61	79
Varanasi	EDD-II, Mughalsarai	32	32
Varanasi	EDD-II, Varanasi	82	91
Varanasi	EDD-III, Jaunpur	47	45
Varanasi	EDD-III, Saidpur	68	74
Varanasi	EDD-IV, Jaunpur	25	34
Varanasi	EPMCD Varanasi	8	9
Varanasi	ESD, Varanasi	13	17
Varanasi	ESWD Varanasi	13	10
Varanasi	ETD Varanasi	16	22
Varanasi	ETD, Chandauli	23	17
Varanasi	ETD, Ghazipur	14	27
Varanasi	ETD-I, Jaunpur	12	14
Varanasi	ETD-II, Jaunpur	15	22
Varanasi	EWD Varanasi	16	22
Varanasi	MD Office Varanasi	101	96
Varanasi	UECD-I Varanasi	12	12
Varanasi	UECD-II Varanasi	9	12
Varanasi	UEDD-I, Varanasi	31	31
Varanasi	UEDD-II, Varanasi	29	32
Varanasi	UEDD-III Varanasi	NA	33
Varanasi	UEDD-IV, Varanasi	53	49

Zones	Name of the Units	March 31, 2019	March 31, 2020
Varanasi	UEDD-V Varanasi	46	44
Varanasi	UEDD-VI Varanasi	39	39
Varanasi	UEDD-VII, Varanasi	20	34
Varanasi	UEDD-VIII Varanasi	28	29
Varanasi	UETD-I, Varanasi	12	12
Varanasi	UETD-II Varanasi	32	31
Varanasi	ZAO Varanasi	8	9
Varanasi	EUDD III VARANASI	29	NP
Varanasi	Total	1377	1564

Zones	Name of the Units	March 31, 2019	March 31, 2020
Azamgarh	EDC-I Azamgarh	NA	8
Azamgarh	Chief (D) Azamgarh	5	13
Azamgarh	E.S.W.D. AZAMGARH	5	6
Azamgarh	EDC-BALLIA	NA	26
Azamgarh	EDD-I Azamgarh	52	86
Azamgarh	EDD-I MAU	86	100
Azamgarh	EDD-I, Ballia	44	63
Azamgarh	EDD-II Azamgarh	38	66
Azamgarh	EDD-II ballia	39	51
Azamgarh	EDD-II MAU	59	82
Azamgarh	EDD-III Azamgarh	72	73
Azamgarh	EDD-III Ballia	43	32
Azamgarh	EDD-III Ghosi	NA	91
Azamgarh	EDD-IV Azamgarh	NA	55
Azamgarh	EDD-IV Ballia	20	52
Azamgarh	EDD-V Azamgarh	28	47
Azamgarh	EDD-VI Azamgarh	32	53
Azamgarh	ETD Mau	19	28
Azamgarh	ETD-I AZAMGARH	19	20
Azamgarh	ETD-II AZAMGARH	7	15
Azamgarh	EWC Azam	NA	2
Azamgarh	EWD Azamgarh	12	13
Azamgarh	ZAO Azamgarh	4	4
Azamgarh	EDD Phoolpur Azamgarh	14	NP
Azamgarh	EDD-3, MAU	78	NP
Azamgarh	ESD, AZAMGARH	14	NP
Azamgarh	ETD BALLIA	15	NP
Azamgarh	Total	705	986

Zones	Name of the Units	March 31, 2019	March 31, 2020
Basti	CE(D)/BASTI	11	14
Basti	EDC SIDDHARTHANAGAR	9	7
Basti	EDC, SANT KABIR NAGAR	NA	6
Basti	EDC/ Basti	1	11
Basti	EDD, SANT KABIR NAGAR	NA	57
Basti	EDD/2nd BASTI	27	59
Basti	EDD/BANSI	24	37
Basti	EDD/DUMARIYAGANJ	22	50
Basti	EDD/I BASTI	45	47
Basti	EDD/III BASTI	45	61
Basti	EDD/MEHDAWAL	27	46
Basti	EDD/SIDDHARTHANAGAR	41	66
Basti	ESD, Basti	9	10
Basti	ESWD/BASTI	3	6
Basti	ETD/BASTI	11	17
Basti	ETD/SANT KABIR NAGAR	15	14
Basti	ETD/SIDDHARTHANAGAR	10	10
Basti	EWC/ Basti	1	6
Basti	EWD/BASTI	9	7
Basti	ZAO Basti	2	2
Basti	EDC, KHALILABAD	8	NP
Basti	EDD, HARRAIYA	32	NP
Basti	EDD, KHALILABAD	44	NP
Basti	Total	396	533

Certificate

I have prepared an actuarial valuation on the Group Gratuity benefits in accordance with the Accounting Standard IND AS 19 issued by the Ministry of Corporate Affairs.

I have adhered to Guidance Notes issued by the Institute of Actuaries of India from time to time.

The valuation has been based on membership data provided by the Company which are summarized in Section 3.1 above.

Generally accepted actuarial principles and procedures have been applied in determining the liabilities under the scheme. The calculations are also consistent with my understanding of the requirements of IND AS 19.

The requirements relating to the major valuation assumptions were made clear to the Company as per IND AS 19 guidelines and same have been used accordingly. I consider that the assumptions used are appropriate for the purpose of this report.

The valuation may not, however, be appropriate for any purpose such as determining a suitable funding rate, should the Company wish to pre-fund the liabilities.


MITHRAS CONSULTANTS

Sapna Malhotra

Fellow Member, Institute of Actuaries of India

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Emailid:- sapna.malhotra@mithrasconsultants.com

Contact No.:- 09212375418

Date: 24-Dec-2020

Glossary

All definitions of terms are as per IND AS 19. The following terms are used with explanations given below:

- **Service cost comprises:**

a) current service cost, which is the increase in the present value of the defined benefit obligation resulting from employee service in the current period;

b) past service cost, which is the change in the present value of the defined benefit obligation for employee service in prior periods, resulting from a plan amendment (the introduction or withdrawal of, or changes to, a defined benefit plan) or a curtailment (a significant reduction by the entity in the number of employees covered by a plan); and

c) any gain or loss on settlement.

- **Remeasurements of the net defined benefit liability (asset) comprise:**

a) actuarial gains and losses;

b) the return on plan assets, excluding amounts included in net interest on the net defined benefit liability (asset); and

c) any change in the effect of the asset ceiling, excluding amounts included in net interest on the net defined benefit liability (asset).

- **Actuarial gains and losses are changes in the present value of the defined benefit obligation resulting from:**

a) experience adjustments (the effects of differences between the previous actuarial assumptions and what has actually occurred); and

b) the effects of changes in actuarial assumptions.

- **Balance Sheet:**

An entity shall recognise the net defined benefit liability (asset) in the balance sheet.

When an entity has a surplus in a defined benefit plan, it shall measure the net defined benefit asset at the lower of:

a) the surplus in the defined benefit plan; and

b) the asset ceiling, determined using the discount rate specified in paragraph 83.

- **Funded Status**

This is the excess/(shortfall) of the fair value of plan assets over the Plan Liability.

As per IND AS 19

Leave Benefit Scheme

Purvanchal Vidyut Vitran Nigam Limited

Actuarial Valuation for the period April 01, 2019 to March 31, 2020


MITHRAS CONSULTANTS

Fellow Actuary Details

Sapna Malhotra

Fellow Member, Institute of Actuaries of India

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Date: Dec 24, 2020

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Section 1: Purpose and Scope of the Work Assigned

The primary objective of this valuation exercise is to provide Purvanchal Vidyut Vitran Nigam Limited (Hereinafter referred as "The Company") with an actuarial valuation of the leave encashment benefit that is currently being provided for its employees in India, as at March 31, 2020, for financial year 2019-20.

I have been requested by the Company to calculate the accounting expenses associated with the Leave Encashment Plan for the period April 01, 2019 to March 31, 2020 in terms of Accounting Standard IND AS 19 issued by the Ministry of Corporate Affairs.

The results set out in this Report are based on requirements of IND AS 19 and its application to the Plan. They have been prepared for the specific requirements of IND AS 19 and should not be used for any other purpose. In particular, this Report does not constitute a formal funding actuarial valuation of the Plan and does not present any recommendation of contributions or funding levels.

This Report is provided solely for the Company's use and for the specific purposes indicated above. Except where I expressly agree in writing, it should not be disclosed or provided to any third party, other than as provided below. In the absence of such consent and an express assumption of responsibility, no responsibility whatsoever is accepted by me for any consequences arising from any third party relying on this Report or any advice relating to its contents. The Company may make a copy of this Report available to its auditors, but I make no representation as to the suitability of this Report for any purpose other than that for which it was originally provided and accept no responsibility or liability to the Company's auditors in this regard. The Company should draw the provisions of this paragraph to the attention of its auditors when passing this Report to them.

Actuarial techniques have been adopted; taking into consideration the requirements under Accounting Standard IND AS 19 issued by The Ministry of Corporate Affairs and generally accepted actuarial principles.

All monetary amounts mentioned in this report are in Indian Rupee (INR), unless mentioned otherwise.

Section 2: Summary of Results

2.1 The below table shows the summary of key results for the period 01-04-2019 to 31-03-2020.

All Figures in INR	March 31, 2019	March 31, 2020
Fair Value of Plan Assets	0	0
Present value of obligation	1,685,587,552	2,112,326,465

2.2 Balance Sheet Position as on valuation date

All Figures in INR	March 31, 2019	March 31, 2020
Net asset/(liability) recognised in balance sheet	(1,685,587,552)	(2,112,326,465)

2.3 Expense Recognised in Profit and Loss Account

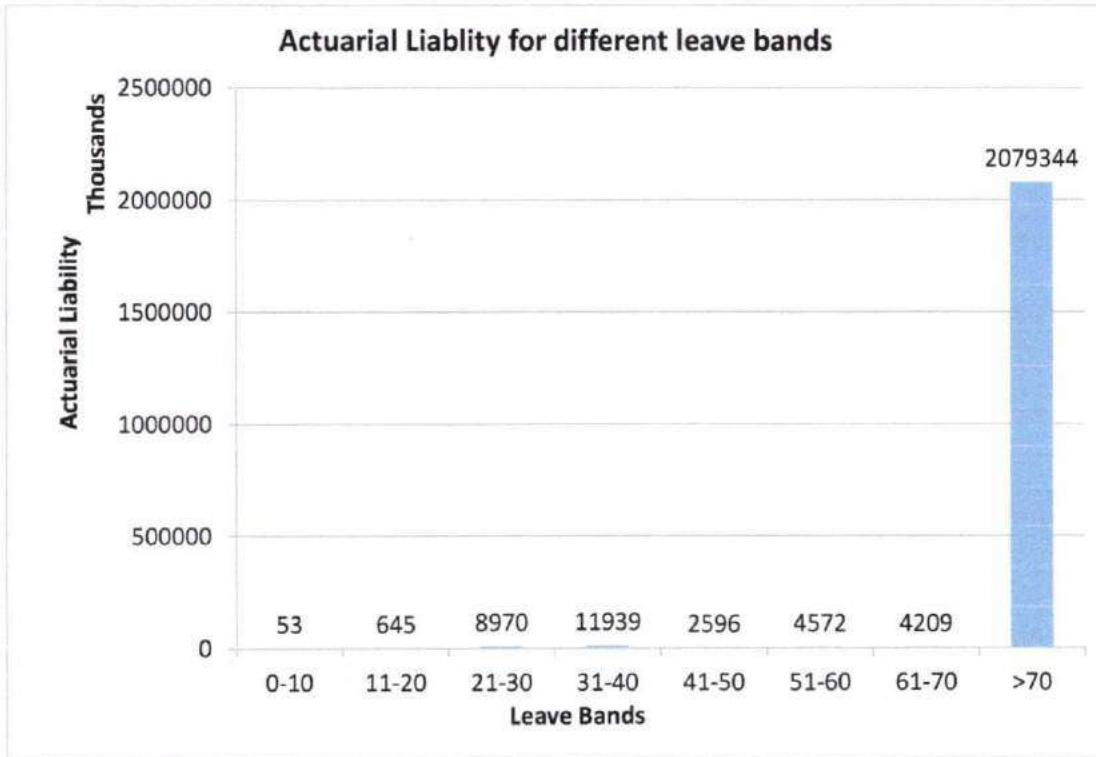
All Figures in INR	March 31, 2019	March 31, 2020
Total Employer Expense	602,881,306	644,331,939

2.4 Bifurcation of Present Value of Obligation at the end of the year

All Figures in INR	March 31, 2019	March 31, 2020
Current Liability	172,349,687	198,297,639
Non-Current Liability	1,513,237,865	1,914,028,826
Total Liability	1,685,587,552	2,112,326,465

2.5 Enterprise best estimate of contribution during next year is INR 189,174,021

2.6 Actuarial Liability based on leave band



Section 3: Data

In preparing this report we have relied on the completeness and accuracy of the information provided to us orally and in writing by or on behalf of the Company and its advisers. We have not completed any detailed validation checks on the information provided. We have, however, carried out broad consistency and validation checks. The Company is solely responsible for validity, accuracy and completeness of the data and information provided. The valuation results may differ significantly from the results that would have been obtained in case there is change in input data by the client.

3.1 Membership Data

The calculations have been based on the membership information for the Plan as at March 31, 2020 as supplied by the Company.

Following is the summary of employees profile data as on valuation date:

Item	March 31, 2019	March 31, 2020
Total Number of Employees	7,420	8,654
Total Monthly Salary (in 000's) (Basic + D.A)	353,414	437,879
Average Monthly Salary (absolute)	47,630	50,598
Average Age (Age last Birthday) (in Years)	40.44	38.71
Average past service (in Years)	13.49	12.09
Average future service (in Years)	19.57	21.29
Total Accumulated Leaves (in days) (in data)	1,584,436.00	1,716,889.00
Total Accumulated Leaves (in days) (valued)	1,584,415.00	1,716,889.00

We have assumed that Salary provided by the Company includes only basic + D.A.

3.2 Asset Data

There were no plan assets set up by the Company. Hence, we have taken zero value in this report.

All Figures in INR	March 31, 2019	March 31, 2020
Opening fair value of Plan Assets	0	0
Actual Return on plan assets	0	0
Employer Contributions	325,569,920	217,593,026
Benefit Paid	(325,569,920)	(217,593,026)
Closing fair value of Plan Assets	0	0

Note: Benefit paid is equal to employer's contribution because benefit is directly paid by the company.

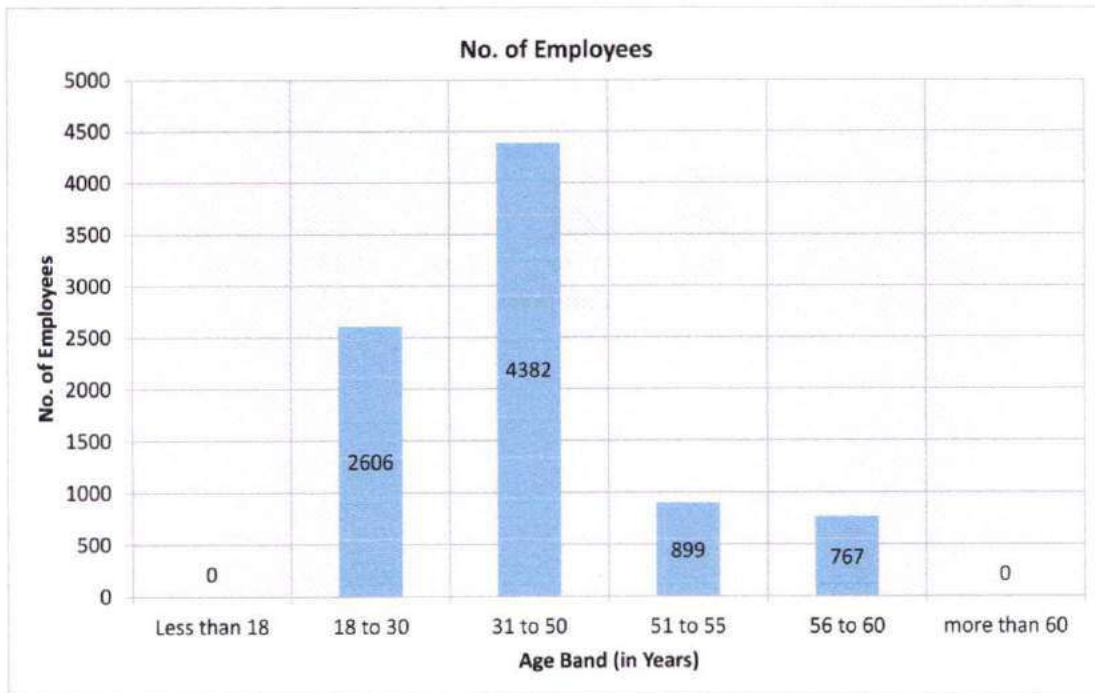
3.3 We have broadly performed the following consistency and validation checks:

- Data missing that is any blank field in the data
- The age last birthday is not less than 18 years at the valuation date
- Date of joining is less than valuation date
- Salaries are not negative or zero
- Age as at valuation date should not be more than the retirement age

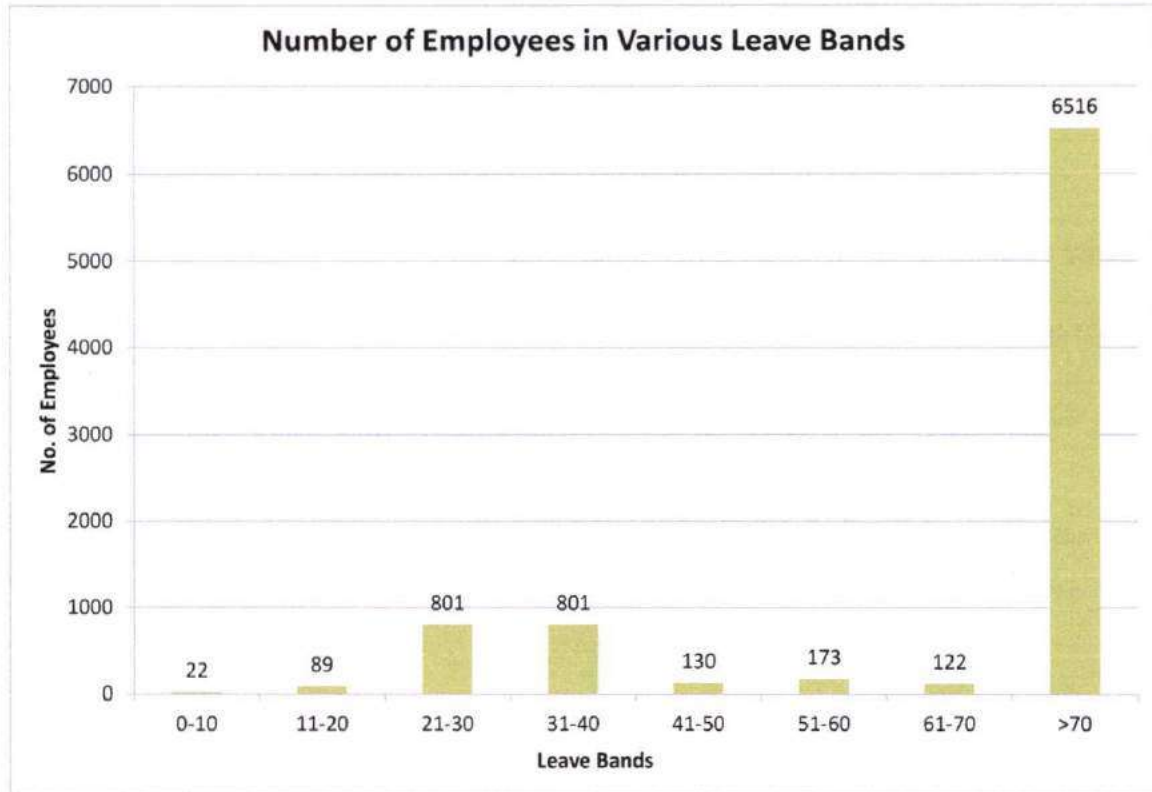
3.4 We have also conducted the following analysis on the data:

3.4(a) : Number of Employees in various age bands

The following chart represents employee's age profile of the Company:



3.4(b) : Number of Employees based in various Leave bands



Section 4: Assumptions

To prepare an actuarial valuation, assumptions are used in a forward looking financial and demographic model to present a single scenario from a wide range of possibilities. The future is uncertain and the plan's actual experience will differ from assumptions; these differences may be significant or material because actuarial estimates can be very sensitive to the assumptions made and, in some cases, to the interactions between the assumptions.

Different assumptions or scenarios within the range of possibilities may also be reasonable and results based on alternative assumptions would be different. As a result of the uncertainty inherent in a forward looking projection in a very long period of time, no one projection is uniquely "correct" and many alternative projections of the future could also be regarded as reasonable. Two different actuaries could, quite reasonably, arrive at different results based on the same data and different views of future. A "sensitivity analysis" shows the degree to which result would be different if alternative assumptions are used for the actuarial estimates.

Assumptions may also be changed from one valuation to the next because of changes in mandated requirement, plan experience, changes in expectation about future and other factors. A change in assumptions is not an indication that prior assumptions were unreasonable when made.

4.1 The assumptions and methodology used in compiling this Report are consistent with the requirements of IND AS 19.

4.2 Economic assumptions include:

- Discount Rate
- Salary Inflation rate
- Expected return on plan assets

4.3 Demographic assumptions include:

- Retirement Age
- Mortality
- Withdrawal Rates
- There is no medical cost involved

Following are the major assumptions that have been used in carrying out the valuation:

Per Annum	Year 1	Year 2	Year 3	Year 4	Year 5	Year 5+
Discount Rate	6.90%	6.90%	6.90%	6.90%	6.90%	6.90%
Salary Growth Rate	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Withdrawal Rate	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Mortality Rate	100% of IALM 2012-14					

Note: Due to insufficient data and experience, we have used 100% of industry mortality table IALM 2012-14 for this valuation.

There are no explicit assumptions for disability and no assumption for medical cost and its trends.

Major assumption that had been used in last valuation ending at 31-Mar-2019:

Discount Rate	7.63% per annum
Salary Growth Rate	3.00% for all years
Withdrawal Rate	0.50% for all years
Mortality Rate	100% of IALM 2006-08

Note: Due to insufficient data and experience, we have used 100% of industry mortality table IALM 2006-08 for this valuation.

4.4 The requirements relating to the major valuation assumptions were made clear as per IND AS 19 and same have been used as provided by the employer. It should be noted that I have not performed any validation checks for the appropriateness and adequacy of the assumptions. The broader professional and accounting standard guidance are that Discount Rate should be based upon the market yields available on Government bonds at the accounting date with a term that matches that of the liabilities and the salary increase should take account inflation, seniority, promotion and other relevant factors.

4.5 The Duration of liability is calculated by scientific method called Macaulay duration. The Macaulay duration is the weighted average term to maturity of the cash flows from a bond. The weight of each cash flow is determined by dividing the present value of the cash flow by the price. The duration of the liabilities is approximately 11 years.

4.6 The discount rate as at 31 March 2020 is based on 11 years government bond yields as at 31 March 2020.

4.7 The results are particularly sensitive to some assumptions, such as the Discount Rate, inflation e.g. level of salary increases and mortality. A decrease in the Discount Rate assumed or an increase in salary inflation will lead to an increase in reported cost.

4.8 Leave availed is taken into account while calculating service cost, according to the trend provided by the Company.

Section 5: Methodology

An actuarial estimation is only a snapshot of a plan's estimated financial condition at a particular point in time; it does not provide the plan's future financial condition or its ability to pay benefit in the future and does not provide any guarantee of future financial soundness of the plan. Over time, a plan's total cost will depend on a number of factors, including the amount of benefit plan pays, the number of people paid benefits, the period of time over which benefits are paid, plan expenses and the amount earned on any assets invested to pay benefits. These amounts and other variables are uncertain and unknowable at the valuation date.

Because modeling all aspects of a situation is not possible or practical, we may use summary information, estimates, or simplifications of estimates to facilitate the modeling future events in an efficient and cost-effective manner. We may also include factor or data that, if used, in our judgment, would not have significantly affected our results. Use of such simplifying techniques does not, in our judgment, affect the reasonableness of valuation results for the plan.

Valuations do not affect the ultimate cost of the plan, only the timing when benefits costs are recognized. Cost recognitions occur over time. If the costs recognized over the period of years are lower or higher than necessary, for whatever reason, normal and expected practice is to adjust future levels to recognize the entire cost of the plan over time.

5.1 The valuation has been carried out using the Projected Unit Credit (PUC) actuarial method to assess the Plan's liabilities, including those related to death-in-service and incapacity benefits.

Under the PUC method a "projected accrued benefit" is calculated at the beginning of the year and again at the end of the year for each benefit that will accrue for all active members of the Plan. The "projected accrued benefit" is based on the Plan's accrual formula and upon service as of the beginning or end of the year, but using a member's final compensation, projected to the age at which the employee is assumed to leave active service. The Plan Liability is the actuarial present value of the "projected accrued benefits" as of the beginning of the year for active members.

Recognition of re-measurement items

The disclosures in this report have been prepared using the immediate recognition approach of recognising all re-measurement items occurring during the year in the other comprehensive income (OCI).

Actuarial techniques allow an enterprise to measure that obligation with sufficient reliability to justify recognition of a liability.

Section 6: Provisions

6.1 We give below a summary of the principal rules of the Plan;

Type of Plan	Other Long-Term Employee Benefit – Earned Leave
Employer's Contribution	100%
Encashment during employment	No
Salary for calculation of Leave Encashment	Last Drawn Basic + D.A
Benefits on Normal Retirement	(No. of accumulated leaves * Applicable monthly salary for the leave encashment)/30
Benefit on early exit due to early retirement/withdrawal/resignation	Same as normal retirement benefit upto the date of exit
Benefit on death in service	Same as normal retirement benefit except that no vesting condition apply
Annual Leave Entitlement (Yearly Accrual)	31 Days
Maximum cap on leave encashment amount	No Limit
Maximum accumulation of leaves allowed	300 days
Minimum Service Condition (in Years) – Vesting Period	NIL
Normal Retirement Age (in Years)	60 Years, One year is added to the current age and considered as retirement age, if current age is more than retirement age.
Leave Availment Rate	0%

Note: The principal rules of the plan regarding the payment of leave benefits to the employees have not changed over the previous valuation period.

6.2 We have made full actuarial valuations based on member data and plan information provided by the Company as at Valuation date.

6.3 The definitions of various terms used in the Report are given in the last section.

6.4 The full results of our calculations are set out in Disclosure Tables in Section 9.

6.5 We would be pleased to discuss this report with you.

Section 7: Characteristics of Defined Benefit Plan

7.1 The Nature of benefits provided by the plan

This plan provides a lump sum benefit based on the accumulated encashable and salary at the time of leaving the plan.

The benefit formula is :-

Numbers of accumulated cashable leaves/Days in a month*Current Salary eligible for leave encashment

Days in a month represents the working days in a month.

Generally this plan offers uncapped benefit.

7.2 Regulatory Framework in which Plan operates

The accounting standard governing the provisioning of this plan in the books of accounts is IND AS 19 issued by the Ministry of Corporate Affairs.

The actuarial valuation of this Plan has been done as per the actuarial principles as mentioned in the Actuarial Practice Standard APS15 issued by the "Institute of Actuaries of India".

Currently there are no minimum funding requirements in India.

7.3 Responsibilities for the governance of the Plan

The responsibility for the governance of this Plan lies with the Trustees, Board Members, or Employer who is managing the Plan. We have no responsibility of how the Plan is managed, liabilities are funded, data is stored, assumptions are set and benefits are paid to the employees.

7.4 Any expected changes in rules and regulations.

There are no expected regulatory changes.

Section 8: Risks associated with Defined Benefit Plan

Where there is a delay in benefit being promised and benefit being provided, there will always be some uncertainty for the benefit provider and the benefit recipient.

Benefit Risks in Defined Benefit Schemes

1) Risk to the beneficiary

The greatest risk to the beneficiary is that there are insufficient funds available to provide the promised benefits. This may be due to:

- The insufficient funds set aside, i.e. underfunding
- The insolvency of the Employer
- The holding of investments which are not matched to the liabilities
- Or a combination of these events

2) Parameter risk

Actuarial valuation is done basis some assumptions like salary inflation, discount rate and withdrawal assumptions. In case the actual experience varies from the assumptions, fund may be insufficient to pay off the liabilities.

For example: the plan's liability is calculated with salary inflation assumption of 5% per annum. However, Company's' actual practice is to provide increment of 10% per annum. This will result into underfunding.

Similarly, reduction in discount rate in subsequent future years can increase the plan's liability.

Further, actual withdrawals may be lower or higher than what was assumed in the valuation, may also impact the plan's liability.

3) Risk of illiquid Assets

Another risk is that the funds, although sufficient, are not available when they are required to finance the benefits. This may be due to assets being locked for longer period or in illiquid assets.

4) Risk of Benefit Change

There may be a risk that the benefit promised is changed or is changeable within the terms of the contract. For example regulator may increase the benefits payable under defined benefit plans.

5) Asset liability mismatching risk

ALM risk arises due to a mismatch between assets and liabilities either due to liquidity or changes in interest rates or due to different duration.

For example: The liability duration is 10 years. While assets are locked in 5-year g-sec securities. After 5 years, there is huge reinvestment risk to invest maturity proceeds of assets due to uncertainty about the market prevailing yields at that time.

Section 9: Disclosure Format

This section provides the Report under IND AS 19 in respect of Leave Encashment Plan.

Table I: Assumptions

Assumptions	March 31, 2019	March 31, 2020
Discount Rate	7.63% per annum	6.90% per annum
Rate of increase in Compensation levels	3.00% per annum	3.00% per annum
Rate of Return on Plan Assets	Not Applicable	Not Applicable
Average future service (in Years)	19.57 Years	21.29 Years

Table II: Service Cost

All Figures in INR	March 31, 2019	March 31, 2020
Current Service Cost	23,999,499	42,158,733
Past Service Cost (including curtailment Gains/Losses)	0	0
Gains or losses on Non Routine settlements	0	0
Total	23,999,499	42,158,733

Table III: Net Interest Cost

All Figures in INR	March 31, 2019	March 31, 2020
Interest Cost on Defined Benefit Obligation	108,296,437	128,610,330
Interest Income on Plan Assets	0	0
Net Interest Cost (Income)	108,296,437	128,610,330

Table IV: Change in Present Value of Obligations

All Figures in INR	March 31, 2019	March 31, 2020
Opening of defined benefit obligations	1,408,276,166	1,685,587,552
Service cost	23,999,499	42,158,733
Interest Cost	108,296,437	128,610,330
Benefit Paid	(325,569,920)	(217,593,026)
Actuarial (Gain)/Loss on total liabilities:	470,585,370	473,562,876
- due to change in financial assumptions	8,544,230	134,076,059
- due to change in demographic assumptions	0	0
- due to experience changes	462,041,140	339,486,817
Closing of defined benefit obligation	1,685,587,552	2,112,326,465

Table V: Change in Fair Value of Plan Assets

All Figures in INR	March 31, 2019	March 31, 2020
Opening fair value of plan assets	0	0
Actual Return on Plan Assets	0	0
Employer Contribution	325,569,920	217,593,026
Benefit Paid	(325,569,920)	(217,593,026)
Closing fair value of plan assets	0	0

Table VI: Actuarial (Gain)/Loss on Plan Asset

All Figures in INR	March 31, 2019	March 31, 2020
Expected Interest Income	0	0
Actual Income on Plan Asset	0	0
Actuarial gain / (loss) on Assets	0	0

Table VII: Other Comprehensive Income

All Figures in INR	March 31, 2019	March 31, 2020
Opening amount recognized in OCI outside profit and loss account	N/A	N/A
Actuarial gain / (loss) on liabilities	N/A	N/A
Actuarial gain / (loss) on assets	N/A	N/A
Closing of amount recognized in OCI outside profit and loss account	N/A	N/A

Note:- As per paragraph 154 and 156 of IND AS 19, Actuarial gains and losses on other long term employee benefit plans continue to be required to be recognized through P&L.

Table VIII: The amount to be recognized in Balance Sheet Statement

All Figures in INR	March 31, 2019	March 31, 2020
Present Value of Obligations	1,685,587,552	2,112,326,465
Fair value of plan assets	0	0
Net Obligations	1,685,587,552	2,112,326,465
Amount not recognized due to asset limit	0	0
Net defined benefit liability / (assets) recognized in balance sheet	1,685,587,552	2,112,326,465

Table IX: Expense Recognized in Statement of Profit and Loss

All Figures in INR	March 31, 2019	March 31, 2020
Service cost	23,999,499	42,158,733
Net Interest Cost	108,296,437	128,610,330
Net actuarial (gain)/ loss	470,585,370	473,562,876
Expenses Recognized in the statement of Profit & Loss	602,881,306	644,331,939

Note:- As per paragraph 154 and 156 of IND AS 19, Actuarial gains and losses on other long term employee benefit plans continue to be required to be recognized through P&L.

Table X: Major categories of plan assets (as percentage of total plan assets)

Item	March 31, 2019	March 31, 2020
Government of India Securities	0%	0%
State Government Securities	0%	0%
High Quality Corporate Bonds	0%	0%
Equity Shares of Listed Companies	0%	0%
Property	0%	0%
Special Deposit Scheme	0%	0%
Fund Managed by Insurer	0%	0%
Bank Balance	0%	0%
Other Investments	0%	0%
Total	0%	0%

Table XI: Change in Net Defined Obligations

All Figures in INR	March 31, 2019	March 31, 2020
Opening of Net defined benefit liability	1,408,276,166	1,685,587,552
Service cost	23,999,499	42,158,733
Net Interest Cost	108,296,437	128,610,330
Re-measurements	470,585,370	473,562,876
Contribution paid to fund	(325,569,920)	(217,593,026)
Closing of Net defined benefit liability	1,685,587,552	2,112,326,465

Section 10: Reconciliation of Expense in Profit and Loss Statement

All Figures in INR	March 31, 2019	March 31, 2020
Present Value of Obligation as at the end of the year	1,685,587,552	2,112,326,465
Present Value of Obligation as at the beginning of the year	(1,408,276,166)	(1,685,587,552)
Benefit Paid	325,569,920	217,593,026
Actual Return on Assets	0	0
OCI	N/A	N/A
Expenses Recognised in the Statement of Profit and Loss	602,881,306	644,331,939

Note: The expense amount mentioned in Table IX of Section 9 reconciled with Zero difference.

Section 11: Reconciliation of Liability in Balance Sheet

All Figures in INR	March 31, 2019	March 31, 2020
Opening net defined benefit liability / (asset)	1,408,276,166	1,685,587,552
Expense as above	602,881,306	644,331,939
Amount recognized outside profit & loss account	0	0
Employer Contributions	(325,569,920)	(217,593,026)
Closing net defined benefit liability / (asset)	1,685,587,552	2,112,326,465

Note: The closing net liability amount mentioned in Table XI of Section 9 reconciled with Zero difference.

The following material developments in the inter-investigation period have led to a significant variation in the liability.

- There has been a significant increase in the number of employees.
- The average salary over the period has increased.
- The number of leaves valued over the period has increased.

Section 12: Sensitivity Analysis

Following table shows the sensitivity results on liability due to change in the assumptions:

Item	31-Mar-20	Impact (Absolute)	Impact %
Base Liability	2,112,326,465		
Increase Discount Rate by 0.50%	2,018,758,120	(93,568,345)	-4.43%
Decrease Discount Rate by 0.50%	2,214,142,220	101,815,755	4.82%
Increase Salary Inflation by 1.00%	2,322,720,617	210,394,152	9.96%
Decrease Salary Inflation by 1.00%	1,931,975,726	(180,350,739)	-8.54%
Increase Withdrawal Rate by 0.50%	2,157,254,671	44,928,206	2.13%
Decrease Withdrawal Rate by 0.50%	2,064,417,739	(47,908,726)	-2.27%

Note:

- The base liability is calculated at discount rate of 6.9% per annum and salary inflation rate of 3% per annum for all future years.
- Liabilities are very sensitive to salary escalation rate, discount rate & withdrawal rate.
- Liabilities are very less sensitive due to change in mortality assumptions. Hence, sensitivities due to change in mortality are ignored.

Section 13: Maturity Profile of Defined Benefit Obligation (Valued on undiscounted basis)

All Figures in INR	March 31, 2019	March 31, 2020
Year 1	185,499,968	211,980,203
Year 2	167,169,798	170,655,324
Year 3	164,299,076	186,295,222
Year 4	145,085,441	204,002,326
Year 5	147,003,302	164,941,828
After 5th Year	3,250,507,422	3,965,697,749
Total	4,059,565,007	4,903,572,652

Section 14: Comparison with last years' figures

All Figures in INR	Impact (Absolute)	Impact %	Variation
Fair Value of Plan Assets	0	0	NA
Present value of obligation	1,685,587,552	2,112,326,465	25.3%
Net asset/(liability) recognised in balance sheet	(1,685,587,552)	(2,112,326,465)	25.3%
OCI	N/A	N/A	NA
Expense to be recognized in the Profit and loss statement	602,881,306	644,331,939	6.9%

Annexure - I : Zone Wise Breakup for Employees

Following tables shows the number of employees in the respective Units and Zones:

Zones	Name of the Units	March 31, 2019	March 31, 2020
Prayagraj	CE(D), PRAYAGRAJ	29	36
Prayagraj	EDC PRATAPGARH	11	10
Prayagraj	EDD- Meja PRAYAGRAJ	46	60
Prayagraj	EUDD MAYOHALL	123	119
Prayagraj	EUTD-II, PRAYAGRAJ	19	24
Prayagraj	ECD(D) Prayagraj	13	13
Prayagraj	EDC FATEHPUR	12	14
Prayagraj	EDC KAUSHAMBI	7	7
Prayagraj	EDC-I PRAYAGRAJ	14	14
Prayagraj	EDC-II Prayagraj	8	8
Prayagraj	EDD Handia	42	66
Prayagraj	EDD -II Fatehpur	68	91
Prayagraj	EDD KAUSHAMBI	40	55
Prayagraj	EDD Khaga Fatehpur	59	60
Prayagraj	EDD Lalganj Pratapgarh	36	43
Prayagraj	EDD Phaphamau	50	63
Prayagraj	EDD RANIGANJ PRATAPGARH	32	41
Prayagraj	EDD. CHAYAL	42	48
Prayagraj	EDD-I PRATAPGARH	69	69
Prayagraj	EDD-I PRAYAGRAJ	81	109
Prayagraj	EDD-I, FATEHPUR.	64	101
Prayagraj	EDD-II PRATAPGARH	48	60
Prayagraj	EDD-II Prayagraj	55	77
Prayagraj	ESD Prayagraj	28	30
Prayagraj	ESWD, Prayagraj	18	18
Prayagraj	ETD- Fatehpur	13	16
Prayagraj	ETD KAUSHAMBI	9	12
Prayagraj	ETD Pratapgarh	19	23
Prayagraj	ETD-I PRAYARAJ	22	28
Prayagraj	ETD-II Prayagraj	19	22
Prayagraj	EUUCD-I PRAYAG.	12	11
Prayagraj	EUUCD-II Prayagraj	12	10
Prayagraj	EUUCD-I, PRAYAG.	10	15
Prayagraj	EUUCD-II PRAYAG.	7	8
Prayagraj	EUDD NAINI	58	55
Prayagraj	EUDD BAMRAULI	63	59

Zones	Name of the Units	March 31, 2019	March 31, 2020
Prayagraj	EUDD KALYANIDEVI	63	63
Prayagraj	EUDD KARELABAGH	41	41
Prayagraj	EUDD RAMBAGH	80	83
Prayagraj	EUDD-Tagore Town	95	91
Prayagraj	EUTD-I PRAYAGRAJ	32	29
Prayagraj	EWD Prayagraj	31	33
Prayagraj	ZAO(D) Prayagraj	12	11
Prayagraj	Temp Kumbh Mela	32	NP
Prayagraj	Total	1644	1846

Zones	Name of the Units	March 31, 2019	March 31, 2020
Mirzapur	Chief Engineer (D) Mirzapur Zone.	4	14
Mirzapur	E.T.D. Robertsganj	NA	29
Mirzapur	EDC -MIRZAPUR	15	8
Mirzapur	EDC -Sonebhadra	7	7
Mirzapur	EDC-BHADOHI	NA	6
Mirzapur	EDD PIPRI	105	128
Mirzapur	EDD Robertsganj	89	109
Mirzapur	EDD-1 BHADOHI	69	71
Mirzapur	EDD-CHUNAR	67	76
Mirzapur	EDD-I -MIRZAPUR	59	77
Mirzapur	EDD-II BHADOHI (Gopiganj)	58	86
Mirzapur	EDD-II MIRZAPUR	98	116
Mirzapur	Electricity Secondary Works Division, MZP	5	8
Mirzapur	ELECTRICITY STORE DIVISION, MIRZAPUR	14	16
Mirzapur	ELECTRICITY TEST DIVISION-MIRZAPUR	31	35
Mirzapur	Electricity Work Circle, Mirzapur	6	5
Mirzapur	Electricity Workshop Division, Mirzapur	18	15
Mirzapur	ETD-Bhadohi	16	26
Mirzapur	ZONAL ACCOUNT OFFICE-MIRZAPUR	5	7
Mirzapur	ETD, SONBHADRA	26	NP
Mirzapur	Total	692	839

Zones	Name of the Units	March 31, 2019	March 31, 2020
Basti	EDC, SANT KABIR NAGAR	3	12
Basti	CE(D)-BASTI	11	19
Basti	E. Store Division -Basti	13	14
Basti	EDC- Basti	8	14
Basti	EDC Siddarthnagar	12	9
Basti	EDD- I, Basti	60	59
Basti	EDD III, Basti	61	74
Basti	EDD- SANT KABIR NAGAR	NA	72
Basti	EDD-2nd BASTI	41	71
Basti	EDD-BANSI	30	43
Basti	EDD-DUMARIYAGANJ	26	55
Basti	EDD-MEHDAWAL	36	56
Basti	EDD-SIDDHARTHANAGAR	54	77
Basti	ESWD-BASTI	6	9
Basti	ETD-BASTI	22	26
Basti	ETD-SANT KABIR NAGAR	15	15
Basti	ETD-SIDDHARTHANAGAR	13	13
Basti	EWC- Basti	2	7
Basti	EWD-BASTI	13	13
Basti	ZAO Basti	6	4
Basti	CZE, BASTI	3	NP
Basti	EDC, KHALILABAD	8	NP
Basti	EDD, HARRAIYA	34	NP
Basti	EDD, KHALILABAD	62	NP
Basti	Total	539	662

Zones	Name of the Units	March 31, 2019	March 31, 2020
Azamgarh	EDC-I Azamgarh	NA	9
Azamgarh	Chief (D) Azamgarh	11	19
Azamgarh	E.S.W.D. AZAMGARH	8	8
Azamgarh	EDC-BALLIA	NA	31
Azamgarh	EDD-I Azamgarh	70	103
Azamgarh	EDD-I MAU	131	143
Azamgarh	EDD-I, Ballia	58	71
Azamgarh	EDD-II Azamgarh	53	81
Azamgarh	EDD-II ballia	59	63
Azamgarh	EDD-II MAU	84	104
Azamgarh	EDD-III Azamgarh	85	85
Azamgarh	EDD-III Ballia	48	35
Azamgarh	EDD-III Ghosi	NA	102
Azamgarh	EDD-IV Azamgarh	NA	63
Azamgarh	EDD-IV Ballia	27	52
Azamgarh	EDD-V Azamgarh	35	55
Azamgarh	EDD-VI Azamgarh	43	64
Azamgarh	ETD Mau	28	36
Azamgarh	ETD-I AZAMGARH	28	27
Azamgarh	ETD-II AZAMGARH	12	21
Azamgarh	EWC Azam	NA	3
Azamgarh	EWD Azamgarh	19	19
Azamgarh	ZAO Azamgarh	7	7
Azamgarh	EDD Phoolpur Azamgarh	39	NP
Azamgarh	EDD-3, MAU	89	NP
Azamgarh	ESD, AZAMGARH	20	NP
Azamgarh	ETD BALLIA	19	NP
Azamgarh	Total	973	1201

Zones	Name of the Units	March 31, 2019	March 31, 2020
Gorakhpur	E.D.C.-II, Gorakhpur	22	9
Gorakhpur	EDD HATA KUSHINAGAR	34	54
Gorakhpur	EDD SALEMPUR	63	75
Gorakhpur	EDD-Nichlaul	21	41
Gorakhpur	EUDD-III, GKP	19	32
Gorakhpur	ZAO, GKP	9	5
Gorakhpur	BARAHAZ	17	35
Gorakhpur	CE(D), Gkp	19	41
Gorakhpur	E.D.C.-I, Gorakhpur	12	11
Gorakhpur	ECD(D), Mohaddipur Gorakhpur	10	11
Gorakhpur	EDC Deoria	14	9
Gorakhpur	EDC KUSHINAGAR	2	7
Gorakhpur	EDC, Deoria	NA	2
Gorakhpur	EDC, MAHARAJGANJ	1	9
Gorakhpur	EDD CAMPIERGANJ	18	41
Gorakhpur	EDD CAMPIERGANJ GORAKHPUR	9	7
Gorakhpur	EDD DEORIA	89	89
Gorakhpur	EDD GAURIBAZAR	49	60
Gorakhpur	EDD KAURIRAM	64	59
Gorakhpur	EDD KAURIRAM	17	11
Gorakhpur	EDD NAUTANWA	NA	42
Gorakhpur	EDD PADRAUNA	54	52
Gorakhpur	EDD Seorahi,Kushinagar	23	30
Gorakhpur	EDD- SIKRIGANJ	25	41
Gorakhpur	EDD, Chauri Chaura	61	65
Gorakhpur	EDD, Chauri Chaura, Gkp	NA	17
Gorakhpur	EDD, KASIA KUSHINAGAR	59	64
Gorakhpur	EDD-2 ANAND NAGAR	58	49
Gorakhpur	EDD-HARRAIYA	NA	56
Gorakhpur	EDD-I MAHARAJGANJ	38	60
Gorakhpur	EDD-I, Gkp	39	33
Gorakhpur	EDD-I,Gkp	67	69
Gorakhpur	EDD-II, GORAKHPUR	92	97
Gorakhpur	ESD, Gkp	33	30
Gorakhpur	ESWD, MOHADDIPUR, Gkp	15	8
Gorakhpur	ESWD,MOHADDIPUR, GORAKHPUR	NA	4
Gorakhpur	ETD- MAHARAJGANJ	NA	7
Gorakhpur	ETD KUSHINAGAR	NA	16
Gorakhpur	ETD- MAHARAJGANJ	NA	8
Gorakhpur	ETD-Deoria	21	27

Zones	Name of the Units	March 31, 2019	March 31, 2020
Gorakhpur	ETD-I, GKP	4	4
Gorakhpur	ETD-I,Gkp	20	22
Gorakhpur	ETD-II GORAKHPUR	20	22
Gorakhpur	EUDD,GORAKHPUR	18	13
Gorakhpur	EUDD-1, GORAKHPUR	97	90
Gorakhpur	EUDD-II Gkp	70	66
Gorakhpur	EUDD-II GORAKHPUR	26	21
Gorakhpur	EUDD-III, GKP	NA	9
Gorakhpur	EUDD-IV Gorakhpur	38	41
Gorakhpur	EUDD-IV Gorakhpur	7	9
Gorakhpur	EUTD, Gkp	7	31
Gorakhpur	EWC, MOHADDIPUR, gkp	10	6
Gorakhpur	EWC, MOHADDIPUR, GORAKHPUR	NA	3
Gorakhpur	EWD, Gkp	3	3
Gorakhpur	EWD,Gkp	NA	12
Gorakhpur	GAURIBAZAR	NA	17
Gorakhpur	SIKRIGANJ	NA	8
Gorakhpur	ZAO, GKP	9	4
Gorakhpur	UETD,GORAKHPUR	6	NP
Gorakhpur	Total	1409	1764

Zones	Name of the Units	March 31, 2019	March 31, 2020
Varanasi	CE(D) Varanasi Zone	14	19
Varanasi	E Civil (D) Varanasi	13	16
Varanasi	EDC Chandauli	NA	8
Varanasi	EDC, Varanasi	18	17
Varanasi	EDC-I, Jaunpur	10	11
Varanasi	EDC-II Jaunpur	7	6
Varanasi	EDD Chiraigaon	45	55
Varanasi	EDD Sakaldiha	41	55
Varanasi	EDD Zamania	42	59
Varanasi	EDD, Machhalisahar	38	42
Varanasi	EDD, Shahganj	46	55
Varanasi	EDD-I, Chandauli	77	103
Varanasi	EDD-I, Ghazipur	122	122
Varanasi	EDD-I, Jaunpur	63	71
Varanasi	EDD-I, Varanasi	52	57
Varanasi	EDD-II Jaunpur	57	64
Varanasi	EDD-II, Ghazipur	104	104
Varanasi	EDD-II, Mughalsarai	66	60
Varanasi	EDD-II, Varanasi	108	120
Varanasi	EDD-III, Jaunpur	55	55
Varanasi	EDD-III, Saidpur	83	89
Varanasi	EDD-IV, Jaunpur	31	41
Varanasi	EPMCD Varanasi	13	14
Varanasi	ESD, Varanasi	34	35
Varanasi	ESWD Varanasi	30	12
Varanasi	ETD Varanasi	27	26
Varanasi	ETD, Chandauli	28	23
Varanasi	ETD, Ghazipur	20	36
Varanasi	ETD-I, Jaunpur	18	20
Varanasi	ETD-II, Jaunpur	16	25
Varanasi	EWD Varanasi	27	31
Varanasi	MD Office Varanasi	128	181
Varanasi	UECD-I Varanasi	21	19
Varanasi	UECD-II Varanasi	12	15
Varanasi	UEDD-I, Varanasi	92	85
Varanasi	UEDD-II, Varanasi	88	83
Varanasi	UEDD-III Varanasi	65	67
Varanasi	UEDD-IV, Varanasi	96	89
Varanasi	UEDD-V Varanasi	78	73
Varanasi	UEDD-VI Varanasi	75	71

Zones	Name of the Units	March 31, 2019	March 31, 2020
Varanasi	UEDD-VII, Varanasi	48	61
Varanasi	UEDD-VIII Varanasi	51	48
Varanasi	UETD-I, Varanasi	40	36
Varanasi	UETD-II Varanasi	46	46
Varanasi	ZAO Varanasi	18	17
Varanasi	Total	2163	2342

Certificate

I have prepared an actuarial valuation on the Group Leave Encashment benefits, provided for employees by the Company as at March 31, 2020, in accordance with the Accounting Standard IND AS 19 issued by the Ministry of Corporate Affairs.

I have adhered to Guidance Notes issued by the Institute of Actuaries of India from time to time.

Generally accepted actuarial principles and procedures have been applied in determining the liabilities under the scheme. The calculations are also consistent with my understanding of the requirements of IND AS 19.

The valuation has been based on membership data provided by the Company which are summarized in Section 3.1 above.

The requirements relating to the major valuation assumptions were made clear to the Company as per IND AS 19 guidelines and same have been used accordingly. I consider that the assumptions used are appropriate for the purpose of this report.

The valuation may not, however, be appropriate for any purpose such as determining a suitable funding rate, should the Company wish to pre-fund the liabilities.


MITHRAS CONSULTANTS

Sapna Malhotra

Fellow Member, Institute of Actuaries of India

Membership No. IAI- 3766

Emailid:- sapna.malhotra@mithrasconsultants.com

Contact No.:- 09212375418

Date: 24-Dec-2020

Glossary

All definitions of terms are as per IND AS 19. The following terms are used with explanations given below:

- **Service cost comprises:**

a) current service cost, which is the increase in the present value of the defined benefit obligation resulting from employee service in the current period;

b) past service cost, which is the change in the present value of the defined benefit obligation for employee service in prior periods, resulting from a plan amendment (the introduction or withdrawal of, or changes to, a defined benefit plan) or a curtailment (a significant reduction by the entity in the number of employees covered by a plan); and

c) any gain or loss on settlement.

- **Remeasurements of the net defined benefit liability (asset) comprise:**

a) actuarial gains and losses;

b) the return on plan assets, excluding amounts included in net interest on the net defined benefit liability (asset); and

c) any change in the effect of the asset ceiling, excluding amounts included in net interest on the net defined benefit liability (asset).

- **Actuarial gains and losses are changes in the present value of the defined benefit obligation resulting from:**

a) experience adjustments (the effects of differences between the previous actuarial assumptions and what has actually occurred); and

b) the asset ceiling, determined using the discount rate specified in paragraph 83.

- **Funded Status**

This is the excess/(shortfall) of the fair value of plan assets over the Plan Liability.

*Annexure II-
Auditor Report
& Audited
Balance Sheet
(FY 2019-20)*



Independent Auditors' Report

To the Members of Purvanchal Vidyut Vitran Nigam Limited, Varanasi

Report on the Audit of the Financial Statements

Opinion

We have audited the financial statements of **Purvanchal Vidyut Vitran Nigam Limited** ("the Company"), which comprise the balance sheet as at **31st March 2020**, and the statement of Profit and Loss and statement of cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies and other explanatory information.

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India read with our **qualifications/ limitations/ exceptions as given in Annexure "I"**, of the state of affairs of the Company as at **31st March, 2020**, its Loss and its cash flows for the year ended on that date.

Basis for Opinion

We conducted our audit in accordance with the Standards on Auditing (SAs) specified under section 143(10) of the Companies Act, 2013. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Company in accordance with the Code of Ethics issued by the Institute of Chartered Accountants



of India together with the ethical requirements that are relevant to our audit of the financial statements under the provisions of the Companies Act, 2013 and the Rules thereunder, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Key Audit Matters

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the financial statements of the current period. These matters were addressed in the context of our audit of the financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters. For each matter below, our description of how our audit addressed the matter is provided in that context.

We have determined the matters described below to be the key audit matters to be communicated in our report. We have fulfilled the responsibilities described in the auditor's responsibilities for the audit of the financial statements section of our report, including in relation to these matters. Accordingly, our report includes the performance of procedures designed to respond to our assessment of the risk of material misstatement of the financial statements. The result of our audit procedure, including the procedures performed to address the matters below, provide the basis for our audit opinion on the accompanying financial statement.

1. Sundry Debtors

There is a staggering increase in the level of trade receivables from year to year. During the year revenue from Sale of Power is Rs.11,641.41 Crore whereas total Trade Receivable is Rs.29,681.28 Crore which is higher than cumulative figure of





last 2 years revenue from Sale of Power (11,641.41+11,036.93= 22,678.34). In other words Trade Receivables are more than 2 years old. Provision for Doubtful Debt has been made uniformly for debtors for exceeding 6 months as well as less than 6 months to the tune of 5% on incremental debtors.

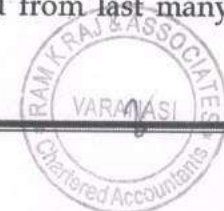
How our audit addressed the key audit matter

The Zonal auditors have performed the following procedures in relation to the recoverability of trade receivables:

- Obtaining an understanding of and assessing the design, implementation and operating effectiveness of the Company's key internal controls over the processes of credit control, collection of trade receivables and follow up of overdue balances;
- Evaluating the Company's policy for making allowances for doubtful debts with reference to the requirements of the prevailing accounting standards.
- Assessed the recoverability of the unsettled receivables on a sample basis and found that 'Online Portal is showing Arrears inclusive of Late Payment Surcharge which has been added in Bill of consumer on monthly basis for default period. But as per Accounting Policies of the company, Late Payment Surcharge recoverable from consumers on energy Bills is accounted for on Cash Basis due to uncertainty of realization.
- They found that the key judgments and assumptions used by management in the recoverability assessment of trade receivables is not satisfactory based on the available evidences.

2. Bank Reconciliation Statement

There are major differences in Bank balance as per books of account and as per bank statement. With respect to bank accounts, though BRS has been prepared, a long list of outstanding entries are being carried forward from last many years





and even the un-cashed/stale cheques and other entries pertaining to revenue accounts have been shown outstanding and not accounted for in the cash book. As reported by the Zonal Auditors also, the cumulative amount of such entries is in several Crores.

How our audit addressed the key audit matter

The audit approach was a combination of test of internal controls and substantive procedures which included the following:

- Evaluate the design of internal controls relating to recording of such bounced cheques in books of accounts.
- Selected sample of debtors on random basis to check the amount involved.
- Verification of the Cash book and the Bank Book to check whether entries related to bounce cheques have been passed and reversed but could find that no amounts are reversed for the cheques bounced during the clearing. Due to this balance of the debtors could have decreased subsequently but in actual, the balances of the debtors are intact.
- Assessed the reasons of negative bank balance as per Cash book , we found that customers make online payment to the bank directly and the receipt for such payment is issued after months when the person visits the unit, thus it's entry in the cashbook could be made only when receipt is issued(as per company's policy). There is system of sweep transfer the excess balance amount to UPPCL directly which results into negative balance in books. The unit has taken very least efforts to rectify the issue.
- We have asked the management to make the procedure through which amount involving such cheques are being reversed on timely basis & recording of the revenue should not be based on receipt issued basis, so that the actual figures of the debtors are being reflected in the books of accounts.





3. Temporary Imprest & Permanent Imprest

As per company policy the TI/PI should be closed at the year end but the consolidated amount is showing outstanding of Rs.3,48,64,109/-.

How our audit addressed the key audit matter

The audit procedures included the following:

- Assessing the appropriateness of the methodology applied in determining the amount of cash advance as Imprest to be given to such employee.
- Assessing the estimation around the key drivers of the cash flow forecasts for particular work for which Imprest is to be done.
- Discussion/evaluation of total cost of material & labourer that is to be used and total expense involved in such work.
- Testing the arithmetical accuracy of the model prepared by the Employee.
- Considered the completeness and accuracy of the supporting which has been provided by the employee for such Imprest.
- We have asked the management to make the procedure for opening TI/PI against passed vouchers only, so that such balances would be adjusted on timely basis. Further, the opening balances lying unadjusted should be adjusted after detailed verification.

4. Inter Unit Transfer

The net IUT in consolidated financial account is showing Debit balance of Rs.1,376.66 Crore (Previous Year Rs.1935.35 Crore).





How our audit addressed the key audit matter

- The entry in IUT is passed by MD Office at the time of payments made to the contractor and suppliers and corresponding WMDR/WMCR is raised.
- The different Circle Offices also made payments on behalf of their Divisions but they are not raising corresponding ATD/ATC.
- ATD/ATC are not being raised within reasonable time on account of transfer of material by a unit to another unit.
- This has resulted in understatement of WIP and overstatement of Sundry Creditors at Unit level.
- No reconciliations have been prepared at Unit level for the balance appearing in the books as per Unit/Zone. The system generates IUT broad sheets but same is not being followed.
- We have asked the management to make the procedure through which corresponding entry being responded within reasonable time so that the actual figures of the WIP and Creditors are being reflected in the books of accounts.

Information other than the financial statements and auditors' report thereon

The Company's board of directors is responsible for the preparation of the other information. The other information comprises the information included in the Board's Report including Annexures to Board's Report but does not include the financial statements and our auditor's report thereon.

Our opinion on the financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.





In connection with our audit of the financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained during the course of our audit or otherwise appears to be materially misstated. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Responsibilities of Management and Those Charged with Governance for the Standalone Financial Statements

The Company's Board of Directors is responsible for the matters stated in section 134(5) of the Companies Act, 2013 ("the Act") with respect to the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Company in accordance with the accounting principles generally accepted in India, including the accounting Standards specified under section 133 of the Act. This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding of the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.





In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

Those Board of Directors are also responsible for overseeing the Company's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from





fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances. Under section 143(3)(i) of the Companies Act, 2013, we are also responsible for expressing our opinion on whether the company has adequate internal financial controls system in place and the operating effectiveness of such controls.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.





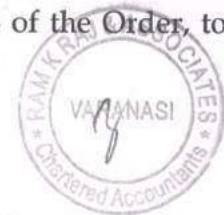
We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

Report on Other Legal and Regulatory Requirements

1. As required by the Companies (Auditor's Report) Order, 2016 ("the Order"), issued by the Central Government of India in terms of sub-section (11) of section 143 of the Companies Act, 2013, we give in the "Annexure A", a statement on the matters specified in paragraphs 3 and 4 of the Order, to the extent applicable.





2. As required by Section 143(5) of the Act, we have considered the directions/sub-directions issued by the comptroller and Auditor General of India, the action taken thereon are given in the "Annexure B".
3. As required by Section 143 (3) of the Act, we report that:
- We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit.
 - In our opinion, proper books of account as required by law have been kept by the Company so far as it appears from our examination of those books.
 - The Balance Sheet, the Statement of Profit and Loss and the Statement Cash Flows dealt with by this Report are in agreement with the books of account.
 - In our opinion, the aforesaid financial statements comply with the Accounting Standards specified under Section 133 of the Act, read with Companies (Indian Accounting Standards) Rules, 2015, as amended.
 - On the basis of the written representations received from the directors as on 31st March, 2020 taken on record by the Board of Directors, none of the directors is disqualified as on 31st March, 2020 from being appointed as a director in terms of Section 164 (2) of the Act.
 - With respect to the adequacy of the internal financial controls over financial reporting of the company with reference to these financial statements and the operating effectiveness of such controls, refer to our separate Report in "Annexure C".
 - With respect to the matter to be included in the Auditor's Report under section 197(16), In our opinion and according to the information and explanations given to us, the remuneration paid by the Company to its



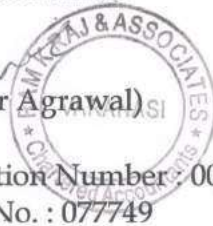


directors during the current year is in accordance with the provisions of section 197 of the Act. The remuneration paid to any director is not in excess of the limit laid down under section 197 of the Act. The Ministry of Corporate Affairs has not prescribed other details under section 197(16) which are required to be commented upon by us.

- h) With respect to the other matters to be included in the Auditor's Report in accordance with Rule 11 of the Companies (Audit and Auditors) Rules, 2014, in our opinion and to the best of our information and according to the explanations given to us:
- i. The Company has disclosed the impact of pending litigations as at March 31, 2020 on its financial position in its financial statements - Refer Para No.24(b) of Notes to Account.
 - ii. The Company did not have any long-term contracts including derivative contracts for which there were any material foreseeable losses.
 - iii. There were no amounts which were required to be transferred to the Investor Education and Protection Fund by the Company.

For RAMKRAJ & Associates
Chartered Accountants

(Manoj Kumar Agrawal)
Partner
Firm Registration Number : 002093C
Membership No. : 077749



Place : Varanasi
Date : 25th January, 2021

UDIN: 21077749AAAAAC8132



Annexure A to Independent Auditors' Report

Referred to in para 1 of Report on Other Legal and Regulatory Requirements of the Independent Auditors' Report of even date to the members of **Purvanchal Vidyut Vitran Nigam Limited, Varanasi** on the standalone financial statements as of and for the year ended March 31, 2020.

- (i) a) Whether the company is maintaining proper records showing full particulars, including quantitative details and situation of fixed assets

The Company has maintained proper records showing full particulars, quantitative details and situation of the fixed assets.

- b) Whether these fixed assets have been physically verified by the management at reasonable intervals; whether any material discrepancies were noticed on such verification and if so, whether the same have been properly dealt with in the books of account;

As informed by the Company, physical verification of the fixed assets has not been done at any level.

- (c) Whether the title deeds of immovable properties are held in the name of the company. If not, provide the details thereof;

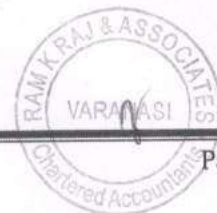
As reported by the zonal auditors, the title deed of immovable properties has not been provided for verification.

- (ii) a) Whether physical verification of inventory has been conducted at reasonable intervals by the management;

As reported by the zonal auditors, the physical verification has been conducted by the Company once after the end of the financial year at Stores Divisions only. However physical verification of stores has not been conducted at units / divisions.

- b) Are the procedures of physical verification of inventory followed by the management reasonable and adequate in relation to the size of the company and the nature of its business? If not, the inadequacies in such procedures should be reported;

Procedure of physical verification of inventory is followed by the management at store division level including their store centres. As





commented by the zonal auditors, the procedure of physical verification of inventory is not adequate. The proper record of inventory with proper classification and identification is not being maintained.

- c) Whether the company is maintaining proper records of inventory and whether any material discrepancies were noticed on physical verification and if so, whether the same have been properly dealt with in the books of account;

No material discrepancies have been noticed on physical verification of stores by the Stock Auditor during the reporting period in stores divisions and the discrepancies noticed were properly dealt with in the books. As reported by the zonal auditors, no physical verification has been conducted at distribution division level.

- (iii) Whether the company granted any loans, secured or unsecured to companies, firms, limited liability partnership or other parties covered in the register maintained under section 189 of the Act.

As informed to us, the company has not granted any loan, secured or unsecured to companies, firms or other parties covered in the register maintained under section 189 of the Act, therefore, clause (a), (b) and (c) of Para (iii) are not applicable.

- (iv) In respect of loans, investments, guarantees, and security whether provisions of section 185 and 186 of the Companies Act, 2013 have been complied with. If not, provide the details thereof.

As informed to us, the Company has not granted any loan, investment, guarantee and security, hence provisions of section 185 and 186 of the Companies Act, 2013 is not applicable.

- (v) In case, the company has accepted deposits, whether the directives issued by the Reserve Bank of India and the provisions of sections 73 to 76 or any other relevant provisions of the Companies Act, 2013 and the rules framed thereunder, where applicable, have been complied with? If not, the nature of such contraventions be stated; If an order has been passed by Company Law Board or National Company Law Tribunal or Reserve Bank of India or any court or any other tribunal, whether the same has been complied with or not?

As per information and explanations given to us, the Company has not accepted any deposit from the public. Therefore, clause (v) of the Order regarding the directives issued by the Reserve Bank of India and the provisions of sections 73





to 76 or any relevant provisions of the Act and the rules framed are not applicable.

- (vi) Where maintenance of cost records has been specified by the Central Government under sub section (1) of section 148 of the Companies Act, whether such accounts and records have been made and maintained;

The maintenance of cost record has been specified by the Central Government under sub section (1) of section 148 of the Companies Act, 2013. As per information provided to us records have been maintained but the same has not been examined by us, hence we are unable to comment upon the same. As reported by the zonal auditors, no cost record has been maintained at zonal level.

- (vii) (a) Whether the company is regular in depositing undisputed statutory dues including provident fund, employees' state insurance, income-tax, sales-tax, service tax, duty of customs, duty of excise, value added tax, cess and any other statutory dues to the appropriate authorities and if not, the extent of the arrears of outstanding statutory dues as on the last day of the financial year concerned for a period of more than six months from the date they became payable, shall be indicated;

According to information provided to us and reported by the zonal auditors, the Company is regular in depositing statutory dues except for TDS and GPF. No undisputed statutory dues are outstanding as at 31.03.2020 for the period exceeding six months from the date they became payable. Further, we are not able to comment upon the payment of electricity duty, which is adjusted by the UPPCL.

- (b) Where dues of income tax or sales tax or service tax or duty of customs or duty of excise or value added tax have not been deposited on account of any dispute, then the amounts involved and the forum where dispute is pending shall be mentioned.

Name of the Statute	Nature of dues	Amount (in crores)	Period to which the amount relates	Forum where the dispute is pending





According to information provided to us and reported by the zonal auditors, no information has been provided by the Company regarding disputed liability pending, if any. Hence, we are not able to comment on the same.

- (viii) Whether the company has defaulted in repayment of loans or borrowing to a financial institution, bank, Government or dues to debenture holders? If yes, the period and the amount of default to be reported

As per information provided to us, the Company has not defaulted in repayment of dues to the Financial Institutions or Banks in case of loans taken directly by the Company. However, in case of loans received through UPPCL, no records are available with the Company hence, we are not able to comment on the same.

- (ix) Whether moneys raised by way of initial public offer or further public offer (including debt instruments) and term loans were applied for the purposes for which those are raised. If not, the details together with delays or default and subsequent rectification, if any, as may be applicable, be reported;

As per information provided to us, the loan has been applied for the purpose for which it was obtained. No money has been raised by way of initial public offer or further public offer (including debt instruments).

- (x) Whether any fraud by the company or any fraud on the Company by its officers or employees has been noticed or reported during the year; If yes, the nature and the amount involved is to be indicated;

To the best of our knowledge and according to the information and explanations given to us, no fraud on or by the Company by its officers or employees has been noticed or reported during the year.

- (xi) Whether managerial remuneration has been paid or provided in accordance with the requisite approvals mandated by the provisions of section 197 read with Schedule V to the Companies Act? If not, state the amount involved and steps taken by the company for securing refund of the same;

According to the information and explanations given to us and based on our examination of the records of the company, the Company has paid/provided managerial remuneration in compliance of the provisions of section 197 read with Schedule V to the Act.





- (xii) Whether the Nidhi Company has complied with the Net Owned Funds to Deposits in the ratio of 1: 20 to meet out the liability and whether the Nidhi Company is maintaining ten per cent unencumbered term deposits as specified in the Nidhi Rules, 2014 to meet out the liability;

Not Applicable

- (xiii) Whether all transactions with the related parties are in compliance with sections 177 and 188 of Companies Act, 2013 where applicable and the details have been disclosed in the Financial Statements etc., as required by the applicable accounting standards;

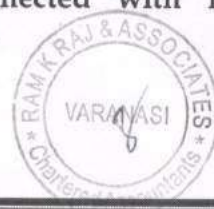
According to the information and explanations given to us and based on our examination of the records of the Company, transactions with the related parties are in compliance with sections 177 and 188 of the Act where applicable and details of such transactions have been disclosed in the financial statements as required by the applicable accounting standards.

- (xiv) Whether the company has made any preferential allotment or private placement of shares or fully or partly convertible debentures during the year under review and if so, as to whether the requirement of section 42 of the Companies Act, 2013 have been complied with and the amount raised have been used for the purposes for which the funds were raised. If not, provide the details in respect of the amount involved and nature of non-compliance;

According to the information and explanations given to us, the Company has not made any preferential allotment or private placement of shares pursuant to section 42 of the Companies Act, 2013, however company has issued fully paid up equity shares on right basis pursuant to section 62 of the Companies Act, 2013 after making due compliance in the regards.

- (xv) Whether the company has entered into any non-cash transactions with directors or persons connected with him and if so, whether the provisions of section 192 of Companies Act, 2013 have been complied with;

According to the information and explanations given to us and based on our examination of the records of the Company, the Company has not entered into non-cash transactions with directors or persons connected with him. Accordingly, paragraph 3(xv) of the Order is not applicable.

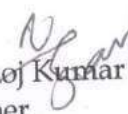


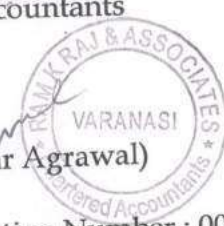


(xvi) Whether the company is required to be registered under section 45-IA of the Reserve Bank of India Act, 1934 and if so, whether the registration has been obtained.

The Company is not required to be registered under section 45-IA of the Reserve Bank of India Act 1934

For RAMKRAJ & Associates
Chartered Accountants


(Manoj Kumar Agrawal)
Partner
Firm Registration Number : 002093C
Membership No. : 077749



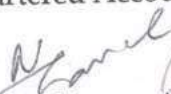
Place : Varanasi
Date : 25th January, 2021



Annexure "B" to Independent Auditors' Report
As referred in para 2 of Report on Other Legal and Regulatory Requirements

Sl. No.	Direction under Section 143(5) of the Companies Act, 2013	Action Taken
1	Whether the company has system in place to process all the accounting transaction through IT system? If yes, the implications of processing of accounting transaction outside IT system of the integrity of the accounts along with the financial implications, if any may be stated.	Zone has maintained all records and documents manually. It is suggested that a strong and effective ERP System must be implemented in the organisation so that manual intervention is to be reduced.
2	Whether there is any restructuring of any existing loan or cases of waivers / write off of debts / loan / interest etc. made by lender to the company due to the company's inability to repay the loan, if yes, the financial implication may be stated.	As explained to us there are no such cases of restructuring of an existing loans or cases of waiver/write off of debts/loans/interest, etc.
3	Whether fund received / receivable for specific schemes from central/state agencies were properly accounted for/ utilised as per its terms and conditions? list the cases of deviations.	According to information and explanation given to us, the fund received for specific scheme from central/state agencies are kept in earmarked account and utilized for the specific purpose as per the terms and conditions. These are being monitored through PFMS portal.

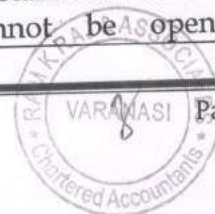
For RAM K RAJ & Associates
Chartered Accountants


(Manoj Kumar Agrawal) ASI
Partner
Firm Registration Number : 002093C
Membership No. : 077749

Place : Varanasi
Date : 25th January, 2021




Sl. No.	Sub- Direction under Section 143(5) of the Companies Act, 2013	Action Taken
1	Has the company entered into agreements with franchise for distribution of electricity in selected areas and revenue sharing agreements adequately protect the financial interest of the company?	No
2	Report on the efficacy of the system of billing and collection of revenue in the company.	<p>As informed by the management, in the town of RAPDRP billing is done through hand held billing machine and its collection is online. Internet banking facility for depositing the bills of electricity is also available to consumers.</p> <p>In rural areas metered and unmetered both type of the consumers are being billed through computer billing system and prepared bills are distributed amongst the consumers by the department or in some case through hired agencies.</p> <p>Collection of revenue against these bills is being done through manual mode at the sub-stations, online collection facility, CSC/VLE, EPOS, PDS and sometimes to give the facility to the rural consumer, collection camps are organised by the department.</p> <p>Overall the system of billing is satisfactory but collection of revenue in the company is not much satisfactory.</p>
3	Whether tamper proof meters have been installed for all consumers? If not then, examine how accuracy of billing is ensured.	As informed by the management, Meter installed at consumer premises are all tamper proof. Now company has also started installation of such meters which cannot be opened





		<p>without breaking meter box and these meters have no provision of re- sealing.</p> <p>This has further added security of meters and to avoid any type of tampering which may lead to pilferage.</p> <p>In addition to above, a regular checking is done for all the meters to avoid tampering and pilferage. In case of large and heavy consumers AMR and MRI based billing is ensured and billing accuracy of the billing to the extent of feasibility and possibility.</p>
4	<p>Whether the reconciliation of receivables and payables between the generation, distribution and transmission companies has been completed. The reasons for difference may be examined.</p>	<p>Yes, the reconciliation of receivables and payables between the generation, distribution and transmission companies are complete.</p>
5	<p>Whether the Company is supplying power to franchisees, if so, whether the company is not supplying power to franchisees at below its average cost of purchase.</p>	<p>No</p>

For RAM K R A J & Associates
Chartered Accountants


(Manoj Kumar Agrawal)
Partner

Firm Registration Number : 002093C
Membership No. : 077749

Place : Varanasi
Date : 25th January, 2021



Annexure 'C' to Independent Auditors' Report

Referred to in para 3(f) of Report on Other Legal and Regulatory Requirements of the Independent Auditors' Report of even date to the members of Purvanchal Vidyut Vitran Nigam Limited, Varanasi on the standalone financial statements for the year ended March 31, 2020.

Report on the Internal Financial Controls under Clause (i) of Subsection 3 of Section 143 of the Act

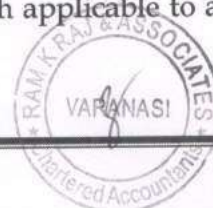
1. We have audited the internal financial controls over financial reporting of Purvanchal Vidyut Vitran Nigam Limited, Varanasi ("the Company" - wholly owned subsidiary of U.P. Power Corporation Limited, Lucknow) as of March 31, 2020 in conjunction with our audit of the standalone financial statements of the Company for the year ended on that date.

Management's Responsibility for Internal Financial Controls

2. The Company's management is responsible for establishing and maintaining internal financial controls based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Controls Over Financial Reporting issued by the Institute of Chartered Accountants of India (ICAI). These responsibilities include the design, implementation and maintenance of adequate internal financial controls that were operating effectively for ensuring the orderly and efficient conduct of its business, including adherence to company's policies, the safeguarding of its assets, the prevention and detection of frauds and errors, the accuracy and completeness of the accounting records, and the merely preparation of reliable financial information, as required under the Act.

Auditors' Responsibility

3. Our responsibility is to express an opinion on the Company's internal financial controls over financial Reporting based on our audit. We conducted our audit in accordance with the Guidance Note on Audit of Internal Financial Controls Over Financial Reporting (the "Guidance Note") and the Standards on Auditing deemed to be prescribed under section 143(10) of the Act to the extent applicable to an audit of internal financial controls, both applicable to an audit





of internal financial controls and both issued by the ICAI. Those Standards and the Guidance Note require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether adequate internal financial controls over financial Reporting was established and maintained and if such controls operated effectively in all material respects.

4. Our audit involves performing procedures to obtain audit evidence about the adequacy of the internal financial controls system over financial Reporting and their operating effectiveness. Our audit of internal financial controls over financial Reporting included obtaining an understanding of internal financial controls over financial Reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error.
5. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the Company's internal financial controls system over financial Reporting.

Meaning of Internal Financial Controls over Financial Reporting

6. A company's internal financial control over financial Reporting is a process designed to provide reasonable assurance regarding the reliability of financial Reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal financial control over financial Reporting includes those policies and procedures that:

(a) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company;

(b) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorisations of management and directors of the company; and





(c) provide reasonable assurance regarding prevention or merely detection of unauthorised acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

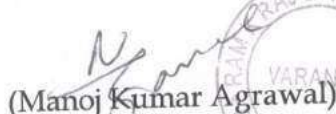
Inherent Limitations of Internal Financial Controls over Financial Reporting

7. Because of the inherent limitations of internal financial controls over financial Reporting, including the possibility of collusion or improper management override of controls, material misstatements due to error or fraud may occur and not be detected. Also, projections of any evaluation of the internal financial controls over financial Reporting to future periods are subject to the risk that the internal financial control over financial Reporting may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Opinion

8. In our opinion, the Company has, in all material respects, an adequate internal financial controls system over financial Reporting and such internal financial controls over financial Reporting were operating effectively as at March 31, 2020, based on the internal control over financial Reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Controls over Financial Reporting issued by the Institute of Chartered Accountants of India.

For RAMKRAJ & Associates
Chartered Accountants


(Manoj Kumar Agrawal)
Partner

Firm Registration Number : 002093C
Membership No. : 077749

Place : Varanasi
Date : 25th January, 2021



Annexure - I

We invite special attention to our qualifications/ limitations/ exceptions as under:-

I. The Company is maintaining mainly Cash Book as primary book and four sectional journals i.e. SJ-1, SJ-2, SJ-3 and SJ-4. There are no control ledgers in the system of accounting. They have been maintained on the same pattern as followed earlier by its holding company i.e. U.P. Power Corporation Limited. All the Zones have also commented on the need of preparation of Balance Sheet and Profit & Loss Account at Zone Level. The same can be achieved through ERP System and it should be implemented.

II. SHARE CAPITAL

- (a) Funds Received from Holding Company, U.P. Power Corporation Limited, under Equity have been accounted for under share application money pending for allotment. The nature and extent of the same is decided by U.P. Power Corporation Limited.
- (b) The Share application money of Rs.2,707.69 Crores pending for allotment of financial year 2018-2019 has been converted into Share Capital by way of issuance of 2,70,76,927 shares of Rs.1000/- each during the year.
- (c) Share application money received during the year amounting to Rs.859.01 crores represent funds received under allocation of funds to Company under "Equity" from U.P. Power Corporation Limited. The details are:-

Sl. No.	Particular	Amount (Rs. in Crore)
	<u>Through Cash</u>	
1	Business Plan	362.85
2	PTW	6.34
3	IPDS	2.55
4	Under Ground Cable Work	22.44
5	VAT Under RGGVY	21.96
6	Capacitor Bank	22.81
7	SAUBHAGYA	137.12
	Total Cash	576.07
	<u>Through Adjustment</u>	

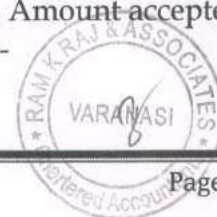


1	RGVY (Against direct Releases to Discom)	153.98
2	DDUGJY (New)	79.24
3	DDUGJY (Addl. Infra)	21.00
4	IPDS	28.72
	Equity through Adjustment	282.94
	Total Equity Released during the year	859.01

- (d) Share application money pending for allotment has not been considered as per weighted average number of equity shares for the purpose of calculation of basic and diluted earnings as per para 43 of Ind AS-33.
- (e) An amount of Rs.246.00 has been shown as Restructuring Reserve in Balance Sheet under "Reserve & Surplus", whereas as per Final Transfer Scheme, it is adjustment of difference due to R/o.

III. BORROWINGS

- (a) Interest on unsecured loan taken through holding company i.e. UPPCL is recognized as and when the same is advised by UPPCL.
- (b) The details of securities offered for various loans from banks and financial institutions procured by UPPCL are available with UPPCL, hence we are not able to comment upon the classification of loans by the company under secured and unsecured loans in the Balance Sheet. As far as loan taken from REC directly by PuVVNL are concern they are secured against hypothecation of sub-stations and loan taken from PFC which has been shown as unsecured as there is no tangible security and it is secured by State Government guarantee.
- (c) Interest has not been provided on loans from NOIDA during the reporting period. Further, the loan has been continuing since last several years but the same has been classified under Short Term Borrowings as it is a demand loan.
- (d) The evidence regarding the nature, terms and conditions and repayment schedule of following loans taken through UPPCL during the reporting period by the Company is available with UPPCL. The same has been accounted for on the basis of advice received from UPPCL. Amount accepted during the reporting period through UUPCL are as under :-





Sl. No.	Institutions	Amount (Rs. in Crore)
1	REC	180.00
2	PFC	685.00
	Total	865.00

- (e) The Repayment of following loans has been made by holding company i.e. UPPCL and the same has been accounted for by the Company as per advice of UPPCL.

Sl. No.	Particulars	Amount (In Crores)
1	REC	194.09
2	PFC	182.20
3	Int. free loan under UDAY	1,089.75
4	9.75% Rated Bond	139.55
5	10.15% Rated Bond	107.69
	Total	1,713.28

IV. CURRENT LIABILITIES

- (a) The Company has provided interest on G.P.F. liability for Rs. 17.79 Crores during the year under audit. The liability towards G.P.F. and C.P.F. Trust shown in the Balance Sheet and interest provided on late payment is subject to reconciliation with Trust accounts.
- (b) The company has made provision for leave encashment and Gratuity (CPF employees) as per the Actuarial Valuation report dated 24.12.2020.

V. PROPERTY, PLANT & EQUIPMENT

- (a) As reported by the Zonal Auditors, the Company has maintained the proper records showing full particulars, including quantitative details and situation of fixed assets.
- (b) Identification marks have been placed on most of the fixed assets but it needs improvement at zonal level.
- (c) As reported by the Zonal Auditors, Physical verification of fixed assets has not been conducted by the management.



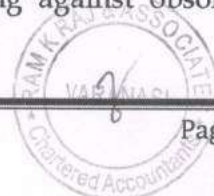
- (d) In Para IV of Significant Accounting Policies, it has been mentioned that depreciation on value of additions to/ deductions from fixed assets during the year is charged on Pro rata basis.
- (e) The Company has categorized cost of bay construction for 33/11 KV substation under "Assets not in possession of Purvanchal Vidyt Vitran Nigam Limited" and disclosed the same under "Property, Plant & Equipment" in the Balance Sheet.
- (f) As per Para 4(c) of Notes on Accounts, the Life of assets has been taken as per life decided by UPREC Regulations, 2014 for calculating depreciation and residual value of assets has been taken at 5% of the cost of assets as per para IV(c) of significant accounting policy except in case of temporary erections/constructions.

VI. OTHER NON CURRENT ASSETS

- (a) An amount of Rs. 476.46 crores (Net of Provisions) represents advance to suppliers /Contractors (Capital) which has no details with name and age wise break up. Out of Rs. 476.46 crores (Net of Provisions) there is no movement in AG code 25.1, and 25.6 amounting to Rs. 0.21 crores which needs immediate attention of management.

VII. STORES & SPARES

- (a) The Company has carried out valuation of stores lying at store divisions as on 31/03/2020 by an independent Firm. In valuation report, the ABC classification of stores done by the Nigam has been adopted. As per Zonal Auditors' Report, the physical verification of stock and its valuation has not been done in any division of Zones. This practice is in deviation of Ind AS -2 "Inventories" issued by the Institute of Chartered Accountants of India (ICAI).
- (b) Stock shortage/ excess pending investigation amounting to Rs.96.83 Lacs is outstanding as on 31/03/2020. In absence of proper information we are unable to comment upon its nature and proper accounting.
- (c) No movement analysis is available to categorize fast moving, slow moving, non-moving and dead stock items.
- (d) No provision for obsolete, unserviceable stores and spares has been made. An old provision amounting to Rs.62.97 Crores is lying against obsolete stores since 2003 under Final Transfer Scheme.





VIII. TRADE RECEIVABLES

- (a) The basis of classification of trade receivables into secured, unsecured and doubtful debts is not proper. Security money received from various customer has been treated as secured Debtors.
- (b) Customer-wise and age-wise analysis of trade receivables is not available. There is a staggering increase in the level of trade receivables from year to year. During the year revenue from Sale of Power is Rs. 11,641.41 Crore whereas total Trade Receivable is Rs. 29,681.28 Crore which is higher than cumulative figure of last 2 years revenue from Sale of Power also (11,641.41+11,036.93= 22,678.34). In other words Trade Receivables are more than 2 years old. Provision for Doubtful Debt to the tune of 5% on incremental debtors is not sufficient. It is not feasible to identify and quantify the amount which is unrecoverable but it needs a serious perusal and provision.

IX. CASH & CASH EQUIVALENTS

- (a) With respect to bank accounts, though BRS has been prepared, a long list of outstanding entries are being carried forward from last many years and even the un-cashed/stale cheques and other entries pertaining to revenue accounts have been shown outstanding and not accounted for in the cash book. As reported by the Zonal Auditors also, the cumulative amount of such entries is in several crores. There are many entries which has been wrongly debited by the bank twice which has not been rectified by the bank.
- (b) In almost all the banks flexi fix facility is available but there are huge balances in current account and amount has not been transferred by the bank to flexi fix account which is resulting into loss of interest.

X. OTHER CURRENT ASSETS

- (a) An amount of Rs. 83.87 Crores represents receivable from employees, ex-employees. The Company has made the provision for doubtful advance @ 10%. Non-recovery will adversely effects the statement of Profit & Loss of company to that extent. Further this should be classified as non-current assets just like Advance to Suppliers & Contractors.





XI. PROFIT AND LOSS

- (a) Revenue from Sale of Power is Rs. 11,641.41 Crore in comparison to Cost of Electricity Purchased and Transmission Charges of Rs.13,723.22 Crore. Which is resulting into Gross Loss of Rs.1,081.81 Crore.

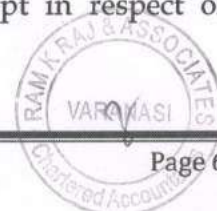
Zone	Electricity Supplied (Unit in MU)	Electricity Received (Unit in MU)	Electricity Billed (Unit in MU)
Varanasi	26651.592	6933.265	5771.564
Mirzapur		2525.924	2176.909
Allahabad		6797.821	5210.920
Azamgarh		4231.940	3322.928
Gorakhpur		4352.128	3608.068
Basti		1443.048	1146.875
Total			26284.126
%	100%	98.62%	79.68%
Last Year		99.38%	79.51%

- (b) The above chart clearly shows that the distribution loss is around 20% which is resulting into the Gross Loss of the Company.
- (c) Delay payment charges are recognised on cash basis.

XII. COMPLIANCES

The Company has not complied with the following requirements of schedule - III of the Companies Act, 2013 and the Accounting Standards issued by ICAI.

- (a) The Company has not fully complied with the provisions of section 42 of the Companies Act, 2013 as well as The Companies (Acceptance of Deposits) Rules 2014 relating to Share Application Money pending Allotment.
- (b) There is no system at Zones and ESDs of the Company to prepare the Balance Sheet and Statement of Profit and Loss. The Zonal auditors have only been provided Trial Balances (MTB) for the purpose of their audit.
- (c) The Company is following all the norms under Ind AS - 2 "Inventories" in respect to all Store Divisions and its store centres except in respect of Distribution Divisions.





- (d) As reported by the management there is no Contingencies and events occurring after the Balance Sheet date.
- (e) As informed to us, the Company has been maintaining all the prescribed register as required under section 189 of the Companies Act, 2013.
- (f) The Company has disclosed contingent liabilities to the tune of Rs. 158.36 Crore at para 24(b) of Notes to Account of Balance Sheet. Since, the status of contingent liability has not been provided to us, we are unable to comment upon the provision required as per Ind AS-37.

XIII. MISCELLANEOUS

- (a) Balance in certain Banks and Loan & Advance accounts are subject to confirmation and reconciliation and consequent adjustments, if any.
- (b) The Inter unit balance has not been reconciled due to which net amount of Rs.1,376.66 Crores having debit balance has been shown as Inter unit transfers in the Balance Sheet.
- (c) Title deeds in respect of immovable properties (Note - 4(a) of Notes to Accounts) were not made available for verification.
- (d) There are odd closing balances appearing in AG codes i.e. debit balances in liabilities and credit balances in assets. The details are given in **Schedule - A**.
- (e) Liability for purchase of power has been provided on the basis of details/bills made available by UPPCL.
- (f) In case of advances under T.I. and P.I. and adjustment thereof amount outstanding was 348.64 Lac. It needs serious perusal and timely settlement.
- (g) The nature and extent of capital and revenue grant is decided and accounted for in books of account as per advice of its Holding Company, UPPCL.
- (h) Consumer contribution received towards cost of capital assets are treated initially as capital receipts and are accounted for in capital reserve and subsequently amortized in the proportion in which depreciation on related asset is charged.





XIV. Material observation other than above as made by the Zonal Auditors of the respective Zones / Units is given hereunder:-

(i) In Azamgarh Zone it has been observed that:-

1. As per past practice of U.P. Power Corporation Ltd., the Zone prepares only the trial balance at Zonal Level, therefore, the Zone, Azamgarh has prepared only trial balance as on 31st March 2020 and not prepared Balance Sheet and Profit & Loss Account.
2. The Company appointed Valuer who has submitted his report for Store Divisions and Valuation of inventory at division level is yet to start.
3. **Position of Bank Balances and Bank Reconciliation Statement (BRS):-**
All Bank Reconciliation is completed and up to date. In Bank reconciliation statement of revenue account of some distribution division there are huge Other debit and Other Credits which needs proper reconciliation and accounting of the same.
4. **Receivable Against Supply of Power**
 - a. The position of outstanding against supply of power is very high at the units and we found that realization against revenue is not up to mark. There is staggering increase in the level of outstanding from year to year which has grown substantially.
 - b. No details of outstanding, customers wise and year wise is maintained physically at the unit but we have been stated that such record can be viewed with user id of authority as all reports are online.
 - c. We are of the opinion that a huge sum may not be recoverable and the doubtful debts will be considerably high against the total outstanding shown as per books of account. The outstanding amount should be properly scrutinized and non-recoverable and bad & doubtful amounts be ascertained and necessary provision should be made in the books of accounts.
5. **Advances Against Employees**
During audit it was noticed that in almost every unit, huge amount is shown as outstanding against materials. It was also noted that material have been debited to the account of JE's and they have submitted the detail of consumption and balance of stock.
6. There is delay in return of used revenue receipt books. There are various used revenue receipt books which are returned late. Used Revenue Receipt Books which are even returned and even not kept properly.



7. Balances of personal accounts of advances, deposits, loans, creditors, securities etc. are subject to confirmation/realization. Most of them are unrealizable due to pending since long.
8. Since the work register being incomplete, the amount debited in capital work in progress is not verifiable.

(ii) In Varanasi Zone it has been observed that:-

1. Sundry Debtors:

1.1 A huge amount is outstanding in Sundry Debtors for which no details are available at the Zone. The management has failed to provide the consumer-wise and age-wise breakup of the same. Hence, we are unable to comment the genuineness of the amount outstanding and provision required for bad and doubtful debts. Since, details are not available, we are not in a position to give ultimate impact of the same on the financial statement of the Zone.

1.2 The Receivable against consumer has been increasing considerably from year to year, therefore, it is strongly recommended that there should be a detail analysis of year wise & category wise consumer so that the unrecoverable amount of Debtor and bad & doubtful debt be ascertained and necessary provision should be made in the books of account.

2. Advance to Contractor

A huge amount is outstanding against advance to contractors which is accounted under AG code 25. We have not been provided the name and date wise details of advances given, hence we are unable to comment upon the same.

3. Bank Reconciliation Statement

3.1 The overall position of Bank Reconciliation (BRS) is not satisfactory in most of the Divisions. Many entries pertaining to Stale Cheques, Bank Charges, unidentified credits in Bank accounts etc. are outstanding in BRS since long.

3.2 In almost all the divisions, proper accounting of auto sweep accounts have not being done and reconciled. Further, interest accrued on auto sweep account has not been ascertained and accounted for in books of accounts.

3.3 On pursuing through the long pending entries in BRS which pertains to revenue and expenses also, the very purpose of preparation of BRS is being defeated. Since, details are not available, we are not in a position to give ultimate impact of the same on the financial statement of the Zone.



4. Party-wise details of sundry creditors not maintained except for Varanasi Stores Division. Since, details are not available, we are not in a position to comment upon the same.
5. As per corporation rules/regulations JE TI / TA opened during the year, must be closed within the year. We have observed that huge amount is outstanding in TI of earlier years.
6. Inter Unit Balance : The Inter-unit balances has not been reconciled. We have observed that there is a huge amount of ATD pending for the acceptance from the preceding years. The practice of regular acceptance of ATD is not being carried out by the units.
7. TDS : Total demand of Rs. 21.50 Lacs is pending for TDS defaults in various units of Varanasi Zone.

(iii) In Gorakhpur Zone it has been observed that:

1. As per past practice of U.P. Power Corporation Ltd., the Zonal Office prepares only the trial balance at Zonal Level, therefore, the Zonal Office, Gorakhpur has prepared only trial balance as on 31st March, 2020 and not prepared Balance Sheet and Profit & Loss Account.
2. Bank Reconciliation Statement (B.R.S) contains a long list of outstanding which are carried forward since long. The same should be cleared within a specified time frame.
3. Differences in Bank Reconciliation Statement:-
It was found that there are huge differences in Bank Reconciliation Statements. Major reasons for these differences are:-
 - a. There are very old outstanding entries which are pending for reversal up to 31.03.2020.
 - b. Amount Transferred to HO/CAO, Lucknow less shown in Cash Book in various months and in many cases the amount transferred has not been shown in the unit account.
 - c. Most of the Bank reconciliation has been prepared with opening differences, which is not correct. The bank reconciliation should have been prepared after taking in to account the opening entries pending relating to earlier years in the bank reconciliation.

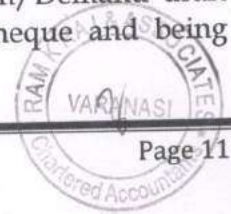




4. Receivable Against Supply of Power
 - a. The position of outstanding against supply of power is still high at the units and we found that realization against revenue is still not satisfactory. There is a staggering increase in the level of outstanding from year to year which has grown substantially.
 - b. The Customer wise and age wise analysis of Trade receivable is not available. It is advised that the outstanding amount be properly scrutinized and non-recoverable and bad & doubtful amounts be ascertained and necessary provision should be made in the books of accounts.
 - c. There are many cheques related to F.Y.2019-20 and earlier years, which has been dishonoured and has not been collected by bank. The amount has not been reversed and consequently, the balance of bank and power receivables, both are not showing true amount.
 - d. There is huge difference between Amount of Debtors of Distribution Units that appears in the online data base of the company and that appears in the trail balance of the units.
5. Advances Against Employees

During audit it was noticed that in almost every unit huge amount is shown as outstanding against cash and also against materials. The amount is quite significant in some of the units and outstanding in crores.
6. Advances as T.I./P.I. to Staff and Adjustment thereof

We observed that a substantial amount is given to the employee's as T.I./P.I. at each of the unit. We have also found at the units, that unadjusted advances are lying with the units which are quite substantial and outstanding for many years.
7. Quarterly Returns (24Q& 26Q) of TDS are not filed timely by some of the units. TDS were not timely deposited/ not collected at some units.
8. We have noted that proper provision for expenses is not made for the relevant year.
9. Remittance of cash into bank is not done within the prescribed time at the distribution units. Cash is usually deposited into bank after delay 2-5 days.
10. Balances of personal accounts of advances, deposits, loans, creditors, securities etc. are subject to confirmation/realization.
11. This is the established practice to accept payment in cash/Demand draft only in case the payment, which previously made in cheque and being





dishonour. But it is observed that again cheque has been received against dishonour.

12. We have not been provided the firm wise advances made to contractor which is accounted under AG Code 25.

(iv) In Prayagraj Zone it has been observed that:

1. Bank Reconciliation Statement

1.1 There is considerable difference in Bank Balance as per Cash Book and Balance as per Bank Statements, due to large number of old outstanding entries, stale cheques, and Bank Charges, which are not adjusted in Cash Book, which needs to be rectified and entered under appropriate heads, so as to reflect the true position of Accounts.

1.2 In our opinion, due to non-booking of Revenue collection through NEFT/RTGS in EDD 3 Khaga and EUDD Kalyani, position of 'Receivable from Customers' as well as Bank Balances does not reflect the true picture, as the same have already been deposited by the customers in the bank accounts.

2. As per Rules TI opened during the year should be nullified at the year end. On our observation, we noticed that TI's in certain units remained opened at the end of the year.

3. Advance to Supplier

Balance of Rs.212018208.18 is appearing under the head AG 25, which needs to be examined and appropriated accordingly.

4. Inter Unit Balance : Inter-Unit Accounts are not reconciled due to non-acceptance of transfer advices since long time.

(v) In Basti Zone it has been observed that:

1. Bank Reconciliation Statement (B.R.S) contains a long list of outstanding cheques which are carried forward since long. In our opinion a time frame is to be made to reconcile it and proper guideline to be issued either it's write off or adjustment in books.

2. Some units has not maintained the register for earnest money/security deposit from contractor which may pose difficulty at the time of payment.



3. In almost all units it was observed that there was a major lapse in making payment to contractors. Payment was made without obtaining TAX INVOICE (GST BILL).
4. Receivable Against Supply of Power
 - 4.1 The position of outstanding against supply of power is still high at the units and we found that realization against revenue is still not satisfactory. Trade receivables requires detailed analysis and necessary doubtful debts provision should be accounted for in books of accounts.
 - 4.2 The Customer wise and year wise outstanding debtors amount realized is not provided to us.
5. Advances against employees

During audit it was noticed that some of the unit shown as outstanding against material. The amount is quite significant in some units and outstanding in crores.
6. Advances as T.I/P.I. to Staff and Adjustment thereof

Substantial amount is given to the employees' as TI/PI at each of the unit and should be closed as per the prevailing circular of the Corporation but certain units not closed the TI which is open earlier year/during the year and still pending as on 31st March, 2020.
7. Inter Unit Balance : The confirmation of inter unit account balance is not available at some of the units and in absence of the confirmation the inter unit balances shown as per MTB remains unverified. The reconciliation for the same has also not been prepared.
8. We observed that at some units MB was issued to various JE's since long time but was not deposited back to the units till date. It was observed that some JE's were transferred from the unit without submitting MB and no dues were also issued from the unit.
9. This is the established practice to accept payment in cash/Demand draft only in case the payment, which previously made in cheque and being dishonour. But it is observed that again cheque has been received against dishonour.

(vi) In Mirzapur Zone it has been observed that:

1. Matching of subsidiary consumer ledger with Books of accounts



Company has maintained separate consumer ledger at UPPCL portal. Master data of these from RAPDRP portal is also provided to us, which shows substantial difference in comparison to MTB data.

2. Bank Reconciliation Statement

- 2.1 The zone has prepared the bank reconciliation statement for the year under audit. However, there are opening un-reconciled balances lying in the units. Further there are many divisions which have not provided the BRS.
- 2.2 On pursuing through the long pending entries in BRS which pertains to revenue and expenses also, the very purpose of preparation of BRS is being defeated. Since, details are not available, we are not in a position to give ultimate impact of the same on the financial statement of the Zone.

3. Advances as T.I/P.I. to Staff and Adjustment thereof

We have also found at the units, that unadjusted advances are lying with the units which are quite substantial and outstanding for many years.

4. Amount disclosed as outstanding against suppliers could not have been verified in absence of required documents in the distribution units of the zone. However, in the store division a monthly liability register is being maintained for the purchase of material in computerised format. A huge amount of liability for the purchasing of materials (Capital/O & M) due to not accounting of IUT of the circle and DISCOM HQ.
5. There are several court cases pending with the units. A list of the pending court cases has been Annexed with report. The management should expedite the process of resolving the same.
6. Issuing of ATD and thereafter its acceptance for the damaged material/transformer and repaired material/transformer is not being done on a regular basis by the units. Therefore, a huge amount of IUT is showing in the account for its issuance and acceptance.

XV. We are unable to quantify the cumulative impact of our observations given herein above on the statement of affairs.

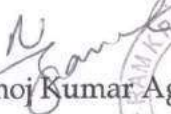
XVI. The financial statements have been reviewed by the Audit Committee on 18.01.2021 before submission to the Board as required under section 177 of the Companies Act, 2013. As informed to us, an audit committee comprising Chairman of PuVVNL who shall be the Chairman of UPPCL, MD of PuVVNL, Director (Finance) of UPPCL, Director (Finance) of PuVVNL, and



Company Secretary. The Audit Committee has not framed any policy related to review of the Internal Audits and Control, Quarterly Review Audit etc.

XVII. The observation contained in the Audit Reports on the accounts of Varanasi, Azamgarh, Gorakhpur, Prayagraj, Basti and Mirzapur Zones audited by Zone auditors have been appropriately dealt with while preparing our report.

For RAM K R A J & Associates
Chartered Accountants



(Manoj Kumar Agrawal)
Partner
Firm Registration Number : 002093C
Membership No. : 077749

Place : Varanasi
Date : 25th January, 2021



Schedule - A					
ODD CLOSING BALANCES IN AG CODES					
ASSETS HAVING CR BALANCE			LIABILITIES HAVING DR BALANCE		
AG	Amount in (Rs.)		AG	Amount in (Rs.)	
14	64	3470137.60	12	8	1215401.25
14	66	11884414.08	12	740	367203.47
14	80XX	2842703.81	42	2	42292483.35
14	85Y	18775087.56	44	123	252720.00
22	64	4235812.82	44	220	12977048.00
22	720	3530254.41	44	310	2097784.20
22	730	4338000.00	44	320	2246606.40
22	760	304898186.00	44	350A	1759221.00
22	770	48453724.84	44	412	11599054.04
23	2	20600141.00	44	501	724797.79
23	3	1694382819.98	44	505	8012006.64
23	509	2382027.00	44	507	40834393.26
23	705	28276013.00	44	508	780000.00
24	308	17878701.10	44	521	1463387.00
24	317	363202.70	44	623	3452503.00
24	319D	4107082.97	46	104R	40917.00
24	329	111549.00	46	121	79826.95
24	409B	373045783.13	46	2	114111194.37
24	409C	7870314.26	46	03	10485720.03
27	101	1907120.55	46	81	171350.00
27	102	76890.00	46	917	123.00
27	103	273479.00	46	928	2428600.84
27	201	62278.00	46	929A	2823365.00
28	104	45771.69	46	94101	13219664.14
28	724	118237.00	46	94102	11247414.65
28	744	111262.00	46	99401	63510.00
28	862	282751.00	47	101	152643.70
28	882	29722.00	47	403	3885660.66
			47	409	99075.96
			48	105	23692829.00
			48	304	8089424.76
			57	122	427469.99
			57	123	829753.74
			57	140	211668.00

For RAM K RAJ & Associates
Chartered Accountants


(Manoj Kumar Agrawal)
Partner
Firm Registration Number : 002093C
Membership No. : 077749
Place : Varanasi
Date : 25th January, 2021



PURVANCHAL VIDYUT VITRAN NIGAM LIMITED



BALANCE SHEET

As at

31.03.2020

&

STATEMENT OF PROFIT & LOSS

FOR THE PERIOD FROM

01.04.2019

To

31.03.2020

Regd. Office: Vidyut Nagar, Bhikharipur, D. L. W., Varanasi

CONTENT

Sl. No.	PARTICULARS
1	Balance Sheet
2	Statement of Profit & Loss Account
3	Statement of Cash Flow
4	Statement of Changes in Equity
5	Significant Accounting Policies (1-A)
6	Notes to Accounts (1-B)
7	Notes (Part A Note 2-25)

Purvanchal Vidyut Vitran Nigam Limited
(A wholly owned Subsidiary Company of U.P. Power Corporation Limited)
VIDYUT NAGAR, BHIKHARIPUR, D. L. W., VARANASI



Balance Sheet as at 31st March, 2020

(₹ in Lakhs)

Sl. No.	Particulars	Note no.	As at 31st March, 2020	As at 31st March, 2019
I	ASSETS			
1	Non-Current Assets			
	(a) Property, Plant and Equipment	2	1,532,935.43	1,020,994.03
	(b) Capital work-in-progress	3	261,361.94	594,585.18
2	Current Assets			
	(a) Inventories	4	83,580.48	82,572.57
	(b) Financial Assets			
	(i) Trade receivables	5	2,722,555.16	2,409,803.68
	(ii) Cash and cash equivalents	6	91,339.66	115,933.57
	(iii) Bank balances other than Cash and Cash Equivalent	7	71.00	73.93
	(iv) Others	8	149,400.81	157,044.67
	(c) Other current assets	9	138,830.87	194,787.69
	Total Assets		4,980,075.35	4,575,795.32
II	EQUITY & LIABILITIES			
	Equity			
	(a) Equity Share Capital	10	1,921,278.97	1,599,079.91
	(b) Other Equity	11	(1,158,998.17)	(934,586.98)
	Liabilities			
1	Non-Current Liabilities			
	(a) Financial Liabilities			
	(i) Borrowings	12	1,369,282.81	1,485,008.51
	(ii) Other Financial Liabilities	13	68,658.73	59,990.60
2	Current Liabilities			
	(a) Financial Liabilities			
	(i) Borrowings	14	4,299.45	4,299.45
	(ii) Trade payable	15	1,929,352.62	1,547,207.77
	(iii) Other Financial Liabilities	16	846,200.94	814,796.06
	Total Equity and Liabilities		4,980,075.35	4,575,795.32

Company Information & Significant accounting policies **1A**
Notes to Accounts **1B**
The accompanying Notes 1 to 25 form integral part of Financial Statement

For and on behalf of Board of Directors of
Purvanchal Vidyut Vitran Nigam Limited

Chief Financial Officer

Company Secretary

Director (F)
DIN :- 05135780

Managing Director
DIN :- 08918373

Signed in terms of our report of even date.

For RAM K RAJ & ASSOCIATES
Chartered Accountants
(Firm Registration No. 002993C)

CA Manoj Kumar Agrawal
(Partner)
Membership No. 077749

Place: Varanasi
Date : 25th January, 2021

Purvanchal Vidyut Vitran Nigam Limited

(A wholly owned Subsidiary Company of U.P. Power Corporation Limited)

VIDYUT NAGAR, BHIKHARIPUR, D. L. W., VARANASI



Statement of Profit & Loss for the period ended 31st March, 2020

(₹ in Lakhs)

Sl. No.	Particulars	Note no.	For the year ended 31st March, 2020	For the year ended 31st March, 2019
	Revenue:			
I	Revenue from Operations	17	1,164,141.00	1,103,693.01
II	Other Income	18	441,567.07	403,393.15
III	Total Revenue (I+II)		1,605,708.07	1,507,086.16
IV	Expenses:			
	Cost of Power Purchased	19	1,372,321.51	1,299,172.64
	Employee benefit expenses	20	30,921.38	28,846.67
	Finance Cost	21	130,612.92	120,346.35
	Depreciation and Amortisation expenses	22	42,782.45	30,590.66
	Other Expenses :			
	Administrative, General & Other expenses	23	45,973.33	29,099.35
	Repairs and Maintenance expenses	24	86,982.59	77,343.78
	Bad Debts & Provisions	25	16,544.08	19,625.62
	Total Expenses		1,726,138.26	1,605,025.07
V	Profit/(Loss) before exceptional items and tax (III-IV)		(120,430.19)	(97,938.91)
VI	Exceptional items		-	-
VII	Profit/(Loss) before Tax (V-VI)		(120,430.19)	(97,938.91)
VIII	Tax Expenses:			
	(a) Current Tax		-	-
	(b) Deferred Tax		-	-
IX	Profit/(Loss) for the year (VII-VIII)		(120,430.19)	(97,938.91)
X	Other Comprehensive Income:			
	Items that will not be reclassified to profit or loss -			
	Remeasurements of Defined Benefit Plans		(1,868.87)	(950.49)
XI	Total Comprehensive Income for the period (IX+X)		(122,299.06)	(98,889.40)
XII	Earning per equity share (for Continuing Operations)			
	(1) Basic		(63.66)	(61.84)
	(2) Diluted		(63.66)	(61.84)
XIII	Earning per equity share (for Discontinued Operations)			
	(1) Basic		-	-
	(2) Diluted		-	-
XIV	Earning per equity share (for Discontinued & Continuing Operations)			
	(1) Basic		(63.66)	(61.84)
	(2) Diluted		(63.66)	(61.84)

Company Information & Significant accounting policies

1A

Notes to Accounts


1B

The accompanying Notes 1 to 25 form integral part of Financial Statement

For and on behalf of Board of Directors of
Purvanchal Vidyut Vitran Nigam Limited


Chief Financial Officer


Company Secretary


Director (F)
DIN :- 05135780


Managing Director
DIN :- 08918373

Signed in terms of our report of even date.

For RAM K RAJ & ASSOCIATES

Chartered Accountants

(Firm Registration No. 002093)


CA Manoj Kumar Agrawal
(Partner)
Membership No. 077749



Place: Varanasi

Date : 25th January, 2021

PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

VIDYUT NAGAR, BHIKHARIPUR, D. L. W., VARANASI

STATEMENT OF CASH FLOWS

(₹ in Lakhs)

Sl. No.	PARTICULARS	For the year ended 31st March. 2020	For the year ended 31st March. 2019
A	<u>CASH FLOWS FROM OPERATING ACTIVITIES :</u>		
	Profit/(Loss) before tax		
	Adjustment for :	(122,299.06)	(98,889.35)
	Prior Period Adjustments relates to Previous Years	-	(464.38)
	Depreciation	54,940.51	41,654.82
	Interest & Financial Charges	149,883.98	134,367.24
		204,824.49	175,557.67
	Operating profit before working capital changes	82,525.43	76,668.32
	Adjustment for:-		
	Sundry Debtors	(312,751.50)	(373,775.42)
	Stores Spares	(1,007.91)	(6,454.21)
	Other Current Assets	63,600.66	(71,551.57)
	Current Liabilities	31,404.89	186,998.77
	Trade Payables	382,144.86	326,297.48
		163,391.00	61,515.04
	NET CASH FROM OPERATING ACTIVITIES	245,916.43	138,183.36
B	<u>CASH FLOW FROM INVESTING ACTIVITIES :</u>		
	Additions to fixed assets and Work in Progress	(349,732.72)	(433,412.67)
	Net Increase/(Decrease) in Non Current Assets/Liabilities	124,742.23	(17,410.51)
	NET CASH FLOW FROM INVESTING ACTIVITIES	(224,990.49)	(450,823.18)
C	<u>CASH FLOW FROM FINANCING ACTIVITIES :</u>		
	Share Application Money received	85,901.03	270,769.26
	Long Term Borrowings received/ (repayment)	(115,725.71)	48,728.38
	Increase in consumers cont. & GoUp capital subsidy	134,185.89	145,302.82
	Long Term Borrowing repayment-interest	(149,883.98)	(134,367.24)
	NET CASH FLOW FROM FINANCING ACTIVITIES	(45,522.78)	330,433.22
	Net increase/(decrease) in cash & cash equivalents (A+B+C)	(24,596.84)	17,793.40
	Cash & cash equivalents at the beginning of the year	116,007.50	98,214.10
	Cash & cash equivalents at the end of the year	91,410.66	116,007.50


Notes:-

- 1 Reconciliation of Cash and Cash Equivalents as per Note No. 6 and Note No. 7.
- 2 Cash and Cash equivalents consists of Cash and Bank balances.

For and on behalf of Board of Directors of
Purvanchal Vidyut Vitran Nigam Limited


Chief Financial Officer

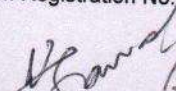

Company Secretary


Director (F)
DIN :- 05135780


Managing Director
DIN :- 08918373

Signed in terms of our report of even date.

For **RAM K RAJ & ASSOCIATES**
Chartered Accountants
(Firm Registration No. 002093C)


CA Manoj Kumar Agrawal
(Partner)

Membership No. 077749



Place: Varanasi

Date : 25th January, 2021

PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
STATEMENT OF CHANGES IN EQUITY



(₹ in Lakhs)

(A) EQUITY SHARE CAPITAL

For the year ended 31st March 2020

Particulars	Balance as at beginning of the reporting period	Change in equity share capital during the year	Balance as at end of the reporting period
As at 31st March, 2019	1,362,186.25	236,893.66	1,599,079.91
As at 31st March, 2020	1,599,079.91	322,199.06	1,921,278.97

(B) OTHER EQUITY

For the year ended 31st March 2020

Description	Share application money pending allotment	Reserves and Surplus			Total
		Capital Reserve	Other Reserves	Retained Earnings	
Balance at the beginning of the reporting period (as at 01.04.2019)	270,769.27	732,580.56	(0.00)	(1,937,936.81)	(934,586.98)
Changes in accounting policy or prior period errors	-	-	-	-	-
Restated balance at the beginning of the reporting period	270,769.27	732,580.56	(0.00)	(1,937,936.81)	(934,586.98)
Total Comprehensive Income for the year	-	-	-	-	-
Dividends	-	-	-	-	-
Transfer to retained earnings	-	-	-	-	-
Change during the year (Net)	(236,298.02)	134,185.89	-	(122,299.06)	(224,411.19)
Balance at the end of the reporting period (as at 31.03.2020)	34,471.25	866,766.45	(0.00)	(2,060,235.87)	(1,158,998.17)

For the year ended 31st March 2019

Description	Share application money pending allotment	Reserves and Surplus			Total
		Capital Reserve	Other Reserves	Retained Earnings	
Balance at the beginning of the reporting period (as at 01.04.2018)	236,893.67	587,277.75	(0.00)	(1,838,583.03)	(1,014,411.61)
Changes in accounting policy or prior period errors	-	-	-	(464.38)	(464.38)
Restated balance at the beginning of the reporting period	236,893.67	587,277.75	(0.00)	(1,839,047.41)	(1,014,875.99)
Total Comprehensive Income for the year	-	-	-	-	-
Dividends	-	-	-	-	-
Transfer to retained earnings	-	-	-	-	-
Change during the year (Net)	33,875.60	145,302.81	-	(98,889.40)	80,289.01
Balance at the end of the reporting period (as at 31.03.2019)	270,769.27	732,580.56	(0.00)	(1,937,936.81)	(934,586.98)

Handwritten signatures in blue ink.





PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U. P. Power Corporation Limited)
VIDYUT NAGAR, D. L. W., VARANASI

**COMPANY INFORMATION & SIGNIFICANT ACCOUNTING POLICIES OF
STANDALONE FINANCIAL STATEMENT**

1. REPORTING ENTITY

- (a) The Company is a wholly owned subsidiary of U.P. Power Corporation Limited, Lucknow (A State Govt. Company) domiciled in India and is engaged in the distribution of electricity in its specified area.
- (b) The Company was incorporated under the Companies Act, 1956 on 01-05-2003 and commenced the business operation w.e.f. 12-08-2003 in terms of Government of Uttar Pradesh Notification No. 2740/P-1/ 2003-24-14P/ 2003 dated 12-08-2003. The address of the Company's registered office is Vidyut Nagar, Bhikharipur, P.O - D.L.W. Varanasi, Uttar Pradesh-221004.

2. GENERAL/BASIS OF PREPARATION

- (a) The financial statements are prepared in accordance with the applicable provisions of the Companies Act, 2013. However where there is a deviation from the provisions of the Companies Act, 2013 in preparation of these accounts, the corresponding provisions of Electricity (Supply) Annual Accounts Rules 1985 have been adopted.
- (b) The accounts are prepared under historical cost convention, on accrual basis, unless stated otherwise in pursuance of Ind AS, and on accounting assumption of going concern.
- (c) Insurance and Other Claims, Refund of Custom Duty, Interest on Income Tax & Trade Tax and Interest on loans to staff is accounted for on receipt basis after the recovery of principal in full.
- (d) **Statement of compliance**

The financial statements are prepared on accrual basis of accounting, unless stated otherwise, and comply with the Indian Accounting Standards (Ind AS) notified under the Companies (Indian Accounting Standards) Rules, 2015 and subsequent amendments thereto, the Companies Act, 2013 (to the extent notified and applicable), applicable provisions of the companies Act, 1956, and the provisions of the Electricity Act, 2003 to the extent applicable.

These financial statements were authorized for issue by Board of Directors on 18.01.2021.

(e) **Functional and presentation currency**

The financial statements are prepared in Indian Rupee (₹), which is the Company's functional currency. All financial information presented in Indian rupees has been rounded to the nearest rupees in lakhs (up to two decimals), except as stated otherwise.



(f) **Use of estimates and management judgments**

The preparation of financial statements require management to make judgments, estimates and assumptions that may impact the application of accounting policies and the reported value of asset, liabilities, income, expenses and related disclosures concerning the items involved as well as contingent Assets and Liabilities at the balance date. The estimates and management's judgments are based on previous experience and other factor considered reasonable and prudent in the circumstances. Actual results may differ from this estimate.

Estimates and Underlying assumptions are reviewed as on ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimate are reviewed and if any future periods affected.

(g) **Current and non-current classification**

- The Company presents assets and liabilities in the balance sheet based on current/non-current classification.

An asset is current when it is:

- Expected to be realized or intended to sold or consumed in normal operating cycle;
- Held primarily for the purpose of trading;
- Expected to be realized within twelve months after the reporting period; or
- Cash or cash equivalent unless restricted from being exchanged or used to settle a liability for the last twelve months after the reporting period.

All other assets are classified as non-current.

A liability is current when:

- It is expected to be settled in normal operating cycle;
- It is held primarily for the purpose of trading;
- It is due to be settled within twelve months after the reporting period; or
- There is no unconditional right to defer settlement of the liability for at least twelve month after the reporting period.

All other liabilities are classified as non-current.

3. **SIGNIFICANT ACCOUNTING POLICIES**

I- **PROPERTY, PLANT AND EQUIPMENT**

- (a) Property, Plant and Equipment are shown at historical cost less accumulated depreciation.
- (b) All costs relating to the acquisition and installation of Property, Plant and Equipment till the date of commissioning are capitalized.
- (c) Consumer Contribution, Grants and Subsidies received towards cost of capital assets are treated initially as capital reserve and subsequently amortized in the proportion in which depreciation on related asset is charged.

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- (d) In the case of commissioned assets, where final settlement of bills with the contractor is yet to be affected, capitalization is done, subject to necessary adjustment in the year of final settlement.
- (e) Due to multiplicity of functional units as well as multiplicity of functions at particular unit, Employees cost to capital works are capitalized @ 15% on deposit works, 13.50% on Distribution works and @ 9.5% on other works on the amount of total expenditure.
- (f) Borrowing cost during construction stage of capital assets are capitalized as per provisions of Ind AS-23.

II- CAPITAL WORK-IN-PROGRESS

Property, Plant and Equipment those are not yet ready for their intended use are carried at cost under Capital Work-In-Progress, comprising direct costs, related incidental expenses and attributable interest.

The value of construction stores is charged to capital work-in-progress as and when the material is issued. The material at the year end lying at the work site is treated as part of capital work in progress.

III- INTANGIBLE ASSETS

Intangible assets are measured on initial recognition at cost. Subsequently the intangible assets are carried at cost less accumulated amortization/accumulated impairment losses. The amortization has been charged over its useful life in accordance with Ind AS-38.

An intangible asset is derecognized on disposal or when no future economic benefits are expected from its use.

IV- DEPRECIATION

- (a) Depreciation is charged on Straight Line Method as per Schedule II of the Companies Act 2013.
- (b) Depreciation on additions to / deductions from Property, Plant and Equipment during the year is charged on Pro rata basis.
- (c) Property, Plant and Equipment are depreciated up to 95% of original cost except in case of temporary erections/constructions where 100% depreciation is charged.

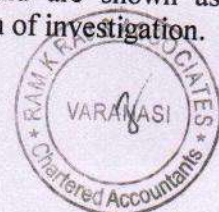
V- STORES & SPARES

- (a) Stores and Spares are valued at cost.
- (b) As per practice consistently following by the Company, Scrap is accounted for as and when sold.
- (c) Any shortage /excess of material found during the year end are shown as "material short/excess pending investigation" till the finalization of investigation.

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VI- REVENUE/ EXPENDITURE RECOGNITION

- (a) Revenue from sale of energy is accounted for on accrual basis.
- (b) Late payment surcharge recoverable from consumers on energy bills is accounted for on cash basis due to uncertainty of realisation.
- (c) The sale of electricity does not include electricity duty payable to the State Government.
- (d) Sale of energy is accounted for based on tariff rates approved by U.P. Electricity Regulatory Commission.
- (e) In case of detection of theft of energy, the consumer is billed on laid down norms as specified in Electricity Supply Code.
- (f) Penal interest, over due interest, commitment charges, restructuring charges and incentive/rebates on loans are accounted for on cash basis after final ascertainment.

VII- POWER PURCHASE

Power purchase is accounted for in the books of Corporation as below:

- (a) The Bulk purchase of power is made available by the holding company (U.P. Power Corporation Limited) and the cost of Power Purchase is accounted for on accrual basis at the rates approved/bills raised by UPPCL.
- (b) Transmission charges are accounted for on accrual basis on bills raised by the U.P. Power Transmission Corporation Limited at the rates approved by UPERC.

VIII- EMPLOYEE BENEFITS

- (a) Liability for Pension & Gratuity in respect of employees has been determined on the basis of actuarial valuation and has been accounted for on accrual basis.
- (b) Medical benefits and LTC are accounted for on the basis of claims received and approved during the year.
- (c) Leave encashment has been accounted for on accrual basis.

IX- PROVISIONS, CONTINGENT LIABILITIES AND CONTINGENT ASSETS

- (a) Accounting of the Provisions is made on the basis of estimated expenditures to the extent possible as required to settle the present obligations.
- (b) Contingent assets and liabilities are disclosed in the Notes on Accounts.
- (c) The Contingent assets of unrealisable income are not recognised.

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X- GOVERNMENT GRANT, SUBSIDIES AND CONSUMER CONTRIBUTIONS

Government Grants (Including Subsidies) are recognised when there is reasonable assurance that it will be received and the company will comply the conditions attached, if any, to the grant. The amount of Grant, Subsidies and Loans are received from the State Government by the UPPCL centrally, being the Holding Company and distributed by the Holding Company to the DISCOMS.

Consumer Contributions, Grants and Subsidies received towards cost of capital assets are treated initially as capital reserve and subsequently amortized in the proportion in which depreciation on related asset is charged.

XI- FOREIGN CURRENCY TRANSACTIONS

Foreign Currency transactions are accounted at the exchange rates prevailing on the date of transaction. Gains and Losses, if any, as at the year end in respect of monetary assets and liabilities are recognized in the Statement of Profit and Loss.

XII- DEFERRED TAX LIABILITY

Deferred tax liability of Income Tax (reflecting the tax effects of timing difference between accounting income and taxable income for the period) is provided on the profitability of the Company and no provision is made in case of current loss and past accumulated losses as per Para 34 of Ind AS 12 "Income Taxes".

XIII- CASH FLOW STATEMENT

Cash Flow Statement is prepared in accordance with the indirect method prescribed in Ind AS - 7 'Statement of Cash Flow'.

XIV- FINANCIAL ASSETS

Initial recognition and measurement:

Financial assets of the Company comprises, Cash & Cash Equivalents, Bank Balances, Trade Receivable, Advance to Contractors, Advance to Employees, Security Deposits, Claim recoverables etc. The Financial assets are recognized when the company become a party to the contractual provisions of the instrument.

All the Financial Assets are recognized initially at fair value plus transaction cost that are attributable to the acquisition or issue of the financial assets as the company purchase/acquire the same on arm length price and the arm length price is the price on which the assets can be exchanged.

Subsequent Measurement:

A- Debt Instrument:- A debt instrument is measured at the amortized cost in accordance with Ind AS 109.

B- Equity Instrument:- All equity investments in entities are measured at fair value through P & L (FVTPL) as the same is not held for trading.

Impairment on Financial Assets- Expected credit loss or provisions are recognized for all financial assets subsequent to initial recognition. The impairment losses and reversals are recognised in Statement of Profit & Loss.

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XV- FINANCIAL LIABILITIES

Initial recognition and measurement:

Financial liabilities are recognised when the Company becomes a party to the contractual provisions of the instruments. All the financial liabilities are recognised initially at fair value. The Company's financial liabilities include trade payables, borrowings and other payables.

Subsequent Measurement:

Borrowings have been measured at fair value using effective interest rate (EIR) method. Effective interest rate method is a method of calculating the amortised cost of a financial instrument and of allocating interest and other expenses over the relevant period. Since each borrowings has its own separate rate of interest and risk, therefore the rate of interest at which they are existing is treated as EIR. Trade and other payables are shown at contractual value/amortized cost.

A financial liability is derecognised when the obligation specified in the contract is discharged, cancelled or expired.

XVI- MATERIAL PRIOR PERIOD ERROR

Material prior period errors are corrected retrospectively by restating the comparative amount for the prior periods presented in which the error occurred. If the error occurred before the earliest period presented, the opening balance of assets, liabilities and equity for the earliest period presented, are restated.

For and on behalf of Board of Directors of
Purvanchal Vidyut Vitran Nigam Limited


Chief Financial Officer


Company Secretary


Director (F)
DIN :- 05135780


Managing Director
DIN :-08918373

Signed in terms of our report of even date.

For RAM K RAJ & ASSOCIATES
(Firm Registration No. 002093C)
Chartered Accountants



Manoj Kumar Agrawal
(Membership No. 077749)
(Partner)

Place: - Varanasi
Date: - 25th January, 2021



PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U. P. Power Corporation Limited)
VIDYUT NAGAR, D. L. W., VARANASI

NOTES TO ACCOUNTS

Annexed to and forming part of Balance Sheet as at 31.03.2020 and Statement of Profit and Loss for the period ended on that date.

1. **Financial Risk Management:**

The company's principal financial liabilities comprise loans and borrowings, trade payables and other payables. The main purpose of these financial liabilities is to finance the company's operations. The company's principal financial assets includes borrowings/advances, trade & other receivables and Cash that derive directly from its operations.

The company is exposed to the following risks from its use of financial instruments:

(a) **Credit Risk:** Credit risk is the risk of financial loss to the company if a customer or counter party to a financial instrument fails to meet its contractual obligation resulting in a financial loss to the company. Credit risk arises principally from cash & cash equivalents and deposits with banks and financial institutions. In order to manage the risk, company accepts only high rated bank/FIs.

(b) **Market Risk:** Foreign Currency Risk: Market risk is the risk that changes in market prices, such as foreign exchange rates and interest rates will affect the company's income/loss. The objective of market risk management is to manage and control market risk exposure within acceptable parameters, while optimizing the return. The company has no material foreign currency transaction hence there is no Market Risk w.r.t foreign currency translation.

(c) **Market Risk:** Interest Rate Risk: The Company is exposed to interest rate risk arising from borrowing with floating rates because the cash flows associated with floating rate borrowings will fluctuate with changes in interest rates. The company manages the interest rate risks by entering into different kind of loan arrangements with varied terms (e.g. Rate of interest, tenure etc.).

At the reporting date the interest rate profile of the company's interest-bearing financial instruments are as under:

Particulars	(₹ In Lakh)	
	31.03.2020	31.03.2019
Financial Assets		
Fixed Interest Rate Instruments- Deposits with Bank	71.00	73.93
Variable Interest Rate Instruments- Deposits with Bank	-	-
Total	71.00	73.93



Financial Liabilities		
Fixed Interest Rate Instruments- Financial Instrument Loans	15,27,676.83	15,55,780.12
Variable Interest Rate Instruments- Cash Credit from Banks	-	-
Total	15,27,676.83	15,55,780.12

Fair value sensitivity analysis for fixed-rate instruments

The company's fixed rate instruments are carried at amortized cost. They are therefore not subject to interest rate risk, since neither the carrying amount nor the future cash flows will fluctuate because of a change in market interest rates.

(d) Liquidity Risk: Liquidity risk is the risk that the Company will encounter difficulty in meeting the obligations associated with its financial liabilities that are settled by delivering cash or other financial assets. The Company's approach to managing liquidity is to ensure, as far as possible, that it will always have sufficient liquidity to meet its liabilities when due, under both normal and stressed condition, without incurring unacceptable losses or risking damage to the company's reputation.

The company manage liquidity risk by maintaining adequate FI/Bank facilities and reserve borrowing facilities by continuously monitoring, forecast the actual cash flows and matching the maturity profile of financial assets and liabilities.

(e) Regulatory Risk: The company's substantial operations are subject to regulatory interventions, introductions of new laws and regulations including changes in competitive framework. The rapidly changing regulatory landscape poses a risk to the company. Regulations are framed by State Regulatory Commission as regard to Standard of Performance for utilities, Terms & Conditions for determination of tariff, obligation of Renewable Energy purchase, grant of open Access, Deviation Settlement Mechanism, Power Market Regulations etc. Moreover, the State Government is notifying various guidelines and policy for growth of the sector. These Policies/Regulations are modified from time to time based on need and development in the sector. Hence the policy/regulation is not restricted only to compliance but also has implications for operational performance of utilities, return of Equity, Revenue, competitiveness, and scope of supply.

To protect the interest of utilities, State Utilities are actively participating while framing of Regulations. ARR is regularly filed to UPERC considering the effect of change, increase/decrease, of power purchase cost and other expenses in deciding the Tariff of Sales of Power to ultimate consumers.

2. **Capital Management:**

The company's objective when managing capital is to safeguard its ability to continue as a going concern, so that it can continue to provide returns for shareholders and benefits for other stakeholders and maintain an appropriate capital structure of debt and equity.

The Company is wholly owned by the Uttar Pradesh Power Corporation Limited and the decision to transferring the share application money for issuing the shares is lay solely with Uttar Pradesh Power Corporation Limited. The Company acts on the instruction and orders of the Uttar Pradesh Power Corporation Limited to comply with the statutory requirements.

The debt portion of capital structure is funded by the various banks, FIs and other institutions as per the requirement of the company.



3. The Company earns revenue primarily from supply of power to ultimate consumers situated in the area covered under its jurisdiction to supply the power. The Company procured the power from its Holding Company (UPPCL) which procures the power on our behalf and supplies the same to us.

Effective from 01st April, 2018, the Company has applied Ind AS 115, Revenue from Contracts with Customers, using the cumulative catch up transition method, applied to contracts with customers that were not completed as at 01st April, 2018. Accordingly, the comparative amounts of revenue have not been retrospectively adjusted and continue to be reported as per Ind AS 18 "Revenues" and Ind AS 11 "Construction Contracts" (to the extent applicable). The effect on the adoption of Ind AS 115 was insignificant as we supply the power to our ultimate consumers and generate the bills on monthly consumption basis.

Revenue from sale of power is recognized on satisfaction of performance obligation upon supply of power to the consumers at an amount that reflects the consideration (As per UPERC Tariff), adjusted with rebate on timely payment, the Company expects to receive in exchange for those supplied power.

Consumer Contribution received under Deposit Work has been amortized in the proportion in which depreciation on related asset is charged to allocate the transaction price over a period of life of assets.

4. The share capital includes 500 Equity Shares of ₹1000 each allotted to subscribers of Memorandum of Association and shown separately in Balance Sheet.
- (a) The Property, Plant & Equipment including Land remained with the company after notification of final transfer scheme are inherited from erstwhile UPSEB which had been the title holder of the such Non-Current Assets. The title deeds of new Property, Plant & Equipment created/purchased after incorporation of the company, are held in the respective units where such assets were created/ purchased.
- (b) Where historical cost of a discarded/ retired/ obsolete Property, Plant & Equipment is not available, the estimated value of such asset and depreciation thereon has been adjusted and accounted for.
- (c) In terms of powers conferred by the Notification no. GSR 627(E) dated 29 August 2014 of Ministry of Corporate Affairs, Govt. of India, the depreciation/amortization on Property, Plant & Equipment/ Intangible Assets have been calculated taking into consideration the useful life of assets as approved in the orders of UPERC (Multi Year Distribution Tariff) Regulations, 2014.
5. (a) The Provision for Bad & Doubtful Debts against revenue from sale of power has been made @5 % on the incremental debtors during the year.

(₹ In Lakh)

Particulars	Trade Receivables	Provision for bad and doubtful debts
Opening balance	26,38,916.39	2,29,112.72
During the year	3,29,212.11	16,460.61
Closing balance	29,68,128.49	2,45,573.33

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- (b) The details of provision for doubtful loans & advances are as under: -
- Provision @ 10 % on the balances of suppliers/ contractors (O&M) has been made on the closing balances as at year end shown in Note no. 8(9) of Balance Sheet.
 - A provision for doubtful receivables @ 10% on the balances appearing under the head "Receivable from Employees" shown in Note no. 8(1) of Balance Sheet.
6. The loan taken by the Company during the financial year 2019-20 amounting to ₹ 1,53,189.69 lacs out of which ₹ 66,689.69 lakhs directly and ₹ 86,500.00 lakhs by Holding Company i.e. UPPCL for and on behalf of PuVVNL as per details given below:-

S.No.	Particulars	PuVVNL	UPPCL	(₹ In Lakh) Total
1	REC	37,036.09	18,000.00	55,036.09
2	PFC	29,653.60	68,500.00	98,153.60
Total		66,689.69	86,500.00	1,53,189.69

7. Receivables and payables from /to Inter Company/Inter DISCOM/ Holding Company have been shown as net of receivables and payables. The details of receivable and payables have been shown in supplementary schedules (Supplementary Schedule No. 1 to Notes to Account).
8. The Board of Directors of Purvanchal Vidyut Vitran Nigam Limited has escrowed all the Revenue receipt accounts in favour of U.P. Power Corporation Limited, Lucknow. The Holding Company has been further authorized to those escrow revenue accounts for raising or borrowing the funds for & on behalf of Purvanchal Vidyut Vitran Nigam Limited for all necessary present and future financial needs including Power Purchase obligation.
9. Accounting entries after reconciliation have been incorporated in the current year. Reconciliation of outstanding balances of IUT is under progress and will be accounted for in coming years.
10. Government dues in respect of Electricity Duty and other Levies amounting to ₹ 94,916.81 Lakhs shown in Note no. 16 of Balance Sheet, includes ₹ 636.41 Lakhs on account of Other Levies Payable.
11. Some balances appearing under the heads 'Current Assets', 'Unsecured Loans', 'Current Liabilities', Material in transit/ under inspection/lying with contractors are subject to confirmation/ reconciliation and subsequent adjustments, as may be required.
12. The amount of Loans, Subsidies and Grants were received from the State Government by the Uttar Pradesh Power Corporation Limited centrally, being the Holding Company and distributed by the Holding Company to the DISCOMs, which have been accounted for accordingly.
13. Bill of power purchase and transmission charges are being taken into account as per the bills raised by UPPCL/UPPTCL after due verification.
14. Basic and diluted earnings per share has been shown in the Statement of Profit & Loss in accordance with Ind-AS 33 "Earnings Per Share". Basic earnings per share have been computed by dividing net loss after tax by the weighted average number of equity shares outstanding during the year. Number used for calculating diluted earnings per equity share includes the amount of share application money (pending for allotment).

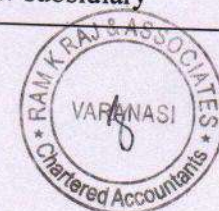


	Particulars	31.03.2020	31.03.2019
(a)	Net loss after tax (numerator used for calculation)	(1,22,299.06)	(98,889.40)
(b)	Weighted average number of Equity Shares* (denominator for calculating Basic EPS)	192127897	159907991
(c)	Weighted average number of Equity Shares* (denominator for calculating Diluted EPS)	195575021	186984917
(d)	Basic earnings per share of ` 1000/- each	(63.66)	(61.84)
(e)	Diluted earnings per share of ` 1000/- each	(63.66)	(61.84)

(As per para 43 of Ind-AS 33 issued by Institute of Chartered Accountants of India, Potential Equity Shares are treated as Anti Dilutive as their conversion to Equity Share would decrease loss per share, therefore, effect of Anti Dilutive Potential Equity Shares are ignored in calculating Diluted Earnings Per Share) * Calculated on monthly basis.

15. Liability towards medical expenses and LTC has been provided to the extent established.
16. Based on actuarial valuation report dt. 09.11.2000 submitted by M/s Price Waterhouse Coopers to UPPCL (the Holding Company) provision for accrued liability on account of Pension and Gratuity has been made @16.70% and 2.38% respectively on the amount of Basic pay, Grade pay and DA paid to employees.
17. Provision for Leave Encashment and Gratuity (CPF Employees) has been made on the basis of Actuarial Valuation Report issued for the financial year 2019-20 by independent actuarial valuer M/s Mithras Consultants, New Delhi.
18. In compliance of comments of C&AG, advertisement expenditure under the Saubhagya Scheme of ` 1.12 crore relating to FY 2018-19 has been booked under Capital WIP since communication programme at State and local level shall be taken up by the State/DISCOMS and the cost should be included in the DPRs as part of the Project cost.
19. Amount due to Micro, Small and medium enterprises (under the MSMED Act 2006) could not be ascertained and interest thereon could not be provided for want of sufficient related information. However, the company is in process to obtain the complete information in this regard.
20. Since the Company is principally engaged in the business of Electricity and there is no other reportable segment as per Ind-AS-108 'Operating Segments', hence the disclosure as per Ind-AS-108 on segment reporting is not required.
21. Related party disclosures as per Ind-AS 24:-
 - (A) List of Related Parties are as under:-
 - (a) List of Holding, Fellow Subsidiaries and Associates:-

Sl. No.	Name of Company	Nature of relationship
1.	U. P. Power Corporation Limited	Holding
2.	Madhyanchal Vidyut Vitran Nigam Limited	Fellow subsidiary
3.	Paschimanchal Vidyut Vitran Nigam Limited	Fellow subsidiary



4.	Dakshinanchal Vidyut Vitran Nigam Limited	Fellow subsidiary
5.	Kanpur Electricity Supply Company Limited	Fellow subsidiary
6.	Southern Power Transmission Corporation Limited	Fellow subsidiary

(b) List of Key Managerial Personnel at Holding Company:-

Sl. No.	Name	Designation	Working Period (for FY 2019-20)	
			Appointment	Retirement/ Cessation
1	Shri Alok Kumar, (IAS)	Chairman & PS (Energy)	20.05.2017	09.11.2019
2	Shri Arvind Kumar	Chairman & PS (Energy)	10.11.2019	Working
3	Smt. Aparna Upadhyayula	Managing Director	26.10.2017	04.11.2019
4	Shri M. Devraj	Managing Director	05.11.2019	Working
5	Shri Sudhanshu Dwivedi	Director (Finance)	30.06.2016	30.06.2019
6	Shri Sudhir Arya	Director (Finance)	30.07.2019	Working
7	Shri Satya Prakash Pandey	Director(P&A)	01.07.2016	02.06.2019
8	Shri A. K. Purwar	Director(P&A)	10.07.2019	Working
9	Shri Vijay Kumar	Director (Distribution)	06.01.2018	Working
6	Shri V. P. Srivastava	Corporate Planning	04.01.2018	Working
7	Shri A. K. Srivastava	Director(Commercial)	27.06.2018	Working
8	Shri Senthil Pandian C.	MD UPPTCL	10.09.2018	Working
9	Shri Neel Ratan Kumar (Special Secretary – Finance)	Part Time Director, Finance Department	16.04.2013	Working
10	Smt. Manju Shankar	Part Time Director, (Department of Public Enterprises)	10.12.2015	31.12.2019
11	Shri Pramendra Nath Sahay	Chief Finance Officer	14.11.2018	04.03.2020
12	Shri Anil Kumar Awasthi	Chief Finance Officer	05.03.2020	Working
13	Shri Pradeep Soni	Company Secretary	01.08.2017	17.03.2020
14	Ms. Niharika Gupta	Company Secretary	18.03.2020	Working

(c) List of Key Managerial Personnel at Purvanchal Vidyut Vitran Nigam Limited:-

Sl. No.	Name of the key managerial Personnel/ Directors	Designation	Period (for the Year 2019-20)	
			From	To
1	Shri Alok Kumar, (IAS)	Chairman	20.05.2017	09.11.2019
2	Shri Arvind Kumar	Chairman	09.11.2019	Working
3	Smt. Aparna Upadhyayula	Managing Director	26.10.2017	05.11.2019
4	Shri M. Devraj	Managing Director	05.11.2019	Working
5	Shri Govind Raju N.S.	Managing Director	28.08.2018	12.10.2019

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6	Shri K. Balaji	Managing Director	12.10.2019	Working
7	Shri Anil Kumar Awasthi	Director (Finance)	29.12.2016	28.12.2019
8	Shri Sudhir Arya	Director (Finance) (Additional Charge)	03.01.2020	Working
9	Shri Anil Kumar Kohli	Director (P. & A.)	21.06.2017	Working
10	Shri Anshul Agarwal	Director (Technical)	28.06.2018	04.11.2019
11	Shri Anil Kumar Kohli	Director (Technical) (Additional Charge)	21.11.2019	01.03.2020
12	Shri Prithvi Pal Singh	Director (Technical)	01.03.2020	Working
13	Shri Om Prakash Dixit	Director (Commercial)	07.08.2018	Working
14	Shri Anil Kumar Awasthi	Chief Finance Officer	18.11.2015	28.12.2019
15	Shri Pramendra Nath Sahay	Chief Finance Officer	04.02.2020	Working
16	Shri S. C. Tiwari	Company Secretary	01.09.2015	Working

(d) The Company is a State Public Sector Undertaking (SPSU) controlled by State Government by holding majority of shares. Pursuant to Paragraph 25 & 26 of Ind AS 24, entities over which the same government has control or joint control, or significant influence, then the reporting entity and other entities shall be regarded as related parties. The Company has applied the exemption available for Government related entities and have made limited disclosures in the financial statements. Such entities which company has significant transactions includes, but not limited to, UP Power Transmission Corporation Limited, Uttar Pradesh Rajya Utpadan Nigam Limited.

(e) Post employment benefit plans:-

i. Uttar Pradesh Power Sector Employees Trust

(B) Transactions with related parties are as follows:-

(a) Transaction with Holding and Fellow Subsidiary companies:-

(₹ in Lakh)

Sl. No.	Particulars	Holding Company		Fellow Subsidiary	
		2019-20	2018-19	2019-20	2018-19
1.	Purchase of power	12,91,061.47	12,44,749.22	-	-
2.	Loan received/allocated	86,500.00	1,53,038.27	-	-
3.	Loan repayment/adjustment	1,71,328.50	1,57,327.67	-	-
4.	Others	-	-	208.57	0.30



(b) Remuneration and Benefits paid to key managerial personnel (MD, WTD, CFO and CS) are as follows: -

Name of MD/Director	2019-20		2018-19	
	Salary and Allowance	Contribution to P.F./Gratuity / Pension	Salary and Allowance	Contribution to P.F./Gratuity / Pension
1. Shri Govind Raju N.S., Managing Director	11.70	-	6.28	4.48
2. Shri K. Balaji, Managing Director	4.99	-	10.28	-
3. Shri Anil Kumar Awasthi, Director (Finance)	28.31	-	30.36	-
4. Shri Anil Kumar Kohli, Director (P. & A.)	19.88	-	29.03	24.37
5. Shri Anshul Agarwal, Director (Technical)	20.80	-	21.03	-
6. Shri Prithvi Pal Singh Director (Technical)	2.63	-	-	-
7. Shri Om Prakash Dixit, Director (Commercial)	18.76	-	12.85	-
8. Shri S. C. Tiwari, Company Secretary	21.68	-	20.10	-
Total	128.75	-	135.66	28.85

(c) Transaction with related parties under the control of same government:-

Sl. No.	Name of the company	Nature of transaction	2019-20		2018-19	
			2019-20	2018-19	2019-20	2018-19
1.	Uttar Pradesh Power Transmission Corporation Limited	Transmission Charges	80,402.60	53,804.64		

(d) Outstanding balances with related parties:-

Particulars	31 st	
	March, 2020	March, 2019
Amount Recoverable Towards loans –		
U.P. Power Corporation Ltd.	1,09,860.36	1,14,201.91
Amount recoverable other than loans –		
Pashchimanchal V.V.N.L.	294.24	255.77
KESCO	437.97	475.41
UPRVUNL	13.29	13.29
Amount payable towards loans –		
U.P. Power Corporation Ltd.	-	-

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Amount payable other than loans –		
U.P. Power Corporation Ltd.	14,612.33	8,579.71
Madhyanchal V.V.N.L.	7,694.74	7,610.65
Dakshinanchal V.V.N.L.	2,699.24	2,573.72
U.P. Power Transmission Corporation Ltd.	1,31,235.59	97,367.37
UP State Power Sector Employees Trust	34,801.69	31,456.84

22. Debts due from Directors were Nil (previous year Nil).
23. Payment to Directors and Officers in foreign currency towards foreign tour was Nil (Previous year Nil).
24. Additional Information required under the Schedule-III of the Companies Act, 2013 are as under: -

(a) Quantitative Details of Energy Purchased and Sold: -

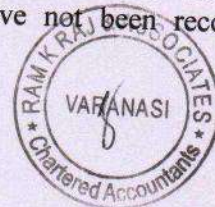
Sl. No.	DESCRIPTION	2019-20 (Units in M.U.)	2018-19 (Units in M.U.)
(i)	Total number of units purchased	26651.592	26153.552
(ii)	Total number of units sold	21237.264	20795.201
(iii)	Transmission & Distribution Losses	20.32%	20.49%

(b) Details of Contingent Liabilities/Assets are as follows:-

(₹ in Lakhs)

Particulars	31 st March, 2020	31 st March, 2019
Estimated amount of contracts remaining to be executed on capital account and not provided for	14.26	13.14
Claim by employee under Litigation	135.34	71.90
Others	15,686.26	17,851.33
Total	15,835.86	17,936.37

25. Capitalization of Interest on borrowed fund utilized during construction stage of Property, Plant & Equipment (i.e. Capital Assets) has been done by identifying the Schemes/Assets and the funds used for the purpose to the extent established. The amount of Borrowed Fund Capitalized during the Financial Year 2019-20 is ₹ 22,536.28 Lakhs (Previous Year ₹ 17,094.80 lakhs).
26. The holding Company UPPCL vide it's Board Meeting dated 14-08-2020 has decided to allocate common expenditure to subsidiaries and facility cost to power sector companies owned by GoUP with effect from the financial year 2019-20. The Company in it's board meeting dated 25-09-2020 has decided to account for the expenditure of the holding company accordingly and accounted for the expenses in different heads (i.e., Employee Cost, Administrative Cost, General & Other Expenses and Repair & Maintenance as per allocation made by holding Company).
27. Due to heavy carried forward losses / depreciation and uncertainties to recover such losses/depreciation in near future, the deferred tax assets have not been recognized in accordance with para 34 of Ind-AS 12 issued by ICAI.



28. In the opinion of management, there is no specific indication of impairment of any assets as on balance sheet date as envisaged by Ind-AS 36 of ICAI. Further, the assets of the corporation have been accounted for at their historical cost and most of the assets are very old where the impairment of assets is very unlikely.
29. The figures as shown in the Balance Sheet, Statement of Profit & Loss, and Notes shown in () denotes negative figures.
30. Consequent to the applicability of Ind-AS the financial statements for the year ended 2019-20 have been prepared as per Ind-AS. Previous year figures have been regrouped and reclassified wherever considered necessary in conformity of Ind-AS Implementation.
31. The annual accounts of financial year 2018-19 are yet to be adopted in annual general meeting as final comments of C&AG for the relevant financial year are awaited.

For and on behalf of Board of Directors of
Purvanchal Vidyut Vitran Nigam Limited


Chief Financial Officer


Company Secretary


Director (F)
DIN :- 05135780


Managing Director
DIN :-08918373

Signed in terms of our report of even date.

For **RAM K RAJ & ASSOCIATES**
(Firm Registration No. 002093C)
Chartered Accountants


Manoj Kumar Agrawal
(Membership No. 077749)
(Partner)
Place: - Varanasi

Date: - 25th January, 2021




Purvanchal Vidyut Vitran Nigam Limited
(A wholly owned Subsidiary Company of U.P. Power Corporation Limited)



Supplementary Schedule -1 to Notes to Accounts

NET EFFECT OF INTER COMPANY TRANSACTIONS 2019-20

Sl. No.	Name Of Company	Receivable	Payable	Net Receivable	Net Payable
1	U.P. POWER CORPORATION LTD.	7,210,464.83	7,115,216.80	95,248.03	-
2	MADHYANCHAL V.V.N.L.	6,246.86	13,941.60	-	7,694.74
3	DAKSHINANCHAL V.V.N.L.	1,747.11	4,446.34	-	2,699.24
4	PASHCHIMANCHAL V.V.N.L.	821.10	526.85	294.24	-
5	KESCO	589.92	151.95	437.97	-
6	U.P.P.T.C.L.	1,114.26	191.61	922.65	-
7	U.P.R.V.U.N.L.	15.01	1.72	13.29	-
TOTAL		7,220,999.08	7,134,476.87	96,916.19	10,393.98



PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U. P. Power Corporation Limited)
VIDYUT NAGAR , BHIKHARIPUR, D. L. W., VARANASI



Note - 2

PROPERTY, PLANT AND EQUIPMENT

PARTICULARS	GROSS BLOCK				DEPRECIATION				NET BLOCK	
	AS AT	ADDITIONS	DEDUCTIONS	AS AT	AS AT	ADDITIONS	DEDUCTIONS	AS AT	AS AT	
	01-04-2019			31-3-2020	01-04-2019			31-3-2020	31-3-2020	
Land and Land Rights	104.07	-	-	104.07	-	-	-	-	104.07	104.07
Buildings	18,836.26	1,772.58	-	20,608.63	5,821.52	-	-	6,196.74	14,411.89	13,014.74
Plant & Machinery	747,536.01	377,093.33	0.22	1,046,627.58	75,101.58	375.28	0.06	97,026.42	949,601.17	672,434.43
Lines, Cable Network etc	507,517.57	258,856.71	78,001.76	759,511.04	176,861.80	29,326.45	7,401.61	200,810.34	558,700.70	330,655.77
Vehicles	157.14	-	6,863.24	157.14	96.70	24,975.00	1,026.46	97.68	59.47	60.44
Furnitures & Fixtures	195.15	44.74	-	239.89	97.38	0.98	-	104.44	135.47	97.77
Office Equipments	899.28	5,337.04	0.58	6,235.74	306.12	7.06	-	561.26	5,674.47	593.16
Sub Total	1,275,245.48	643,104.40	84,865.80	1,833,484.11	258,285.10	54,940.51	8,428.73	304,796.87	1,528,687.24	1,016,960.38
Lines, Cable Network Etc (Bay) (Asset Not In Possession of Puvvnl)	4,461.45	401.02	-	4,862.47	427.80	186.48	-	614.28	4,248.19	4,033.65
Total	1,279,706.93	643,505.42	84,865.80	1,838,346.58	258,712.90	55,126.99	8,428.73	305,411.15	1,532,935.43	1,020,994.03

PARTICULARS	GROSS BLOCK				DEPRECIATION				NET BLOCK	
	AS AT	ADDITIONS	DEDUCTIONS	AS AT	AS AT	ADDITIONS	DEDUCTIONS	AS AT	AS AT	
	01-04-2018			31-3-2019	01-04-2018			31-3-2019	31-3-2019	
Land and Land Rights	104.07	-	-	104.07	-	-	-	-	104.07	104.07
Buildings	16,897.39	1,939.04	0.17	18,836.26	5,481.67	-	-	5,821.52	13,014.74	11,415.72
Plant & Machinery	563,627.04	252,491.30	68,582.33	747,536.01	58,061.98	340.14	0.29	21,266.75	672,434.43	505,565.06
Lines, Cable Network etc	445,560.04	63,508.59	1,551.06	507,517.57	160,894.12	19,966.88	4,227.15	176,861.80	330,655.77	284,665.92
Vehicles	157.14	-	-	157.14	95.72	2.25	1.27	96.70	60.44	61.42
Furnitures & Fixtures	179.59	15.56	-	195.15	91.96	5.27	(0.15)	97.38	97.77	87.63
Office Equipments	556.78	342.50	-	899.28	236.67	73.53	4.08	306.12	593.16	320.11
Sub Total	1,027,082.05	318,296.99	70,133.56	1,275,245.48	224,862.12	41,654.82	8,231.83	258,285.10	1,016,960.38	802,219.93
Lines, Cable Network Etc (Bay) (Asset Not In Possession of Puvvnl)	3,688.09	773.36	-	4,461.45	264.81	162.99	-	427.80	4,033.65	3,423.28
Total	1,030,770.14	319,070.35	70,133.56	1,279,706.93	225,126.93	41,817.81	8,231.83	258,712.90	1,020,994.03	805,643.21

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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U. P. Power Corporation Limited)
VIDYUT NAGAR , BHIKHARIPUR, D. L. W., VARANASI



CAPITAL WORK -IN- PROGRESS

Note - 3

(₹ in Lakhs)

PARTICULARS	AS AT 01-04-2019	ADDITIONS	DEDUCTIONS/ ADJUSTMENTS	CAPITALISED DURING THE YEAR	AS AT 31-3-2020
Capital Work in Progress	430,864.85	425,955.26	-	643,104.39	213,715.72
Sub Total (A)	430,864.85	425,955.26	-	643,104.39	213,715.72
Advances to Suppliers / Contractors (Net of Provisions)	163,720.32	14,818.27	130,892.37	-	47,646.22
Sub Total (B)	163,720.32	14,818.27	130,892.37	-	47,646.22
Total (A+B)	594,585.17	440,773.53	130,892.37	643,104.39	261,361.94

PARTICULARS	AS AT 01-04-2018	ADDITIONS	DEDUCTIONS/ ADJUSTMENTS	CAPITALISED DURING THE YEAR	AS AT 31-3-2019
Capital Work in Progress	254,491.72	494,670.13	-	318,296.99	430,864.86
Sub Total (A)	254,491.72	494,670.13	-	318,296.99	430,864.86
Advances to Suppliers / Contractors (Net of Provisions)	139,286.81	88,798.56	64,365.05	-	163,720.32
Sub Total (B)	139,286.81	88,798.56	64,365.05	-	163,720.32
Total (A+B)	393,778.53	583,468.70	64,365.05	318,296.99	594,585.18

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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

(A wholly owned subsidiary of U. P. Power Corporation Limited)

VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI



(₹ in Lakhs)

Sl. No.	PARTICULARS	As at 31st March, 2020		As at 31st March, 2019	
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INVENTORIES

NOTE - 4

Store & Spares					
1	Stock of Materials :				
	(a) Capital	48,650.55		33,219.98	
	(b) O&M	21,532.77	70,183.32	38,611.92	71,831.90
2	Other Materials :	19,694.66		17,038.17	
	Less: Provision for Unserviceable Stores	(6,297.50)	13,397.16	(6,297.50)	10,740.67
			83,580.48		82,572.57

FINANCIAL ASSETS -TRADE RECEIVABLES (CURRENT)

NOTE - 5

Trade Receivable Outstanding From Customers on account of Supply of Power					
For a Period More Than Six Months					
1	Secured and Considered Good	36,406.53		2,054.13	
2	Unsecured and Considered Good	2,095,602.21		2,008,077.47	
3	Unsecured and Considered Doubtful	210,113.50	2,342,122.24	188,782.49	2,198,914.09
Trade Receivable Outstanding From Customers on account of Supply of Power					
For a Period Less Than Six Months					
1	Secured and Considered Good	1,253.94		33,018.87	
2	Unsecured and Considered Good	276,522.43		122,573.32	
3	Unsecured and Considered Doubtful	12,495.40	290,271.77	17,032.27	172,624.46
	TOTAL (A)		2,632,394.01		2,371,538.55
Trade Receivable Outstanding From Customers on account of Electricity Duty					
For a Period More Than Six Months					
1	Secured and Considered Good	4,928.04		224.78	
2	Unsecured and Considered Good	213,946.79		219,737.21	
3	Unsecured and Considered Doubtful	18,999.23	237,874.06	20,657.84	240,619.83
Trade Receivable Outstanding From Customers on account of Electricity Duty					
For a Period Less Than Six Months					
1	Secured and Considered Good	397.92		5,118.16	
2	Unsecured and Considered Good	93,497.31		18,999.73	
3	Unsecured and Considered Doubtful	3,965.20	97,860.43	2,640.12	26,758.01
	TOTAL (B)		335,734.49		267,377.85
	Less : Provision for Bad & Doubtful Debts (C)		245,573.34		229,112.72
	TOTAL (A+B)-C		2,722,555.16		2,409,803.68

FINANCIAL ASSETS -CASH AND CASH EQUIVALENTS (CURRENT)

NOTE - 6

1	Balances in Current and other Accounts				
2	Cash in hand :		90,211.66		107,053.28
	(a) Cash in Hand	779.36		8,173.54	
	(b) Cash imprest with staff	348.64	1,128.00	706.75	8,880.29
			91,339.66		115,933.57

FINANCIAL ASSETS -BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS (CURRENT)

NOTE - 7

Fixed Deposits with Scheduled Banks		71.00			73.93
(Original Maturity more than three months)					
		71.00			73.93

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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U. P. Power Corporation Limited)
VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI



Sl. No.	PARTICULARS	As at 31st March, 2020	As at 31st March, 2019	(₹ in Lakhs)
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FINANCIAL ASSETS-OTHERS (CURRENT)

NOTE - 8

1	Receivable from Employees	8,387.08		
	Less: Provision for Doubtful Receivable from Employees	838.71		
2	Receivable from UPPTCL	7,548.37	8,423.23	7,580.91
3	Receivable from KESCO	658.04	842.32	658.04
4	Receivable from U.P.R.V.U.N.L	437.97		475.41
5	Receivable from Pashimanchal VVNL	13.29		13.29
6	Receivable from UPPCL :	294.24		255.77
	On account of Loan			
	Payable to UPPCL	(7,100,604.47)	(5,672,041.92)	
	Receivable From UPPCL	7,210,464.83	5,786,243.83	
	Other Payable	(14,612.33)	(8,579.71)	
7	Receivable from GoUP	95,248.03		105,622.20
8	Other Receivables	20,460.27		25,955.51
9	Suppliers/Contractors	24,462.47		16,417.82
	Less: Provision for Doubtful Advances	309.03	73.02	
		30.90	7.30	
		278.13		65.72
		<u>149,400.81</u>	<u>157,044.67</u>	

OTHER CURRENT ASSETS

NOTE - 9

1	Interest Accrued & Due	63.45		155.66
2	Interest Accrued but not Due	36.47		218.91
3	Prepaid Expenses	7.52		7.52
4	Theft of Fixed Assets pending investigation	5.27	5.27	
	Less: Provision for estimated loss	5.27	5.27	
5	Tax Deducted at Source			
6	Inter Unit Transfers	1,056.95		871.06
		137,666.48		193,534.54
		<u>138,830.87</u>	<u>194,787.69</u>	

EQUITY SHARE CAPITAL

NOTE - 10

AUTHORISED SHARE CAPITAL:

300000000 Equity Shares of Rs.1,000 each (Previous year 300000000 equity shares of Rs. 1,000 each)	3,000,000.00	3,000,000.00
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ISSUED, SUBSCRIBED AND PAID UP SHARE CAPITAL:

192127897 Equity Shares of Rs. 1,000/- each fully paid up (Previous year 159907991 equity shares of Rs. 1,000 each)	1,921,278.97	1,599,079.91
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Total Issued, Subscribed and Fully paid up Share Capital

	<u>1,921,278.97</u>	<u>1,599,079.91</u>
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(a) Reconciliation of Shares outstanding at the beginning and at the end of the reporting period :

	31.03.2020		31.03.2019	
	No. of Shares	(₹ in Lakhs)	No. of Shares	(₹ in Lakhs)
At the beginning of the period	159907991	1,599,079.91	136218625	1,362,186.25
Issued during the period	32219906	322,199.06	23689366	236,893.66
At the end of the period	192127897	1,921,278.97	159907991	1,599,079.91

(b) Terms / Rights attached to the Equity Shares :

The company has only one class of equity shares having par value of Rs. 1,000 per share. Each holder of equity shares is entitled to one vote per share.

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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

(A wholly owned subsidiary of U. P. Power Corporation Limited)

VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI



Sl. No.	PARTICULARS	As at 31st March, 2020	As at 31st March, 2019
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(c) Shares held by Holding Company :

The Company is wholly owned subsidiary of U.P.Power Corporation Limited. Out of the equity shares issued by the company, the shares held by its holding company are as follows:-

	31.03.2020		31.03.2019	
	No. of Shares	(₹ in Lakhs)	No. of Shares	(₹ in Lakhs)
U. P. Power Corporation Limited (Equity Shares of Rs. 1,000 each fully paid up)	192127397	1,921,273.97	159907491	1,599,074.91
Total	192127397	1,921,273.97	159907491	1,599,074.91

Notes:-

- Out of Total 192127897 Equity shares (Previous year : 159907991 equity shares) 32219906 equity shares (Previous year : 23689366 equity shares) allotted during the year and fully paid against consideration of cash to UPPCL.
- Out of Total 192127897 Equity shares (Previous year : 159907991 equity shares) 500 equity shares (Previous year : 500 equity shares) allotted to promoters in their personal names being subscriber of the Memorandum & Articles of Association and the said equity shares transfers from the person who transfer from key post to the name of person who join the key post.

(A) Share Application Money :

OTHER EQUITY

NOTE - 11

Opening balance		
Add:- Share Application money received during the year	270,769.27	236,893.67
Less:- Share allotted during the year	85,901.04	270,769.26
Closing Balance	322,199.06	236,893.66
	34,471.25	270,769.27

(B) Capital Reserves

(i) Consumers Contribution towards Service Line and other charges :

Opening Balance		
Add: Additions during the year	160,457.76	142,286.73
Less: Deductions/Adjustments	15,709.89	28,349.29
Closing Balance	11,212.61	10,178.26
	164,955.04	160,457.76

(ii) Subsidies towards Cost of Capital Assets :

Opening Balance		
Add: Additions during the year	572,122.80	444,991.02
Less: Deductions/Adjustments	130,820.54	128,180.67
Closing Balance	1,131.93	1,048.89
Total Capital Reserve (i+ii)	701,811.41	572,122.80
	866,766.45	732,580.56

(C) Other Reserve

Restructuring Reserve		
Less: Deductions/Adjustments	(0.00)	(0.00)
Total	(0.00)	(0.00)

(D) Statement of Profit & Loss Account : Surplus/(Deficit)

Opening Balance brought forward		
Less: Extraordinary Items:	(1,937,936.81)	(1,838,583.03)
	-	-
Add: Net Profit / (Loss) for the Year(Before Extraordinary Items)	(1,937,936.81)	(1,838,583.03)
Prior Period Adjustments	(122,299.06)	(98,889.40)
Total	(2,060,235.87)	(464.38)
Grand Total (A+B+C+D)	(1,158,998.17)	(1,937,936.81)
		(934,586.98)

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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

(A wholly owned subsidiary of U. P. Power Corporation Limited)

VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI



(₹ in Lakhs)

Sl. No.	PARTICULARS	As at 31st March, 2020	As at 31st March, 2019
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FINANCIAL LIABILITIES -BORROWINGS (NON-CURRENT)

NOTE - 12

(A) Direct Received from Financial Institutions :			
(a) Secured Loan			
	REC		
	Sub Total	132,786.61	109,320.77
		<u>132,786.61</u>	<u>109,320.77</u>
(b) Unsecured Loan			
	PFC		
	Sub - Total	97,873.86	72,306.65
	Total - A	<u>97,873.86</u>	<u>72,306.65</u>
		<u>230,660.47</u>	<u>181,627.42</u>
(B) Loan through UPPCL :			
(a) Secured Loan :			
	8.97% Rated Listed Bond	157,800.00	184,100.00
	10.15% Rated Listed Bond	150,763.52	172,301.18
	9.75% Rated Listed Bond	125,597.65	144,204.70
	8.48% Rated Listed Bond	96,642.86	112,750.00
	Sub Total	<u>530,804.03</u>	613,355.88
		<u>530,804.03</u>	<u>613,355.88</u>
(b) Unsecured Loan :			
	PFC		
	REC	225,022.65	185,760.06
	9.7 % UDAY Bond	129,842.02	141,706.00
	Interest Free Loan (UDAY)	238,969.20	239,599.30
	Loan from State Govt	-	107,421.58
	Sub-Total	13,984.44	15,538.27
	Total - B	<u>607,818.31</u>	<u>690,025.21</u>
	Grand Total	<u>1,138,622.34</u>	<u>1,303,381.09</u>
		<u>1,369,282.81</u>	<u>1,485,008.51</u>

NOTE - 13

FINANCIAL LIABILITIES- OTHER FINANCIAL LIABILITIES (NON-CURRENT)

1	Security Deposits from Consumers	42,986.43	40,415.93
2	Staff Related Liabilities :		
	Liability for Leave Encashment	19,140.29	15,132.38
	Liability for Gratuity of CPF Employees	6,532.01	4,442.28
		<u>68,658.73</u>	<u>59,990.60</u>

NOTE - 14

FINANCIAL LIABILITIES- BORROWINGS (CURRENT)

Unsecured:			
NOIDA		4,299.45	4,299.45
		<u>4,299.45</u>	<u>4,299.45</u>

FINANCIAL LIABILITIES-TRADE PAYABLES (CURRENT)

NOTE - 15

1	Liability for Purchase of Power from Holding Company	1,796,840.82	1,449,421.62
2	Liability for Purchase of Power From Others	1,276.21	418.78
3	Liability for Transmission Charges	131,235.59	97,367.37
		<u>1,929,352.62</u>	<u>1,547,207.77</u>



PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

(A wholly owned subsidiary of U. P. Power Corporation Limited)

VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI



(₹ in Lakhs)

Sl. No.	PARTICULARS	As at 31st March, 2020	As at 31st March, 2019
<u>OTHER FINANCIAL LIABILITIES</u>			
NOTE - 16			
1	Current Maturity of Long Term borrowings		
2	Liability for Capital Supplies/Works	154,094.58	66,472.15
3	Liability for O&M Supplies/works	244,320.09	277,555.76
4	Staff Related Liabilities	43,249.94	43,489.41
5	Liability for Leave Encashment	25,675.45	26,111.48
6	Deposits & Retentions from Suppliers & Other	1,982.98	1,723.50
7	Electricity Duty & Other Levies Payable to Govt.	160,048.41	158,947.73
8	Sundry Liabilities	94,916.81	126,364.08
9	Liabilities for Expenses	6,262.77	7,267.27
10	Liability towards Power Sector Employees Trust :	3,740.12	2,844.53
	(a) CPF Liability		
	(b) Provident Fund	1,534.50	89.64
	(c) Pension and Gratuity Liabilities	23,893.93	21,946.94
	(d) Liability for Gratuity of CPF Employees	9,165.63	9,193.04
11	Payable to Madhyanchal VVNL	207.17	227.22
12	Payable to Dakshinanchal VVNL	34,801.23	31,456.84
13	Interest on Security Deposits from Consumers	7,694.74	7,610.65
14	Deposits for Electrification Works	2,699.24	2,573.72
15	Interest Accrued but not Due on Borrowings	5,877.85	5,166.66
		49,190.92	46,604.08
		11,645.81	10,608.19
		<u>846,200.94</u>	<u>814,796.06</u>

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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

(A wholly owned subsidiary of U. P. Power Corporation Limited)



(₹ in Lakhs)

Sl. No	PARTICULARS	As at 31st March, 2020	As at 31st March, 2019
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NOTE - 17

REVENUE FROM OPERATIONS

Large Supply Consumers			
Industrial	149,152.00		134,336.77
Traction	3,077.07		19,864.73
Irrigation	43,738.88		40,549.79
Public Water Works	35,008.44	230,976.39	32,016.21
			226,767.50
Small & Other Consumers			
Domestic	479,908.34		365,847.00
Commercial	182,464.28		204,568.56
Industrial Low & Medium Voltage	45,298.81		46,280.98
Public Lighting	16,165.05		12,836.95
STW & Pump Canals	71,599.49		78,372.43
PTW & Sewage Pumping	41,654.96	837,090.93	33,320.38
Other Miscellaneous Charges from consumers		67,140.08	106,844.66
Energy Internally Consumed		28,933.60	28,854.56
Sub Total		1,164,141.00	1,103,693.01
Add:-Electricity Duty		74,753.21	72,290.68
Sub Total		1,238,894.21	1,175,983.69
Less:-Electricity Duty		74,753.21	72,290.68
Total		1,164,141.00	1,103,693.01

NOTE - 18

OTHER INCOME

(A) Interest from :			
Fixed Deposit	1,486.34		299.82
Prior Period Adjustment	-	1,486.34	26.38
			326.19
(B) Other Non-Operating Income :			
Delayed Payment Charges		26,474.35	29,406.12
Income from Contractor & Suppliers	280.87		923.84
Prior Period Adjustment	-	280.87	(305.17)
Rental from Staff		11.97	7.97
Miscellaneous Receipts	234.21		82.08
Prior Period Adjustment	-	234.21	(1.30)
Excess Found on physical Verification of Stores / Fixed Assets		0.53	0.63
(C) Subsidies from Government of Uttar Pradesh :			
RE Subsidy from Govt. of UP	39,001.06		30,083.22
Revenue Subsidy from Govt. of U.P.	289,907.88		307,532.88
Additional Subsidy as per UDAY loss	78,002.09		20,837.78
Subsidies for Government Guarantee Loan	6,167.77	413,078.80	14,498.92
Total		441,567.07	403,393.15

NOTE - 19

COST OF POWER PURCHASE

Purchases from Holding Company - U.P. Power Corporation Ltd.	1,291,061.47	1,244,749.22
Purchases from Others	857.44	618.78
Transmission Charges	80,402.60	53,804.64
Total	1,372,321.51	1,299,172.64

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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

(A wholly owned subsidiary of U. P. Power Corporation Limited)



(₹ in Lakhs)

Sl. No	PARTICULARS	As at 31st March, 2020	As at 31st March, 2019
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NOTE - 20

EMPLOYEES BENEFIT EXPENSES

Salaries & Allowances	49,159.78		43,121.66
Prior Period Adjustment	-	49,159.78	12.63
Dearness Allowance		7,550.81	4,632.84
Other Allowances		3,178.06	2,340.13
Bonus / Ex-Gratia		325.79	258.47
Re-imbursment of Medical Expenses		804.00	611.03
Leave Travel Assistance		0.30	-
Earned Leave Encashment		6,367.06	6,047.70
Staff Welfare and other Expenses		169.58	66.74
Pension & Gratuity	5,890.71		5,296.50
Add:- Other Comprehensive income of Gratuity	(1,868.87)	4,021.84	(950.49)
Other Terminal Benefits		3,525.70	1,629.65
Interest of GPF		1,779.51	1,696.20
Compensation		72.17	102.52
		76,954.60	64,865.59
Less: Expenses Capitalized		46,033.22	36,018.92
Total		30,921.38	28,846.67

NOTE - 21

FINANCE COST

Interest on Loan :			
Interest on Bonds	81,881.95		84,117.75
Interest on Borrowings for Working Capital	3,103.05		3,073.23
Power Finance Corporation Limited	32,370.38		23,095.34
Rural Electrical Corporation Limited	32,528.60	149,883.98	24,080.92
			134,367.24
Other Borrowing Costs :			
Interest to Consumers		2,424.96	2,207.43
Finance Charges		806.78	624.24
Bank Charges		33.48	242.23
Service Fees		-	0.01
		153,149.20	137,441.15
Less : Interest Capitalised		22,536.28	17,094.80
Total		130,612.92	120,346.35

NOTE - 22

DEPRECIATION AND AMORTIZATION EXPENSES

Depreciation On :			
Buildings	344.39		324.01
Other Civil Works	30.89		16.13
Plant & Machinery	29,326.45		21,266.75
Vehicles	0.98		2.25
Furniture & Fixtures	7.06		5.27
Lines, Cable Network etc	24,975.00		19,966.88
Office Equipments	255.74		39.64
Prior Period Adjustment	-	54,940.51	33.89
			41,654.82
Amortisation on Capital assets not belonging to PuVVNL		186.48	162.99
		55,126.99	41,817.81
Less - Equivalent amount of depreciation on assets acquired out of the Consumer's contribution & Government of Uttar Pradesh Subsidy		12,344.54	11,227.15
Total		42,782.45	30,590.66

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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

(A wholly owned subsidiary of U. P. Power Corporation Limited)



Sl. No

PARTICULARS

As at
31st March, 2020

As at
31st March, 2019

(₹ in Lakhs)

NOTE - 23

ADMINISTRATIVE, GENERAL & OTHER EXPENSES

Rent		164.22		220.49
Insurance		102.20		121.39
Communication Charges	2,190.18		296.02	
Prior Period Adjustment			(0.01)	
Legal Charges	-	2,190.18		296.01
Auditors Remuneration Exps. :		320.63		735.94
Audit Fee	123.31		180.90	
Travelling Expenses	0.20	123.51	6.59	187.49
Consultancy Charges		360.60		1,329.17
Technical Fees & Professional Charges		280.01		297.85
Travelling and Conveyance		881.40		910.82
Printing and Stationery	493.57		369.26	
Prior Period Adjustment			4.19	373.45
Advertisement Expenses	567.56	493.57	413.74	
Prior Period Adjustment			(112.56)	
Electricity Charges		567.56		301.18
Expenditure on Trust		16,244.36		9,500.43
Miscellaneous Expenses		69.24		57.43
Prior Period Adjustment	5,465.20		5,503.74	
Expenses Incurred for revenue Realisation Compensation (Other than staff)		5,465.20	(99.54)	5,404.20
Fees & Subscription		17,553.61		7,561.34
		799.44		702.28
		357.60		1,099.88
Total		45,973.33		29,099.35

NOTE - 24

REPAIRS AND MAINTENANCE EXPENSES

Plant & Machinery		41,006.98		31,740.36
Buildings		408.24		5,704.93
Civil Work		101.50		80.26
Vehicles - Expenditure	998.67		633.38	
Less - Transfer to different Capital & O&M Work	998.67		633.38	
Furniture & Fixtures		4.04		4.35
Office Equipments		176.59		36.83
Lines Cables net work etc.	45,285.24		39,767.71	
Prior Period Adjustment			9.34	39,777.05
Total		45,285.24		77,343.78
		86,982.59		

NOTE - 25

BAD DEBTS & PROVISIONS

Bad and Doubtful Debts		63.48		-
Provision for Doubtful Debts (Sale of Power)		16,460.61		19,672.39
Provision for Doubtful Other Current Assets (Receivables)		(3.61)		(44.82)
Provision for Bad & doubtful Debts-advances to supplier/Contractor		23.60		(1.95)
Total		16,544.08		19,625.62

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Purvanchal Vidyut Vitran Nigam Limited

(A wholly owned subsidiary of U. P. Power Corporation Limited)
VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI

Details of Current Maturity as on 31st March, 2020

Name of Banks/Financial Institutions	Current Maturity		
	UPPCL	PuVVNL	Total
Financial Institution			
REC-Transitional	36,093.81	-	36,093.81
PFC-Transitional	27,126.64	-	27,126.64
9.70% UDAY Bond	630.10	-	630.10
8.97% Rated Bond	26,300.00	-	26,300.00
8.48% Rated Bond	16,107.14	-	16,107.14
9.75% Rated Bond	18,607.06	-	18,607.06
10.15% Rated Bond	21,537.65	-	21,537.65
REC-R-APDRP Part -B	-	5,699.18	5,699.18
PFC-R-APDRP Part -B	-	983.63	983.63
IPDS	-	1,009.37	1,009.37
Total	146,402.40	7,692.18	154,094.58

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PRAKASH
DIXIT**

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Summary of Power Purchase from Own Stations and Other Sources

Sl No	Source	FY 2019-20					Average Energy Cost at Interface Point (Rs./kWh)
		Total Units (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)	
A	Long term Sources						
a	Power procured from own Generating Stations (if any)						
b	From State Generating Stations Thermal						
1	ANPARA-A	3,914.45	303.77	709.93	0.48	1,014.18	2.59
2	ANPARA-B	6,470.88	298.89	1,117.95	13.09	1,429.93	2.21
3	PANKI	-	-	-	-	-	-
4	PARICHA	200.56	45.82	72.30	13.29	131.42	6.55
3	PARICHA EXT.	1,927.82	333.66	644.69	2.59	980.94	5.09
4	OBRA-A	-	-	-	-	-	-
5	OBRA-B	3,324.45	249.93	702.51	7.20	959.64	2.89
6	HARDUAGANJ	158.52	78.98	56.17	2.67	137.81	8.69
7	HARDUAGANJ EXT.	2,850.79	532.38	956.02	2.84	1,491.24	5.23
8	PARICHA EXT. STAGE-II	1,305.98	332.74	437.66	1.62	772.02	5.91
9	ANPARA-D	5,164.05	822.99	876.17	4.27	1,703.43	3.30
10	Panki Extension	-	-	-	-	-	-
11	HARDUAGANJ EXT. Stage II	-	-	-	-	-	-
12	OBRA-C	-	-	-	-	-	-
13	Jawaharpur	-	-	-	-	-	-
	UPRVUNL Consolidated	-	-	-	-40.06	-40.06	-
	Sub-Total	25,317.52	2,999.16	5,573.40	8.00	8,580.56	3.39
c	From State Generating Stations Hydro						
1	RIHAND	365.88	15.08	21.00	-0.00	36.08	0.99
2	OBRA (H)	187.20	10.99	7.81	-0.00	18.80	1.00
3	MATATILA	47.71	1.94	1.54	-0.00	3.48	0.73
4	KHARA	313.83	11.64	11.61	-0.00	23.25	0.74
5	UGC	20.08	-	5.68	-	5.68	2.83
6	SHEETLA	1.96	-	0.30	-	0.30	1.54
7	BELKA	1.54	-	0.33	-	0.33	2.12
8	BABAIL	-0.03	-	-0.01	-	-0.01	2.95
	Sub-Total	938.17	39.66	48.26	-0.01	87.91	0.94
d	From Central Sector Generating Stations						
a	Thermal (NTPC)						
1	ANTA GPS	160.12	57.77	114.29	0.49	172.55	10.78
2	AURAIYA GPS	172.73	113.41	82.69	5.38	201.48	11.66
3	DADRI GPS	784.83	120.79	452.57	18.76	592.13	7.54
4	JHANOR GPS	2.17	0.25	1.09	-0.00	1.34	6.20
5	KAWAS GPS	9.13	0.69	3.07	-	3.75	4.11
6	TANDA TPS	1,827.85	368.18	557.59	19.85	945.62	5.17
7	FGUTPS-1	971.68	186.59	330.27	13.59	530.45	5.46
8	FGUTPS-2	535.05	93.73	184.29	7.57	285.59	5.34
9	FGUTPS-3	299.24	61.69	102.08	4.12	167.89	5.61
10	FGUTPS-4	1,013.38	251.03	325.78	13.72	590.52	5.83
11	FSTPS	191.25	19.22	46.56	0.84	66.62	3.48
12	KHTPS-1	369.78	54.92	83.32	-	138.24	3.74
13	KHTPS-2	1,320.87	192.22	281.97	-	474.18	3.59
14	NCTPS-1	301.41	56.15	124.52	1.70	182.38	6.05
15	NCTPS-2	607.39	117.60	145.31	5.18	268.09	4.41
16	RIHAND-1	2,206.96	199.98	303.60	-5.60	497.97	2.26
17	RIHAND-2	2,091.09	155.50	283.72	-	439.23	2.10
18	RIHAND-3	2,653.35	345.39	363.14	5.54	714.07	2.69
19	SINGRAULI	5,100.45	357.68	708.92	-	1,066.59	2.09
20	KORBA-I STPS	24.10	1.66	3.25	0.00	4.90	2.03

Sl No	Source	FY 2019-20					Average Energy Cost at Interface Point (Rs./kWh)
		Total Units (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)	
21	KORBA-III STPS	21.76	1.34	1.25	0.00	2.59	1.19
22	MAUDA-I STPS	37.64	8.37	12.10	0.17	20.64	5.48
23	MAUDA-II STPS	41.90	8.75	13.52	0.13	22.41	5.35
24	SOLAPUR TPS	1.13	4.32	0.40	0.02	4.74	42.09
25	SIPAT-I	38.55	4.99	4.90	0.00	9.89	2.57
26	SIPAT-II STPS	15.03	1.96	2.17	-0.00	4.14	2.75
27	VINDHYACHAL-I STPS	32.44	2.95	5.70	-	8.65	2.67
28	VINDHYACHAL-II STPS	16.85	1.35	2.82	-	4.17	2.47
29	VINDHYACHAL-III STPS	23.62	2.44	3.96	-0.00	6.39	2.71
30	VINDHYACHAL-IV STPS	19.25	3.35	3.14	0.00	6.49	3.37
31	VINDHYACHAL-V STPS	14.22	2.33	2.40	0.02	4.75	3.34
32	Tanda II	1,184.70	216.12	260.65	10.06	486.84	4.11
34	SINGRAULI STAGE III	-	-	-	-	-	-
35	Indira Gandhi STPS, Jhajjar	-	-	-	-	-	-
36	GADARWARA STPS-I	1.92	2.49	0.67	0.03	3.19	16.61
37	LARA STPS-I	4.52	1.46	1.11	-	2.57	5.68
38	KHARGONE STPS	1.49	0.42	0.44	-	0.86	5.75
	NTPC CONSOLIDATED	-	-	-	69.32	69.32	-
	Sub-Total	22,097.86	3,017.10	4,813.27	170.90	8,001.26	3.62
e	NPCIL						
1	KAPS	6.73	-	1.71	-0.22	1.49	2.21
2	NAPP	1,229.14	-	391.71	-63.15	328.56	2.67
3	TAPP-3 & 4	21.33	-	6.74	1.31	8.05	3.77
4	RAPP-3 & 4	519.36	-	181.07	1.78	182.84	3.52
5	RAPP-5 & 6	889.26	-	360.56	-226.06	134.51	1.51
	Sub-Total	2,665.82	-	941.80	-286.35	655.45	2.46
f	Hydro (NHPC)						
1	SALAL	265.15	19.88	16.33	9.84	46.05	1.74
2	TANAKPUR	102.67	20.31	16.37	15.34	52.02	5.07
3	CHAMERA-I	532.76	40.23	60.79	-1.32	99.70	1.87
4	URI	664.14	53.33	54.59	4.77	112.69	1.70
5	CHAMERA-II	338.92	24.04	34.06	-0.92	57.18	1.69
6	DHAULIGANGA	334.88	42.95	40.63	-0.98	82.60	2.47
7	DULHASTI	556.47	122.34	146.82	2.46	271.63	4.88
8	SEWA-II	173.34	44.62	41.80	0.44	86.86	5.01
9	CHAMERA-III	274.49	57.72	54.07	2.85	114.64	4.18
10	URI-II	435.41	83.26	78.38	6.37	168.01	3.86
11	PARBATI-III	180.47	74.62	27.77	-0.82	101.58	5.63
12	KISHANGANGA	398.90	77.61	69.75	46.37	193.73	4.86
13	PARBATI-II	-	-	-	-	-	-
14	SUBANSIRI LOWER	-	-	-	-	-	-
15	PAKALDUL	-	-	-	-	-	-
	NHPC CONSOLIDATED	-	-	-	233.00	233.00	-
	Sub-Total	4,257.62	660.91	641.37	317.41	1,619.68	3.80
g	HYDRO (NTPC)						
1	KOLDAM HPS	730.73	191.78	174.87	1.81	368.45	5.04
2	TAPOVAN VISHNUGARH	-	-	-	-	-	-
3	LATA TAPOVAN HEP	-	-	-	-	-	-
4	SINGRAULI SHPS	4.90	-	3.10	-	3.10	6.34
	Sub-Total	735.63	191.78	177.97	1.81	371.56	5.05
h	THDC						
	HYDRO						
1	TEHRI	1,229.28	280.46	277.18	236.84	794.48	6.46
2	KOTESHWAR	500.49	124.70	113.77	0.24	238.71	4.77
3	Dhukwan SHP- THDC	2.72	-	0.66	-	0.66	2.44
4	VISHNUGARH PIPAL KOTHI	-	-	-	-	-	-
	Thermal						
1	KHURJA STPP	-	-	-	-	-	-

Sl No	Source	FY 2019-20					Average Energy Cost at Interface Point (Rs./kWh)
		Total Units (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)	
	Sub-Total	1,732.49	405.17	391.61	237.08	1,033.86	5.97
i	SIVN	-	-	-	-	-	-
1	RAMPUR	356.84	72.40	71.79	2.11	146.31	4.10
2	NATHPA JHAKRI	1,374.11	154.05	169.13	28.68	351.87	2.56
	Sub-Total	1,730.95	226.46	240.92	30.79	498.18	2.88
j	NEEPCO						
1	Kameng HEP	-	-	-	-	-	-
k	IPP/IV						
	HYDRO						
1	TALA	118.90	-	25.68	-	25.68	2.16
2	VISHNU PRAYAG	1,731.42	24.28	226.02	28.69	278.98	1.61
3	KARCHAM	917.72	152.04	154.29	109.22	415.55	4.53
4	TEESTA-III	897.63	239.62	222.19	51.97	513.78	5.72
5	SRI NAGAR HEP	1,351.33	387.98	313.11	-	701.09	5.19
6	Rajghat Hydro	-	-	-	-	-	-
	Thermal						
1	Meja Thermal Power Plant	847.10	247.02	260.61	15.00	522.63	6.17
2	LANCO	6,725.85	637.11	1,356.15	139.49	2,132.75	3.17
4	BEPL BARKHERA	82.96	92.42	30.70	-12.22	110.91	13.37
5	BEPL KHAMBHAKHERA	73.16	89.64	26.96	0.65	117.26	16.03
6	BEPL KUNDRAKHI	116.26	89.36	37.89	0.87	128.12	11.02
7	BEPL MAQSODAPUR	93.89	85.71	35.04	0.84	121.59	12.95
8	BEPL UTRAULA	109.72	89.94	37.54	70.94	198.42	18.08
9	KSK MAHANADI	4,772.38	1,219.31	1,331.69	55.93	2,606.94	5.46
10	LALITPUR	6,916.87	2,858.00	2,044.09	548.75	5,450.85	7.88
11	M.B.POWER	2,273.46	669.32	435.51	246.37	1,351.20	5.94
12	PRAYAGRAJ POWER	8,472.86	1,247.90	2,068.15	159.72	3,475.77	4.10
13	R.K.M.POWER	2,074.84	547.47	389.43	-57.63	879.27	4.24
14	ROSA-1&2	5,632.62	1,269.43	1,729.06	142.92	3,141.41	5.58
15	SASAN	3,778.25	55.68	434.43	21.48	511.59	1.35
16	TRN ENERGY	1,599.77	292.24	264.81	-16.31	540.74	3.38
17	NABINAGAR POWER PROJECT	235.18	76.33	48.66	-1.14	123.84	5.27
	APCPL	196.74	42.11	89.82	20.27	152.20	7.74
	Sub-Total	49,018.91	10,412.91	11,561.86	1,525.80	23,500.57	4.79
	Total	108,494.96	17,953.14	24,390.46	2,005.42	44,349.02	4.09
B	Medium term Sources						
C	Short term Sources						
	Other Sources Sub-total						
D	Cogen/ Captive						
	Bagasse/Cogen/ CPP 1	3,717.72	-	1,399.94	-204.38	1,195.56	3.22
	Bagasse/Cogen/ CPP 2						
	Sub-Total Cogen/ Captive	3,717.72	-	1,399.94	-204.38	1,195.56	3.22
E	Bilateral & Others (Power purchased through Trading)						
1	Solar (Existing)						
2	Sub-Total Solar	2,217.21	-	1,013.33	27.49	1,040.82	4.69
3							
4							
5							
6							
7							
G	Non-Solar (Renewable)						

Sl No	Source	FY 2019-20					Average Energy Cost at Interface Point (Rs./kWh)
		Total Units (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)	
1	WIND (Existing)						
2	WIND	950.88	-	326.21	-	326.21	3.43
3	WIND (FY 21)						
4	WIND (FY 22)						
5	Biomass Existing						
6	Biomass FY 20						
7	MSW						
	Sub-total RE other than solar	950.88	-	326.21	-	326.21	3.43
H	NVVN Thermal	677.59	-	310.99	24.11	335.10	4.95
	NVVN Solar	492.03	-	180.74	9.88	190.62	3.87
I	Short Term Sources						
J	REC						
K	Banking						
L	Transmission Charges	-	-	-	5,390.84	5,390.84	-
	RRAS						
	OTHER SOURCES						
1	UI Charges	-169.93	-	191.40	1.44	192.84	(11.35)
2	Reactive Energy Charges	-	-	-	7.09	7.09	-
3	OA	1,717.56	-	917.48	13.77	931.25	5.42
4	Fwd/Rev Banking	-	-	-	51.90	51.90	-
5	IEX Purchase	1,140.29	-	498.95	0.04	498.99	4.38
6	IEX sale	1,097.37	-	292.76	-	292.76	2.67
	Sub Total	1,590.54	-	1,315.07	74.23	1,389.31	8.73
	PTC Unverified Power Purchase	-	-	-	116.21	116.21	-
	Any Other Charges						
	Less						
	Late Payment Surcharge						
	Grand Total	118,140.93	17,953.14	28,936.73	7,443.81	54,333.68	4.60

Note: 1. Power Purchase details to be submitted should be linked in excel sheet.

2. Information to be provided for Past Year, True-Up Year, APR Year and each year of the Control Period.

3. Sub-total of State thermal, State Hydro, NTPC Plants, NHPC Plants, NPCIL Plants, SIVNL Plants, THDC, IPPs, State Co-Gen, Solar and Other sources should be provided.

Summary of Power Purchase from Own Stations and Other Sources

Sl No	Source	FY 2020-21							FY 2020-21					
		Plant Capacity (MW)	PLF(%)	Status (Must Run)	Auxiliary Consumption (%)	UP's Share in %	UP's Share in MW	Total Available Units (MU)	Despatched Units after MoD (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)	
A	Long term Sources													
a	Power procured from own Generating Stations (if any)													
b	From State Generating Stations Thermal													
1	ANPARA-A	630	71.73%	Merit	8.50%	100.00%	630.00	3,622.72	3,250.17	258.55	627.70	1.10	887.36	
2	ANPARA-B	1,000.00	83.07%	Merit	6.55%	100.00%	1,000.00	6,797.77	6,914.77	315.42	1,224.83	-	1,540.25	
5	PARICHHA EXT.	420.00	67.72%	Merit	9.00%	100.00%	420.00	2,267.59	1,186.20	333.66	431.32	-	764.98	
7	OBRA-B	1,000.00	43.17%	Merit	9.70%	100.00%	1,000.00	3,408.82	3,854.64	309.07	927.02	-	1,236.09	
9	HARDUAGANJ EXT.	500.00	74.78%	Merit	9.00%	100.00%	500.00	2,984.80	2,087.86	532.38	725.66	-	1,258.04	
10	PARICHHA EXT. STAGE-II	660.00	64.17%	Merit	9.00%	75.76%	500.00	2,553.95	1,792.42	486.27	648.63	-	1,134.90	
11	ANPARA-D	1,000.00	55.47%	Merit	6.25%	100.00%	1,000.00	4,541.67	3,082.88	508.94	556.78	-	1,065.71	
12	Panki Extension	660.00	0.00%	Merit	5.75%	100.00%	660.00	-	-	-	-	-	-	
13	HARDUAGANJ EXT. Stage II	660.00	85.00%	Merit	5.75%	100.00%	660.00	-	-	-	-	-	-	
14	OBRA-C	1,320.00	0.00%	Merit	5.75%	100.00%	1,320.00	-	-	-	-	-	-	
15	Jawaharpur	1,320.00	0.00%	Merit	5.75%	100.00%	1,320.00	-	-	-	-	-	-	
16	UPRVUNL Consolidated											47.86	47.86	
	Sub-Total	9,170.00					9,010.00	26,177.31	22,178.87	2,780.44	5,145.61	48.96	7,975.01	
c	From State Generating Stations Hydro													
1	RIHAND	300.00	20.93%	Must Run	1.00%	85.00%	255.00	462.54	685.87	16.51	70.09	22.51	109.12	
2	OBRA (H)	99.00	25.30%	Must Run	1.00%	100.00%	99.00	217.07	345.83	8.92	23.73	0.51	33.15	
3	MATATILA	30.00	34.43%	Must Run	1.00%	66.67%	20.00	59.57	67.15	2.69	4.58	0.00	7.27	
4	KHARA	72.00	48.61%	Must Run	1.00%	80.00%	57.60	243.64	283.24	11.99	13.12	0.34	25.45	
5	UGC	13.70	18.50%	Must Run	1.00%	100.00%	13.70	21.84	25.09	-	7.10	-	7.10	
6	SHEETLA	3.60	7.28%	Must Run	1.00%	100.00%	3.60	2.23	2.49	-	0.48	-	0.48	
7	BELKA	3.00	7.34%	Must Run	1.00%	100.00%	3.00	1.91	3.13	-	0.58	-	0.58	
8	BABAIL	3.00	5.10%	Must Run	1.00%	100.00%	3.00	1.33	0.30	-	0.04	0.23	0.27	
	Sub-Total	524.30					454.90	1,010.12	1,413.10	40.11	119.72	23.59	183.43	
d	From Central Sector Generating Stations													
a	Thermal (NTPC)													
1	ANTA GPS	419.00	31.94%	Merit	2.75%	21.77%	91.20	249.68	232.18	54.35	99.38	0.43	154.16	
2	AURAIYA GPS	663.00	17.50%	Merit	2.75%	32.08%	212.67	315.98	373.04	108.38	157.00	9.56	274.95	
3	DADRI GPS	830.00	34.12%	Merit	2.75%	29.59%	245.61	711.92	846.94	115.11	310.92	12.24	438.26	
4	JHANOR GPS	657.39	38.04%	Merit	2.75%	0.00%	-	-	1.92	0.19	0.39	-	0.58	
5	KAWAS GPS	656.20	70.83%	Merit	2.75%	0.00%	-	-	2.00	0.15	0.40	(0.00)	0.56	
6	TANDA TPS	440.00	74.58%	Merit	11.50%	100.00%	440.00	2,545.11	1,250.40	366.51	401.31	29.75	797.57	
7	FGUTPS-1	420.00	71.47%	Merit	9.00%	59.52%	250.00	1,424.64	737.89	185.08	231.90	18.40	435.38	
8	FGUTPS-2	420.00	87.31%	Merit	9.80%	30.71%	129.00	889.97	399.11	93.17	127.63	13.28	234.08	
9	FGUTPS-3	210.00	87.79%	Merit	9.00%	30.00%	63.00	441.09	268.40	61.36	86.26	9.29	156.91	
10	FGUTPS-4	500.00	43.47%	Merit	6.25%	44.60%	223.00	795.96	958.98	253.68	291.69	23.96	569.33	
11	FSTPS	1,600.00	0.00%	Merit	6.78%	0.00%	-	-	210.04	19.04	57.01	1.47	77.53	
12	KHTPS-1	840.00	0.00%	Merit	9.00%	0.00%	-	-	349.41	52.20	78.88	0.28	131.37	
13	KHTPS-2	1,500.00	130.27%	Merit	6.25%	10.00%	150.00	1,605.38	934.15	155.57	200.36	3.30	359.23	
14	NCTPS-1	840.00	71.61%	Merit	8.50%	10.00%	84.00	482.63	245.41	55.70	82.49	1.16	139.34	
15	NCTPS-2	980.00	81.95%	Merit	5.75%	10.00%	98.00	664.66	262.05	117.23	92.45	6.93	216.62	
16	RIHAND-1	1,000.00	91.29%	Merit	8.00%	32.60%	326.00	2,399.59	1,988.76	186.30	280.55	0.51	467.36	
17	RIHAND-2	1,000.00	91.01%	Merit	6.25%	29.60%	296.00	2,208.96	2,306.32	156.75	324.32	7.70	488.77	
18	RIHAND-3	1,000.00	99.19%	Merit	6.25%	32.00%	320.00	2,604.75	2,632.78	343.07	365.52	14.78	723.37	
19	SINGRAULI	2,000.00	91.83%	Merit	7.13%	37.70%	754.00	5,634.07	4,751.38	352.81	669.96	-	1,022.77	
20	KORBA-I STPS	2,100.00	0.00%	Merit	7.04%	0.00%	-	-	17.95	1.21	2.50	0.01	3.73	

Sl No	Source	FY 2020-21											
		Plant Capacity (MW)	PLF(%)	Status (Must Run)	Auxiliary Consumption (%)	UP's Share in %	UP's Share in MW	Total Available Units (MU)	Despatched Units after MoD (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)
21	KORBA-III STPS	500.00	0.00%	Merit	6.25%	0.00%	-	-	9.53	1.25	1.31	0.03	2.58
22	MAUDA-I STPS	1,000.00	0.00%	Merit	6.25%	0.00%	-	-	3.91	3.44	1.11	0.17	4.72

Sl No	Source	FY 2020-21											
		Plant Capacity (MW)	PLF(%)	Status (Must Run)	Auxiliary Consumption (%)	UP's Share in %	UP's Share in MW	Total Available Units (MU)	Despatched Units after MoD (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)
23	MAUDA-II STPS	1,320.00	0.00%	Merit	6.25%	0.00%	-	-	10.12	4.29	2.96	0.12	7.37
24	SOLAPUR TPS	1,320.00	0.00%	Merit	6.25%	0.00%	-	-	2.91	4.18	0.84	0.02	5.04
25	SIPAT-I	1,980.00	0.00%	Merit	6.25%	0.00%	-	-	33.64	4.58	4.80	0.04	9.41
26	SIPAT-II STPS	1,000.00	0.00%	Merit	6.25%	0.00%	-	-	11.58	1.48	1.71	0.01	3.20
27	VINDHYACHAL-I STPS	1,260.00	0.00%	Merit	9.00%	0.00%	-	-	16.53	1.54	2.76	-	4.31
28	VINDHYACHAL-II STPS	1,000.00	0.00%	Merit	7.05%	0.00%	-	-	12.05	0.93	1.94	0.00	2.88
29	VINDHYACHAL-III STPS	1,000.00	0.00%	Merit	6.25%	0.00%	-	-	13.20	1.48	2.11	(0.06)	5.63
30	VINDHYACHAL-IV STPS	1,000.00	0.00%	Merit	6.25%	0.00%	-	-	16.92	2.94	2.68	0.01	5.32
31	VINDHYACHAL-V STPS	500.00	0.00%	Merit	7.25%	0.00%	-	-	9.22	1.69	1.51	(0.03)	3.17
32	Tanda II	1,320.00	85.00%	Merit	5.75%	71.47%	943.46	3,080.54	2,497.86	543.25	630.60	17.06	1,190.91
33													
35	Indira Gandhi STPS, Jhajjar	1,500.00	0.00%		5.75%	0.00%	-	-	227.36	25.04	80.74	0.36	106.14
36	GADARWARA STPS-I	35.00	85.00%		#N/A	0.00%		#N/A	6.24	3.36	1.57	0.05	4.98
37	LARA STPS-I								14.82	4.22	3.15	(0.00)	7.37
38	KHARGONE STPS								10.61	4.50	2.96	0.00	7.47
39	NTPC CONSOLIDATED								-	-	-	(97.79)	(97.79)
	Sub-Total	32,810.59					4,625.94	#N/A	21,665.62	3,286.03	4,603.68	73.05	7,962.76
e	NPCIL												
1	KAPS	440.00	0.00%	Must Run	0.00%	0.00%	-	-	5.50	-	1.30	0.04	1.34
2	NAPP	440.00	93.48%	Must Run	0.00%	31.36%	138.00	1,133.91	1,133.91	-	344.63	2.20	346.82
3	TAPP-3 & 4	1,080.00	0.00%	Must Run	0.00%	0.00%	-	-	16.80	-	5.51	1.78	7.29
4	RAPP-3 & 4	440.00	91.35%	Must Run	0.00%	15.00%	66.00	518.63	518.63	-	172.58	(0.44)	172.14
5	RAPP-5 & 6	440.00	109.55%	Must Run	0.00%	19.55%	86.00	787.18	787.18	-	306.32	-	306.32
	Sub-Total	2,840.00					290.00	2,439.72	2,462.01	-	830.33	3.58	833.92
f	Hydro (NHPC)												
1	SALAL	690.00	55.69%	Must Run	1.00%	6.96%	48.00	232.40	249.86	18.85	16.53	35.45	70.84
2	TANAKPUR	94.20	41.50%	Must Run	1.20%	22.29%	21.00	75.65	88.52	20.35	14.30	0.01	34.66
3	CHAMERA-I	540.00	51.36%	Must Run	1.20%	20.19%	109.00	485.86	492.88	39.44	58.32	(0.08)	97.67
4	URI	480.00	69.42%	Must Run	1.20%	20.00%	96.00	576.84	616.26	50.70	52.29	(0.06)	102.93
5	CHAMERA-II	300.00	70.66%	Must Run	1.20%	20.67%	62.00	380.54	173.04	15.10	20.20	0.04	35.34
6	DHAULIGANGA	280.00	56.45%	Must Run	1.20%	20.00%	56.00	274.77	290.51	38.86	37.91	0.03	76.81
7	DULHASTI	390.00	80.71%	Must Run	1.20%	21.79%	85.00	595.40	591.22	138.03	158.64	0.05	296.72
8	SEWA-II	120.00	62.19%	Must Run	1.20%	22.50%	27.00	145.23	143.08	38.56	39.84	(0.00)	78.39
9	CHAMERA-III	231.00	61.16%	Must Run	1.20%	20.35%	47.00	249.94	245.17	49.06	46.99	0.03	96.08
10	URI-II	240.00	80.10%	Must Run	1.20%	21.25%	51.00	353.70	379.33	67.64	65.07	(0.09)	132.63
11	PARBATI-III	520.00	17.54%	Must Run	1.20%	20.19%	105.00	160.66	155.75	66.66	27.00	0.06	93.73
12	KISHANGANGA	330.00	32.08%	Must Run	1.20%	41.70%	137.60	382.85	445.16	84.14	94.76	0.08	178.98
13	PARBATI-II	800.00	56.57%	Must Run	1.20%	19.38%	155.00	-	-	-	-	-	-
14	SUBANSIRI LOWER	2,000.00	56.57%	Must Run	1.20%	9.10%	182.00	-	-	-	-	-	-
15	PAKALDUL	1,000.00	56.57%	Must Run	1.00%	20.00%	200.00	-	-	-	-	-	-
	NHPC Consolidated											175.28	175.28
	Sub-Total	8,015.20					1,381.60	7,784.62	3,870.79	627.41	631.84	210.80	1,470.04
g	HYDRO (NTPC)												
1	KOLDAM HPS	800.00	50.43%	Must Run	1.00%	18.90%	151.20	664.44	677.69	183.94	159.65	-	343.59
2	TAPOVAN VISHNUGARH	520.00	56.57%	Must Run	1.20%	19.23%	100.00	74.44	-	-	-	-	-
3	LATA TAPOVAN HEP	171.00	0.00%	Must Run	1.20%	19.88%	34.00	-	-	-	-	-	-
4	SINGRAULI SHPS	8.00	20.48%	Must Run	0.00%	42.50%	3.40	6.07	8.82	-	4.44	-	4.44
	Sub-Total	1,499.00					288.60	744.94	686.51	183.94	164.10	-	348.04
h	THDC HYDRO												
1	TEHRI	1,000.00	38.43%	Must Run	1.20%	37.40%	374.00	1,246.41	1,200.27	265.15	252.56	59.41	577.12
2	KOTESHWAR	400.00	37.98%	Must Run	1.00%	38.75%	155.00	511.39	492.22	117.79	105.83	(4.90)	218.72
3	Dhukwan SHP- THDC	24.00	56.57%	Must Run	0.00%	100.00%	24.00	119.22	50.98	-	24.83	-	24.83
4	VISHNUGARH PIPAL KOTHI	444.00	0.00%	Must Run	1.20%	37.39%	166.00	-	-	-	-	-	-
	Thermal												
1	KHURJA STPP	1,320.00	85.00%	Merit	5.75%	30.00%	396.00	-	-	-	-	-	-

Sl No	Source	FY 2020-21											
		Plant Capacity (MW)	PLF(%)	Status (Must Run)	Auxiliary Consumption (%)	UP's Share in %	UP's Share in MW	Total Available Units (MU)	Despatched Units after MoD (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)
	Sub-Total	3,188.00					1,115.00	1,877.02	1,743.47	382.94	383.21	54.51	820.66
i	SJVN												
1	RAMPUR	412.00	66.33%	Must Run	1.00%	13.76%	56.68	327.22	323.93	77.28	54.84	164.42	296.54
2	NATHPA JHAKRI	1,500.00	66.12%	Must Run	1.20%	14.73%	221.00	1,269.66	1,246.06	158.90	108.51	10.27	277.68
	Sub-Total	1,912.00					277.68	1,596.88	1,569.99	236.18	163.35	174.68	574.22

		FY 2020-21											
Sl No	Source	Plant Capacity (MW)	PLF(%)	Status (Must Run)	Auxiliary Consumption (%)	UP's Share in %	UP's Share in MW	Total Available Units (MU)	Despatched Units after MoD (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)
j	NEEPCO												
1	Kameng HEP	600.00	49.10%	Must Run	1.00%	9.17%	55.00	147.74	103.04	-	41.22	0.02	41.25
k	IPP/JV												
	HYDRO												
1	TALA	1,020.00	0.00%	Must Run	1.00%	0.00%	-	-	149.44	-	32.28	0.01	32.29
2	VISHNU PRAYAG	400.00	55.97%	Must Run	0.50%	88.00%	352.00	1,724.05	1,584.29	24.48	171.55	(33.56)	162.47
3	KARCHAM	1,000.00	46.97%	Must Run	1.20%	20.00%	200.00	816.18	865.31	179.51	114.82	99.35	393.68
4	TEESTA-III	1,200.00	48.70%	Must Run	1.20%	16.67%	200.00	845.84	881.37	328.28	190.69	9.72	528.69
5	SRI NAGAR HEP	330.00	47.02%	Must Run	1.00%	88.00%	290.40	1,189.65	1,308.80	373.06	308.01	-	681.06
6	Rajghat Hydro	45.00	49.66%	Must Run	1.00%	40.00%	18.00	77.84	-	-	-	-	-
	Thermal												
1	Meja Thermal Power Plant	1,320.00	85.00%	Merit	5.75%	78.94%	1,042.00	3,966.84	1,836.67	651.52	468.21	(10.80)	1,108.93
2	LANCO	1,200.00	79.49%	Merit	7.50%	91.67%	1,100.00	7,087.69	7,141.18	563.65	1,384.80	300.77	2,249.22
4	BEPL BARKHERA	90.00	34.83%	Merit	9.75%	100.00%	90.00	245.91	147.33	108.60	51.01	70.08	229.69
5	BEPL KHAMBHAKHERA	90.00	34.67%	Merit	9.75%	100.00%	90.00	246.06	148.36	111.59	50.83	0.03	162.46
6	BEPL KUNDRAKHI	90.00	41.32%	Merit	9.75%	100.00%	90.00	293.89	193.76	114.46	60.32	0.03	174.81
7	BEPL MAOSOODAPUR	90.00	35.05%	Merit	9.75%	100.00%	90.00	249.02	154.05	111.82	51.63	0.03	163.48
8	BEPL UTRAILA	90.00	38.56%	Merit	9.75%	100.00%	90.00	274.54	212.01	113.70	70.94	0.03	184.67
9	KSK MAHANADI	3,600.00	39.53%	Merit	27.78%	1,000.00	3,466.25	5,084.61	1,467.61	1,484.48	(92.97)		2,859.12
10	LALITPUR	1,980.00	33.69%	Merit	5.75%	100.00%	1,980.00	5,507.33	6,343.58	3,151.81	1,900.25	281.47	5,333.53
11	M.B.POWER	1,200.00	76.92%	Merit	30.08%		361.00	2,431.10	2,108.48	600.88	411.10	1,049.89	2,061.87
12	PRAYAGRAJ POWER	1,980.00	39.25%	Merit	7.50%	90.00%	1,782.00	5,665.20	8,728.02	1,407.44	2,371.15	(7.40)	3,771.19
13	R.K.M.POWER	1,540.00	51.75%	Merit	22.73%		350.00	1,588.57	2,336.65	609.89	442.32	52.16	1,104.37
14	ROSA-1&2	1,200.00	64.83%	Merit	8.50%	100.00%	1,200.00	6,235.65	6,125.35	1,163.64	1,584.96	269.54	3,018.14
15	SASAN	4,000.00	88.99%	Merit	6.00%	12.38%	495.00	3,624.68	3,792.91	50.76	406.03	79.32	536.11
16	TRN ENERGY	600.00	65.20%	Merit	65.00%	390.00	2,229.56	1,464.07	242.25	228.42	456.73		927.41
17	NABINAGAR POWER PROJECT	1,980.00	85.00%	Merit	5.75%	10.56%	209.01	853.29	379.87	133.51	79.26	(8.43)	204.34
18	Ghatampur	1,980.00	7.08%	Merit	5.75%		1,683.00	-	-	-	-	-	-
	Sub-Total	27,025.00					13,502.41	48,619.14	50,986.11	11,508.46	11,863.07	2,516.01	25,887.54
	Total	87,584.09					31,001.13	#N/A	106,679.50	19,045.51	23,946.14	3,105.21	46,096.85
B	Medium term Sources												
C	Short term Sources												
	Other Sources Sub-total												
D	Cogen/ Captive												
	Baggasse/Cogen/ CPP 1	1,478.07			0.00%		1,478.07	6,473.95	-	-	-	-	-
	Baggasse/Cogen/ CPP 2	18.94			0.00%		18.94	27.50	-	-	-	-	-
	Sub-Total Cogen/ Captive	1,497.01					1,497.01	6,501.45	2,357.57	-	797.15	(8.95)	788.20
E	Bilateral & Others (Power purchased through Trading)												
F	Solar (Existing)	1,837.00	18.92%	Must Run	0.00%	100.00%	1,837.00	3,043.84	-	-	-	-	-
1	Solar (FY 20)	-	19.00%	Must Run	0.00%	100.00%	-	-	-	-	-	-	-
3	Solar (FY 21)	1,050.00	19.00%	Must Run	0.00%	100.00%	1,050.00	873.81	-	-	-	-	-
4	Solar (FY 22)	-	0.00%	Must Run	0.00%		-	522.28	-	-	-	-	-
5	Solar (FY 23)	-	0.00%	Must Run	0.00%		-	-	-	-	-	-	-
6	SOLAR FY 24	-	0.00%	Must Run	0.00%		-	-	-	-	-	-	-
7	SOLAR FY 25	-	0.00%	Must Run	0.00%		-	-	-	-	-	-	-
	Sub-Total Solar	2,887.00					2,887.00	4,439.92	3,206.71	-	1,266.90	0.15	1,267.05
G	Non-Solar (Renewable)												
1	WIND	200.00	25.00%	Must Run	#N/A	100.00%	200.00	#N/A	1,502.98	-	506.41	0.05	506.46
2	WIND (FY 20)	440.00	25.00%	Must Run	0.00%	100.00%	440.00	963.60					
3	WIND (FY 21)	1,510.00	25.00%	Must Run	0.00%	100.00%	1,510.00	1,653.45					

SI No	Source	FY 2020-21											
		Plant Capacity (MW)	PLF(%)	Status (Must Run)	Auxiliary Consumption (%)	UP's Share in %	UP's Share in MW	Total Available Units (MU)	Despatched Units after MoD (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)
4	WIND (FY 22)	-	25.00%	Must Run	0.00%	100.00%	-	-					
5	Biomass Existing	33.50	50.00%	Must Run	0.00%	100.00%	33.50	146.73					
6	Biomass FY 20	-	50.00%	Must Run	0.00%	100.00%	-	-					
7	MSW FY 21	59.00	75.00%	Must Run	0.00%	100.00%	59.00	387.63					
8	Slop based power project	-	0.00%	Must Run	0.00%	0.00%	-	#N/A					
	Sub-Total	2,242.50					2,242.50	#N/A	1,502.98	-	506.41	0.05	506.46
H	NVVN Thermal								772.14	-	234.02	8.24	242.26
I	NVVN Solar								291.89	-	204.59	6.61	211.20
J	Reactive Energy Charges												
L	REC								-	-	-	-	-
M	Banking								-	-	-	-	-
N	Transmission Charges								-	-	-	5,122.21	5,122.21
O	RRAS								-	-	-	-	-
	Less								-	-	-	-	-
	Late Payment Surcharge								-	-	-	-	-
	Grand Total	94,210.60					37,627.64	#N/A	114,810.80	19,045.51	26,955.21	8,233.53	54,234.24

Note: 1. Power Purchase details to be submitted should be linked in excel sheet.

2. Information to be provided for Past Year, True-Up Year, APR Year and each year of the Control Period.

3. Sub-total of State thermal, State Hydro, NTPC Plants, NHPC Plants, NPCIL Plants, SJVNL Plants, THDC, IPPs, State Co-Gen, Solar and Other sources should be provided.

Summary of Power Purchase from Own Stations and Other Sources

Sl No	Source	FY 2021-22										
		Plant Capacity (MW)	PLF(%)	Status (Must Run)	Auxiliary Consumption (%)	UP's Share in %	UP's Share in MW	Units Desatched after MOD (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)
A	Long term Sources											
a	Power procured from own Generating Stations (if any)											
b	From State Generating Stations Thermal											
1	ANPARA-A	630.00	72%		0.72	72%	630.00	3,622.72	401.14	730.39		1,131.53
2	ANPARA-B	1,000.00	83%		0.83	83%	1,000.00	6,797.77	402.34	1,246.54		1,648.87
3	Panki											
4	Paricha											
5	PARICHHA EXT.	420.00	68%		0.68	68%	420.00	-	436.03	-		436.03
6	OBRA-A											
7	OBRA-B	1,000.00	43%		0.43	43%	1,000.00	-	320.49	-		320.49
8	HARDUAGANJ	-	0%		-	0%	-	-	103.21	-		103.21
9	HARDUAGANJ EXT.	500.00	75%		0.75	75%	500.00	535.23	695.72	190.60		886.32
10	PARICHHA EXT. STAGE-II	660.00	64%		0.64	64%	500.00	226.21	651.82	84.24		736.05
11	ANPARA-D	1,000.00	55%		0.55	55%	1,000.00	4,541.67	1,422.78	832.05		2,254.83
12	Panki Extension	660.00	0%		-	0%	660.00	-	-	-		-
13	HARDUAGANJ EXT. Stage II	660.00	85%		0.85	85%	660.00	73.30	788.66	23.46		812.12
14	OBRA-C	1,320.00	0%		-	0%	1,320.00	-	-	-		-
15	Jawaharpur	1,320.00	0%		-	0%	1,320.00	-	-	-		-
	Sub-Total	9,170.00	20%		0.20	20%	9,010.00	15,796.90	5,222.18	3,107.27	-	8,329.45
c	From State Generating Stations Hydro											
1	RIHAND	300.00	21%		0	21%	255	462.54	42.93	55.15		98.08
2	OBRA (H)	99.00	25%		0	25%	99	217.07	10.37	17.09		27.45
3	MATATILA	30.00	34%		0	34%	20	59.57	2.96	4.80		7.76
4	KHARA	72.00	49%		0	49%	58	243.64	13.57	12.01		25.58
5	UGC	13.70	18%		0	18%	14	21.84	-	6.31		6.31
6	SHEETLA	3.60	7%		0	7%	4	2.23	-	0.48		0.48
7	BELKA	3.00	7%		0	7%	3	1.91	-	0.34		0.34
8	BABAIL	3.00	5%		0	5%	3	1.33	0.25	0.60		0.86
	Sub-Total	524.30					454.90	1,010.12	70.08	96.77	-	166.85
d	From Central Sector Generating Stations											
a	Thermal (NTPC)											
1	ANTA GPS	419	32%		0	32%	91	-	76.22	-		76.22
2	AURAIYA GPS	663	18%		0	18%	213	-	149.53	-		149.53
3	DADRI GPS	830	34%		0	34%	246	63.85	159.36	24.36		183.72
4	JHANOR GPS	657	38%		0	38%	0	-	-	-		-
5	KAWAS GPS	656	71%		1	71%	0	-	-	-		-
6	TANDA TPS	440	75%		1	75%	440	537.43	483.48	176.34		659.82
7	FGUTPS-1	420	71%		1	71%	250	754.55	245.37	235.36		480.73
8	FGUTPS-2	420	87%		1	87%	129	356.38	123.29	112.49		235.78
9	FGUTPS-3	210	88%		1	88%	63	118.29	81.20	37.92		119.12
10	FGUTPS-4	500	43%		0	43%	223	735.13	284.06	222.98		507.04
11	FSTPS	1600	0%		0	0%	0	-	-	-		-
12	KHTPS-1	840	0%		0	0%	0	-	-	-		-
13	KHTPS-2	1500	130%		1	130%	150	1,605.38	252.69	349.97		602.66
14	NCTPS-1	840	72%		1	72%	84	90.61	73.81	30.96		104.77
15	NCTPS-2	980	82%		1	82%	98	153.94	155.43	54.61		210.04
16	RIHAND-1	1000	91%		1	91%	326	2,399.59	263.82	351.32		615.15

		FY 2021-22											
Sl No	Source	Plant Capacity (MW)	PLF(%)	Status (Must Run)	Auxiliary Consumption (%)	UP's Share in %	UP's Share in MW		Units Desatched after MOD (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)
	HYDRO												
1	TEHRI	1000	38%		0	38%	374		1,246.41	428.84	261.76		690.60
2	KOTESHWAR	400	38%		0	38%	155		511.39	136.21	118.90		255.12
3	Dhukwan SHP- THDC	24	57%		1	57%	24		119.22	-	59.22		59.22
4	VISHNUGARH PIPAL KOTHI	444	0%		0	0%	166		-	-	-		-
	Thermal												
1	KHURJA STPP	1320	85%		1	85%	396		-	-	-		-
	Sub-Total	3,188					1,115		1,877.02	565.05	439.89	-	1,004.93
i	SIVN												
1	RAMPJUR	412	66%		1	66%	57		327.22	82.31	53.31		135.63
2	NATHPA JHAKRI	1500	66%		1	66%	221		1,144.29	213.49	92.38		305.87
	Sub-Total	1,912					278		1,471.50	295.80	145.70	-	441.50
j	NEEPCO												
1	Kameng HEP	600	49%		0	49%	55		270.48	-	110.37		110.37
k	IPP/JV												
	HYDRO												
1	TALA	1020	0%		0	0%	0		-	-	-		-
2	VISHNU PRAYAG	400	56%		1	56%	352		1,724.05	29.67	187.41		217.07
3	KARCHAM	1000	47%		0	47%	200		816.18	186.22	111.36		297.58
4	TEESTA-III	1200	49%		0	49%	200		786.46	227.03	180.05		407.08
5	SRI NAGAR HEP	330	47%		0	47%	290		1,189.65	424.42	301.25		725.68
6	Rajghat Hydro	45	50%		0	50%	18		77.84	20.43	20.05		40.48
	Hydro (Competitive Bidding)	0	0%		0	0%	0		1,297.05	299.33	425.14		724.47
	Thermal												
1	Meja Thermal Power Plant	1320	85%		1	85%	1042		7,312.60	1,245.13	1,901.42		3,146.55
2	LANCO	1200	79%		1	79%	1100		7,087.69	853.56	1,422.68		2,276.24
4	BEPL BARKHERA	90	35%		0	35%	90		66.80	144.66	23.44		168.10
5	BEPL KHAMBHAKHERA	90	35%		0	35%	90		68.94	146.19	24.11		170.30
6	BEPL KUNDRAKHI	90	41%		0	41%	90		100.22	145.54	32.11		177.65
7	BEPL MAOSOODAPUR	90	35%		0	35%	90		66.76	145.19	22.54		167.73
8	BEPL UTRAULA	90	39%		0	39%	90		70.12	149.70	23.86		173.56
9	KSK MAHANADI	3600	40%		0	40%	1000		1,583.99	1,047.66	476.69		1,524.35
10	LALITPUR	1980	34%		0	34%	1980		4,611.06	4,073.53	1,404.60		5,478.13
11	M.B.POWER	1200	77%		1	77%	361		2,431.10	899.11	484.21		1,383.32
12	PRAYAGRAJ POWER	1980	39%		0	39%	1782		5,238.44	1,168.60	1,487.45		2,656.05
13	R.K.M.POWER	1540	52%		1	52%	350		1,588.57	550.01	305.51		855.52
14	ROSA-1&2	1200	65%		1	65%	1200		6,235.65	1,658.89	1,595.72		3,254.61
15	SASAN	4000	89%		1	89%	495		3,624.68	72.53	385.81		458.34
16	TRN ENERGY	600	65%		1	65%	390		2,229.56	521.10	350.07		871.17
17	Ghatampur	1980	7%		0	7%	1683		-	279.32	-		279.32
	Sub-Total	25045					12893		48,207.42	14,287.81	11,165.47	-	25,453.28
	Total	87,584.09					30,601.13		102,568.97	26,581.11	22,321.63	-	48,902.74
B	Medium term Sources	0	0%		0	0%	0						
C	Short term Sources												
	Station/Source 1												
D	Cogen/ Captive												
	Baggasse/Cogen/ CPP 1	1478	50%		1	50%	1478		6,473.95	-	2,081.92		2,081.92
	Baggasse/Cogen/ CPP 2	19	50%		1	50%	19		27.50	-	8.84		8.84
	Sub-Total	1,497					1,497		6,501.45	-	2,090.77	-	2,090.77
E	Bilateral & Others (Power purchased through Trading)												
F													

FY 2021-22													
Sl No	Source	Plant Capacity (MW)	PLF(%)	Status (Must Run)	Auxiliary Consumption (%)	UP's Share in %	UP's Share in MW		Units Desatched after MOD (MU)	Fixed Charges (Rs. Crs)	Energy Charges (Rs. Crs)	Other Cost (Rs. Crs)	Total cost (Rs Crs.)
1	Solar (Existing)	1837	19%		0	19%	1837		3,043.84	-	1,428.86		1,428.86
2	Solar (FY 20)	0	19%		0	19%	0		-	-	-		-
3	Solar (FY 21)	1050	19%		0	19%	1050		1,747.62	-	524.29		524.29
4	Solar (FY 22)	182.00000	19%		0	19%	397		522.28	-	156.68		156.68
5	Sub-Total	3,069	0%		0	0%	3,284		5,313.73	-	2,109.83	-	2,109.83
7	Non-Solar (Renewable)												
	WIND (Existing)	200	25%		0	25%	200		438.00	-	150.26		150.26
	WIND (FY 20)	440	25%		0	25%	440		963.60	-	330.58		330.58
G	WIND (FY 21)	1510	25%		0	25%	1510		3,306.90	-	1,134.47		1,134.47
1	WIND (FY 22)	380	25%		0	25%	380		416.10	-	142.75		142.75
2	Biomass Existing	33.500	50%		1	50%	34		146.73	-	95.45		95.45
3	Biomass FY 20	0	50%		1	50%	0		-	-	-		-
4	MSW FY 21	59.000	75%		1	75%	59		387.63	-	294.99		294.99
	Sub-Total	2,623					2,623		5,658.96	-	2,148.49	-	2,148.49
7	NVVNL Coal												
	Short Term Sources												
	REC												
H	Banking												
I	PGCIL Charges									3,311.28			3,311.28
J	WUPPTCL Charges									875.68			875.68
K	SEUPPTCL Charges									277.50			277.50
L	Reactive Energy Charges									-			-
M	Case-I Transmission Charges									2,304.71			2,304.71
	STU Charges												
	Any Other Charges												
	Less												
	Late Payment Surcharge												
	Grand Total	94773					38005		120,043.11	33,350.28	28,670.72	-	62,020.99
							38005		120,043.11	33,350.28	28,670.72	-	62,020.99
							0		-	-	-	-	-

- Note: 1. Quantum and Power Purchase Cost to be filled with the month wise bills.
2. Monthly Bills have to be duly submitted to the Commission.
3. Power Purchase details to be submitted should be linked in excel sheet.
4. Information to be provided for Past Year, True-Up Year, APR Year and each year of the Control Period.
5. Sub-total of State thermal, State Hydro, NTPC Plants, NHPC Plants, NPCIL Plants, SJVNL Plants, THDC, IPPs, State Co-Gen, Solar and Other

Note: 1. Power Purchase details to be submitted should be linked in excel sheet.

2. Information to be provided for Past Year, True-Up Year, APR Year and each year of the Control Period.
3. Sub-total of State thermal, State Hydro, NTPC Plants, NHPC Plants, NPCIL Plants, SJVNL Plants, THDC, IPPs, State Co-Gen, Solar and Other sources should be provided.

Form No: F13A

Assumptions For Power Purchase

1 State Thermal Generating Stations (UPRVUNL)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	Month wise power purchase quantum for FY 20-21 is projected based on the monthly average PLF of generating stations from April 2015 to March 2020. For upcoming generating stations of UPRVUNL, 85% PLF is considered.
ii	Fixed & Energy Charges	The fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 11.11.2020 for FY 2020-21 with escalation factor of 10%. The energy charges have been computed based on actual average energy charge for FY 2020-21 (April to December) with escalation factor of 2%. For upcoming generating stations, rate for similar units have been considered.
2 State Hydro-Generating Stations (UPJVNL)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	In case of existing generating stations, the net power purchase quantum for FY 2020-21 is projected based on the monthly average PLF of past years from April, 2015 (or month of COD, whichever is later) to March 2020.
ii	Fixed & Energy Charges	The fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 11.11.2020 for FY 2020-21 with escalation factor of 10%. The energy charges have been computed based on actual average energy charge for FY 2020-21 (April to December) with escalation factor of 2%. For upcoming generating stations, rate for similar units have been considered.
3 (A) Central Generating Stations (NTPC)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	In case of existing generating stations, the net power purchase quantum for FY 2020-21 is projected based on the monthly average PLF of past years from April, 2015 (or month of COD, whichever is later) to March 2020.
ii	Fixed & Energy Charges	The fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 3.9.2019 for FY 2019-20 with escalation factor of 10%. The energy charges have been computed based on actual average energy charge for FY 2019-20 with escalation factor of 2%.
3 (B) Central Generating Stations (NHPC)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	In case of existing generating stations, the net power purchase quantum for FY 2020-21 is projected based on the monthly average PLF of past years from April, 2015 (or month of COD, whichever is later) to March 2020.
ii	Fixed & Energy Charges	The fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 11.11.2020 for FY 2020-21 with escalation factor of 10%. The energy charges have been computed based on actual average energy charge for FY 2020-21 (April to December) with escalation factor of 2%. For upcoming generating stations, rate for similar units have been considered.
3 (C) a) Generating Stations (NPCIL)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	Generation for FY 20-21 is considered based on actual generation data of FY 2019-20.
ii	Fixed & Energy Charges	The energy charges have been computed based on actual average energy charge for FY 2020-21 (April to December) with escalation factor of 2%.
3 (D) Central Generating Stations (SIVN)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	In case of existing generating stations, the net power purchase quantum for FY 2021-22 is projected based on the monthly average PLF of past years from April, 2015 (or month of COD, whichever is later) to March 2020.
ii	Fixed & Energy Charges	The fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 11.11.2020 for FY 2020-21 with escalation factor of 10%. The energy charges have been computed based on actual average energy charge for FY 2020-21 (April to December) with escalation factor of 2%. For upcoming generating stations, rate for similar units have been considered.
3 (E) Central Generating Stations (THDC- HYDRO)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	In case of existing generating stations, the net power purchase quantum for FY 2021-22 is projected based on the monthly average PLF of past years from April, 2015 (or month of COD, whichever is later) to March 2020.
ii	Fixed & Energy Charges	The fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 11.11.2020 for FY 2020-21 with escalation factor of 10%. The energy charges have been computed based on actual average energy charge for FY 2020-21 (April to December) with escalation factor of 2%. For upcoming generating stations, rate for similar units have been considered.

3 (F) Central Generating Stations (NTPC- HYDRO)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	In case of existing generating stations, the net power purchase quantum for FY 2021-22 is projected based on the monthly average PLF of past years from April, 2015 (or month of COD, whichever is later) to March 2020. For upcoming generating station average monthly PLF of similar units have been considered.
ii	Fixed & Energy Charges	The fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 11.11.2020 for FY 2020-21 with escalation factor of 10%. The energy charges have been computed based on actual average energy charge for FY 2020-21 (April to December) with escalation factor of 2%. For upcoming generating stations, rate for similar units have been considered.
4 (A) IPPs / IVs		
S. No.	Particulars	Thermal Assumptions
i	Power Purchase Quantum	For existing generating stations, the net power purchase quantum for FY 2021-22 is projected based on the monthly average PLF of past years from April, 2015 (or month of COD, whichever is later) to March 2020. For new generating stations, net generation is projected based on 85% PLF.
ii	Fixed & Energy Charges	The fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 11.11.2020 for FY 2020-21 with escalation factor of 10%. The energy charges have been computed based on actual average energy charge for FY 2020-21 (April to December) with escalation factor of 2%. For upcoming generating stations, rate for similar units have been considered.
4 (B) IPPs / IVs		
S. No.	Particulars	HYDRO Assumptions
i	Power Purchase Quantum	In case of existing generating stations, the net power purchase quantum for FY 2021-22 is projected based on the monthly average PLF of past years from April, 2015 (or month of COD, whichever is later) to March 2020.
ii	Fixed & Energy Charges	The fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 11.11.2020 for FY 2020-21 with escalation factor of 10%. The energy charges have been computed based on actual average energy charge for FY 2020-21 (April to December) with escalation factor of 2%. For upcoming generating stations, rate for similar units have been considered.
Other Sources (SOLAR)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	The net power purchase quantum for FY 2021-22 is projected based on the capacity allocation available (MW) submitted before Commission (provided by PPA) and CUF is considered at 19%. Further, in the absence of specific COD available for upcoming generating capacities, the generation has been computed at 50% of the capacity addition during the FY.
ii	Fixed & Energy Charges	The energy charges have been computed based on the weighted average energy charge rate of solar generating stations
Other Sources (WIND)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	The net power purchase quantum for FY 2021-22 is projected based on the capacity allocation available (MW) submitted before Commission (provided by PPA) and CUF is considered at 25%. Further, in the absence of specific COD available for upcoming generating capacities, the generation has been computed at 50% of the capacity addition during the FY.
ii	Fixed & Energy Charges	The energy charges have been computed based on the weighted average energy charge rate of wind generating stations.

Other Sources (BIOMASS)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	The net power purchase quantum for FY 2021-22 is projected based on the capacity allocation available (MW) submitted before Commission (provided by PPA) and CUF is considered as 50% in line with UPERC (Captive and Renewable Energy Generating Plants) Regulations, 2019).
ii	Fixed & Energy Charges	The energy charges have been computed based on the weighted average energy charge rate of Biomass generating stations

Other Sources (BAGASSE)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	The net power purchase quantum for FY 2021-22 is projected based on the capacity allocation available (MW) submitted before Commission (provided by PPA) and CUF is considered as 50% in line with UPERC (Captive and Renewable Energy Generating Plants) Regulations, 2019).
ii	Fixed & Energy Charges	The energy charges have been computed based on the weighted average energy charge rate of Bagasse based generating stations

Other Sources (MSW)		
S. No.	Particulars	Assumptions
i	Power Purchase Quantum	The net power purchase quantum for FY 2021-22 is projected based on the capacity allocation available (MW) submitted before Commission (provided by PPA) and CUF is considered as 75% in line with UPERC (Captive and Renewable Energy Generating Plants) Regulations, 2019).
ii	Fixed & Energy Charges	The energy charges have been considered in line with UPERC (Captive and Renewable Energy Generating Plants) Regulations, 2019).

Note: Information to be provided for Past Year, True-Up Year, APR Year and each year of the Control Period.

Form No: F13B

Name of Distribution Licensee

Power Purchase & Monthly Appropriation of Power Purchase

1	2	3	4	6	7	8	9	14 15 16 17 18 19 20 21 22 23												
								April										Late payment Surcharge	Total Cost	
								Units (MU)	Fixed Charges		Energy/ Variable Charges		Other Cost		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)		(Rs. Cr.)	(Rs. / kWh)
(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)															
A	Long term Sources																			
a	Power procured from own Generating Stations (if any)																			
b	From State Generating Stations Thermal																			
1	ANPARA-A	630	100%	72%	630.00	Merit	2.00	316.38	0.81	25.58	1.62	51.41	-0.01	-0.27	-	2.43	76.72			
2	ANPARA-B	1,000	100%	83%	1,000.00	Merit	2.00	592.91	0.43	25.66	1.56	92.29	0.03	1.67	-	2.02	119.62			
3	PANKI	220	95%	26%	210.00	Merit	2.00	-	-	-	-	-	-	-	-	-	-			
4	PARICHHA	220	50%	61%	110.00	Merit	2.00	-	-	5.37	-	-	-	-	-	-	5.37			
3	PARICHHA EXT.	420	100%	68%	420.00	Merit	2.00	109.58	2.54	27.81	3.21	35.15	0.02	0.27	-	5.77	63.23			
4	OBRA-A	-	-	-	-	Merit	2.00	-	-	-	-	-	-	-	-	-	-			
5	OBRA-B	1,000	100%	43%	1,000.00	Merit	2.00	274.49	0.80	21.95	1.74	47.70	0.03	0.90	-	2.57	70.55			
6	HARDUAGANJ	165	67%	48%	110.00	Merit	2.00	-	-	6.58	-	-	-	-	-	-	6.58			
7	HARDUAGANJ EXT.	500	100%	75%	500.00	Merit	2.00	246.15	1.80	44.37	3.25	80.03	0.01	0.15	-	5.06	124.55			
8	PARICHHA EXT. STAGE-II	660	76%	64%	500.00	Merit	2.00	64.45	5.68	36.58	3.21	20.68	0.02	0.16	-	8.91	57.42			
9	ANPARA-D	1,000	100%	55%	1,000.00	Merit	2.00	664.89	1.36	90.73	1.53	101.50	0.00	0.24	-	2.89	192.47			
10	Panel Extension	660	100%	85%	660.00	Merit	2.00	-	-	-	-	-	-	-	-	-	-			
11	HARDUAGANJ EXT. Stage II	660	100%	85%	660.00	Merit	2.00	-	-	-	-	-	-	-	-	-	-			
12	OBRA-C	1,320	100%	85%	1,320.00	Merit	2.00	-	-	-	-	-	-	-	-	-	-			
13	Jawaharpur	1,320	100%	85%	1,320.00	Merit	2.00	-	-	-	-	-	-	-	-	-	-			
	UPRVUNL Consolidated														-22.51	-	-22.51			
	Sub-Total	9,775			9,440.00			2,268.85	1.25	284.62	1.89	428.76	-0.09	-19.38	-	3.06	694.00			
c	From State Generating Stations Hydro																			
1	RIHAND	300	85%	21%	255.00	Must Run	2.00	16.08	0.73	1.18	0.57	0.92	-0.00	-0.00	-	1.30	2.10			
2	OBRA (H)	99	100%	25%	99.00	Must Run	2.00	8.62	0.99	0.85	0.42	0.36	-0.00	-0.00	-	1.40	1.21			
3	MATATILA	30	67%	34%	20.00	Must Run	2.00	1.36	1.24	0.17	0.32	0.04	-0.00	-0.00	-	1.56	0.21			
4	KHARA	72	80%	49%	57.60	Must Run	2.00	27.86	0.28	0.79	0.37	1.03	-0.00	-0.00	-	0.65	1.81			
5	UGC	14	-	-	13.70	Must Run	2.00	2.20	-	-	2.83	0.62	-	-	-	2.83	0.62			
6	SHEETLA	4	-	7%	3.60	Must Run	2.00	-0.00	-	-	1.54	-0.00	-	-	-	1.54	-0.00			
7	BELKA	3	100%	7%	3.00	Must Run	2.00	0.20	-	-	2.12	0.04	-	-	-	2.12	0.04			
8	BABAIL	3	100%	5%	3.00	Must Run	2.00	-0.00	-	-	2.83	-0.00	-	-	-	2.83	-0.00			
	Sub-Total	524			454.90			56.31	0.53	2.98	0.54	3.02	-0.00	-0.01	-	1.06	5.99			
d	From Central Sector Generating Stations																			
a	Thermal (NTPC)																			
1	ANITA GPS	419	22%	32%	91.20	Merit	1.00	24.00	2.16	5.19	6.41	15.38	-	-	-	8.57	20.57			
2	AURAYA GPS	663	32%	18%	212.67	Merit	2.00	-	-	10.00	-	-	-	-	-	-	10.00			
3	DADRI GPS	830	30%	34%	245.61	Merit	2.00	75.42	1.42	10.70	4.65	35.03	-	-	-	6.06	45.74			
4	JHANOR GPS	657	0%	-	-	Merit	1.00	0.00	35.59	0.00	2.75	0.00	-	-	-	38.35	0.00			
5	KAWAS GPS	656	0%	-	-	Merit	1.00	0.13	0.79	0.01	2.91	0.04	-	-	-	3.69	0.05			
6	TANDA TPS	440	100%	75%	440.00	Merit	2.00	184.13	1.67	30.83	3.01	55.48	-	-	-	4.69	86.31			
7	FGUTPS-1	420	60%	71%	250.00	Merit	2.00	77.81	2.01	15.65	3.22	25.05	-	-	-	5.23	40.70			
8	FGUTPS-2	420	31%	87%	129.00	Merit	2.00	38.31	2.05	7.87	3.25	12.44	-	-	-	5.30	20.31			
9	FGUTPS-3	210	30%	88%	63.00	Merit	2.00	21.26	2.43	5.18	3.22	6.84	-	-	-	5.65	12.02			
10	FGUTPS-4	500	45%	43%	223.00	Merit	2.00	60.94	3.43	20.88	3.03	18.49	-	-	-	6.46	39.37			
11	FSTPS	1,600	0%	-	-	Merit	1.00	10.44	1.54	1.61	2.56	2.68	-	-	-	4.11	4.29			
12	KHTPS-1	840	0%	-	-	Merit	1.00	21.33	2.16	4.61	2.21	4.71	-	-	-	4.37	9.32			
13	KHTPS-2	1,500	10%	-	150.00	Merit	1.00	64.44	2.19	14.14	2.09	13.49	-	-	-	4.29	27.63			
14	NCTPS-1	840	10%	72%	84.00	Merit	1.00	17.62	2.67	4.71	3.92	6.91	-	-	-	6.59	11.62			
15	NCTPS-2	980	10%	82%	98.00	Merit	1.00	30.61	3.24	9.91	3.64	11.13	-	-	-	6.87	21.04			
16	RIHAND-1	1,000	33%	91%	326.00	Merit	2.00	200.34	0.84	16.82	1.31	26.28	0.02	0.40	-	2.17	43.50			
17	RIHAND-2	1,000	30%	100%	296.00	Merit	2.00	178.41	0.73	13.08	1.31	23.35	-	-	-	2.04	36.44			
18	RIHAND-3	1,000	32%	99%	320.00	Merit	2.00	205.92	1.41	29.01	1.29	26.63	0.02	0.51	-	2.73	56.14			
19	SINGRAULI	2,000	38%	92%	754.00	Merit	1.00	399.47	0.75	29.92	1.36	54.53	-	-	-	2.11	84.45			
20	KORBA-I STPS	2,100	0%	-	-	Merit	1.00	2.22	0.67	0.15	1.28	0.28	0.02	0.00	-	1.98	0.44			
21	KORBA-II STPS	500	0%	-	-	Merit	1.00	0.78	1.48	0.11	1.25	0.10	-	-	-	2.73	0.21			
22	MAUDA-I STPS	1,000	0%	-	-	Merit	1.00	1.29	3.20	0.41	2.90	0.37	-	-	-	6.10	0.79			
23	MAUDA-II STPS	1,320	0%	-	-	Merit	1.00	4.73	1.72	0.81	2.80	1.33	0.03	0.01	-	4.55	2.15			
24	SOLAPUR TPS	1,320	0%	-	-	Merit	1.00	-	-	0.38	-	-	-	-	-	-	0.38			
25	SIPAT-I	1,980	0%	-	-	Merit	1.00	4.58	0.93	0.43	1.00	0.46	0.04	0.02	-	1.97	0.90			
26	SIPAT-II STPS	1,000	0%	-	-	Merit	1.00	1.47	1.17	0.17	1.32	0.19	0.04	0.01	-	2.53	0.37			
27	VINDHYACHAL-I STPS	1,260	0%	-	-	Merit	1.00	1.32	1.18	0.15	1.62	0.21	-	-	-	2.80	0.37			
28	VINDHYACHAL-II STPS	1,000	0%	-	-	Merit	1.00	1.32	0.76	0.10	1.56	0.21	-	-	-	2.32	0.31			
29	VINDHYACHAL-III STPS	1,000	0%	-	-	Merit	1.00	1.30	1.15	0.15	1.55	0.20	-	-	-	2.70	0.35			

Form No: F13B

Name of Distribution Licensee

Power Purchase & Monthly Appropriation of Power Purchase

1	2	3	4	6	7	8	9	14	15	16	17	18				20	21	22	23
												April							
												S. No	Source of Power (Station wise)	Installed Capacity (MW)	Utility share (%)				
(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)												
30	VINDHYACHAL-IV STPS	1,000	0%		-	Merit	1.00	1.51	1.69	0.25	1.53	0.23	-	-	-	-	3.22	0.49	
31	VINDHYACHAL-V STPS	500	0%		-	Merit	1.00	0.74	1.82	0.14	1.55	0.12	-	-	-	-	3.38	0.25	
32	Tanda II	1,320	71%	85%	943.46	Merit	2.00	-	-	-	-	-	-	-	-	-	-	-	
34	SINGRAULI STAGE III	1,600	0%		-	Merit	1.00	-	-	-	-	-	-	-	-	-	-	-	
35	Indira Gandhi STPS, Jhajjar	1,500	0%		-	Merit	1.00	-	-	-	-	-	-	-	-	-	-	-	
36	GADARWARA STPS-I					Merit	1.00	-	-	-	-	-	-	-	-	-	-	-	
37	LARA STPS-I					Merit	1.00	-	-	-	-	-	-	-	-	-	-	-	
38	KHARGONE STPS					Merit	1.00	-	-	-	-	-	-	-	-	-	-	-	
	NTPC CONSOLIDATED					Merit	1.00	-	-	-	-	-	-	-	-	-	-	-	
	Sub-Total	34,376			4,625.94			1,631.82	1.43	233.38	2.10	342.16	0.01	0.95			3.53	576.49	
e	NPCIL																		
1	KAPS	440	0%		-	Must Run	1.00	0.53	-	-	2.48	0.13	-	-	-	-	2.48	0.13	
2	NAPP	440	31%	93%	138.00	Must Run	2.00	104.00	-	-	3.21	33.34	-	-	-	-	3.21	33.34	
3	TAPP-3 & 4	1,080	0%		-	Must Run	1.00	2.64	-	-	3.06	0.81	0.00	0.00	-	-	3.06	0.81	
4	RAPP-3 & 4	440	15%	91%	66.00	Must Run	1.00	45.45	-	-	3.49	15.84	-	-	-	-	3.49	15.84	
5	RAPP-5 & 6	440	20%		86.00	Must Run	1.00	66.76	-	-	4.05	27.06	-	-	-	-	4.05	27.06	
	Sub-Total	2,840			290.00			219.38	-	-	3.52	77.18	0.00	0.00			3.52	77.18	
f	Hydro (NHPC)																		
1	SALAL	690	7%	56%	48.00	Must Run	1.00	29.54	0.58	1.71	0.62	1.82	0.00	0.00	-	-	1.20	3.53	
2	TANAKPUR	94	22%	42%	21.00	Must Run	1.00	8.65	1.73	1.49	1.65	1.43	0.00	0.00	-	-	3.38	2.92	
3	CHAMERA-I	540	20%	51%	109.00	Must Run	1.00	67.45	0.53	3.60	1.14	7.70	0.00	0.00	-	-	1.68	11.30	
4	URI	480	20%	69%	96.00	Must Run	1.00	68.88	0.70	4.82	0.82	5.66	0.00	0.00	-	-	1.52	10.48	
5	CHAMERA-II	300	21%	71%	62.00	Must Run	1.00	52.15	0.76	3.94	1.01	5.24	0.00	0.00	-	-	1.76	9.18	
6	DHAULIGANGA	280	20%	56%	56.00	Must Run	1.00	26.13	1.37	3.58	1.21	3.18	0.00	0.00	-	-	2.59	6.76	
7	DUILHASTI	390	23%	81%	85.00	Must Run	1.00	60.60	1.73	10.47	2.75	16.66	0.00	0.00	-	-	4.48	27.13	
8	SEWA-II	120	23%	62%	27.00	Must Run	1.00	26.45	1.28	3.38	2.17	5.74	0.00	0.00	-	-	3.45	9.12	
9	CHAMERA-III	231	20%	61%	47.00	Must Run	1.00	34.56	1.79	6.19	2.12	7.34	0.00	0.00	-	-	3.92	13.53	
10	URI-II	240	21%	80%	51.00	Must Run	1.00	44.80	1.95	8.73	2.37	10.63	0.00	0.00	-	-	4.32	19.37	
11	PARBATHI-III	520	20%	18%	105.00	Must Run	1.00	10.61	6.21	6.59	1.54	1.63	0.00	0.01	-	-	7.76	8.23	
12	KISHANGANGA	330	42%	32%	137.60	Must Run	1.00	57.35	1.23	7.08	1.69	9.68	0.00	0.01	-	-	2.92	16.77	
13	PARBATHI-II	800	19%		155.00	Must Run	1.00	-	-	-	-	-	-	-	-	-	-	-	
14	SUBANSIRI LOWER	2,000	9%		182.00	Must Run	1.00	-	-	-	-	-	-	-	-	-	-	-	
15	PAKALDUL	1,000	20%		200.00	Must Run	1.00	-	-	-	-	-	-	-	-	-	-	-	
	NHPC CONSOLIDATED																		
	Sub-Total	8,015			1,381.60			487.17	1.26	61.59	1.57	76.70	0.00	0.04			2.84	138.32	
g	HYDRO (NTPC)																		
1	KOLDAM HPS	800	19%	50%	151.20	Must Run	1.00	46.23	3.60	16.64	2.49	11.51	0.13	0.60	-	-	6.22	28.76	
2	TAPOVAN VISHNUGARH	520	19%	80%	100.00	Must Run	1.00	-	-	-	-	-	-	-	-	-	-	-	
3	LATA TAPOVAN HEP	171	20%		34.00	Must Run	1.00	-	-	-	-	-	-	-	-	-	-	-	

Form No-F13B

Name of Distribution Licensee

Power Purchase & Monthly Appropriation of Power Purchase

1	2	3	4	6	7	8	9	14	15	16	17	18				20	21	22	23
												April							
												Fixed Charges		Energy/ Variable Charges					
(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)											
4	SINGRAULI SHPS	8	43%	20%	3.40	Must Run	1.00	0.31	-	-	5.04	0.16	-	-	-	-	5.04	0.16	
	Sub-Total	1,499			288.60			46.55	3.58	16.64	2.51	11.67	0.13	0.60			6.21	28.92	
h	THDC																		
	HYDRO																		
1	TEHRU	1,000	37%	38%	374.00	Must Run	1.00	98.28	1.26	12.40	1.95	19.19	0.00	0.02	-	-	3.22	31.62	
2	KOTESHWAR	400	39%	38%	155.00	Must Run	1.00	44.77	2.36	10.55	2.31	10.36	0.00	0.01	-	-	4.67	20.92	
3	Dhukwan SHP- THDC	24	100%		24.00	Must Run	2.00	-	-	-	-	-	-	-	-	-	-	-	
4	VISHNUGARH PIPAL KOTHI	444	37%		166.00	Must Run	1.00	-	-	-	-	-	-	-	-	-	-	-	
	Thermal																		
1	KHURJA STPP	1,320	30%		396.00	Merit	2.00	-	-	-	-	-	-	-	-	-	-	-	
	Sub-Total	3,188			1,115.00			-	-	-	-	-	-	-	-	-	-	52.53	
i	SIVN																		
1	RAJMPUR	412	14%	66%	56.68	Must Run	1.00	26.81	2.09	5.61	1.61	4.33	-0.07	-0.19	-	-	3.63	9.74	
2	NATHPA JHAKRI	1,500	15%	66%	271.00	Must Run	1.00	102.59	1.45	15.03	3.21	12.58	-0.07	-0.72	-	-	2.60	26.89	
	Sub-Total	1,912			277.68			130.40	1.58	20.64	1.30	16.90	-0.07	-0.91			2.81	36.63	
j	NEEPCO																		
1	Kameng HEP	600	9%	80%	55.00	Must Run	1.00	-	-	-	-	-	-	-	-	-	-	-	
k	IPP/JV																		
	HYDRO																		
1	TALA	1,020	0%	0%	-	Must Run	1.00	3.03	-	-	2.16	0.65	-	-	-	-	2.16	0.65	
2	VISHNU PRAYAG	400	88%	56%	352.00	Must Run	2.00	91.85	0.20	1.84	1.18	10.86	-0.31	-2.87	-	-	1.07	9.83	
3	KARCHAM	1,000	20%	47%	200.00	Must Run	1.00	58.28	2.22	12.96	1.74	10.16	1.21	7.06	-	-	5.18	30.18	
4	TEESTA-III	1,200	17%	49%	200.00	Must Run	1.00	59.37	3.12	18.53	7.14	42.38	0.05	0.30	-	-	10.31	61.21	
5	SRI NAGAR HEP	330	88%	47%	290.40	Must Run	1.00	89.87	3.24	29.14	2.58	23.22	-	-	-	-	5.83	52.36	
6	Rajghat Hydro	45	40%	0%	18.00	Must Run	1.00	-	-	-	-	-	-	-	-	-	-	-	
	Thermal																		
1	Meja Thermal Power Plant	1,320	79%	85%	1,042.00	Merit	2.00	94.63	0.19	1.82	1.53	14.51	-	-	-	-	1.72	16.32	
2	LANCO	1,200	92%	79%	1,100.00	Merit	2.00	548.55	0.98	53.53	2.31	126.98	0.15	8.23	-	-	3.44	188.75	
4	BEPL BARKHERA	90	100%	35%	90.00	Merit	2.00	-	-	9.23	-	-	-	-	-	-	-	9.23	
5	BEPL KHAMBHAKHERA	90	100%	35%	90.00	Merit	2.00	-	-	9.22	-	-	-	-	-	-	-	9.22	
6	BEPL KUNDRAKHI	90	100%	41%	90.00	Merit	2.00	1.51	61.41	9.28	3.16	0.48	-	-	-	-	64.56	9.76	
7	BEPL MAQSOODAPUR	90	100%	35%	90.00	Merit	2.00	-	-	9.20	-	-	-	-	-	-	-	9.20	
8	BEPL ULTRAULA	90	100%	39%	90.00	Merit	2.00	-	-	9.55	-	-	-	-	-	-	-	9.55	
9	KSK MAHANADI	3,600	28%	40%	1,000.00	Merit	1.00	463.83	2.41	111.63	2.77	128.40	-0.36	-16.56	-	-	4.82	223.47	
10	LALITPUR	1,980	100%	34%	1,980.00	Merit	2.00	414.22	6.27	259.77	2.84	117.82	-	-	-	-	9.12	377.58	
11	M.B.POWER	1,200	30%	77%	361.00	Merit	1.00	203.10	2.69	54.68	1.89	38.41	-	-	-	-	4.58	93.09	
12	PRAYAGRAJ POWER	1,980	90%	39%	1,782.00	Merit	2.00	589.91	1.49	87.61	2.19	129.25	-	-	-	-	3.68	216.86	
13	R.K.M.POWER	1,540	23%	52%	350.00	Merit	1.00	182.12	2.75	50.14	1.82	33.12	-	-	-	-	4.57	83.27	
14	RDSA-1&2	1,200	100%	65%	1,200.00	Merit	2.00	558.95	1.89	105.79	2.85	159.11	-0.01	-0.82	-	-	4.72	264.08	
15	SASAN	4,000	12%	89%	495.00	Merit	1.00	304.85	0.15	4.56	1.15	35.05	0.10	3.04	-	-	1.40	42.65	
16	TRN ENERGY	600	65%	65%	390.00	Merit	1.00	226.95	-1.79	40.56	1.64	37.31	-	-	-	-0.72	3.40	77.15	
17	NABINAGAR POWER PROJECT	1,980	11%	85%		Merit	1.00	-	-	-	-	-	-	-	-	-	-	-	
	APCPL							1.66	26.53	4.40	3.50	0.58	0.91	0.15	-	-	30.95	5.13	
	Sub-Total	25,045			11,210.40			3,892.69	2.27	883.54	2.33	908.28	-0.00	-1.47	-0.72		4.60	1,789.63	
	Total				29,139.12			8,733.17	1.72	1,503.39	2.14	1,864.67	-0.02	-20.17			3.89	3,399.70	

Form No: F13B

Name of Distribution Licensee

Power Purchase & Monthly Appropriation of Power Purchase

S. No	Source of Power (Station wise)	Installed Capacity (MW)	Utility share (%)	PLF (%)	Utility share (MW)	Must Run/ Merit	Plant Type*	April													
								Units (MU)	Fixed Charges		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost					
									(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)			
B	Medium term Sources																				
C	Short term Sources																				
	Other Sources Sub-total						1.00														
D	Cogen/ Captive																				
	Baggasse/Cogen/ CPP 1			50%	1,478.07	Must Run	2.00	507.35	-	-	5.14	260.94	-0.04	-1.89	-	-	5.11	259.06			
	Baggasse/Cogen/ CPP 2			50%	18.94	Must Run	2.00														
	Sub-Total Cogen/ Captive				1,497.01		2.00	507.35	-	-	5.14	260.94	-0.04	-1.89	-	-	5.11	259.06			
E	Bilateral & Others (Power purchased through Trading)						1.00														
1	Solar (Existing)			19%		Must Run	2.00	105.66	-	-	6.67	70.49	-	-	-	-	6.67	70.49			
2	Sub-Total Solar					Must Run	2.00	105.66	-	-	6.67	70.49	-	-	-	-	6.67	70.49			
G	Non-Solar (Renewable)																				
1	WIND (Existing)			25%		Must Run	1.00														
2	WIND (FY 21)			25%		Must Run	2.00	49.47	-	-	3.53	17.46	-	-	-	-	3.53	17.46			
3	WIND (FY 22)			25%		Must Run	2.00														
4	WIND (FY 23)			25%		Must Run	2.00														
5	Biomass Existing			50%		Must Run	2.00														
6	Biomass FY 20			50%		Must Run	2.00														
7	MSW			#N/A		Must Run	2.00														
	Sub-total RE other than solar							49.47	-	-	3.53	17.46	-	-	-	-	3.53	17.46			
H	NVVN Thermal						1.00	61.55	-	-	4.79	29.50	0.27	1.67	-	-	5.06	31.17			
	NVVN Solar						2.00	47.26	-	-	3.63	17.18	0.03	0.14	-	-	3.66	17.32			
I	Short Term Sources						1.00														
J	REC																				
K	Banking						2.00														
L	Transmission Charges						2.00							412.14							412.14
	RRAS																				
	OTHER SOURCES																				
1	UI Charges							-4.37	-	-	-28.48	12.43	-	-	2.39	-33.96	14.83				
2	Reactive Energy Charges							-	-	-	-	-	-	-0.41	-	-0.41					
3	OA							347.48	-	-	5.05	175.41	0.08	2.66	-	5.12	178.08				
4	Fwd/Rev Banking							-	-	-	-	-	-	4.05	-	4.05					
5	IEX Purchase							54.50	-	-	4.20	22.87	0.00	0.00	-	4.20	22.87				
6	IEX sale							131.33	-	-	2.66	34.92	-	-	-	2.66	34.92				
	Sub Total							266.29	-	-	6.60	175.79	0.24	6.30	2.39	6.93	184.48				
	PTC Unverified Power Purchase																				
	Any Other Charges														1.21		1.21				
	Less																				
	Late Payment Surcharge																				
	Grand Total							9,770.75	1.54	1,503.39	2.49	2,436.03	398.19	2.39	4.49	4,391.82					

Note: 1. Quantum and Power Purchase Cost to be filled with the month wise bills.

2. Monthly bills have to be duly submitted to the Commission.

3. Power Purchase details to be submitted should be linked in excel sheet.

4. Information to be provided for Past Year, True-Up Year, APR Year and each year of the Control Period.

5. Sub-total of State thermal, State Hydro, NTPC Plants, NHPC Plants, NPCL Plants, SJVNL Plants, THDC, IPPs, State Co-Gen, Solar and Other sources should be provided.

		24	25	26	27	28					29	30	31	32	33	34	35	36	37	38					39	40	41	42	43	44	45	46			
		May															June																		
Units (MU)	Fixed Charges		Energy/Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge														
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)												
1.88	1.43	0.27	1.54	0.29	0.02	0.00	-	2.99	0.56	2.31	1.41	0.33	1.57	0.36	0.06	0.01	-	3.04	0.70	1.96	1.46	0.29													
0.95	1.51	0.14	1.56	0.15	0.02	0.00	-	3.09	0.29	1.64	1.49	0.24	1.62	0.27	0.07	0.01	-	3.18	0.52	1.29	1.51	0.20													
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
-	-	-	-	-	-	-	-	-	-	0.88	2.84	0.25	3.73	0.33	-	-	-	6.56	0.58	0.46	5.47	0.25													
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
-	-	-	-	-	-	-	-	19.12	-	19.12	-	-	-	-	-	-	2.35	-	2.35	-	-	-													
2,248.40	1.03	231.48	2.34	526.82	0.09	20.85	-	3.47	779.15	2,217.11	1.07	236.29	2.99	663.37	0.06	13.57	-	4.12	913.23	1,947.64	1.23	239.64													
0.58	-	-	2.48	0.14	0.00	0.00	-	2.48	0.14	0.50	-	-	3.30	0.16	-0.82	-0.04	-	2.48	0.12	0.63	-	-													
108.70	-	-	3.21	34.84	-	-	-	3.21	34.84	103.09	-	-	3.20	33.03	-0.01	-0.06	-	3.20	32.97	106.99	-	-													
2.73	-	-	3.07	0.84	0.00	0.00	-	3.07	0.84	1.15	-	-	4.76	0.55	-1.69	-0.19	-	3.07	0.35	2.12	-	-													
47.04	-	-	3.49	16.39	-	-	-	3.49	16.39	44.53	-	-	3.49	15.52	-	-	-	3.49	15.52	46.12	-	-													
95.16	-	-	4.05	38.57	-	-	-	4.05	38.57	90.74	-	-	4.05	36.79	-	-	-	4.05	36.79	94.00	-	-													
254.21	-	-	3.57	90.79	0.00	0.00	-	3.57	90.79	240.00	-	-	3.59	86.05	-0.01	-0.29	-	3.57	85.75	249.85	-	-													
31.57	0.58	1.82	0.62	1.94	0.00	0.00	-	1.19	3.77	34.74	0.51	1.79	0.62	2.14	2.93	10.16	-	4.06	14.09	33.81	0.55	1.85													
9.85	1.86	1.83	1.65	1.62	0.00	0.00	-	3.51	3.46	12.15	1.64	2.00	1.65	2.00	0.00	0.00	-	3.29	4.00	12.57	1.62	2.03													
60.84	0.61	3.72	1.14	6.94	0.00	0.00	-	1.75	10.67	68.37	0.52	3.57	1.14	7.80	0.00	0.00	-	1.66	11.37	81.30	0.46	3.72													
71.48	0.70	4.98	0.82	5.88	0.00	0.00	-	1.52	10.86	68.90	0.70	4.81	0.82	5.66	0.91	6.30	-	2.43	16.77	60.77	0.76	4.61													
57.65	0.72	4.14	1.00	5.79	0.00	0.00	-	1.72	9.94	60.09	0.66	3.94	1.00	6.04	0.00	0.00	-	1.66	9.99	62.53	0.65	4.07													
36.08	1.16	4.19	1.22	4.38	0.00	0.00	-	2.38	8.58	49.68	0.82	4.05	1.21	6.04	0.00	0.00	-	2.03	10.09	53.53	0.77	4.11													
56.27	1.73	9.73	2.75	15.47	0.00	0.00	-	4.48	25.21	58.57	1.77	10.36	2.75	16.10	0.97	5.68	-	5.49	32.15	66.70	1.78	11.85													
25.73	1.35	3.48	2.17	5.58	0.00	0.00	-	3.52	9.06	15.55	2.18	3.40	2.17	3.37	0.63	0.98	-	4.98	7.74	15.98	2.20	3.51													
34.83	1.79	6.24	2.12	7.39	0.00	0.00	-	3.92	13.64	43.32	1.38	5.96	2.12	9.20	0.00	0.00	-	3.50	15.16	44.43	1.40	6.24													
47.65	1.94	9.23	2.37	11.31	0.00	0.00	-	4.31	20.54	44.86	1.98	8.88	2.37	10.65	1.76	7.92	-	6.12	27.44	47.70	1.88	8.98													
13.25	5.16	6.84	1.54	2.04	0.00	0.01	-	6.71	8.89	22.24	2.98	6.62	1.54	3.42	0.00	0.01	-	4.52	10.05	40.64	1.68	6.84													
49.23	1.20	5.89	1.69	8.31	0.00	0.01	-	2.89	14.21	56.56	1.21	6.85	1.69	9.55	0.30	1.72	-	3.20	18.11	63.23	1.19	7.53													
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
494.43	1.26	62.10	1.55	76.66	0.00	0.04	-	2.81	138.81	535.04	1.16	62.23	1.53	81.97	0.61	32.77	-	3.31	176.97	583.20	1.12	65.34													
60.93	2.83	17.25	2.49	15.17	0.10	0.60	-	5.42	33.02	104.72	1.59	16.69	2.49	26.08	-	-	-	4.08	42.76	143.35	1.20	17.25													
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													

	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	
	May										June													
Units (MU)	Fixed Charges		Energy/Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge			
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
-	-	-	-	0.63	-	-	-	-	0.63	0.88	-	-	5.04	0.44	-	-	-	5.04	0.44	1.10	-	-	-	
60.93	2.83	17.25	2.59	15.81	0.10	0.60	-	5.52	33.65	105.60	1.58	16.69	2.51	26.52	-	-	-	4.09	43.21	144.45	1.19	17.25	-	
99.07	1.09	10.77	1.95	19.35	0.00	0.02	-	3.04	30.14	84.22	1.33	11.19	1.95	16.45	0.00	0.03	15.74	5.15	43.41	76.49	1.99	15.23	-	
50.94	2.71	13.82	2.31	11.79	0.00	0.01	-	5.03	25.62	46.96	2.84	13.33	2.31	10.87	0.00	0.01	-	5.16	24.21	38.32	2.25	8.64	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	55.76	-	-	-	-	-	-	-	-	67.62	-	-	-	-	
38.22	1.52	5.82	1.61	6.16	-0.06	-0.23	-	3.07	11.75	56.33	0.99	5.59	1.61	9.09	-0.31	-1.74	-	2.30	12.94	58.24	1.33	7.77	-	
147.60	1.06	15.60	1.21	17.94	-0.06	-0.87	-	2.21	32.67	219.98	0.68	15.02	1.21	26.71	-0.05	-1.09	-	1.85	40.63	237.60	0.66	15.04	-	
186.02	1.15	21.42	1.30	24.11	-0.06	-1.10	-	2.39	44.42	276.31	0.75	20.60	1.30	35.79	-0.10	-2.83	-	1.94	53.57	285.84	0.80	22.80	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8.66	-	-	2.16	1.87	-	-	-	2.16	1.87	8.75	-	-	2.16	1.89	-	-	-	2.16	1.89	26.06	-	-	-	
181.28	0.11	2.04	1.31	23.79	-	-	-	1.42	25.83	270.91	0.08	2.04	1.31	35.55	-	-	-	1.39	37.59	279.54	0.07	2.04	-	
84.70	1.58	13.39	1.74	14.76	0.81	6.90	-	4.14	35.05	147.95	0.96	14.17	1.74	25.79	1.05	15.51	-	3.75	55.47	161.72	0.91	14.73	-	
98.75	1.96	19.36	2.34	23.09	0.05	0.49	-	4.35	42.94	127.46	1.42	18.09	2.34	29.80	0.05	0.64	-	3.81	48.53	134.13	1.40	18.74	-	
102.62	2.89	29.69	2.58	26.52	-	-	-	5.48	56.21	165.66	2.93	48.60	2.58	42.81	-	-	-	5.52	91.41	208.03	2.64	54.84	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
147.78	2.22	32.79	3.12	46.17	-	-	-	5.34	78.95	216.18	2.40	51.98	3.23	69.87	-0.00	-0.00	-	5.64	121.85	85.67	3.54	30.33	-	
707.38	0.78	55.33	1.88	132.73	0.13	8.88	-	2.78	196.94	695.07	0.77	53.54	2.13	148.29	0.12	8.61	-	3.03	210.45	629.85	0.88	55.33	-	
29.44	3.13	9.23	3.73	10.98	-	-	-	6.86	20.21	32.14	6.07	7.37	3.75	4.55	-	-	-	9.82	11.92	3.77	3.08	1.16	-	
28.93	3.22	9.32	3.72	10.75	-	-	-	6.94	20.07	10.18	6.35	6.46	3.74	3.80	-	-	-	10.08	10.26	3.59	5.35	1.92	-	
44.37	2.09	9.28	3.33	14.77	-	-	-	5.42	24.05	16.94	3.77	6.38	3.34	5.67	-	-	-	7.11	12.05	4.73	5.59	2.64	-	
29.41	3.13	9.20	3.69	10.86	-	-	-	6.82	20.06	15.28	3.98	6.09	3.76	5.75	-	-	-	7.74	11.83	5.27	2.92	1.54	-	
30.03	3.18	9.55	3.40	10.22	-	-	-	6.58	19.76	18.92	3.71	7.02	3.42	6.47	-	-	15.65	15.39	29.13	11.98	3.61	4.32	-	
492.38	2.11	103.67	2.77	136.50	-0.40	-19.66	-	4.48	220.51	480.41	2.06	98.87	2.78	133.39	0.30	14.61	-	10.15	5.35	257.01	545.77	2.13	115.98	-
988.88	2.63	259.77	2.84	281.33	-	-	-	5.47	541.10	974.33	2.67	259.77	2.85	277.64	-	-	107.07	6.61	644.47	778.14	3.32	258.42	-	
235.51	2.40	56.54	1.90	44.65	-	-	-	4.30	101.19	207.60	2.64	54.76	1.90	39.45	-	-	5.12	4.78	99.32	210.39	2.69	56.62	-	
736.11	1.30	95.39	2.30	169.45	-	-	-	3.60	264.85	839.37	1.26	105.85	2.40	201.45	-	-	-	3.66	307.30	696.66	1.29	89.83	-	
210.54	2.51	52.92	1.83	38.55	-	-	-	4.34	91.47	209.06	2.45	51.29	1.84	38.54	-	-	-	4.30	89.84	195.00	2.57	50.14	-	
674.70	1.57	105.79	2.91	196.05	-	-	-	4.47	301.84	670.10	1.58	105.79	3.17	212.70	0.02	1.41	-	4.77	319.50	656.87	1.61	105.79	-	
333.54	0.14	4.72	1.15	38.35	0.03	1.16	-	1.33	44.23	307.86	0.15	4.56	1.15	35.40	-	-	1.30	39.97	289.96	0.16	4.72	-		
213.95	1.96	41.95	1.65	35.23	-	-	-	3.61	77.19	195.97	1.75	34.26	1.65	32.33	-	-	1.80	3.49	68.39	185.53	1.73	32.12	-	
8.56	4.79	4.10	3.69	3.16	0.49	0.42	-	8.97	7.68	16.76	3.44	5.76	3.74	6.26	0.04	0.07	-	7.21	12.09	39.48	1.46	5.78	-	
5,387.52	1.72	924.01	2.36	1,269.79	-0.00	-1.80	-	4.07	2,192.00	5,606.94	1.68	942.65	2.42	1,357.39	0.07	40.85	-	139.78	4.42	2,480.67	5,152.14	1.76	906.98	-
11,286.78	1.35	1,528.94	2.26	2,554.14	-	25.10	-	3.69	4,163.93	11,453.78	1.35	1,544.50	2.42	2,777.43	-	91.83	-	139.78	4.03	4,621.16	10,834.39	1.40	1,514.64	-

May										June												
Units (MU)	Fixed Charges		Energy/Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge	
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)
264.98	-	-	5.12	135.60	-	-	-	5.12	135.60	109.45	-	-	5.22	57.11	-	-	-	5.22	57.11	35.17	-	-
264.98	-	-	5.12	135.60	-	-	-	5.12	135.60	109.45	-	-	5.22	57.11	-	-	-	5.22	57.11	35.17	-	-
157.40	-	-	5.55	87.28	-	-	-	5.55	87.28	162.74	-	-	5.04	82.01	-	-	-	5.04	82.01	152.36	-	-
157.40	-	-	5.55	87.28	-	-	-	5.55	87.28	162.74	-	-	5.04	82.01	-	-	-	5.04	82.01	152.36	-	-
70.50	-	-	3.50	24.68	-	-	-	3.50	24.68	119.34	-	-	3.43	40.95	-	-	-	3.43	40.95	116.99	-	-
70.50	-	-	3.50	24.68	-	-	-	3.50	24.68	119.34	-	-	3.43	40.95	-	-	-	3.43	40.95	116.99	-	-
65.02	-	-	4.76	30.93	0.26	1.69	-	5.02	32.62	59.46	-	-	4.78	28.44	0.28	1.67	-	5.07	30.12	55.93	-	-
44.94	-	-	3.61	16.22	0.02	0.11	-	3.63	16.33	44.74	-	-	3.65	16.34	0.03	0.12	-	3.68	16.46	38.96	-	-
						449.06			449.06							544.47			544.47			
-28.45	-	-	-12.46	35.44	-	-	-	-12.46	35.44	-18.46	-	-	-11.71	21.62	-	-	-	-11.71	21.62	-6.16	-	-
577.07	-	-	5.36	309.22	0.02	0.87	-	5.37	310.09	250.63	-	-	5.59	140.15	0.03	0.75	-	5.62	140.90	-	-	-
84.19	-	-	4.79	40.35	0.00	0.00	-	4.79	40.35	115.22	-	-	4.43	51.06	0.00	0.00	-	4.43	51.06	268.68	-	-
79.70	-	-	2.87	22.86	-	-	-	2.87	22.86	36.70	-	-	3.44	12.64	-	-	-	3.44	12.64	60.20	-	-
553.10	-	-	6.55	362.15	0.06	3.25	-	6.61	365.41	310.68	-	-	6.44	200.19	0.12	3.66	-	6.56	203.85	202.32	-	-
						0.41			0.41							0.12			0.12			
12,442.72	1.23	1,528.94	2.58	3,211.00		479.21		4.24	5,274.90	12,260.20	1.26	1,544.50	2.61	3,202.47		641.76	139.78	4.56	5,596.13	11,436.12	1.32	1,514.64

47		48		49		50		51		52		53		54		55		56		57		58		
July																							Aug	
Energy/ Variable Charges		Other Cost				Late payment Surcharge	Total Cost		Units (MU)		Fixed charge		Energy/ Variable Charges											
(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
1.81	0.35	0.03	0.01	-	-	3.30	0.65	1.77	1.64	0.29	1.70	0.30	-	-	-	-	-	-	-	-	-	-	-	
1.86	0.24	0.04	0.01	-	-	3.42	0.44	1.68	1.47	0.25	1.75	0.29	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.39	0.15	-	-	-	-	8.86	0.41	0.36	6.91	0.25	3.38	0.12	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	5.48	-	-	5.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.23	435.27	0.03	5.77	-	-	3.49	680.68	1,993.84	1.17	232.69	2.16	430.57	-	-	-	-	-	-	-	-	-	-	-	
-	536.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.48	0.16	-	-	-	-	2.48	0.16	0.63	-	-	2.48	0.16	-	-	-	-	-	-	-	-	-	-	-	
3.20	34.28	-	-	-	-	3.20	34.28	106.17	-	-	3.20	34.02	-	-	-	-	-	-	-	-	-	-	-	
3.08	0.65	-	-	-	-	3.08	0.65	2.12	-	-	3.07	0.65	-	-	-	-	-	-	-	-	-	-	-	
3.49	16.08	-	-	-	-	3.49	16.08	46.49	-	-	3.49	16.20	-	-	-	-	-	-	-	-	-	-	-	
4.05	38.11	-	-	-	-	4.05	38.11	93.87	-	-	4.05	38.06	-	-	-	-	-	-	-	-	-	-	-	
3.57	89.27	-	-	-	-	3.57	89.27	249.28	-	-	3.57	89.08	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0.62	2.08	0.00	0.00	-	-	1.16	3.93	35.27	0.52	1.85	0.62	2.17	-	-	-	-	-	-	-	-	-	-	-	
1.65	2.07	0.00	0.00	-	-	3.27	4.10	12.95	1.62	2.10	1.65	2.13	-	-	-	-	-	-	-	-	-	-	-	
1.14	9.28	0.00	0.01	-	-	1.60	13.01	79.59	0.46	3.63	1.14	9.08	-	-	-	-	-	-	-	-	-	-	-	
0.82	5.00	0.00	0.00	-	-	1.58	9.61	49.41	0.82	4.06	0.82	4.06	-	-	-	-	-	-	-	-	-	-	-	
1.00	6.28	0.00	0.00	-	-	1.66	10.36	28.30	0.63	1.77	1.01	2.84	-	-	-	-	-	-	-	-	-	-	-	
1.22	6.50	0.00	0.00	-	-	1.98	10.62	54.01	0.78	4.20	1.22	6.56	-	-	-	-	-	-	-	-	-	-	-	
2.75	18.34	0.00	0.01	-	-	4.53	30.19	62.12	1.77	11.01	2.75	17.08	-	-	-	-	-	-	-	-	-	-	-	
2.17	3.47	0.00	0.00	-	-	4.37	6.98	19.82	1.77	3.51	2.17	4.30	-	-	-	-	-	-	-	-	-	-	-	
2.12	9.43	0.00	0.00	-	-	3.53	15.67	41.62	1.38	5.75	2.12	8.84	-	-	-	-	-	-	-	-	-	-	-	
2.37	11.32	0.00	0.00	-	-	4.26	20.31	43.38	1.94	8.41	2.37	10.29	-	-	-	-	-	-	-	-	-	-	-	
1.54	6.26	0.00	0.01	-	-	3.22	13.11	45.51	1.50	6.84	1.54	7.00	-	-	-	-	-	-	-	-	-	-	-	
1.69	10.67	0.00	0.01	-	-	2.88	18.21	37.48	1.24	4.64	1.69	6.33	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	51.34	-	-	51.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.56	90.70	0.88	51.39	-	-	3.56	207.43	509.47	1.13	57.78	1.58	80.69	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.49	35.69	0.04	0.60	-	-	3.74	53.54	142.86	1.21	17.24	2.54	36.27	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Jst	September															October													
	Other Cost		Late payment Surcharge		Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge		Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge		Total cost		Units (MU)
	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)		(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	
	-0.03	-0.00	-	3.32	0.59	1.41	2.77	0.39	1.64	0.23	-0.14	-0.02	-	4.27	0.60	1.43	1.77	0.25	1.57	0.22	-	-	-	-	-	-	3.34	0.48	1.62
	0.06	0.01	-	3.28	0.55	3.79	1.50	0.57	1.70	0.64	0.06	0.02	-	3.26	1.24	0.73	1.84	0.13	1.63	0.12	-0.06	-0.00	-	-	-	3.41	0.25	0.82	
	-	-	-	-	-	104.66	-	-	1.73	18.09	-	-	-	1.73	18.09	-	-	-	-	-	-	-	-	-	-	-	-	-	224.32
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	10.29	0.37	-	-	0.25	-	-	-	-	-	0.25	0.01	0.01	414.41	0.26	3.30	0.00	-	-	-	-	-	417.71	0.26	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.28	1.28	2.01	0.26	2.30	0.29	-	-	-	-	-	4.31	0.55	1.25	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-17.71	-	-	-17.71	-	-	-	-	-	-	-	-	-16.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-3.43	-
	-0.09	-17.68	-	3.24	645.58	2,044.33	1.17	238.70	2.31	473.04	-0.05	-10.11	-	3.43	701.64	1,629.97	1.44	235.15	1.86	303.58	0.01	-	-	-	-	3.31	539.86	-3.43	1,766.35
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	2.48	0.16	0.61	-	-	2.48	0.15	0.00	0.00	-	2.48	0.15	0.61	-	-	2.48	0.15	-	-	-	-	-	2.48	0.15	0.49	-
	-0.07	-0.70	-	3.14	33.31	103.48	-	-	3.20	33.15	0.00	0.03	-	3.21	33.18	109.41	-	-	3.21	35.15	-0.01	-0.10	-	-	-	3.20	35.05	95.47	-
	0.00	0.00	-	3.07	0.65	1.87	-	-	3.07	0.58	-	-	-	3.07	0.58	1.87	-	-	3.07	0.58	0.00	0.00	-	-	-	3.07	0.58	1.01	-
	-0.10	-0.48	-	3.38	15.72	45.17	-	-	3.48	15.72	-	-	-	3.48	15.72	46.11	-	-	3.49	16.08	0.02	0.09	-	-	-	3.51	16.17	46.19	-
	-	-	-	4.05	38.06	86.51	-	-	4.05	35.07	0.01	0.09	-	4.06	35.16	91.40	-	-	4.06	37.06	-	-	-	-	-	4.06	37.06	63.72	-
	-0.05	-1.18	-	3.53	87.90	237.63	-	-	3.56	84.66	0.01	0.13	-	3.57	84.79	249.40	-	-	3.57	89.02	-0.00	-0.01	-	-	-	3.57	89.01	206.89	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.00	0.00	-	1.14	4.02	32.36	0.55	1.79	0.62	1.99	-0.10	-0.32	-	1.07	3.46	12.60	1.20	1.51	0.62	0.78	0.00	0.00	-	-	-	1.82	2.29	10.82	-
	0.00	0.00	-	3.27	4.24	12.91	1.58	2.03	1.65	2.13	-0.12	-0.16	-	3.10	4.01	13.13	1.55	2.04	1.65	2.16	0.00	0.00	-	-	-	3.20	4.20	6.80	-
	-0.01	-0.11	-	1.58	12.60	49.40	0.52	2.59	1.14	5.64	-0.25	-1.24	-	1.41	6.98	22.32	1.61	3.59	1.14	2.55	-0.00	-0.00	-	-	-	2.75	6.13	15.14	-
	0.00	0.01	-	1.65	8.13	40.59	1.12	4.56	0.82	3.34	-0.36	-1.46	-	1.58	6.43	29.54	1.31	3.88	0.82	2.43	0.00	0.00	-	-	-	2.14	6.32	50.25	-
	0.00	0.04	-	1.63	4.62	5.02	0.64	0.32	1.00	0.70	-0.96	-	-	0.25	-0.13	19.12	0.72	1.37	1.00	1.92	0.00	0.00	-	-	-	1.72	3.29	11.84	-
	0.00	0.01	-	1.99	10.77	49.90	0.82	4.07	1.22	6.06	-0.20	-1.01	-	1.83	9.12	25.16	1.65	4.15	1.22	3.06	0.00	0.00	-	-	-	2.87	7.21	10.89	-
	0.00	0.01	-	4.52	28.10	63.24	1.75	11.06	2.75	17.38	-0.52	-3.27	-	3.98	25.18	62.30	1.90	11.86	2.75	17.13	0.00	0.01	-	-	-	4.65	28.99	35.18	-
	0.00	0.00	-	3.94	7.81	6.38	5.32	3.39	2.17	1.38	-0.84	-0.53	-	6.65	4.25	3.56	9.68	3.45	2.17	0.77	0.00	0.00	-	-	-	11.85	4.22	4.55	-
	0.00	0.00	-	3.50	14.59	30.04	1.49	4.48	2.12	6.38	-0.37	-1.11	-	3.24	9.74	14.81	4.26	6.30	2.12	3.14	0.00	0.00	-	-	-	6.38	9.45	7.34	-
	0.00	0.01	-	4.31	18.71	32.00	2.64	8.45	2.37	7.59	-0.45	-1.44	-	4.56	14.60	25.01	3.04	7.59	2.37	5.94	0.00	0.00	-	-	-	5.41	13.53	28.88	-
	0.00	0.01	-	3.05	13.86	22.37	2.96	6.62	1.54	3.44	-0.39	-0.88	-	4.10	9.18	8.77	7.80	6.84	1.54	1.35	0.01	0.01	-	-	-	9.35	8.20	4.38	-
	12.55	47.04	-	15.48	58.01	49.19	1.68	8.26	1.69	8.30	-0.50	-2.45	-	2.87	14.12	27.88	3.48	9.70	1.97	5.49	0.00	0.01	-	-	-	5.45	15.19	17.80	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	0.92	46.99	-	3.64	185.46	393.39	1.46	57.63	1.63	64.15	-0.38	-14.85	-	2.72	106.93	264.21	2.36	62.28	1.77	46.71	0.00	0.04	-	-	-	4.13	109.03	203.88	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	3.74	53.50	101.13	1.65	16.69	2.56	25.87	-	-	-	4.21	42.56	37.16	4.64	17.25	2.49	9.25	-	-	-	-	-	7.13	26.50	23.69	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		82		83		84	
jst																							September											October																	
Other Cost		Late payment Surcharge		Total Cost		Units (MU)		Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge		Total cost		Units (MU)		Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge		Total cost		Units (MU)																					
(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)							
-0.94	-1.42	-	3.35	5.04	8.36	-	-	0.81	0.68	-171.96	-143.77	-	-171.15	-143.09	35.69	-	-	4.09	14.60	-0.12	-0.41	-	3.98	14.19	392.95	-0.94	-1.42	-	3.35	5.04	8.36	-	-	0.81	0.68	-171.96	-143.77	-	-171.15	-143.09	35.69	-	-	4.09	14.60	-0.12	-0.41	-	3.98	14.19	392.95
-	-	-	4.56	71.65	148.52	-	-	4.45	66.08	-	-	-	4.45	66.08	175.59	-	-	4.67	81.91	-	-	-	4.67	81.91	163.16	-	-	-	4.56	71.65	148.52	-	-	4.45	66.08	-	-	-	4.45	66.08	175.59	-	-	4.67	81.91	-	-	-	4.67	81.91	163.16
-	-	-	3.40	38.94	58.86	-	-	3.42	20.13	-	-	-	3.42	20.13	1.92	-	-	3.29	0.63	-	-	-	3.29	0.63	54.85	-	-	-	3.40	38.94	58.86	-	-	3.42	20.13	-	-	-	3.42	20.13	1.92	-	-	3.29	0.63	-	-	-	3.29	0.63	54.85
0.30	1.61	-	4.84	26.22	52.65	-	-	4.53	23.86	0.31	1.63	-	4.84	25.48	56.20	-	-	4.45	25.02	0.29	1.63	-	4.74	26.65	50.70	0.02	0.08	-	3.56	12.92	38.04	-	-	3.63	13.79	0.02	0.09	-	3.65	13.89	35.88	-	-	3.43	12.29	0.02	0.06	-	3.44	12.36	41.06
-	-	-	416.58	416.58	-	-	-	-	-	-	-	-	-	-	592.63	-	-	-	-	-	-	-	-	-	418.02	-	-	-	416.58	416.58	-	-	-	-	-	-	-	-	-	592.63	-	-	-	-	-	-	-	-	-	418.02	418.02
-	-	-	23.81	27.55	4.61	-	-	48.33	22.30	-	-	-	48.33	22.30	-25.22	-	-	-9.01	22.71	-	-	-	-9.01	22.71	-54.30	-	-0.22	-	-	-0.22	-	-	-	-	-	-0.24	-	-	-0.24	-	-	-	-	-	-	-0.20	-	-	-0.20	-	
0.09	0.78	-	5.59	51.05	148.62	-	-	5.48	81.37	0.05	0.76	-	5.53	82.13	302.44	-	-	5.33	161.05	-	-	-	5.33	161.05	-	-	-1.39	-	-	-1.39	-	-	-	-	-	12.98	-	-	12.98	-	-	-	-	-	7.14	-	-	7.14	-		
0.00	0.00	-	4.47	120.23	208.48	-	-	3.78	78.72	0.00	0.00	-	3.78	78.72	18.80	-	-	4.91	9.23	0.02	0.03	-	4.92	9.26	-8.66	-	-	-	2.69	3.01	11.86	-	-	2.39	2.84	-	-	-	2.39	2.84	55.96	-	-	2.43	13.62	-	-	2.43	13.62	14.70	
-0.02	-0.82	-	5.38	194.22	349.86	-	-	5.13	179.55	0.39	13.51	-	5.52	193.06	240.07	-	-	7.47	179.37	0.29	6.97	-	7.76	186.34	-77.66	-	-	-	5.38	194.22	349.86	-	-	5.13	179.55	0.39	13.51	-	5.52	193.06	240.07	-	-	7.47	179.37	0.29	6.97	-	7.76	186.34	-77.66
-	-1.23	-	-	-1.23	-	-	-	-	-	-	-1.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
458.96	-	-	4.22	4,951.09	10,576.31	1.27	1,342.56	2.46	2,600.65	-	563.16	-	4.48	4,734.96	8,977.88	1.59	1,425.83	2.42	2,168.16	-	419.28	-	4.56	4,090.15	7,971.98	458.96	-	-	4.22	4,951.09	10,576.31	1.27	1,342.56	2.46	2,600.65	-	563.16	-	4.48	4,734.96	8,977.88	1.59	1,425.83	2.42	2,168.16	-	419.28	-	4.56	4,090.15	7,971.98

November					December										January												
Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Tot
(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	
-	-	-	-	-	-	-	-	-	0.54	-	-	5.04	0.27	-	-	-	-	17.21	8.55	14.72	1.32	2.27	-	-	-	5.04	
6.24	14.78	2.45	5.81	-	-	-	8.69	20.58	18.61	7.94	14.78	1.60	2.97	-	-	-	9.54	17.75	17.21	8.55	14.72	1.32	2.27	-	-	9.87	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.83	31.28	2.66	21.69	0.00	0.02	-	6.49	52.99	93.52	3.45	32.23	2.66	24.84	0.00	0.02	-	6.10	57.09	106.31	2.89	30.73	2.66	28.24	0.00	0.02	5.55	
1.68	4.71	2.31	6.49	0.00	0.01	-	4.00	11.20	33.40	2.66	8.88	2.31	7.73	0.01	0.04	-	4.99	16.66	40.05	2.86	11.46	2.31	9.27	0.00	0.01	5.18	
-	-	-	-	-	-	-	-	0.44	-	-	-	2.43	0.11	-	-	-	2.43	0.11	2.28	-	-	2.44	0.55	-	-	2.44	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	64.19	-	-	-	-	-	-	-	-	73.85	-	-	-	-	-	-	-	-	-
4.83	6.19	2.12	2.72	0.00	0.00	-	6.95	8.91	9.91	6.41	6.36	2.05	2.03	0.03	0.03	-	8.49	8.42	8.62	7.09	5.11	1.20	1.03	0.00	0.00	8.39	
2.39	13.82	2.14	5.62	0.00	0.01	-	3.53	17.46	38.21	3.17	13.13	1.14	4.35	0.00	0.01	-	4.31	16.49	33.12	3.58	11.85	1.14	3.77	-0.74	-2.46	3.97	
2.89	18.01	1.34	8.34	0.00	0.02	-	4.24	26.37	48.13	3.84	18.48	1.33	6.38	0.01	0.04	-	5.18	24.91	41.74	4.30	17.95	1.15	4.80	-0.59	-2.46	4.86	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	2.16	0.97	-	-	-	2.16	0.97	0.73	-	-	2.16	0.16	-	-	-	2.16	0.16	-	-	-	-	-	-	-	-	-
0.28	2.04	1.31	9.60	-	-	-	1.59	11.64	51.95	0.39	2.04	1.31	6.82	-	-	-	1.71	8.86	41.34	0.49	2.04	1.31	5.43	-	-	1.81	
3.63	12.51	1.58	5.44	2.08	7.16	-	7.28	25.10	26.44	4.50	11.89	1.20	3.17	4.19	11.07	-	9.89	26.14	22.84	4.38	10.00	1.20	2.74	2.46	5.63	8.04	
5.94	18.40	1.20	3.71	0.05	0.15	-	7.19	22.27	29.15	6.64	19.36	1.20	3.50	19.50	56.82	1.83	27.97	81.51	21.79	10.98	23.93	1.20	2.62	0.05	0.11	12.23	
3.79	23.60	1.20	7.47	-	-	-	4.99	31.07	49.12	3.39	16.64	1.20	5.89	-	-	-	4.59	22.53	47.39	2.79	13.22	1.20	5.69	-	-	3.99	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.34	53.56	2.16	86.31	0.20	8.12	-	3.70	147.99	598.54	1.06	63.45	1.95	116.65	0.40	24.01	-	3.41	204.10	625.70	0.75	47.06	1.87	117.12	0.14	8.75	2.76	
-	10.78	-	-	-	-	-	-	-	13.51	8.07	10.90	3.43	4.63	-	-	-	11.50	15.53	40.92	4.00	3.44	0.34	-	-	-	44.37	
-	10.82	-	-	-	-	-	-	-	10.82	11.87	10.66	3.44	4.08	-	-	-	12.42	14.74	-	5.89	-	-	-	-	-	-	-
-	5.59	-	-	-	-	-	-	5.59	12.89	8.30	10.70	3.26	4.38	-	-	-	11.70	15.08	2.67	28.24	7.54	3.47	0.92	-	-	31.70	
-	11.15	-	-	-	-	-	-	11.15	16.31	6.93	11.30	3.29	5.37	-	-	-	28.45	27.67	45.12	2.65	20.64	5.47	3.39	0.90	-	24.03	
2.85	88.06	2.80	86.33	-0.52	-16.03	-	5.13	158.36	155.44	6.38	99.24	2.80	43.58	-0.59	-9.24	21.70	9.99	155.28	331.51	3.29	109.09	2.81	93.13	-0.40	-13.19	5.70	
3.35	288.46	2.85	245.41	-	-	-	6.20	533.87	431.56	3.64	157.09	2.85	123.09	-	-	-	68.70	8.08	348.88	283.22	7.59	214.95	3.16	89.63	-	10.75	
3.22	54.92	1.92	32.78	-	-	-	5.15	87.71	125.99	4.51	56.77	1.93	24.32	-	-	0.21	6.45	81.30	179.23	3.17	56.79	1.94	34.69	-	6.45	5.10	
1.50	97.87	2.48	161.82	-	-	-	3.98	259.69	600.92	1.53	91.70	2.43	146.20	-0.00	-0.05	-	3.96	237.85	653.01	1.67	108.76	2.53	165.41	-	-	4.20	
2.44	36.90	1.90	28.78	-0.15	-2.34	-	4.18	63.35	153.40	2.45	37.64	1.91	29.26	-0.16	-2.52	-	4.20	64.38	198.45	2.69	53.43	1.91	37.97	-	-	4.61	
-	105.79	-	0.57	-	-	-	-	106.36	260.60	4.06	105.79	3.15	82.06	0.05	1.41	-	7.26	189.26	517.91	2.94	105.79	2.92	151.36	0.20	10.61	5.37	
0.34	4.56	1.15	38.09	0.00	0.01	-	1.29	42.66	337.12	0.14	4.72	1.15	38.76	0.00	0.01	-	1.29	43.49	331.06	0.34	4.72	1.15	38.07	0.00	0.01	1.39	
2.02	17.35	1.66	14.30	-0.49	-4.21	-	3.19	27.44	183.74	1.97	36.13	1.67	30.60	-0.04	-0.72	-	3.59	66.02	165.64	1.88	31.08	1.67	27.63	0.10	-1.73	3.44	
2.44	11.13	2.03	9.22	-0.08	-0.38	-	4.38	19.96	29.44	3.78	11.13	2.12	6.26	-0.10	-0.29	-	5.81	17.09	30.72	3.62	11.13	2.05	6.29	0.00	0.00	5.67	
21.77	1.50	3.70	0.26	27.16	1.87	-	52.63	3.63	0.71	19.45	1.37	3.59	0.25	-10.68	-0.75	-	12.36	0.87	0.34	40.71	1.37	3.55	0.12	2.10	0.07	46.36	
2.70	866.59	2.28	731.06	-0.02	-5.64	-	4.95	1,592.01	3,105.70	2.48	769.11	2.20	684.35	0.26	79.74	120.90	5.33	1,654.10	3,460.70	2.38	825.18	2.26	781.45	0.03	10.25	4.67	
2.02	1,485.10	2.18	1,598.34	-	-1.96	-	4.29	3,149.61	7,093.64	1.90	1,348.75	2.15	1,522.59	-	-	114.58	4.80	3,405.37	7,662.51	1.79	1,374.60	2.20	1,684.93	-	15.71	4.12	

November										December										January										
Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge		Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge		Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge		Tot
(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)		(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	
-	-	3.28	128.97	-0.04	-1.55	-	3.24	127.41	598.02	-	-	3.23	193.40	0.00	0.12	-	3.24	193.52	616.18	-	-	3.52	216.59	-0.06	-3.90	-	-	3.45		
-	-	3.28	128.97	-0.04	-1.55	-	3.24	127.41	598.02	-	-	3.23	193.40	0.00	0.12	-	3.24	193.52	616.18	-	-	3.52	216.59	-0.06	-3.90	-	-	3.45		
-	-	4.66	75.99	-	-	-	4.66	75.99	160.08	-	-	4.28	68.52	-	-	-	4.28	68.52	233.96	-	-	4.03	94.35	-	-	-	-	4.03		
-	-	4.66	75.99	-	-	-	4.66	75.99	160.08	-	-	4.28	68.52	-	-	-	4.28	68.52	233.96	-	-	4.03	94.35	-	-	-	-	4.03		
-	-	3.53	19.36	-	-	-	3.53	19.36	87.69	-	-	3.53	30.96	-	-	-	3.53	30.96	98.07	-	-	3.43	33.62	-	-	-	-	3.43		
-	-	3.53	19.36	-	-	-	3.53	19.36	87.69	-	-	3.53	30.96	-	-	-	3.53	30.96	98.07	-	-	3.43	33.62	-	-	-	-	3.43		
-	-	4.20	21.28	0.31	1.59	-	4.51	22.87	50.97	-	-	4.41	22.47	0.32	1.61	-	4.73	24.09	56.50	-	-	4.21	23.79	0.30	1.68	-	-	4.51		
-	-	3.64	14.96	0.03	0.11	-	3.67	15.08	35.54	-	-	3.76	13.36	0.02	0.09	-	3.78	13.45	35.06	-	-	3.51	12.30	0.01	0.05	-	-	3.52		
					423.62			423.62							589.53			589.53									326.29			
-	-	1.78	-9.66	-	-	-	1.78	-9.66	-49.71	-	-	0.38	-1.87	-	-	-	0.38	-1.87	-5.99	-	-	-35.69	21.37	-	-	-	-	-35.69		
-	-	-	-	-	-0.18	-	-	-0.18	-	-	-	-	-	-	-	-	0.67	-	-	-	-	-	-	-	-	3.25	-	-		
-	-	-	-	-	1.91	-	-	1.91	-	-	-	-	-	-	-	-	3.68	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	7.26	-	-	7.26	-	-	-	-	-	-	-	-	3.84	-	-	-	-	-	-	-	-	7.52	-	-		
-	-	-3.73	3.23	-0.00	0.00	-	-3.73	3.23	53.20	-	-	3.67	19.55	0.00	0.00	-	3.67	19.55	45.43	-	-	3.49	15.84	0.00	0.00	-	-	3.49		
-	-	2.97	4.37	-	-	-	2.97	4.37	86.70	-	-	3.11	26.95	-	-	-	3.11	26.95	131.03	-	-	3.19	41.85	-	-	-	-	3.19		
-	-	1.39	-10.80	-1.16	8.98	-	0.23	-1.81	-83.20	-	-	1.11	-9.27	-0.98	8.18	-	0.13	-1.08	-91.59	-	-	0.51	-4.64	-1.18	10.77	-	-	-0.67		
1.86	1,485.10	2.32	1,848.10		430.78	-	4.81	3,832.11	7,942.74	1.70	1,348.75	2.32	1,842.04		714.11	-	5.44	4,324.35	8,610.69	1.60	1,374.60	2.39	2,060.94		350.61	-	-	4.49		

	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134
	February											March										
Total cost	Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total cost		Units (MU)	
		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. Cr.)	(Rs. / kWh)		(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)		
0.45	1.27	1.88	0.24	1.66	0.21	-	-	-	3.54	0.45	0.92	2.67	0.25	1.66	0.15	-	-	-	-	4.33	0.40	19.25
0.22	0.64	1.99	0.13	1.71	0.11	-0.05	-0.00	-	3.65	0.23	0.54	2.48	0.13	1.72	0.09	-0.25	-0.01	-	-	3.95	0.21	14.22
106.80	212.84	2.12	45.02	2.38	50.74	-0.13	-2.74	-	4.37	93.02	168.99	2.66	45.02	2.46	41.62	-	-	-	-	5.13	86.65	1,184.70
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.27	0.14	16.39	0.23	3.04	0.04	2.00	0.03	-	21.43	0.30	-	-	0.25	-	-	-	-	-	-	-	0.25	1.92
0.44	0.57	4.94	0.28	2.39	0.14	-	-	-	7.33	0.42	0.25	10.37	0.26	2.47	0.06	-	-	-	-	12.84	0.33	4.52
-	1.07	1.97	0.21	2.92	0.31	-	-	-	4.89	0.52	0.42	4.95	0.21	2.97	0.13	-	-	-	-	7.92	0.34	1.49
-3.71	-	-	-	-	-	-	-	13.85	-	-	13.85	-	-	-	-	-	-	-	-	-172.67	25.87	-
658.72	1,607.46	1.70	273.83	1.91	307.57	0.19	31.12		3.81	612.53	1,441.19	1.90	273.62	1.89	272.15	-1.08	-155.90		2.88	415.73	22,097.86	
0.15	0.46	-	-	2.49	0.11	-	-	-	2.49	0.11	0.50	-	-	2.49	0.12	-3.66	-0.18	-	-1.17	-0.06	6.73	
32.40	93.22	-	-	3.20	29.87	-	-	-	3.20	29.87	96.76	-	-	2.97	28.75	-16.01	-154.93	92.45	-3.49	-33.73	1,229.14	
0.46	1.53	-	-	3.07	0.47	0.00	0.00	-	3.07	0.47	1.72	-	-	3.07	0.53	8.70	1.50	-	11.77	2.03	21.33	
17.95	38.84	-	-	3.49	13.54	-	-	-	3.49	13.54	19.49	-	-	3.49	6.80	1.06	2.06	-	4.54	8.85	519.36	
20.39	31.18	-	-	4.06	12.65	-	-	-	4.06	12.65	65.40	-	-	4.06	26.53	-34.59	-226.24	-	-30.53	-199.71	889.26	
71.36	165.22	-	-	3.43	56.65	0.00	0.00		3.43	56.65	183.87	-	-	3.41	62.73	-20.55	-377.80		-12.11	-222.61	2,665.82	
2.07	8.78	1.57	1.38	0.62	0.54	0.00	0.00	-	2.18	1.92	16.49	1.07	1.76	0.62	1.02	0.00	0.00	-	1.69	2.78	265.15	
1.79	2.78	4.80	1.33	1.20	0.33	0.00	0.00	-	6.00	1.67	4.31	3.36	1.45	1.09	0.47	0.00	0.00	-	4.45	1.92	102.67	
5.03	18.66	1.45	2.70	1.14	2.13	-0.00	-0.00	-	2.59	4.83	35.14	1.06	3.72	1.14	4.01	-0.00	-0.01	-	2.20	7.73	532.76	
8.13	50.46	0.77	3.87	0.82	4.15	-0.00	-0.00	-	1.59	8.02	70.45	0.69	4.88	0.82	5.79	-0.00	-0.01	-	1.51	10.67	664.14	
2.02	8.48	1.20	1.02	1.01	0.85	0.00	0.00	-	2.21	1.87	14.21	0.16	0.23	1.01	1.43	0.00	0.00	-	1.17	1.66	338.92	
3.25	6.48	3.78	2.45	1.20	0.78	0.00	0.00	-	4.99	3.23	7.97	3.98	3.17	1.19	0.95	0.00	0.00	-	5.17	4.12	324.88	
13.00	19.33	5.62	10.86	1.85	3.58	0.00	0.00	-	7.48	14.45	23.28	5.27	12.28	0.85	1.98	0.00	0.00	-	6.12	14.26	556.47	
5.36	13.31	2.35	3.13	2.16	2.88	-0.01	-0.02	-	4.50	5.99	20.75	4.94	10.25	4.20	8.71	-0.00	-0.00	-	9.13	18.95	173.34	
5.24	2.59	7.44	1.93	1.97	0.51	0.01	0.00	-	9.41	2.44	9.79	0.35	0.34	-2.04	-2.00	0.00	0.00	-	-1.70	-1.66	274.49	
9.34	28.05	1.94	5.44	1.20	3.37	-0.00	-0.01	-	3.14	8.80	36.09	-0.48	-1.75	-1.46	-5.28	-0.00	-0.01	-	-1.95	-7.03	435.41	
3.97	2.83	10.86	3.07	1.54	0.44	0.02	0.01	-	12.41	3.51	3.51	33.85	11.87	1.54	0.54	0.01	0.00	-	35.41	12.42	180.47	
6.62	6.04	6.58	3.98	1.97	1.19	0.01	0.01	-	8.56	5.18	12.36	0.90	1.11	1.97	2.43	0.00	0.01	-	2.87	3.55	398.90	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
66.13	167.80	2.45	41.17	1.24	20.74	-0.00	-0.00		3.69	61.91	254.35	1.94	49.33	0.79	20.05	1.95	49.51	136.09		10.02	254.97	4,257.62
16.72	14.32	9.29	13.31	1.20	1.72	-	-	-	10.49	15.02	21.05	7.22	15.21	1.20	2.53	-	-	-	-	8.42	17.73	730.73
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134
	February											March										
Total cost	Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total cost		Units (MU)	
		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		
212.70	588.69	-	-	3.33	196.06	-0.17	-9.81	-	3.16	186.25	545.86	-	-	3.15	171.76	-0.75	-40.70	-	2.40	131.06	3,717.72	
212.70	588.69	-	-	3.33	196.06	-0.17	-9.81	-	3.16	186.25	545.86	-	-	3.15	171.76	-0.75	-40.70	-	2.40	131.06	3,717.72	
94.35	281.45	-	-	4.09	115.11	-	-	-	4.09	115.11	319.22	-	-	4.00	127.83	0.86	27.49	-	4.87	155.32	2,217.21	
94.35	281.45	-	-	4.09	115.11	-	-	-	4.09	115.11	319.22	-	-	4.00	127.83	0.86	27.49	-	4.87	155.32	2,217.21	
33.62	93.97	-	-	3.38	31.72	-	-	-	3.38	31.72	84.68	-	-	3.34	28.24	-	-	-	3.34	28.24	950.88	
33.62	93.97	-	-	3.38	31.72	-	-	-	3.38	31.72	84.68	-	-	3.34	28.24	-	-	-	3.34	28.24	950.88	
25.47	56.21	-	-	4.41	24.80	0.39	2.17	-	4.80	26.97	58.25	-	-	4.97	28.92	0.44	2.58	2.95	5.91	34.45	677.59	
12.35	41.28	-	-	3.58	14.79	0.02	0.10	-	3.61	14.89	52.96	-	-	4.11	21.76	0.11	0.56	8.28	5.78	30.60	492.03	
326.29							318.40			318.40							475.59	0.01		475.60		
21.37	3.80	-	-	38.51	14.64	-	-	-	38.51	14.64	2.73	-	-	121.31	33.10	-	-	-0.95	117.82	32.15	-169.93	
3.25	-	-	-	-	-	-	3.55	-	-	3.55	-	-	-	-	-	-	1.85	-	-	1.85	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,717.56	
7.52	-	-	-	-	-	-	2.89	-	-	2.89	-	-	-	-	-	-	-11.28	0.01	-	-11.27	-	
15.84	28.39	-	-	3.56	10.11	0.00	0.00	-	3.56	10.11	3.06	-	-	2.96	0.91	0.01	0.00	-	2.97	0.91	1,140.29	
41.85	146.60	-	-	2.62	38.41	-	-	-	2.62	38.41	331.41	-	-	2.28	75.51	-	-	-	2.28	75.51	1,097.37	
6.13	-114.40	-	-	1.19	-13.67	-0.56	6.45	-	0.63	-7.22	-325.62	-	-	1.27	-41.50	0.29	-9.43	-0.94	1.59	-51.88	1,590.54	
																	116.21					
3,866.42	7,825.05	1.82	1,422.65	2.41	1,889.22		406.26	-	4.84	3,790.43	6,854.60	2.33	1,595.38	2.43	1,662.38		572.22	10.29	6.66	4,565.41	118,140.93	
																					118,140.93	

136		137		138		139		140		141		142		143		144		145		146	
Total																					
Annual Fixed Charges		Annual Energy/ Variable charge				Annual Other Cost		Late payment Surcharge	Total cost				Avg. Cost of Energy at Generator Bus	Avg. Cost of Energy at interfacepoint of Utility							
(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. / kWh)							
1.74	3.35	1.63	3.14		0.00	-					6.49	3.37									
1.64	2.33	1.69	2.40		0.02	-					4.75	3.34									
1.82	216.12	2.20	260.65		10.06	-					486.84	4.11									
-	-	-	-		-	-					-	-									
12.96	2.49	3.50	0.67		0.03	-					3.19	16.61									
3.23	1.46	2.45	1.11		-	-					2.57	5.68									
2.82	0.42	2.93	0.44		-	-					0.86	5.75									
-	-	-	-		-181.25	250.57					69.32	-									
	3,017.10		4,813.27		-79.67	250.57					8,001.26										
-	-	2.54	1.71		-0.22	-					1.49	2.21									
-	-	3.19	391.71		-155.60	92.45					328.56	2.67									
-	-	3.16	6.74		1.31	-					8.05	3.77									
-	-	3.49	181.07		1.78	-					182.84	3.52									
-	-	4.05	360.56		-226.06	-					134.51	1.51									
-	-		941.80		-378.80	92.45					655.45	2.46									
0.75	19.88	0.62	16.33		9.84	-					46.05	1.74									
1.98	20.31	1.59	16.37		15.34	-					52.02	5.07									
0.76	40.23	1.14	60.79		-1.32	-					99.70	1.87									
0.80	53.33	0.82	54.59		4.77	-					112.69	1.70									
0.71	24.04	1.01	34.06		0.92	-					57.18	1.69									
1.28	42.95	1.21	40.63		0.98	-					82.60	2.47									
2.20	122.34	2.64	146.82		2.46	-					271.63	4.88									
2.57	44.62	2.41	41.80		0.44	-					86.86	5.01									
2.10	57.72	1.97	54.07		2.85	-					114.64	4.18									
1.91	83.26	1.80	78.38		6.37	-					168.01	3.86									
4.13	74.62	1.54	27.77		-0.82	-					101.58	5.63									
1.95	77.61	1.75	69.75		46.37	-					193.73	4.86									
-	-	-	-		-	-					-	-									
-	-	-	-		-	-					-	-									
-	-	-	-		-	-					-	-									
-	-	-	-		96.92	136.09					233.00	-									
-	660.91	-	641.37		181.32	136.09					1,619.68	3.80									
2.62	191.78	2.39	174.87		1.81	-					368.45	5.04									
-	-	-	-		-	-					-	-									
-	-	-	-		-	-					-	-									

136		137		138		139		140		141		142		143		144		145		146	
Total																					
Annual Fixed Charges		Annual Energy/ Variable charge				Annual Other Cost		Late payment Surcharge	Total cost				Avg. Cost of Energy at Generator Bus	Avg. Cost of Energy at interfacpoint of Utility							
(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. / kWh)							
-	-	6.34	3.10	-	-	-	-	-	-	-	3.10	6.34	-	-							
-	191.78	-	177.97	-	1.81	-	-	-	-	-	371.56	5.05	-	-							
2.28	280.46	2.25	277.18	60.97	175.87	-	-	-	-	-	794.48	6.46	-	-							
2.49	124.70	2.27	113.77	0.24	-	-	-	-	-	-	238.71	4.77	-	-							
-	-	2.44	0.66	-	-	-	-	-	-	-	0.66	2.44	-	-							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
-	405.17	-	391.61	61.21	175.87	-	-	-	-	-	1,033.86	5.97	-	-							
2.03	72.40	2.01	71.79	2.11	-	-	-	-	-	-	146.31	4.10	-	-							
1.12	154.05	1.23	169.13	8.93	37.62	-	-	-	-	-	351.87	2.56	-	-							
-	226.46	-	240.92	-6.82	37.62	-	-	-	-	-	498.18	2.88	-	-							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
-	-	2.16	25.68	-	-	-	-	-	-	-	25.68	2.16	-	-							
0.14	24.28	1.31	226.02	38.69	-	-	-	-	-	-	278.98	1.61	-	-							
1.66	152.04	1.68	154.29	89.87	9.35	-	-	-	-	-	415.55	4.53	-	-							
2.67	239.62	2.48	222.19	47.26	4.71	-	-	-	-	-	513.78	5.72	-	-							
2.87	387.98	2.32	313.11	-	-	-	-	-	-	-	701.09	5.19	-	-							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
2.92	247.02	3.08	260.61	-7.76	22.76	-	-	-	-	-	522.63	6.17	-	-							
0.95	637.11	2.02	1,356.15	117.17	22.32	-	-	-	-	-	2,132.75	3.17	-	-							
11.14	92.42	3.70	30.70	-12.22	-	-	-	-	-	-	110.91	13.37	-	-							
12.25	89.64	3.69	26.96	0.65	-	-	-	-	-	-	117.26	16.03	-	-							
7.69	89.36	3.26	37.89	0.87	-	-	-	-	-	-	128.12	11.02	-	-							
9.13	85.71	3.73	35.04	0.84	-	-	-	-	-	-	121.59	12.95	-	-							
8.20	89.94	3.42	37.54	0.89	70.05	-	-	-	-	-	198.42	18.08	-	-							
2.55	1,219.31	2.79	1,331.69	20.01	35.92	-	-	-	-	-	2,606.94	5.46	-	-							
4.13	2,858.00	2.96	2,044.09	268.10	280.65	-	-	-	-	-	5,450.85	7.88	-	-							
2.94	669.32	1.92	435.51	191.21	55.17	-	-	-	-	-	1,351.20	5.94	-	-							
1.47	1,247.90	2.44	2,068.15	-18.17	177.89	-	-	-	-	-	3,475.77	4.10	-	-							
2.64	547.47	1.88	389.43	-81.80	24.17	-	-	-	-	-	879.27	4.24	-	-							
2.25	1,269.43	3.07	1,729.06	142.32	-	-	-	-	-	-	3,141.41	5.58	-	-							
0.15	55.68	1.15	434.42	21.48	-	-	-	-	-	-	511.59	1.35	-	-							
1.83	292.24	1.66	264.81	-35.04	18.73	-	-	-	-	-	540.74	3.38	-	-							
3.25	76.33	2.07	48.66	-1.14	-	-	-	-	-	-	123.84	5.27	-	-							
2.14	42.11	4.57	89.82	0.20	20.07	-	-	-	-	-	152.20	7.74	-	-							
2.12	10,412.91	54,427.59	11,561.86	0.14	784.01	741.78	-	-	-	-	23,500.57	4.79	-	-							
1.65	17,953.14	2.25	24,390.46	-	571.05	1,434.37	-	-	-	-	44,349.02	4.09	-	-							

Form No: F13B
 Name of Distribution Licensee
 Power Purchase & Monthly Appropriation of Power Purchase

S. No	Source of Power (Station wise)	Utility share (MW)	Must Run/ Merit	Plant Type*	Energy Sent Out (Ex-bus) by Generator (after deducting auxiliary consumption) (MU)	Total Inter state Transmission Losses (%)	Total Intra state Transmission Losses (%)	Energy Units received by utility at its periphery (MU)	April										May											
									Units (MU)		Fixed Charges		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)		Fixed Charges		Energy/Variable Charges		Other Cost		Late payment Surcharge	Total Cost	
									(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)
1	SALAL	48.00	Must Run	1.00				21.64	0.79	1.72	0.62	1.33	0.00	0.00	1.41	3.05	31.37	0.57	1.79	0.62	1.93	0.00	0.00	1.39	3.72					
2	TANAKPUR	21.00	Must Run	1.00				5.59	2.71	1.52	1.65	0.92	0.00	0.00	4.35	2.44	8.67	2.40	2.08	1.65	1.43	0.00	0.00	4.05	3.51					
3	CHAMERA-I	109.00	Must Run	1.00				48.95	0.75	3.61	1.14	5.70	0.00	0.00	1.87	9.32	64.04	0.58	3.73	1.14	7.31	0.00	0.00	1.72	11.05					
4	URI	95.00	Must Run	1.00				67.71	0.70	4.77	0.82	5.57	0.00	0.00	1.53	10.34	70.92	0.70	4.93	0.82	5.83	0.00	0.00	1.52	10.77					
5	CHAMERA-II	62.00	Must Run	1.00				16.13	0.65	1.05	1.00	1.62	0.00	0.00	1.66	2.68	16.77	0.65	1.09	1.01	1.69	0.00	0.00	1.66	2.78					
6	DHALUGANGA	56.00	Must Run	1.00				13.42	2.47	1.32	1.21	1.63	0.00	0.00	3.69	4.95	27.69	1.24	3.43	1.22	3.36	0.00	0.00	2.45	6.80					
7	DULHASTI	85.00	Must Run	1.00				37.40	3.15	31.80	2.75	10.28	0.00	0.00	5.90	22.69	67.73	1.80	12.19	2.75	18.62	0.00	0.00	4.55	30.82					
8	SEWA-II	27.00	Must Run	1.00				21.05	1.65	3.47	2.65	5.58	0.00	0.00	4.30	9.04	21.73	1.65	3.58	2.65	5.75	0.00	0.00	4.30	9.34					
9	CHAMERA-III	47.00	Must Run	1.00				17.85	2.65	4.73	1.97	3.52	0.00	0.00	4.62	8.25	31.35	1.56	4.89	1.97	6.18	0.00	0.00	3.53	11.06					
10	URH-II	51.00	Must Run	1.00				36.05	1.72	6.19	2.13	7.69	0.00	0.00	3.85	13.88	37.28	1.72	6.42	2.13	7.95	0.00	0.00	3.85	14.37					
11	PARBATH-III	105.00	Must Run	1.00				6.05	8.95	5.42	1.54	0.93	0.01	0.01	10.49	6.35	13.94	4.93	5.60	1.54	3.75	0.00	0.01	6.48	7.55					
12	KISHANGANGA	137.60	Must Run	1.00				3.74	1.61	0.60	1.97	0.74	0.02	0.01	3.59	1.35	59.49	1.32	7.88	1.97	11.71	0.00	0.01	3.29	19.60					
13	PARBATH-II	155.00	Must Run	1.00																										
14	SUBANSIIRI LOWER	182.00	Must Run	1.00																										
15	PAKALDUL	200.00	Must Run	1.00																										

34 35 36 37 38 39 June										40 41 42 43 44 45 46 47 48 49 50 51 52 53 July										54 55 56 57 58 August										59 60 61 62 63			
Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost					
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)
	34.23	0.51	1.76	0.62	2.11	0.00		0.00	-		1.13	3.87	35.47	0.52	1.84	0.62		2.19	0.00		0.00	0.00	1.14	4.03	33.48	0.55		1.84	0.62	2.06	0.00	0.00	0.00
9.66	2.11	2.04	1.65	1.59	0.00	0.00	-	3.76	3.63	10.37	2.09	2.17	1.65	1.71	0.00	0.00	0.00	3.74	3.88	9.52	2.28	2.17	1.65	1.57	0.00	0.00	0.00	3.93	3.74				
70.79	0.51	3.61	1.14	8.08	0.00	0.00	-	1.65	11.69	73.99	0.46	3.38	1.14	8.44	0.00	0.00	0.00	1.60	11.83	76.67	0.48	3.70	1.14	8.75	0.00	0.00	0.00	1.61	12.35				
69.40	0.60	4.78	0.82	5.70	0.00	0.00	-	1.51	10.49	69.81	0.71	4.95	0.82	5.74	0.00	0.00	0.00	1.53	10.69	69.35	0.75	3.72	0.82	4.06	0.00	0.00	0.00	1.58	7.78				
16.96	0.65	1.10	1.00	1.70	0.00	0.00	-	1.66	2.81	16.96	0.81	1.38	1.23	2.08	0.00	0.00	0.00	2.04	3.46	20.73	0.66	1.38	1.01	2.08	0.00	0.00	0.00	1.67	3.47				
39.01	0.88	3.45	1.71	4.74	0.00	0.00	-	2.10	8.19	55.80	0.76	4.22	1.72	6.78	0.00	0.00	0.00	1.97	11.01	53.52	0.75	4.00	1.71	6.51	0.00	0.00	0.00	1.96	10.52				
65.58	1.82	11.95	2.75	18.03	0.00	0.00	-	4.57	29.89	80.41	1.82	14.63	2.75	22.10	0.00	0.00	0.00	4.57	36.74	80.18	1.85	14.81	2.75	22.04	0.00	0.00	0.00	4.60	36.85				
17.55	2.04	3.50	2.65	4.65	0.00	0.00	-	4.69	8.23	12.30	3.52	4.31	2.65	3.26	0.00	0.00	0.00	6.17	7.99	14.40	3.00	4.32	2.65	3.81	0.00	0.00	0.00	5.65	8.14				
37.26	1.32	4.91	1.97	7.34	0.00	0.00	-	3.29	12.25	44.93	1.29	5.82	1.97	8.85	0.00	0.00	0.00	3.27	14.67	42.10	1.31	5.93	1.97	8.29	0.00	0.00	0.00	3.28	13.82				
36.10	1.82	6.56	2.13	7.70	0.00	0.00	-	3.95	14.26	49.78	1.72	8.55	2.13	10.61	0.00	0.00	0.00	3.85	15.17	41.83	2.04	8.92	2.13	8.92	0.00	0.00	0.00	4.17	17.44				
22.15	2.54	5.62	1.54	3.41	0.00	0.00	-	4.08	9.04	34.86	1.98	6.89	1.54	5.37	0.00	0.01	0.01	3.92	12.36	37.82	1.82	6.88	1.54	5.82	0.00	0.01	0.01	3.96	12.71				
60.60	1.33	8.06	1.97	11.93	0.00	0.00	-	3.30	20.00	79.70	1.31	10.48	1.97	15.69	0.00	0.01	0.01	3.28	26.18	79.46	1.32	10.48	1.97	15.65	0.00	0.01	0.01	3.29	26.13				

		September										October										
Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge	
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)
	31.77	0.56	1.78	0.62	1.96	11.16	35.45	12.33	39.19		14.30	14.30	1.17	1.68	0.62	0.88	0.00	0.00	1.79		2.56	6.49
12.57	1.67	2.10	1.65	2.07	0.00	0.00	3.32	4.18	10.42	1.98	2.07	1.65	1.72	0.00	0.00	3.63	3.78	5.75	2.38	1.37		
44.24	0.81	3.38	1.14	5.05	-0.00	-0.00	1.95	8.61	19.31	1.90	3.07	1.14	2.20	0.01	0.02	3.05	5.90	11.31	3.17	3.58		
54.00	0.79	4.38	0.82	4.44	0.00	0.00	1.62	8.72	19.65	2.34	4.30	0.82	1.62	0.00	0.00	3.06	6.01	19.31	1.86	3.55		
20.03	0.67	1.33	1.00	2.01	0.00	0.00	1.67	3.35	15.24	1.14	1.74	1.00	1.53	0.00	0.00	2.15	3.28	9.95	2.88	2.86		
43.98	0.93	4.11	1.22	5.34	0.00	0.00	2.15	9.49	20.85	1.86	3.88	1.22	2.53	0.00	0.00	3.08	6.42	8.31	4.01	3.33		
79.66	1.80	14.37	2.75	21.98	0.00	0.00	4.55	36.36	66.64	2.07	13.78	2.75	18.32	0.00	0.00	4.82	32.10	36.03	4.58	11.93		
9.03	3.71	3.35	2.65	2.39	0.00	0.00	6.36	5.74	-	-	-	-	-	0.00	0.00	-	0.00	-	-	-		
31.85	1.83	5.82	1.97	6.27	0.00	0.00	3.80	12.10	12.68	4.34	5.50	1.97	2.50	0.00	0.00	6.31	8.00	5.81	8.14	4.73		
41.87	1.96	8.21	2.13	8.93	0.00	0.00	4.09	17.14	16.43	3.92	6.44	2.13	3.50	0.00	0.00	6.05	9.95	12.28	3.85	4.78		
18.51	3.42	6.67	1.54	3.00	0.00	0.00	4.96	9.47	7.82	8.06	6.30	1.54	1.20	0.01	0.01	9.61	7.51	3.78	11.62	4.99		
66.10	1.56	10.32	1.97	13.01	0.00	0.01	3.53	23.34	30.75	3.78	11.64	1.97	6.05	0.00	0.01	5.76	17.70	20.61	5.06	10.44		

		September										October																													
Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge																				
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)																		
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-	-	-	-	-	-	-	609.28	-	609.28	-	-	-	-	-	-	388.51	-	388.51	-	-	-	-																			
-	-	-	-	-	-	-	-0.87	-	-0.87	-	-	-	-	-	-	-3.62	-	-3.62	-	-	-	-																			
-	-	-	-	-	-	-	-1.07	-	-1.07	-	-	-	-	-	-	-0.70	-	-0.70	-	-	-	-																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
13,134.85	1.28	1,685.21	2.50	3,283.89	662.12	-	4.29	5,631.22	10,490.41	1.55	1,628.09	2.31	2,426.34	466.69	-	4.91	4,521.11	7,427.25	2.10	3,556.43	13,134.85	1.28	1,685.21	2.50	3,283.89	662.12	-	4.29	5,631.22	10,490.41	1.55	1,628.09	2.31	2,426.34	466.69	-	4.91	4,521.11	7,427.25	2.10	3,556.43

87		88		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104		105		106		107		108		109		110		111		112	
November											December											January																													
Energy/ Variable Charges		Other cost				Late payment Surcharge		Total cost		Units (MU)		Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge		Total cost		Units (MU)		Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge		Total cost																			
(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)			(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)			(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)			(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)			
0.62	0.40	0.00	0.00		2.88	1.87	6.06	0.62	0.37	2.50	1.52	-0.03	-0.02	3.09	1.87	9.76	1.51	1.47	0.62	0.60	0.00	0.00																													
1.65	0.95	0.00	0.00		4.03	2.32	4.66	1.65	0.77	2.21	1.03	0.00	0.00	3.86	1.80	4.22	3.03	1.28	1.21	0.51	0.00	0.00																													
1.14	1.29	0.00	0.00		4.31	4.87	10.85	1.14	1.19	3.13	3.27	0.00	0.00	4.27	4.46	18.32	1.61	2.94	1.14	2.09	-0.00	-0.00																													
0.82	1.97	0.00	0.00		2.68	5.13	27.61	0.82	2.27	1.41	3.90	0.00	0.00	3.24	6.18	47.81	0.90	4.92	0.82	3.93	-0.02	-0.09																													
1.00	1.00	0.00	0.00		3.88	3.86	8.30	1.00	0.83	3.93	3.27	0.00	0.00	4.94	4.10	9.29	1.17	1.09	1.01	0.93	0.00	0.00																													
1.22	1.01	0.00	0.00		5.23	4.34	6.44	1.21	0.78	5.34	3.44	0.00	0.00	6.56	4.23	6.99	3.88	2.71	1.20	0.84	0.00	0.00																													
2.54	6.61	0.00	0.00		7.11	18.54	22.10	1.20	2.65	4.02	8.88	0.00	0.00	5.22	11.54	22.60	3.00	6.78	2.25	6.21	0.00	0.00																													
					0.00	0.00	0.00									0.00	12.96	1.96	2.55	2.17	2.81	0.00	0.00																												
1.97	1.14	0.00	0.00		10.12	5.87	3.57	1.97	0.70	9.31	3.32	0.01	0.00	11.29	4.02	5.39	7.74	4.17	1.97	1.06	0.00	0.00																													
2.13	2.84	0.00	0.00		5.99	7.62	16.83	1.26	2.13	3.48	5.86	-0.05	-0.08	4.69	7.90	26.63	2.31	6.15	3.20	3.20	-0.00	-0.01																													
1.54	0.58	0.01	0.01		13.17	4.98	3.01	1.54	0.46	13.63	3.50	0.01	0.01	13.18	3.86	3.07	13.35	3.48	1.54	0.47	0.02	0.01																													
1.97	4.06	0.00	0.01		7.04	14.50	19.58	1.97	3.85	5.60	10.96	0.00	0.01	7.57	14.82	6.71	7.89	5.29	1.87	1.32	0.01	0.01																													

I cost	February											March											Total																			
	Units (MU)		Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge		Total cost		Units (MU)		Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge		Total cost		Units (MU)		Units (Approved) (MU)		Annual Fixed Charges		Annual Energy/ Variable charge		Annual Other Cost		Late payment Surcharge		Total cost		Avg. Cost of Energy at Generator Bus		Avg. Cost of Energy at Interface point of Utility	
	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)				
2.07	8.78	1.57	1.38	0.62	0.54	0.00	0.00	2.18	1.92	16.49	1.07	1.76	0.62	1.02	0.00	0.00	1.69	2.78	249.86	0.75	18.85	0.66	16.53																			
1.79	2.78	4.80	1.33	1.20	0.33	0.00	0.00	6.00	1.67	4.31	3.36	1.45	1.09	0.47	0.00	0.00	4.45	1.92	88.52	2.30	20.35	1.61	14.30																			
5.03	18.66	1.45	2.70	1.14	2.13	-0.00	-0.00	2.59	4.83	35.14	1.06	3.72	1.14	4.01	-0.00	-0.01	2.20	7.73	492.88	0.80	39.44	1.18	58.32																			
8.13	50.46	0.77	3.97	0.82	4.15	-0.00	-0.00	1.59	8.01	70.45	0.69	4.88	0.81	5.79	-0.00	-0.01	1.51	10.87	616.26	0.82	50.70	0.85	52.29																			
2.02	8.48	1.20	1.02	1.01	0.85	0.00	0.00	2.21	1.87	14.21	0.16	0.23	1.01	1.43	0.00	0.00	1.17	1.66	173.04	0.87	15.10	1.17	20.20																			
3.55	6.48	3.78	2.45	1.20	0.78	0.00	0.00	4.99	3.23	7.97	3.98	1.17	1.19	0.95	0.00	0.00	5.17	4.12	290.51	1.34	38.86	1.31	37.91																			
13.00	19.33	5.62	10.86	1.85	3.58	0.00	0.00	7.48	14.45	23.28	5.27	12.28	0.85	1.98	0.00	0.00	6.17	14.26	921.22	2.33	338.03	2.68	158.64																			
5.36	13.31	2.35	3.13	2.16	2.88	-0.01	-0.02	4.50	5.99	20.75	4.94	10.25	4.20	8.71	-0.00	-0.00	9.13	18.95	143.08	2.70	38.56	2.78	39.84																			
5.24	2.59	7.44	1.93	1.97	0.51	0.01	0.00	9.41	2.44	9.79	0.35	0.34	-2.04	-2.00	0.00	0.00	-1.70	-1.66	245.17	2.00	49.06	1.92	46.99																			
9.38	28.05	1.94	5.44	1.20	3.37	-0.00	-0.01	3.14	8.89	36.09	-0.48	-1.25	-1.46	-5.28	-0.00	-0.01	-1.95	-7.69	379.33	1.78	67.64	1.72	65.07																			
3.97	2.83	10.86	3.07	1.54	0.44	0.02	0.01	12.41	3.51	3.51	33.85	11.87	1.54	0.54	0.01	0.00	36.41	12.42	155.75	4.28	66.66	1.23	27.00																			
6.62	6.04	6.58	3.98	1.87	1.19	0.01	0.01	8.56	5.18	12.36	0.90	1.11	1.97	2.43	0.00	0.01	2.87	3.55	445.16	1.89	84.14	2.13	94.76																			

	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146				
	February											March											Total															
Cost	Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total cost		Units (MU)	Units (Approved) (MU)	Annual Fixed Charges		Annual Energy/ Variable charge		Annual Other Cost		Late payment Surcharge	Total cost		Avg. Cost of Energy at Generator Bus	Avg. Cost of Energy at interconnection point of Utility					
		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
	478.26						410.61		410.61									496.20		496.20															5,122.21	5,122.21	-	
	5,069.05	7,782.14	1.88	1,460.98	2.36	1,838.55		473.09		4.85	3,772.62	7,831.90	2.06	1,615.48	2.30	1,709.31		1,637.48		6.45	5,052.28	113,482.07													54,003.84			
	5,111.52	7,663.29		1,460.98		1,814.44		473.18			3,748.60	7,416.96		1,615.48		1,772.16		1,637.48			5,025.12	113,482.07																
	-42.46	118.85				24.11		-0.09			24.02	415.54				27.16		-0.00			27.16																	
	-42.46										24.02										27.16																54,234.24	

Form No: F13B
Name of Distribution Licensee
Power Purchase & Monthly Appropriation of Power Purchase

S.No	Source of Power (Station wise)	Installed Capacity (MW)	Utility share (%)	PLF (%)	Utility share (MW)	Must Run/ Merit	Plant Type*	Energy Sent Out (Ex-bus) by Generator (after deducting auxiliary consumption) (MU)	Total Inter state Transmission Losses (%)	Total Intra state Transmission Losses (%)	Energy Units received by utility at its periphery (MU)	April											
												Units (MU)		Fixed Charges		Energy/ Variable Charges		Other Cost		Late payment Surcharge		Total Cost	
												(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)
5	RAPP-5 & 6	440	20%	109.55%	86.00	Must Run	1	827.27	3.77%	3.33%	769.61	69.44	-	-	3.93	27.29	-	-	-	-	3.93	27.29	
	Sub-Total	2,840.00		97.86%	290.00			2,486.07			2,353.94	207.20	-	-		70.87						70.87	
f Hydro (NHPC)																							
1	SALAL	690	7%	55.69%	48.00	Must Run	1	232.40	3.77%	3.33%	216.20	23.27	0.86	1.99	0.68	1.59	-	-	-	-	1.54	3.58	
2	TANAKPUR	94.2	22%	41.50%	21.00	Must Run	1	75.97	3.77%	3.33%	70.67	4.20	5.28	2.22	1.72	0.72	-	-	-	-	7.00	2.94	
3	CHAMERA-I	540	20%	51.36%	109.00	Must Run	1	485.86	3.77%	3.33%	451.99	52.68	0.87	4.58	1.21	6.40	-	-	-	-	2.08	10.98	
4	URI	480	20%	69.42%	96.00	Must Run	1	576.84	3.77%	3.33%	536.64	66.36	0.88	5.85	0.88	5.81	-	-	-	-	1.76	11.66	
5	CHAMERA-II	300	21%	70.66%	62.00	Must Run	1	380.54	3.77%	3.33%	354.02	40.21	1.12	4.52	1.23	4.94	-	-	-	-	2.35	9.45	
6	DHULIANGANGA	280	20%	56.45%	56.00	Must Run	1	274.77	3.77%	3.33%	251.62	16.30	2.31	3.76	1.34	2.18	-	-	-	-	3.65	5.95	
7	DUIHASTI	390	22%	80.71%	85.00	Must Run	1	595.40	3.77%	3.33%	553.90	56.22	2.67	15.03	2.85	16.01	-	-	-	-	5.52	31.04	
8	SEWA-II	120	23%	62.19%	27.00	Must Run	1	145.23	3.77%	3.33%	135.10	20.59	2.02	4.16	2.70	5.56	-	-	-	-	4.72	9.72	
9	CHAMERA-III	231	20%	61.16%	47.00	Must Run	1	249.94	3.77%	3.33%	232.52	24.95	2.73	6.80	2.13	5.31	-	-	-	-	4.85	12.11	
10	URI-II	240	21%	80.10%	51.00	Must Run	1	353.70	3.77%	3.33%	329.05	41.05	2.75	11.28	2.25	9.26	-	-	-	-	5.00	20.53	
11	PARBATI-III	520	20%	17.54%	105.00	Must Run	1	149.46	3.77%	3.33%	149.46	-	-	10.10	1.78	-	-	-	-	-	-	10.10	
12	KISHANGANGA	330	42%	32.08%	137.60	Must Run	1	382.85	3.77%	3.33%	356.16	57.35	3.47	19.89	2.18	12.51	-	-	-	-	5.65	32.40	
13	PARBATI-II	800	19%	56.57%	155.00	Must Run	1	126.19	3.77%	3.33%	117.39	-	-	4.89	2.58	-	-	-	-	-	-	4.89	
14	SUBANSIRI LOWER	2000	9%	56.57%	182.00	Must Run	1	893.23	3.77%	3.33%	830.97	90.61	-	2.58	23.33	-	-	-	-	-	2.58	23.33	
15	PAKALDUL	1000	20%	56.57%	200.00	Must Run	1	932.55	3.77%	3.33%	915.00	99.77	-	2.58	25.69	-	-	-	-	-	2.58	25.69	
	Sub-Total	8,015.20		48.89%	1,381.60			5,917.11			5,504.71	593.54	-	95.06		119.31						214.36	
g HYDRO (NTPC)																							
1	KOLDAM HPS	800	19%	50.43%	151.20	Must Run	1	664.44	3.77%	3.33%	618.13	33.99	5.58	18.96	2.50	8.50	-	-	-	-	8.08	27.46	
2	TAPOVAN VISHNUGARH	520	19%	56.57%	100.00	Must Run	1	-	3.77%	3.33%	-	-	-	-	2.55	-	-	-	-	-	-	-	
3	LATA TAPOVAN HEP	171	20%	0.00%	34.00	Must Run	1	-	3.77%	3.33%	-	-	-	-	2.58	-	-	-	-	-	-	-	
4	SINGRAJLI SHPS	8	43%	20.48%	3.40	Must Run	1	6.07	3.77%	3.33%	5.65	0.60	-	-	5.14	0.31	-	-	-	-	5.14	0.31	
	Sub-Total	1,499.00		26.52%	288.60			670.51			623.78	34.59	-	18.96		8.81						27.77	
h THDC																							
HYDRO																							
1	TEHRI	1000	37%	38.43%	374.00	Must Run	1	1,246.41	3.77%	3.33%	1,159.54	72.22	4.95	35.74	2.10	15.17	-	-	-	-	7.05	50.90	
2	KOTESHWAR	400	39%	37.98%	155.00	Must Run	1	511.39	3.77%	3.33%	475.75	34.86	3.26	11.35	2.33	8.10	-	-	-	-	5.58	19.46	
3	Dhukwan SHP-THDC	24	100%	56.57%	24.00	Must Run	2	119.22	3.77%	3.33%	110.91	12.09	-	-	6.97	6.01	-	-	-	-	6.97	6.01	
4	VISHNUGARH PIPAL KOTHI	444	37%		166.00	Must Run	1	-	3.77%	3.33%	-	-	-	-	2.58	-	-	-	-	-	-	-	
Thermal																							
1	KHURJA STPP	1320	30%	85.00%	396.00	Merit	2	-	-	3.33%	-	-	-	-	3.20	-	-	-	-	-	-	-	
	Sub-Total	3,188.00		19.22%	1,115.00			1,877.02			1,746.20	119.17	-	47.09		29.28						76.37	
i SJVN																							
1	RAMPUR	412	14%	66.33%	56.68	Must Run	1	327.22	3.77%	3.33%	304.41	20.58	3.33	6.86	1.63	3.35	-	-	-	-	4.96	10.21	
2	NATHPA JHAKRI	1500	15%	66.12%	221.00	Must Run	1	1,144.29	3.77%	3.33%	1,064.53	-	-	17.79	0.81	-	-	-	-	-	-	17.79	
	Sub-Total	1,912.00		60.49%	277.68			1,471.50			1,368.95	20.58	-	24.65		3.35						28.00	

Form No: F13B
 Name of Distribution Licensee
Power Purchase & Monthly Appropriation of Power Purchase

S.No	Source of Power (Station wise)	Installed Capacity (MW)	Utility share (%)	PLF (%)	Utility share (MW)	Must Run/ Merit	Plant Type*	Energy Sent Out (Ex-bus) by Generator (after deducting auxiliary consumption) (MU)	Total Inter state Transmission Losses (%)	Total Intra state Transmission Losses (%)	Energy Units received by utility at its periphery (MU)	April													
												Units (MU)	Fixed Charges		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost					
													(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)				
J	NEEPCO																								
1	Kameng HEP	600	9%	49.10%	55.00	Must Run	1	270.48	3.77%	3.33%	251.63	27.44	-	-	4.08	11.20						4.08	11.20		
K	IPP/IV																								
	HYDRO																								
1	TALA	1020	0%	0.00%	-	Must Run	1	-	3.77%	3.33%	-	-	-	-	2.20	-									
2	VISHNU PRAYAG	400	88%	55.97%	352.00	Must Run	2	1,724.05	3.77%	3.33%	1,603.89	81.90	0.30	2.47	1.09	8.90					1.39	11.38			
3	KARCHAM	1000	20%	46.97%	200.00	Must Run	1	816.18	3.77%	3.33%	759.29	45.56	3.41	15.52	1.36	6.22					4.77	21.73			
4	TEESTA-III	1200	17%	48.70%	200.00	Must Run	1	786.46	3.77%	3.33%	731.65	-	-	18.92	2.29	-					-	18.92			
5	SRI NAGAR HEP	330	88%	47.02%	290.40	Must Run	1	1,189.65	3.77%	3.33%	1,106.74	58.77	6.02	35.37	2.53	14.88					8.55	50.25			
6	Rajghat Hydro	45	40%	49.66%	18.00	Must Run	1	77.84	3.77%	3.33%	72.41	4.32	3.94	1.70	2.58	1.11					6.52	2.81			
7	Hydro (Competitive Bidding)	-		0.00%	400.00	Must Run	2	1,297.05		3.33%	1,253.86	-	-	-	3.28	-					-	-			
	Thermal																								
1	Majh Thermal Power Plant	1320	79%	85.00%	1,043.00	Merit	2	7,312.60	3.77%	3.33%	6,802.94	601.04	1.73	103.76	2.60	156.28					4.33	260.04			
2	LANCO	1200	92%	79.49%	1,100.00	Merit	2	7,087.69		3.33%	6,851.67	601.67	1.18	71.13	2.01	120.77					3.19	191.90			
4	BEPL BARKHERA	90	100%	34.83%	90.00	Merit	2	66.80		3.33%	64.57	-	-	12.06	3.51	-					-	12.06			
5	BEPL KHAMBAKHERA	90	100%	34.67%	90.00	Merit	2	66.94		3.33%	66.65	-	-	12.18	3.50	-					-	12.18			
6	BEPL KUNDRAKHI	90	100%	41.32%	90.00	Merit	2	100.22		3.33%	96.88	-	-	12.13	3.20	-					-	12.13			
7	BEPL MACSOODAPUR	90	100%	35.05%	90.00	Merit	2	66.76		3.33%	64.53	-	-	12.10	3.38	-					-	12.10			
8	BEPL UTRAULA	90	100%	38.56%	90.00	Merit	2	70.12		3.33%	67.79	-	-	12.47	3.40	-					-	12.47			

Form No: F13B
 Name of Distribution Licensee
 Power Purchase & Monthly Appropriation of Power Purchase

S.No	Source of Power (Station wise)	Installed Capacity (MW)	Utility share (%)	PLF (%)	Utility share (MW)	Must Run/ Merit	Plant Type*	Energy Sent Out (Ex-bus) by Generator (after deducting auxiliary consumption) (MU)	Total Inter state Transmission Losses (%)	Total Intra state Transmission Losses (%)	Energy Units received by utility at its periphery (MU)	April						Late payment Surcharge	Total Cost		
												Units (MU)	Fixed Charges		Energy/ Variable Charges		Other Cost		(Rs./KWh)	(Rs. Cr.)	
													(Rs./KWh)	(Rs. Cr.)	(Rs./KWh)	(Rs. Cr.)	(Rs./KWh)				(Rs. Cr.)
9	KSK MAHANADI	3600	28%	39.53%	1,000.00	Merit	1	1,583.99	3.77%	3.33%	1,473.59	-	-	87.31	3.01	-	-	-	87.31		
10	LALITPUR	1980	100%	33.69%	1,980.00	Merit	2	4,611.06		3.33%	4,457.52	506.05	6.71	339.46	3.05	154.15	-	-	9.75	493.61	
11	M.B.POWER	1200	30%	76.92%	361.00	Merit	1	2,431.10		3.33%	2,350.15	180.51	4.15	74.93	1.99	35.95	-	-	6.14	110.88	
12	PRAYAGRAJ POWER	1980	90%	39.25%	1,782.00	Merit	2	5,238.44		3.33%	5,064.00	427.30	2.28	97.38	2.84	121.33	-	-	5.12	238.71	
13	R.K.M.POWER	1540	23%	51.75%	390.00	Merit	1	1,988.57		3.33%	1,935.67	174.53	2.63	45.83	1.92	33.57	-	-	4.55	79.40	
14	ROSA-1&2	1200	100%	64.83%	1,200.00	Merit	2	6,235.65		3.33%	6,028.01	606.78	2.28	138.24	2.56	155.28	-	-	4.84	293.52	
15	SASAN	4000	12%	88.99%	495.00	Merit	1	3,624.68	3.77%	3.33%	3,372.05	299.63	0.20	6.04	1.06	31.89	-	-	1.27	37.94	
16	TRN ENERGY	600	65%	65.20%	390.00	Merit	1	2,229.56		3.33%	2,155.32	238.50	1.82	43.43	1.57	37.45	-	-	3.39	80.87	
17	Ghatampur	1980	85%	7.08%	1,683.00	Merit	2	-		3.33%	-	-	-	3.20	-	-	-	-	-	-	
	Sub-Total	25,045.00		41.40%	13,293.40			48,207.42		3.33%	45,979.17	3,826.55		1,142.43		877.78				2,020.21	
	Total	87,749.09			31,146.13			102,568.97			97,536.60	7,919.03		2,166.87		1,706.76				3,873.63	
B	Medium term Sources																				
C	Short term Sources																				
	Station/Source 1																				
D	Cogen/ Captive																				
	Baggasse/Cogen/ CPP 1	1478.07	100%	50.00%	1,478.07	-	2	6,473.95		3.33%	6,258.36	532.11	-	-	3.22	171.12	-	-	3.22	171.12	
	Baggasse/Cogen/ CPP 2	18.94	100%	50.00%	18.94	-	2	27.50		3.33%	26.59	-	-	3.22	-	-	-	-	-	-	
	Sub-Total	1,497.01		49.58%	1,497.01			6,501.45			6,284.95	532.11		-	3.22	171.12				171.12	
E	Bilateral & Others (Power purchased through Trading)																				
1	Solar (Existing)	1837	100%	18.92%	1,837.00	-	1	3,043.84		3.33%	2,942.48	251.30	-	-	4.69	117.97	-	-	4.69	117.97	
2	Solar (FY 20)	0	100%	19.00%	-	Must Run	1	-		3.33%	-	-	-	3.00	-	-	-	-	-	-	
3	Solar (FY 21)	1050	100%	19.00%	1,050.00	Must Run	1	1,747.62		3.33%	1,689.42	143.64	-	-	3.00	43.09	-	-	3.00	43.09	
4	Solar (FY 22)	-	100%	-	-	Must Run	1	522.28		3.33%	522.28	27.15	-	-	3.00	8.15	-	-	3.00	8.15	
	Sub-Total	2,887.00		21.01%	2,887.00			5,313.73			5,154.18	422.10		-	169.21					169.21	
G	Non-Solar (Renewable)																				
1	WIND (Existing)	200	100%	25.00%	200.00	Must Run	1	438.00		3.33%	423.41	36.00	-	-	3.43	12.35	-	-	3.43	12.35	
2	WIND (FY 20)	440	100%	25.00%	440.00	Must Run	1	963.60		3.33%	931.51	79.20	-	-	3.43	27.17	-	-	3.43	27.17	
3	WIND (FY 21)	1510	100%	25.00%	1,510.00	Must Run	1	3,306.90		3.33%	3,196.78	271.80	-	-	3.43	93.24	-	-	3.43	93.24	
4	WIND (FY 22)	0	100%	25.00%	-	Must Run	1	416.10		3.33%	402.24	34.20	-	-	3.43	11.73	-	-	3.43	11.73	
5	Biomass Existing	33.5	100%	50.00%	33.50	Must Run	2	146.73		3.33%	141.84	12.06	-	-	6.51	7.85	-	-	6.51	7.85	
6	Biomass FY 20	0	100%	50.00%	-	Must Run	2	-		3.33%	-	-	-	6.51	-	-	-	-	6.51	-	
7	MSW FY 21	59	100%	75.00%	59.00	Must Run	2	387.63		3.33%	374.72	31.86	-	-	7.61	24.25	-	-	7.61	24.25	
	Sub-Total	2,242.50		28.81%	2,242.50			5,658.96			5,470.52	465.12		-	176.59					176.59	
H	WVNL Coal																				
I	Short Term Sources																				
J	REC																				
K	Banking																				
L	PGCIL Charges																			275.94	
M	WUPPTCL Charges																			72.97	
N	SEUPPTCL Charges																			23.13	
O	Reactive Energy Charges																			-	
P	Case-1 Transmission Charges																			192.06	
Q	STU Charges																			-	
	Any Other Charges																			-	
	Less																			-	
	Late Payment Surcharge																			-	
	Grand Total	94,375.60			37,772.64			120,043.11			114,446.24	9,338.35		2,730.97		2,233.67				4,954.64	
	*Plant Type		Interstate		1																
			Intrastate		2			120,043.11													

Note: 1. Quantum and Power Purchase Cost to be filled with the month wise bills.
 2. Monthly Bills have to be duly submitted to the Commission.
 3. Power Purchase details to be submitted should be linked in excel sheet.
 4. Information to be provided for Past Year, True-Up Year, APR Year and each year of the Control Period.
 5. Sub-total of State thermal, State Hydro, NTPC Plants, NHPCL Plants, NPCL Plants, SJVN Plants, THDC, IPPs, State Co-Gen, Solar and Other sources should be provided.

May										June										July										
Units (MU)	Fixed Charges		Energy/Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
80.10	-	-	3.93	31.48				3.93	31.48	83.84	-	-	3.93	32.96				3.93	32.96	84.14	-	-	3.93	33.07				3.93	33.07	
215.50				74.33					74.33	220.09				76.09				3.46	76.09	229.87			16.16	79.03				10.35	79.03	
29.35	0.68	1.99	0.68	2.00				1.36	4.00	32.33	0.62	1.99	0.68	2.21				1.30	4.20	32.89	0.61	1.99	0.68	2.25				1.29	4.24	
5.96	3.72	2.22	1.72	1.02				5.44	3.24	7.84	2.83	2.22	1.72	1.34				4.54	3.56	10.73	2.07	2.22	1.72	1.84				3.78	4.06	
58.98	0.78	4.58	1.21	7.16				1.99	11.74	65.59	0.70	4.58	1.21	7.96				1.91	12.54	77.17	0.59	4.58	1.21	9.37				1.81	13.95	
70.92	0.83	5.85	0.88	6.21				1.70	12.06	66.70	0.88	5.85	0.88	5.84				1.75	11.69	65.96	0.89	5.85	0.88	5.78				1.76	11.63	
56.58	0.80	4.52	1.23	6.95				2.03	11.46	56.66	0.80	4.52	1.23	6.96				2.02	11.47	59.02	0.77	4.52	1.23	7.25				1.99	11.76	
28.21	1.33	3.76	1.34	3.78				2.67	7.54	39.33	0.96	3.76	1.34	5.27				2.30	9.03	47.68	0.79	3.76	1.34	6.39				2.13	10.15	
74.62	2.01	15.03	2.85	21.25				4.86	36.28	68.98	2.18	15.03	2.85	19.65				5.03	34.68	68.92	2.18	15.03	2.85	19.63				5.03	34.66	
18.03	2.30	4.16	2.70	4.87				5.01	9.03	12.72	3.27	4.16	2.70	3.44				5.97	7.59	17.01	2.44	4.16	2.70	4.59				5.14	8.75	
37.30	1.82	6.80	2.13	7.93				3.95	14.74	34.26	1.99	6.80	2.13	7.29				4.11	14.09	42.47	1.60	6.80	2.13	9.03				3.73	15.83	
36.55	3.08	11.28	2.25	8.24				5.34	19.52	37.49	3.01	11.28	2.25	8.45				5.26	19.73	41.49	2.72	11.28	2.25	9.35				4.97	20.63	
15.70	6.43	10.10	1.78	2.80				8.21	12.89	22.28	4.53	10.10	1.78	3.97				6.31	14.07	36.95	2.73	10.10	1.78	6.58				4.51	16.68	
49.23	4.04	19.89	2.18	10.74				6.22	30.63	56.56	3.52	19.89	2.18	12.33				5.70	32.23	62.78	3.17	19.89	2.18	13.69				5.35	33.58	
108.50	-	-	2.58	27.94				4.89	-	111.15	-	-	2.58	28.62				4.89	-	126.78	-	-	2.58	32.65				2.58	32.65	
119.47	-	-	2.58	30.77				2.58	30.77	122.39	-	-	2.58	31.52				2.58	31.52	139.60	-	-	2.58	35.95				2.58	35.95	
709.40		95.06		141.66					236.72	734.29		95.06		144.85				3.27	239.91	829.45	20.55	95.06	28.67	164.35				46.65	259.41	
64.31	2.95	18.96	2.50	16.08				5.45	35.04	99.90	1.90	18.96	2.50	24.98				4.40	43.95	119.46	1.59	18.96	2.50	29.88				4.09	48.84	
-	-	-	2.55	-				-	-	-	-	-	2.55	-				-	-	-	-	-	2.55	-	-				-	-
-	-	-	2.58	-				-	-	-	-	-	2.58	-				-	-	-	-	-	2.58	-	-				-	-
1.07	-	-	5.14	0.55				5.14	0.55	0.94	-	-	5.14	0.48				5.14	0.48	0.92	-	-	5.14	0.47				5.14	0.47	
65.38		18.96		16.64					35.60	100.84		18.96		25.47				4.41	44.43	120.38	1.59	18.96	12.77	30.35				9.23	49.31	
73.59	4.86	35.74	2.10	15.45				6.96	51.19	78.47	4.55	35.74	2.10	16.48				6.65	52.22	126.11	2.83	35.74	2.10	26.48				4.93	62.22	
38.28	2.97	11.35	2.33	8.90				5.29	20.25	43.01	2.64	11.35	2.33	10.00				4.96	21.35	56.03	2.03	11.35	2.33	13.03				4.35	24.38	
14.48	-	-	4.97	7.19				4.97	7.19	14.83	-	-	4.97	7.37				4.97	7.37	16.92	-	-	4.97	8.41				4.97	8.41	
-	-	-	2.58	-				-	-	-	-	-	2.58	-				-	-	-	-	-	2.58	-	-				-	-
126.35		47.09		31.55					78.64	136.31		47.09		3.20				5.94	80.94	199.06	4.86	47.09	15.17	47.92				14.25	95.00	
41.12	1.67	6.86	1.63	6.70				3.30	13.56	49.63	1.38	6.86	1.63	8.09				3.01	14.95	52.38	1.31	6.86	1.63	8.53				2.94	15.39	
160.80	1.11	17.79	0.81	12.98				1.91	30.77	204.90	0.87	17.79	0.81	16.54				1.68	34.33	206.66	0.86	17.79	0.81	16.68				1.67	34.48	
201.91		24.65		19.68					44.33	254.53		24.65		24.65				49.28	259.05	2.17	24.65	2.44	25.22				4.61	49.87		

Units (MU)	May										June										July									
	Fixed Charges		Energy/Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)
32.85	-	-	-	4.08	13.41	-	-	4.08	13.41	33.66	-	-	4.08	13.73	-	-	4.08	13.73	38.39	-	-	4.08	15.67	-	-	4.08	15.67	4.08	15.67	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	2.20	-	-	-	-	-	-	-	-	-	2.20	-	-	-	-	-	-	-	-	-	2.20	-	-	-	-	-		
204.57	0.12	2.47	1.09	22.24	-	-	-	1.21	24.71	265.98	0.09	2.47	1.09	28.91	-	-	1.18	31.39	256.65	0.10	2.47	1.09	27.90	-	-	1.18	30.37			
76.49	2.03	15.52	1.36	10.44	-	-	-	3.39	25.95	138.71	1.12	15.52	1.36	18.93	-	-	2.48	34.44	151.55	1.02	15.52	1.36	20.68	-	-	2.39	36.20			
75.39	2.51	18.92	2.29	17.26	-	-	-	4.80	36.18	116.80	1.62	18.92	2.29	26.74	-	-	3.91	45.66	131.49	1.44	18.92	2.29	30.10	-	-	3.73	49.02			
84.73	4.17	35.37	2.53	21.46	-	-	-	6.71	56.83	137.00	2.58	35.37	2.53	34.69	-	-	5.11	70.06	206.24	1.71	35.37	2.53	52.22	-	-	4.25	87.59			
7.34	2.32	1.70	2.58	1.89	-	-	-	4.90	3.59	11.27	1.51	1.70	2.58	2.90	-	-	4.09	4.60	12.84	1.33	1.70	2.58	3.31	-	-	3.90	5.01			
136.71	3.65	49.89	3.28	44.81	-	-	-	6.93	94.70	246.75	2.02	49.89	3.28	80.88	-	-	5.30	130.77	279.37	1.79	49.89	3.28	91.57	-	-	5.06	141.46			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
621.07	1.67	103.76	2.60	161.49	-	-	-	4.27	265.25	601.04	1.73	103.76	2.60	156.28	-	-	4.33	260.04	621.07	1.67	103.76	2.60	161.49	-	-	4.27	265.25			
609.91	1.17	71.13	2.01	122.42	-	-	-	3.17	193.55	655.85	1.08	71.13	2.01	131.65	-	-	3.00	202.78	624.94	1.14	71.13	2.01	125.44	-	-	3.15	198.57			
36.31	3.32	12.06	3.51	12.74	-	-	-	6.83	24.79	30.49	3.95	12.06	3.51	10.70	-	-	7.46	22.75	-	-	12.06	3.51	-	-	-	-	12.06			
36.47	3.34	12.18	3.50	12.75	-	-	-	6.84	24.94	32.48	3.75	12.18	3.50	11.36	-	-	7.25	23.54	-	-	12.18	3.50	-	-	-	-	12.18			
40.68	2.98	12.13	3.20	13.03	-	-	-	6.18	25.16	35.58	3.41	12.13	3.20	11.40	-	-	6.61	23.53	23.96	5.06	12.13	3.20	7.68	-	-	8.27	19.80			
36.32	3.33	12.10	3.38	12.26	-	-	-	6.71	24.36	30.44	3.97	12.10	3.38	10.28	-	-	7.35	22.38	-	-	12.10	3.38	-	-	-	-	12.10			
33.50	3.72	12.47	3.40	11.40	-	-	-	7.13	23.87	36.63	3.41	12.47	3.40	12.46	-	-	6.81	24.94	-	-	12.47	3.40	-	-	-	-	12.47			

August										September										October										
Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)		(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
83.96	-	-	3.93	33.00	-	-	-	3.93	33.00	64.19	-	-	3.93	25.23	-	-	-	3.93	25.23	56.25	-	-	3.93	22.11	-	-	-	3.93	22.11	
228.29	-	-	16.16	78.45	-	-	-	10.35	78.45	186.14	-	-	16.16	63.84	-	-	-	10.35	63.84	191.99	-	-	16.16	65.10	-	-	-	10.35	65.10	
33.33	0.60	1.99	0.68	2.27	-	-	-	1.28	4.27	26.23	0.76	1.99	0.68	1.79	-	-	-	1.44	3.78	12.87	1.55	1.99	0.68	0.88	-	-	-	2.23	2.87	
11.94	1.86	2.22	1.72	2.05	-	-	-	3.57	4.26	12.16	1.82	2.22	1.72	2.09	-	-	-	3.54	4.30	10.35	2.14	2.22	1.72	1.78	-	-	-	3.86	3.99	
78.18	0.59	4.58	1.21	9.49	-	-	-	1.80	14.07	43.53	1.05	4.58	1.21	5.29	-	-	-	2.27	9.87	23.76	1.93	4.58	1.21	2.89	-	-	-	3.14	7.46	
57.95	1.01	5.85	0.88	5.07	-	-	-	1.89	10.93	36.69	1.60	5.85	0.88	3.21	-	-	-	2.47	9.06	26.53	2.21	5.85	0.88	2.32	-	-	-	3.08	8.18	
52.57	0.86	4.52	1.23	6.46	-	-	-	2.09	10.97	33.09	1.36	4.52	1.23	4.06	-	-	-	2.59	8.58	23.47	1.92	4.52	1.23	2.88	-	-	-	3.15	7.40	
47.30	0.80	3.76	1.34	6.34	-	-	-	2.14	10.10	37.59	1.00	3.76	1.34	5.04	-	-	-	2.34	8.80	20.42	1.84	3.76	1.34	2.74	-	-	-	3.18	6.50	
70.80	2.12	15.03	2.85	20.16	-	-	-	4.97	35.20	69.99	2.15	15.03	2.85	19.93	-	-	-	5.00	34.97	59.74	2.52	15.03	2.85	17.01	-	-	-	5.36	32.05	
18.06	2.30	4.16	2.70	4.88	-	-	-	5.00	9.03	8.24	5.04	4.16	2.70	2.23	-	-	-	7.74	6.38	5.03	8.27	4.16	2.70	1.36	-	-	-	10.97	5.51	
39.83	1.71	6.80	2.13	8.47	-	-	-	3.83	15.27	26.52	2.56	6.80	2.13	5.64	-	-	-	4.69	12.44	14.85	4.58	6.80	2.13	3.16	-	-	-	6.71	9.96	
41.53	2.71	11.28	2.25	9.36	-	-	-	4.97	20.64	28.32	3.98	11.28	2.25	6.39	-	-	-	6.24	17.66	19.49	5.78	11.28	2.25	4.39	-	-	-	8.04	15.67	
41.25	2.45	10.10	1.78	7.35	-	-	-	4.23	17.45	19.81	5.10	10.10	1.78	3.53	-	-	-	6.88	13.63	8.59	11.76	10.10	1.78	1.53	-	-	-	13.54	11.63	
27.93	7.12	19.89	2.18	6.09	-	-	-	9.30	25.98	41.36	4.81	19.89	2.18	9.02	-	-	-	6.99	28.91	26.84	7.41	19.89	2.18	3.85	-	-	-	9.59	25.74	
-	-	4.89	2.58	-	-	-	-	-	4.89	-	-	-	4.89	2.58	-	-	-	-	4.89	-	-	4.89	2.58	-	-	-	-	-	4.89	-
121.85	-	-	2.58	31.38	-	-	-	2.58	31.38	88.70	-	-	2.58	22.84	-	-	-	2.58	22.84	58.57	-	-	2.58	15.08	-	-	-	2.58	15.08	
134.18	-	-	2.58	34.55	-	-	-	2.58	34.55	97.67	-	-	2.58	25.15	-	-	-	2.58	25.15	64.50	-	-	2.58	16.61	-	-	-	2.58	16.61	
776.70	24.12	95.06	28.67	153.93	-	-	-	50.22	248.99	569.93	31.24	95.06	28.67	116.21	-	-	-	57.33	211.27	375.01	51.91	95.06	28.67	78.48	-	-	-	78.00	173.54	
137.04	1.38	18.96	2.50	34.27	-	-	-	3.88	53.23	78.53	2.41	18.96	2.50	19.64	-	-	-	4.92	38.60	36.38	5.21	18.96	2.50	9.10	-	-	-	7.71	28.06	
-	-	-	2.55	-	-	-	-	-	-	-	-	-	2.55	-	-	-	-	-	-	-	-	-	2.55	-	-	-	-	-	-	
-	-	-	2.58	-	-	-	-	-	-	-	-	-	2.58	-	-	-	-	-	-	-	-	-	2.58	-	-	-	-	-	-	
0.01	-	-	5.34	0.00	-	-	-	5.14	0.00	-	-	-	5.34	-	-	-	-	-	-	-	-	5.34	-	-	-	-	-	-	-	
137.05	1.38	18.96	12.77	34.28	-	-	-	9.03	53.24	78.53	2.41	18.96	12.77	19.64	-	-	-	4.92	38.60	36.38	5.21	18.96	12.77	9.10	-	-	-	7.71	28.06	
214.43	1.67	35.74	2.10	45.03	-	-	-	3.77	80.77	130.26	2.74	35.74	2.10	27.36	-	-	-	4.84	63.09	91.74	3.90	35.74	2.10	19.27	-	-	-	6.00	55.00	
79.47	1.43	11.35	2.33	18.48	-	-	-	3.75	29.83	44.94	2.53	11.35	2.33	10.45	-	-	-	4.85	21.80	31.46	3.61	11.35	2.33	7.32	-	-	-	5.93	18.67	
16.26	-	-	4.97	8.08	-	-	-	4.97	8.08	11.84	-	-	4.97	5.88	-	-	-	4.97	5.88	7.82	-	-	4.97	3.88	-	-	-	4.97	3.88	
-	-	-	2.58	-	-	-	-	-	-	-	-	-	2.58	-	-	-	-	-	-	-	-	-	2.58	-	-	-	-	-	-	
-	-	-	3.20	-	-	-	-	-	-	-	-	-	3.20	-	-	-	-	-	-	-	-	-	3.20	-	-	-	-	-	-	
310.16	3.09	47.09	15.17	71.59	-	-	-	12.49	118.68	187.03	5.27	47.09	15.17	43.69	-	-	-	14.66	90.77	131.02	7.50	47.09	15.17	30.46	-	-	-	16.90	77.55	
48.56	1.41	6.86	1.63	7.91	-	-	-	3.04	14.77	43.09	1.59	6.86	1.63	7.02	-	-	-	3.22	13.88	21.60	3.17	6.86	1.63	3.52	-	-	-	4.80	10.38	
190.94	0.93	17.79	0.81	15.42	-	-	-	1.74	33.21	129.11	1.38	17.79	0.81	10.42	-	-	-	2.19	28.21	83.72	2.13	17.79	0.81	6.76	-	-	-	2.93	24.55	
239.51	2.34	24.65	2.44	23.33	-	-	-	4.78	47.98	172.20	2.97	24.65	2.44	17.44	-	-	-	5.41	42.09	105.32	5.30	24.65	2.44	10.28	-	-	-	7.74	34.93	

August										September										October									
Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost	
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)
36.90	-	-	4.08	15.06				4.08	15.06	26.86	-	-	4.08	10.96				4.08	10.96	17.74	-	-	4.08	7.24				4.08	7.24
-	-	-	2.20	-				-	-	-	-	-	2.20	-				-	-	-	-	-	-	2.20	-			-	-
261.50	0.09	2.47	1.09	28.43				1.18	30.90	252.59	0.10	2.47	1.09	27.46				1.18	29.93	149.62	0.17	2.47	1.09	16.26			1.25	18.74	
141.41	1.10	15.52	1.36	19.29				2.46	34.81	98.08	1.58	15.52	1.36	13.38				2.95	28.90	47.22	3.29	15.52	1.36	6.44			4.65	21.96	
131.18	1.44	18.92	2.29	30.03				3.73	48.95	124.24	1.52	18.92	2.29	28.44				3.81	47.36	76.42	2.48	18.92	2.29	17.50			4.76	36.42	
218.69	1.62	35.37	2.53	55.38				4.15	90.75	172.75	2.05	35.37	2.53	43.75				4.58	79.11	107.48	3.29	35.37	2.53	27.22			5.82	62.59	
12.86	1.32	1.70	2.58	3.31				3.90	5.01	10.90	1.56	1.70	2.58	2.81				4.14	4.51	6.36	2.68	1.70	2.58	1.64			5.25	3.34	
271.19	1.84	49.89	3.28	88.89				5.12	138.78	222.67	2.24	49.89	3.28	72.99				5.52	122.87	140.36	3.55	49.89	3.28	46.01			6.83	95.89	
621.07	1.67	103.76	2.60	161.49				4.27	265.25	601.04	1.73	103.76	2.60	156.28				4.33	268.04	621.07	1.67	103.76	2.60	161.49			4.27	265.25	
543.17	1.31	71.13	2.01	109.03				3.32	180.16	577.50	1.23	71.13	2.01	115.92				3.24	187.05	658.44	1.08	71.13	2.01	132.17			3.09	203.30	
-	-	12.06	3.51	-				-	12.06	-	-	-	12.06	-				-	12.06	-	-	-	12.06	-			-	12.06	-
-	-	12.18	3.50	-				-	12.18	-	-	-	12.18	-				-	12.18	-	-	-	12.18	-			-	12.18	-
-	-	12.13	3.20	-				-	12.13	-	-	-	12.13	-				-	12.13	-	-	-	12.13	-			-	12.13	-
-	-	12.10	3.38	-				-	12.10	-	-	-	12.10	-				-	12.10	-	-	-	12.10	-			-	12.10	-
-	-	12.47	3.40	-				-	12.47	-	-	-	12.47	-				-	12.47	-	-	-	12.47	-			-	12.47	-

August										September										October											
Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total Cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost			
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)		(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
5.41	161.31	87.31	3.01	1.63				164.32	88.93	228.86	3.81	87.31	3.01	68.87				6.82	156.18	302.48	2.89	87.31	3.01	91.03				5.90	178.33		
457.98	7.41	339.46	3.05	139.51				10.46	478.97	391.49	8.67	339.46	3.05	119.25				11.72	458.72	589.94	5.75	339.46	3.05	179.70				8.80	519.17		
239.70	3.13	74.93	1.99	47.74				5.12	122.67	175.70	4.26	74.93	1.99	34.99				6.26	109.92	203.14	3.69	74.93	1.99	40.46				5.68	115.39		
489.82	1.99	97.38	2.84	139.09				4.83	236.47	418.92	2.32	97.38	2.84	118.95				5.16	216.34	459.31	2.12	97.38	2.84	130.42				4.96	227.80		
167.91	2.73	45.83	1.92	32.29				4.65	78.13	104.54	4.38	45.83	1.92	20.10				6.31	65.94	94.65	4.84	45.83	1.92	18.20				6.77	64.04		
588.82	2.35	138.24	2.56	150.68				4.91	288.92	632.54	2.19	138.24	2.56	161.87				4.74	300.11	605.07	2.28	138.24	2.56	154.84				4.84	293.08		
273.58	0.22	6.04	1.06	29.12				1.29	35.16	269.07	0.22	6.04	1.06	28.64				1.29	34.68	304.36	0.20	6.04	1.06	32.40				1.26	38.44		
179.92	2.41	43.43	1.57	28.25				3.98	71.68	177.69	2.44	43.43	1.57	27.90				4.01	71.32	178.05	2.44	43.43	1.57	27.96				4.01	71.38		
-	-	-	3.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4,604.22	191.95	1,192.32	58.13	1,064.16	-	-	-	227.68	2,256.48	4,458.58	40.32	1,192.32	58.13	1,041.61	-	-	-	76.06	2,233.93	4,943.95	42.42	1,192.32	58.13	1,083.72	-	-	-	78.15	2,276.04		
9,709.24	249.75	2,216.76	274.11	2,085.79	-	-	-	384.65	4,302.55	9,050.43	121.10	2,216.76	274.11	1,980.39	-	-	-	257.22	4,197.15	8,886.11	137.81	2,216.76	274.11	1,954.90	-	-	-	270.73	4,171.66		
549.84	-	-	3.22	176.82				3.22	176.82	532.11	-	-	3.22	171.12				3.22	171.12	549.84	-	-	3.22	176.82				3.22	176.82		
549.84	-	-	6.43	176.82				3.22	176.82	532.11	-	-	6.43	171.12				3.22	171.12	549.84	-	-	6.43	176.82				3.22	176.82		
259.68	-	-	4.69	121.90				4.69	121.90	251.30	-	-	4.69	117.97				4.69	117.97	259.68	-	-	4.69	121.90				4.69	121.90		
			3.00	-				-	3.00	-			-	3.00				-	3.00	-			-	3.00				-	3.00		
148.43	-	-	3.00	44.53				3.00	44.53	143.64	-	-	3.00	43.09				3.00	43.09	148.43	-	-	3.00	44.53				3.00	44.53		
28.06	-	-	3.00	8.42				3.00	8.42	54.31	-	-	3.00	16.29				3.00	16.29	28.06	-	-	3.00	8.42				3.00	16.84		
436.17	-	-	13.69	174.85				10.69	174.85	449.25	-	-	13.69	177.35				10.69	177.35	464.23	-	-	13.69	183.26				10.69	183.26		
37.20	-	-	3.43	12.76				3.43	12.76	36.00	-	-	3.43	12.35				3.43	12.35	37.20	-	-	3.43	12.76				3.43	12.76		
81.84	-	-	3.43	28.08				3.43	28.08	79.20	-	-	3.43	27.17				3.43	27.17	81.84	-	-	3.43	28.08				3.43	28.08		
280.86	-	-	3.43	96.35				3.43	96.35	271.80	-	-	3.43	93.24				3.43	93.24	280.86	-	-	3.43	96.35				3.43	96.35		
35.34	-	-	3.43	12.12				3.43	12.12	34.20	-	-	3.43	11.73				3.43	11.73	35.34	-	-	3.43	12.12				3.43	12.12		
12.46	-	-	6.51	8.11				6.51	8.11	12.06	-	-	6.51	7.85				6.51	7.85	12.46	-	-	6.51	8.11				6.51	8.11		
32.92	-	-	7.61	25.05				7.61	25.05	31.86	-	-	7.61	24.25				7.61	24.25	32.92	-	-	7.61	25.05				7.61	25.05		
480.62	-	-	34.34	182.47				27.84	182.47	465.12	-	-	34.34	176.59				27.84	176.59	480.62	-	-	34.34	182.47				27.84	182.47		
11,175.87		2,780.86		2,619.93	-	-	-	426.40	5,400.79	10,496.90		2,780.86		2,505.45	-	-	-		5,286.31	10,380.80	137.81	2,780.86		2,497.46	-	-	-		5,278.32		

Units (MU)	November									December										
	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
295.69	1.13	33.43	2.02	59.62				3.15	93.04	322.36	1.04	33.43	2.02	64.99				3.05	98.42	
530.70	0.63	33.53	1.83	97.32				2.47	130.85	532.84	0.63	33.53	1.83	97.71				2.46	131.24	
-	-	36.34	3.79	-	-			-	36.34	-	-	36.34	3.79	-	-			-	36.34	
-	-	26.71	2.42	-	-			-	26.71	-	-	26.71	2.42	-	-			-	26.71	
-	-	8.60	3.61	-	-			-	8.60	-	-	8.60	3.61	-	-			-	8.60	
-	-	57.98	3.56	-	-			-	57.98	-	-	57.98	3.56	-	-			-	57.98	
-	-	54.32	3.72	-	-			-	54.32	-	-	54.32	3.72	-	-			-	54.32	
352.88	3.36	118.57	1.83	64.65				5.19	183.21	354.25	3.35	118.57	1.83	64.90				5.18	183.47	
-	-	65.72	3.20	-	-			-	65.72	-	-	65.72	3.20	-	-			-	65.72	
-	-	3.20	-	-	-			-	3.20	-	-	3.20	-	-			-	3.20	-	
-	-	3.20	-	-	-			-	3.20	-	-	3.20	-	-			-	3.20	-	
1,179.27	5.12	435.18	35.59	221.58				10.80	656.76	1,209.45	5.01	435.18		227.60				10.70	662.78	
21.51	1.66	3.58	1.19	2.57				2.86	6.14	47.95	0.75	3.58	1.19	5.72				1.94	9.30	
10.25	0.84	0.86	0.79	0.81				1.63	1.67	21.82	0.40	0.86	0.79	1.72				1.18	2.58	
9.57	0.26	0.25	0.81	0.77				1.06	1.02	7.13	0.35	0.25	0.81	0.57				1.15	0.82	
18.07	0.63	1.13	0.49	0.89				1.12	2.02	12.15	0.93	1.13	0.49	0.60				1.42	1.73	
0.91	-	-	2.89	0.26				2.89	0.26	1.99	-	2.89	0.57	-				2.89	0.57	
0.22	-	-	2.13	0.05				2.13	0.05	0.12	-	2.13	0.02	-				2.13	0.02	
0.08	-	-	1.77	0.01				1.77	0.01	0.17	-	1.77	0.03	-				1.77	0.03	
0.09	2.46	0.02	4.54	0.04				7.00	0.06	0.16	1.35	0.02	4.54	0.07				5.89	0.09	
60.69	5.85	5.84	14.61	5.40				20.45	11.23	91.49	3.77	5.84	14.61	9.31				16.38	15.15	
-	-	6.35	4.37	-	-			-	6.35	-	-	6.35	4.37	-	-			-	6.35	
-	-	12.46	4.40	-	-			-	12.46	-	-	12.46	4.40	-	-			-	12.46	
-	-	13.28	3.82	-	-			-	13.28	-	-	13.28	3.82	-	-			-	13.28	
-	-	2.05	-	-	-			-	2.05	-	-	2.05	-	-			-	2.05	-	
-	-	2.06	-	-	-			-	2.06	-	-	2.06	-	-			-	2.06	-	
-	-	40.29	3.28	-	-			-	40.29	-	-	40.29	3.28	-	-			-	40.29	
-	-	20.45	3.12	-	-			-	20.45	-	-	20.45	3.12	-	-			-	20.45	
-	-	10.27	3.16	-	-			-	10.27	-	-	10.27	3.16	-	-			-	10.27	
-	-	6.77	3.21	-	-			-	6.77	-	-	6.77	3.21	-	-			-	6.77	
36.29	6.52	23.67	3.03	11.01				9.56	34.68	55.78	4.24	23.67	3.03	16.92				7.28	40.59	
-	-	2.76	-	-	-			-	2.76	-	-	2.76	-	-			-	2.76	-	
		2.30	-	-	-				2.30	-	-	2.30	-	-				-	2.30	
139.68	1.51	21.06	2.18	30.45				3.69	51.51	140.43	1.50	21.06	2.18	30.61				3.68	51.67	
-	-	6.15	3.42	-	-			-	6.15	-	-	6.15	3.42	-	-			-	6.15	
-	-	12.95	3.55	-	-			-	12.95	-	-	12.95	3.55	-	-			-	12.95	
204.41	1.08	21.99	1.46	29.93				2.54	51.91	180.00	1.22	21.99	1.46	26.35				2.69	48.34	
169.83	1.01	17.10	1.46	24.72				2.46	41.81	175.49	0.97	17.10	1.46	25.54				2.43	42.64	
208.06	1.66	34.45	1.44	29.88				3.09	64.34	229.47	1.50	34.45	1.44	32.96				2.94	67.41	
491.34	0.80	39.11	1.45	71.37				2.25	110.48	496.83	0.79	39.11	1.45	72.17				2.24	111.26	
-	-	1.42	-	-	-			-	1.42	-	-	1.42	-	-			-	1.42	-	
-	-	1.40	-	-	-			-	1.40	-	-	1.40	-	-			-	1.40	-	
-	-	2.85	-	-	-			-	2.85	-	-	2.85	-	-			-	2.85	-	
-	-	2.94	-	-	-			-	2.94	-	-	2.94	-	-			-	2.94	-	
-	-	2.93	-	-	-			-	2.93	-	-	2.93	-	-			-	2.93	-	
-	-	1.45	-	-	-			-	1.45	-	-	1.45	-	-			-	1.45	-	
-	-	1.50	-	-	-			-	1.50	-	-	1.50	-	-			-	1.50	-	
-	-	1.69	-	-	-			-	1.69	-	-	1.69	-	-			-	1.69	-	
-	-	1.62	-	-	-			-	1.62	-	-	1.62	-	-			-	1.62	-	
-	-	1.62	-	-	-			-	1.62	-	-	1.62	-	-			-	1.62	-	
-	-	1.60	-	-	-			-	1.60	-	-	1.60	-	-			-	1.60	-	
-	-	1.65	-	-	-			-	1.65	-	-	1.65	-	-			-	1.65	-	
544.20	1.73	93.95	2.61	141.99				4.34	235.94	562.34	1.67	93.95	2.61	146.72				4.28	240.67	
80.37	1.73	13.88	2.13	17.12				3.86	31.00	83.05	1.67	13.88	2.13	17.69				3.80	31.57	
-	-	3.62	-	-	-			-	3.62	-	-	3.62	-	-			-	3.62	-	
-	-	3.49	-	-	-			-	3.49	-	-	3.49	-	-			-	3.49	-	
1,874.17	16.02	397.66	86.50	356.46				31.78	754.13	1,923.38	13.57	397.66	86.50	368.97				29.33	766.63	
-	-	-	2.36	-	-			-	2.36	-	-	-	2.36	-	-			-	2.36	-
96.71	-	-	3.07	29.68				3.07	29.68	97.88	-	-	3.07	30.04				3.07	30.04	
		-	3.46	-	-			-	3.46	-	-	-	3.46	-	-			-	3.46	-
44.65	-	-	3.35	14.96				3.35	14.96	45.53	-	-	3.35	15.25				3.35	15.25	

Units (MU)	November										December									
	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
63.42	-	-	3.93	24.93				3.93	24.93	65.18	-	-	3.93	25.62				3.93	25.62	
204.78	-	-	16.16	69.57	-	-	-	10.35	69.57	208.59	-	-	16.16	70.91			-	10.35	70.91	
8.23	2.42	1.99	0.68	0.56				3.10	2.55	6.55	3.04	1.99	0.68	0.45				3.73	2.44	
5.53	4.01	2.22	1.72	0.95				5.73	3.16	2.86	7.76	2.22	1.72	0.49				9.47	2.71	
14.06	3.26	4.58	1.21	1.71				4.47	6.29	12.33	3.71	4.58	1.21	1.50				4.93	6.08	
32.45	1.80	5.85	0.88	2.84				2.68	8.69	27.27	2.15	5.85	0.88	2.39				3.02	8.24	
13.55	3.33	4.52	1.23	1.66				4.56	6.18	10.38	4.35	4.52	1.23	1.27				5.58	5.79	
10.56	3.56	3.76	1.34	1.42				4.90	5.18	7.82	4.81	3.76	1.34	1.05				6.15	4.81	
34.05	4.42	15.03	2.85	9.70				7.26	24.73	26.25	5.73	15.03	2.85	7.48				8.57	22.51	
4.28	9.72	4.16	2.70	1.16				12.42	5.31	4.07	10.22	4.16	2.70	1.10				12.92	5.25	
7.74	8.79	6.80	2.13	1.65				10.92	8.45	5.49	12.40	6.80	2.13	1.17				14.52	7.97	
19.90	5.66	11.28	2.25	4.49				7.92	15.76	16.31	6.91	11.28	2.25	3.68				9.17	14.95	
4.76	21.20	10.10	1.78	0.85				22.99	10.95	2.95	34.28	10.10	1.78	0.52				36.06	10.62	
13.32	14.94	19.89	2.18	2.90				17.12	22.80	14.32	13.89	19.89	2.18	3.12				16.07	23.01	
-	-	4.89	2.58	-				-	4.89	25.89	1.89	4.89	2.58	6.67				4.46	11.56	
38.90	-	-	2.58	10.02				2.58	10.02	30.40	-	-	2.58	7.83				2.58	8.62	
42.83	-	-	2.58	11.03				2.58	11.03	33.48	-	-	2.58	8.62				2.58	8.62	
250.15	83.11	95.06	28.67	50.92	-	-	-	109.21	145.98	226.35	111.14	95.06	28.67	47.33			-	199.81	142.39	
25.73	7.37	18.96	2.50	6.43				9.87	25.39	18.55	10.22	18.96	2.50	4.64				12.72	23.60	
-	-	-	2.55	-				-	-	-	-	-	2.55	-				-	-	
-	-	-	2.58	-				-	-	-	-	-	2.58	-				-	-	
-	-	-	5.14	-				-	-	-	-	-	5.14	-				-	-	
25.73	7.37	18.96	12.77	6.43	-	-	-	9.87	25.39	18.55	10.22	18.96	12.77	4.64			-	12.72	23.60	
80.07	4.46	35.74	2.10	16.81				6.56	52.55	94.54	3.78	35.74	2.10	19.85				5.88	55.59	
28.19	4.03	11.35	2.33	6.55				6.35	17.91	34.38	3.30	11.35	2.33	7.99				5.63	19.34	
5.19	-	-	4.97	2.58				4.97	2.58	4.06	-	-	4.97	2.02				4.97	2.02	
-	-	-	2.58	-				-	-	-	-	-	2.58	-				-	-	
-	-	-	3.20	-				-	-	-	-	-	3.20	-				-	-	
113.45	8.49	47.09	15.17	25.95	-	-	-	17.88	73.04	132.97	7.08	47.09	15.17	29.86			-	16.47	76.95	
13.40	5.12	6.86	1.63	2.18				6.75	9.04	10.63	6.46	6.86	1.63	1.73				8.09	8.59	
67.70	2.63	17.79	0.81	5.47				3.44	23.26	-	-	17.79	0.81	-				-	17.79	
81.10	7.75	24.65	2.44	7.65	-	-	-	10.18	32.30	10.63	6.46	24.65	2.44	1.73			-	8.09	26.38	

Units (MU)	November									December									
	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost	
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)
11.78	-	-	4.08	4.81				4.08	4.81	9.21	-	-	4.08	3.76				4.08	3.76
-	-	-	2.20	-				-	-	-	-	-	2.20	-				-	-
75.29	0.33	2.47	1.09	8.18				1.42	10.66	57.06	0.43	2.47	1.09	6.20				1.52	8.67
29.40	5.28	15.52	1.36	4.01				6.64	19.53	24.12	6.44	15.52	1.36	3.29				7.80	18.81
34.01	5.56	18.92	2.29	7.79				7.85	26.70	28.45	6.65	18.92	2.29	6.51				8.94	25.43
56.77	6.23	35.37	2.53	14.38				8.76	49.74	42.47	8.33	35.37	2.53	10.75				10.86	46.12
3.27	5.21	1.70	2.58	0.84				7.79	2.54	2.57	6.63	1.70	2.58	0.66				9.20	2.36
-	-	-	3.28	-				-	-	-	-	-	3.28	-				-	-
601.04	1.73	103.76	2.60	156.28				4.33	260.04	621.07	1.67	103.76	2.60	161.49				4.27	265.25
580.28	1.23	71.13	2.01	116.48				3.23	187.61	540.27	1.32	71.13	2.01	108.45				3.32	179.57
-	-	12.06	3.51	-				-	12.06	-	-	12.06	3.51	-				-	12.06
-	-	12.18	3.50	-				-	12.18	-	-	12.18	3.50	-				-	12.18
-	-	12.13	3.20	-				-	12.13	-	-	12.13	3.20	-				-	12.13
-	-	12.10	3.38	-				-	12.10	-	-	12.10	3.38	-				-	12.10
-	-	12.47	3.40	-				-	12.47	-	-	12.47	3.40	-				-	12.47

Units (MU)	November									December									
	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost	
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
-	-	87.31	3.01	-	-	-	-	-	87.31	-	-	87.31	3.01	-	-	-	-	-	87.31
138.75	24.47	339.46	3.05	42.26	-	-	-	27.51	381.73	330.02	10.29	339.46	3.05	100.53	-	-	-	13.33	439.99
220.17	3.40	74.93	1.99	43.85	-	-	-	5.39	118.78	212.37	3.53	74.93	1.99	42.30	-	-	-	5.52	117.22
523.15	1.86	97.38	2.84	148.55	-	-	-	4.70	245.93	470.58	2.07	97.38	2.84	133.62	-	-	-	4.91	231.00
159.57	2.87	45.83	1.92	30.69	-	-	-	4.80	76.52	127.36	3.60	45.83	1.92	24.49	-	-	-	5.52	70.33
431.07	3.21	138.24	2.56	110.31	-	-	-	5.77	248.55	351.39	3.93	138.24	2.56	89.92	-	-	-	6.49	228.16
324.50	0.19	6.04	1.06	34.54	-	-	-	1.25	40.58	322.38	0.19	6.04	1.06	34.31	-	-	-	1.25	40.36
212.64	2.04	43.43	1.57	33.39	-	-	-	3.61	76.81	209.73	2.07	43.43	1.57	32.93	-	-	-	3.64	76.35
-	-	55.86	3.20	-	-	-	-	-	55.86	-	-	55.86	3.20	-	-	-	-	-	55.86
3,389.88	63.60	1,198.29	58.13	751.54	-	-	-	93.05	1,949.84	3,339.83	57.14	1,198.29	58.13	755.47	-	-	-	86.59	1,953.76
7,191.00	197.31	2,222.74	274.11	1,500.31	-	-	-	317.67	3,723.05	7,170.45	214.38	2,222.74	238.53	1,519.58	-	-	-	336.51	3,742.31
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
532.11	-	-	3.22	171.12	-	-	-	-	3.22	171.12	549.84	-	-	3.22	176.82	-	-	3.22	176.82
-	-	-	3.22	-	-	-	-	-	-	7.05	-	-	-	3.22	2.27	-	-	3.22	2.27
532.11	-	-	6.43	171.12	-	-	-	-	3.22	171.12	556.89	-	-	6.43	179.09	-	-	6.43	179.09
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
251.30	-	-	4.69	117.97	-	-	-	-	4.69	117.97	246.01	-	-	4.69	115.48	-	-	4.69	115.48
-	-	-	3.00	-	-	-	-	-	-	-	-	-	-	3.00	-	-	-	-	-
143.64	-	-	3.00	43.09	-	-	-	-	3.00	43.09	148.43	-	-	3.00	44.53	-	-	3.00	44.53
54.31	-	-	3.00	16.29	-	-	-	-	3.00	16.29	56.12	-	-	3.00	16.84	-	-	3.00	16.84
449.25	-	-	13.69	177.35	-	-	-	-	10.69	177.35	450.56	-	-	13.69	176.85	-	-	10.69	176.85
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.00	-	-	3.43	12.35	-	-	-	-	3.43	12.35	37.20	-	-	3.43	12.76	-	-	3.43	12.76
79.20	-	-	3.43	27.17	-	-	-	-	3.43	27.17	81.84	-	-	3.43	28.08	-	-	3.43	28.08
271.80	-	-	3.43	93.24	-	-	-	-	3.43	93.24	280.86	-	-	3.43	96.35	-	-	3.43	96.35
34.20	-	-	3.43	11.73	-	-	-	-	3.43	11.73	35.34	-	-	3.43	12.12	-	-	3.43	12.12
12.06	-	-	6.51	7.85	-	-	-	-	6.51	7.85	12.46	-	-	6.51	8.11	-	-	6.51	8.11
-	-	-	6.51	-	-	-	-	-	-	-	-	-	-	6.51	-	-	-	-	-
31.86	-	-	7.61	24.25	-	-	-	-	7.61	24.25	32.92	-	-	7.61	25.05	-	-	7.61	25.05
465.12	-	-	34.34	176.59	-	-	-	-	27.84	176.59	480.62	-	-	34.34	182.47	-	-	27.84	182.47
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	275.94	-	-	-	-	-	-	275.94	-	-	275.94	-	-	-	-	-	-	275.94
-	-	72.97	-	-	-	-	-	-	72.97	-	-	72.97	-	-	-	-	-	-	72.97
-	-	23.13	-	-	-	-	-	-	23.13	-	-	23.13	-	-	-	-	-	-	23.13
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	192.06	-	-	-	-	-	-	192.06	-	-	192.06	-	-	-	-	-	-	192.06
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8,637.47	-	2,786.83	-	2,025.37	-	-	-	-	4,812.20	8,658.52	-	2,786.83	-	2,057.99	-	-	-	4,844.82	

January										February										March									
Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total cost	
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)
64.75	-	-	3.93	25.45	-	-	-	3.93	25.45	42.27	-	-	3.93	16.62	-	-	-	3.93	16.62	69.73	-	-	3.93	27.41	-	-	-	3.93	27.41
208.96	-	-	16.16	71.02	-	-	-	10.35	71.02	167.01	-	-	16.16	55.88	-	-	-	10.35	55.88	217.65	-	-	16.16	74.05	-	-	-	10.35	74.05
6.62	3.01	1.99	0.68	0.45	-	-	-	3.69	2.44	8.02	2.48	1.99	0.68	0.55	-	-	-	3.16	2.54	12.70	1.57	1.99	0.68	0.87	-	-	-	2.25	2.86
2.34	9.47	2.22	1.72	0.40	-	-	-	11.18	2.62	2.07	10.72	2.22	1.72	0.35	-	-	-	12.43	2.57	-	-	2.22	1.72	-	-	-	1.72	2.22	
12.57	3.64	4.58	1.21	1.53	-	-	-	4.86	6.11	19.21	2.38	4.58	1.21	2.33	-	-	-	3.60	6.91	27.81	1.65	4.58	1.21	3.38	-	-	-	2.86	7.96
26.56	2.20	5.85	0.88	2.33	-	-	-	3.08	8.18	39.83	1.47	5.85	0.88	3.49	-	-	-	2.35	9.34	59.63	0.98	5.85	0.88	5.22	-	-	-	1.86	11.07
9.13	4.95	4.52	1.23	1.12	-	-	-	6.18	5.64	10.55	4.28	4.52	1.23	1.29	-	-	-	5.51	5.81	15.32	2.95	4.52	1.23	1.88	-	-	-	4.17	6.40
6.48	5.81	3.76	1.34	0.87	-	-	-	7.15	4.63	5.84	6.44	3.76	1.34	0.78	-	-	-	7.78	4.54	7.25	5.19	3.76	1.34	0.97	-	-	-	6.53	4.73
21.25	7.08	15.03	2.85	6.05	-	-	-	9.92	21.08	19.82	7.59	15.03	2.85	5.64	-	-	-	10.43	20.88	24.76	6.07	15.03	2.85	7.05	-	-	-	8.92	22.08
6.34	6.55	4.16	2.70	1.71	-	-	-	9.25	5.87	12.69	3.27	4.16	2.70	3.43	-	-	-	5.98	7.58	18.17	2.29	4.16	2.70	4.91	-	-	-	4.99	9.06
4.74	14.36	6.80	2.13	1.01	-	-	-	16.49	7.81	4.68	14.55	6.80	2.13	0.99	-	-	-	16.67	7.80	7.12	9.55	6.80	2.13	1.51	-	-	-	11.68	8.32
16.36	6.89	11.28	2.25	3.69	-	-	-	9.15	14.96	22.57	5.00	11.28	2.25	5.09	-	-	-	7.25	16.36	32.63	3.46	11.28	2.25	7.36	-	-	-	5.71	18.63
2.92	34.57	10.10	1.78	0.52	-	-	-	36.36	10.62	1.78	36.58	10.10	1.78	0.32	-	-	-	38.36	10.41	3.67	27.52	10.10	1.78	0.65	-	-	-	29.90	10.75
8.97	22.18	19.89	2.18	1.96	-	-	-	20.36	21.85	8.41	23.66	19.89	2.18	1.83	-	-	-	25.84	21.72	15.78	12.60	19.89	2.18	3.44	-	-	-	14.78	23.33
24.59	1.99	4.89	2.58	6.33	-	-	-	4.56	11.22	31.70	1.54	4.89	2.58	8.16	-	-	-	4.12	13.05	44.01	1.11	4.89	2.58	11.33	-	-	-	3.69	16.22
28.87	-	-	2.58	7.43	-	-	-	2.58	7.43	37.22	-	-	-	-	-	-	-	2.58	9.59	51.68	-	-	2.58	13.31	-	-	-	2.58	13.31
31.79	-	-	2.58	8.19	-	-	-	2.58	8.19	40.98	-	-	-	-	-	-	-	2.58	10.55	56.90	-	-	2.58	14.65	-	-	-	2.58	14.65
209.51	122.70	95.06	28.67	43.58	-	-	-	151.37	138.64	265.36	139.96	95.06	28.67	54.41	-	-	-	168.64	149.47	377.42	74.94	95.06	28.67	76.54	-	-	-	101.90	171.60
16.82	11.27	18.96	2.50	4.21	-	-	-	13.77	23.17	15.25	12.43	18.96	2.50	3.81	-	-	-	14.93	22.77	18.46	10.27	18.96	2.50	4.62	-	-	-	12.77	23.58
-	-	-	2.55	-	-	-	-	-	-	-	-	-	2.55	-	-	-	-	-	-	-	-	-	2.55	-	-	-	-	-	-
-	-	-	2.58	-	-	-	-	-	-	-	-	-	2.58	-	-	-	-	-	-	-	-	-	2.58	-	-	-	-	-	-
0.54	-	-	5.14	0.28	-	-	-	5.14	0.28	0.89	-	-	5.14	0.46	-	-	-	5.14	0.46	1.11	-	-	5.14	0.57	-	-	-	5.14	0.57
17.36	11.27	18.96	12.77	4.48	-	-	-	18.91	23.44	16.14	12.43	18.96	12.77	4.27	-	-	-	20.07	23.33	19.57	10.27	18.96	12.77	5.19	-	-	-	17.91	24.15
107.96	3.31	35.74	2.10	22.67	-	-	-	5.41	58.41	87.91	4.06	35.74	2.10	18.46	-	-	-	6.16	54.20	89.13	4.01	35.74	2.10	18.72	-	-	-	6.11	54.45
40.89	2.78	11.35	2.33	9.51	-	-	-	5.10	20.86	36.58	3.10	11.35	2.33	8.51	-	-	-	5.43	19.86	43.31	2.62	11.35	2.33	10.07	-	-	-	4.95	21.42
3.85	-	-	4.97	1.91	-	-	-	4.97	1.91	4.97	-	-	4.97	2.47	-	-	-	4.97	2.47	6.90	-	-	4.97	3.43	-	-	-	4.97	3.43
-	-	-	2.58	-	-	-	-	-	-	-	-	-	2.58	-	-	-	-	-	-	-	-	-	2.58	-	-	-	-	-	-
-	-	-	3.20	-	-	-	-	-	-	-	-	-	3.20	-	-	-	-	-	-	-	-	-	3.20	-	-	-	-	-	-
152.70	6.09	47.09	15.17	34.09	-	-	-	15.48	81.18	129.47	7.17	47.09	15.17	29.44	-	-	-	16.56	76.52	139.34	6.63	47.09	15.17	32.21	-	-	-	16.02	79.30
9.02	7.61	6.86	1.63	1.47	-	-	-	9.24	8.33	7.97	8.60	6.86	1.63	1.30	-	-	-	10.23	8.16	9.24	7.43	6.86	1.63	1.51	-	-	-	9.05	8.36
34.40	5.17	17.79	0.81	2.78	-	-	-	5.98	20.57	30.70	5.79	17.79	0.81	2.48	-	-	-	6.60	20.27	35.35	5.03	17.79	0.81	2.85	-	-	-	5.84	20.64
43.42	12.78	24.65	2.44	4.25	-	-	-	15.21	28.90	38.68	14.40	24.65	2.44	3.78	-	-	-	16.83	28.43	44.59	12.46	24.65	2.44	4.36	-	-	-	14.89	29.01

Units (MU)	January										February										March									
	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other cost		Late payment Surcharge	Total cost		Units (MU)	Fixed charge		Energy/ Variable Charges		Other Cost		Late payment Surcharge	Total cost		
	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)		(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
8.74	-	-	4.08	3.57				4.08	3.57	11.27	-	-	4.08	4.60				4.08	4.60	15.65	-	-	4.08	6.39				4.08	6.39	
-	-	-	2.20	-				-	-	-	-	-	2.20	-				-	-	-	-	-	2.20	-			-	-	-	
45.71	0.54	2.47	1.09	4.97				1.63	7.44	34.17	0.72	2.47	1.09	3.71	1.81	6.19	39.00	0.63	2.47	1.09	4.24			1.72			1.72	6.71		
21.26	7.30	15.52	1.36	2.90				8.66	18.42	19.33	8.03	15.52	1.36	2.64	9.39	18.16	23.06	6.73	15.52	1.36	3.15			8.09			8.09	18.66		
20.97	9.02	18.92	2.29	4.80				11.31	23.72	19.70	9.60	18.92	2.29	4.51	11.89	23.43	27.81	6.80	18.92	2.29	6.37			9.09			9.09	25.29		
36.03	9.82	35.37	2.53	9.12				12.35	44.49	28.07	12.60	35.37	2.53	7.11			15.13	42.48	40.66	8.70	35.37	2.53	10.30			11.23	45.67			
2.09	8.14	1.70	2.58	0.54				10.72	2.24	1.75	9.73	1.70	2.58	0.45			12.31	2.15	2.27	7.49	1.70	2.58	0.59			10.07	2.29			
-	-	-	3.28	-				-	-	-	-	-	3.28	-			-	-	-	-	-	3.28	-			-	-	-		
621.07	1.67	103.76	2.60	161.49				4.27	265.25	560.97	1.85	103.76	2.60	145.86	4.45	249.62	621.07	1.67	103.76	2.60	161.49			4.27			4.27	265.25		
653.57	1.09	71.13	2.01	131.19				3.10	202.32	496.00	1.43	71.13	2.01	99.56	3.44	170.69	546.11	1.30	71.13	2.01	109.62			3.31			3.31	180.75		
-	-	12.06	3.51	-				-	12.06	-	-	12.06	3.51	-	-	-	12.06	-	-	-	12.06	3.51	-			-	-	12.06		
-	-	12.18	3.50	-				-	12.18	-	-	12.18	3.50	-	-	-	12.18	-	-	-	12.18	3.50	-			-	-	12.18		
-	-	12.13	3.20	-				-	12.13	-	-	12.13	3.20	-	-	-	12.13	-	-	-	12.13	3.20	-			-	-	12.13		
-	-	12.10	3.38	-				-	12.10	-	-	12.10	3.38	-	-	-	12.10	-	-	-	12.10	3.38	-			-	-	12.10		
-	-	12.47	3.40	-				-	12.47	-	-	12.47	3.40	-	-	-	12.47	-	-	-	12.47	3.40	-			-	-	12.47		

Total							
Units (Approved) (MU)	Units despatched afetr MOD (MU)	Annual Fixed Charges		Annual Energy/ Variable charge		Total Cost	
		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)
	827.27	-	-	3.93	325.18	3.93	325.18
-	2,486.07	-	-	-	849.14	-	849.14
	232.40	1.03	23.90	0.68	15.86	1.71	39.76
	75.97	3.50	26.60	1.72	13.03	5.22	39.63
	485.86	1.13	54.06	1.21	58.99	2.35	113.95
	576.84	1.22	70.22	0.88	50.51	2.09	120.74
	380.54	1.42	54.19	1.23	46.73	2.65	100.91
	274.27	1.64	45.14	1.34	36.82	2.98	81.96
	595.40	3.03	180.40	2.85	169.56	5.88	349.96
	145.23	3.43	49.86	2.70	39.22	6.13	89.09
	249.94	3.27	81.63	2.13	53.16	5.39	134.79
	353.70	3.83	135.30	2.25	79.75	6.08	215.05
	160.86	7.54	121.35	1.78	28.62	9.32	149.78
	362.85	6.23	238.70	2.18	83.50	8.42	322.19
	126.19	4.65	58.65	2.58	32.50	7.22	91.15
	893.23	-	-	2.58	230.04	2.58	230.04
	983.55	-	-	2.58	253.30	2.58	253.30
-	5,917.11	-	1,140.71	-	1,191.59	-	2,332.30
	664.44	3.42	227.52	2.50	166.18	5.93	393.70
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	6.07	-	-	5.14	3.12	5.14	3.12
-	670.51	-	227.52	-	169.30	-	396.62
	1,246.41	3.44	428.84	2.10	261.76	5.54	690.60
	511.39	2.66	136.21	2.33	118.90	4.99	255.12
	119.22	-	-	4.97	59.27	4.97	59.22
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
-	1,877.02	6.10	565.05	9.39	439.89	15.50	1,004.93
	327.22	2.52	82.31	1.63	53.31	4.14	135.63
	1,144.29	1.87	213.49	0.81	92.38	2.67	305.87
-	1,471.50	4.38	295.80	2.44	145.70	-	441.50

Total							
Units (Approved) (MU)	Units despatched afetr MOD (MU)	Annual Fixed Charges		Annual Energy/ Variable charge		Total Cost	
		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)
	270.48	-	-	4.08	110.37	4.08	110.37
	-	-	-	-	-	-	-
	1,724.05	0.17	29.67	1.09	187.41	1.26	217.07
	816.18	2.28	186.22	1.36	111.36	3.65	297.58
	786.46	2.89	227.03	2.29	180.05	5.18	407.08
	1,189.65	3.57	424.42	2.53	301.25	6.10	725.68
	77.84	2.63	20.43	2.58	20.05	5.20	40.48
	1,297.05	2.31	299.33	3.28	425.14	5.59	724.47
	7,312.60	1.70	1,245.13	2.60	1,901.42	4.30	3,146.55
	7,087.69	1.20	853.56	2.01	1,422.68	3.21	2,276.24
	66.80	21.66	144.66	3.51	23.44	25.17	168.10
	68.94	21.20	146.19	3.50	24.11	24.70	170.30
	100.22	14.52	145.54	3.20	32.11	17.73	177.65
	66.76	21.75	145.19	3.38	22.54	25.13	167.73
	70.12	21.35	149.70	3.40	23.86	24.75	173.56

Total							
Units (Approved) (MU)	Units despatched afetr MOD (MU)	Annual Fixed Charges		Annual Energy/ Variable charge		Total Cost	
		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)
	1,583.99	6.61	1,047.66	3.01	476.69	9.62	1,524.35
	4,611.06	8.83	4,073.53	3.05	1,404.60	11.88	5,478.13
	2,431.10	3.70	899.11	1.99	484.21	5.69	1,383.32
	5,238.44	2.23	1,168.60	2.84	1,487.45	5.07	2,656.05
	1,588.57	3.46	550.01	1.92	305.51	5.39	855.53
	6,235.65	2.66	1,658.89	2.56	1,595.72	5.22	3,254.61
	3,624.68	0.20	72.53	1.06	385.81	1.26	458.34
	2,229.56	2.34	521.10	1.57	350.07	3.91	871.17
	-	-	279.32	-	-	-	279.32
	48,207.42	2.96	14,287.81	2.32	11,165.47	5.28	25,453.28
	-	-	-	-	-	-	-
	102,568.97	2.59	26,581.11	2.18	22,321.63	4.77	48,902.74
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	6,473.95	-	-	3.22	2,081.92	3.22	2,081.92
	27.50	-	-	3.22	8.84	3.22	8.84
	6,501.45	-	-	-	2,090.77	-	2,090.77
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	3,043.84	-	-	4.69	1,428.86	4.69	1,428.86
	-	-	-	-	-	-	-
	1,747.62	-	-	3.00	524.29	3.00	524.29
	522.28	-	-	3.00	156.68	3.00	156.68
	5,313.73	-	-	-	2,109.83	-	2,109.83
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	438.00	-	-	3.43	150.26	3.43	150.26
	963.60	-	-	3.43	330.58	3.43	330.58
	3,306.90	-	-	3.43	1,134.47	3.43	1,134.47
	416.10	-	-	3.43	142.75	3.43	142.75
	146.73	-	-	6.51	95.45	6.51	95.45
	-	-	-	-	-	-	-
	387.63	-	-	7.61	294.99	7.61	294.99
	-	-	-	-	-	-	-
	5,658.96	-	-	-	2,148.49	-	2,148.49
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	3,035.34	-	3,311.28	-	-	-	3,311.28
	802.71	-	875.68	-	-	-	875.68
	254.38	-	277.50	-	-	-	277.50
	-	-	-	-	-	-	-
	2,112.65	-	2,304.71	-	-	-	2,304.71
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	6,205.07	120,043.11	33,350.28	-	28,670.72	5.17	62,020.99

Form No: F13C

Name of Distribution Licensee

Merit Order Despatch

No. of Mus for which MOD is to be Run =

Generating Stations	Must Run / Merit	Plant Type	Projected								
			Units (MU)	Fixed Charges (Rs.Crore)	Per Unit FC (Rs. /kWh)	Energy/ Variable Charges (Rs.Crore)	Per Unit EC/VC (Rs. /kWh)	Other Cost (Rs.Crore)	Per Unit Other Cost (Rs. /kWh)	Total Cost (Rs. Crore)	Per Unit Total Cost (Rs. /kWh)
Solar (Existing)	Must Run	1	3,043.84	-	-	1,428.86	4.69			1,428.86	4.69
Solar (FY 20)	Must Run	1	-	-	-	-	3.00			-	-
Solar (FY 21)	Must Run	1	1,747.62	-	-	524.29	3.00			524.29	3.00
Solar (FY 22)	Must Run	1	522.28	-	-	156.68	3.00			156.68	3.00
Solar (FY 23)	Must Run	1	-	-	-	-	3.00			-	-
WIND	Must Run	1	438.00	-	-	150.26	3.43			150.26	3.43
WIND (FY 20)	Must Run	1	963.60	-	-	330.58	3.43			330.58	3.43
WIND (FY 21)	Must Run	1	3,306.90	-	-	1,134.47	3.43			1,134.47	3.43
WIND (FY 22)	Must Run	1	416.10	-	-	142.75	3.43			142.75	3.43
Biomass Existing	Must Run	2	146.73	-	-	95.45	6.51			95.45	6.51
Biomass FY 20	Must Run	2	-	-	-	-	6.51			-	-
MSW FY 21	Must Run	2	387.63	-	-	294.99	7.61			294.99	7.61
KAPS	Must Run	1	-	-	-	-	2.36			-	-
NAPP	Must Run	2	1,130.24	-	-	346.88	3.07			346.88	3.07
TAPP-3 & 4	Must Run	1	-	-	-	-	3.46			-	-
RAPP-3 & 4	Must Run	1	528.56	-	-	177.08	3.35			177.08	3.35
RAPP-5 & 6	Must Run	1	827.27	-	-	325.18	3.93			325.18	3.93
Baggasse/Cogen/ CPP 1	Must Run	2	6,473.95	-	-	2,081.92	3.22			2,081.92	3.22
Baggasse/Cogen/ CPP 2	Must Run	2	27.50	-	-	8.84	3.22			8.84	3.22
Slop Based Power Project	Must Run	2	-	-	-	-	1.19			-	-
RIHAND	Must Run	2	462.54	42.93	0.93	55.15	1.19			98.08	2.12
OBRA (H)	Must Run	2	217.07	10.37	0.48	17.09	0.79			27.45	1.26
MATATILA	Must Run	2	59.57	2.96	0.50	4.80	0.81			7.76	1.30
KHARA	Must Run	2	243.64	13.57	0.56	12.01	0.49			25.58	1.05
UGC	Must Run	2	21.84	-	-	6.31	2.89			6.31	2.89
SHEETLA	Must Run	2	2.23	-	-	0.48	2.13			0.48	2.13
BELKA	Must Run	2	1.91	-	-	0.34	1.77			0.34	1.77
BABAIL	Must Run	2	1.33	0.25	1.91	0.60	4.54			0.86	6.46
SALAL	Must Run	1	232.40	23.90	1.03	15.86	0.68			39.76	1.71
TANAKPUR	Must Run	1	75.97	26.60	3.50	13.03	1.72			39.63	5.22
CHAMERA-I	Must Run	1	485.86	54.96	1.13	58.99	1.21			113.95	2.35
URI	Must Run	1	576.84	70.22	1.22	50.51	0.88			120.74	2.09
CHAMERA-II	Must Run	1	380.54	54.19	1.42	46.73	1.23			100.91	2.65
DHAULIGANGA	Must Run	1	274.77	45.14	1.64	36.82	1.34			81.96	2.98
DULHASTI	Must Run	1	595.40	180.40	3.03	169.56	2.85			349.96	5.88
SEWA-II	Must Run	1	145.23	49.86	3.43	39.22	2.70			89.09	6.13
CHAMERA-III	Must Run	1	249.94	81.63	3.27	53.16	2.13			134.79	5.39
URI-II	Must Run	1	353.70	135.30	3.83	79.75	2.25			215.05	6.08
PARBATHI-III	Must Run	1	160.66	121.16	7.54	28.62	1.78			149.78	9.32
KISHANGANGA	Must Run	1	382.85	238.70	6.23	83.50	2.18			322.19	8.42
PARBATHI-II	Must Run	1	126.19	58.65	4.65	32.50	2.58			91.15	7.22
SUBANSIRI LOWER	Must Run	1	893.23	-	-	230.04	2.58			230.04	2.58
PAKALDUL	Must Run	1	983.55	-	-	253.30	2.58			253.30	2.58
TEHRI	Must Run	1	1,246.41	428.84	3.44	261.76	2.10			690.60	5.54
KOTESHWAR	Must Run	1	511.39	136.21	2.66	118.90	2.33			255.12	4.99
Dhukwan SHP- THDC	Must Run	2	119.22	-	-	59.22	4.97			59.22	4.97
VISHNUGARH PIPAL KOTHI	Must Run	1	-	-	-	-	2.58			-	-
RAMPUR	Must Run	1	327.22	82.31	2.52	53.31	1.63			135.63	4.14
NATHPA JHAKRI	Must Run	1	1,144.29	213.49	1.87	92.38	0.81			305.87	2.67
Rajghat Hydro	Must Run	1	77.84	20.43	2.63	20.05	2.58			40.48	5.20
VISHNU PRAYAG	Must Run	1	1,724.05	29.67	0.17	187.41	1.09			217.07	1.26
KARCHAM	Must Run	1	816.18	186.22	2.28	111.36	1.36			297.58	3.65
TEESTA-III	Must Run	1	786.46	227.03	2.89	180.05	2.29			407.08	5.18
SRI NAGAR HEP	Must Run	1	1,189.65	424.42	3.57	301.25	2.53			725.68	6.10
KOLDAM HPS	Must Run	1	664.44	227.52	3.42	166.18	2.50			393.70	5.93

Form No: F13C

Name of Distribution Licensee

Merit Order Despatch

No. of Mus for which MOD is to be Run =

TAPOVAN VISHNUGARH	Must Run	1	-	-	-	-	2.55			-	-
LATA TAPOVAN HEP	Must Run	1	-	-	-	-	2.58			-	-
SINGRAULI SHPS	Must Run	1	6.07	-	-	3.12	5.14		3.12	5.14	-
TALA	Must Run	1	-	-	-	-	2.20			-	-
Kameng HEP	Must Run	1	270.48	-	-	110.37	4.08			110.37	4.08
Hydro (Competitive Bidding)	Must Run	1	1,297.05	299.33	2.31	425.14	3.28			724.47	5.59
ANPARA-A	Merit	2	3,622.72	401.14	1.11	730.39	2.02			1,131.53	3.12
ANPARA-B	Merit	2	6,797.77	402.34	0.59	1,246.54	1.83			1,648.87	2.43
PARICHHA EXT.	Merit	2	-	436.03	-	-	3.79			436.03	-
OBRA-B	Merit	2	-	320.49	-	-	2.42			320.49	-
HARDUAGANJ	Merit	2	-	103.21	-	-	3.69			103.21	-
HARDUAGANJ EXT.	Merit	2	535.23	695.72	13.00	190.60	3.56			886.32	16.56
PARICHHA EXT. STAGE-II	Merit	2	226.21	651.82	28.81	84.24	3.72			736.05	32.54
ANPARA-D	Merit	2	4,541.67	1,422.78	3.13	832.05	1.83			2,254.83	4.96
Panki Extension	Merit	2	-	-	-	-	3.20			-	-
HARDUAGANJ EXT. Stage II	Merit	2	73.30	788.66	107.59	23.46	3.20			812.12	110.79
OBRA-C	Merit	2	-	-	-	-	3.20			-	-
Jawaharpur	Merit	2	-	-	-	-	3.20			-	-
ANTA GPS	Merit	1	-	76.22	-	-	4.37			76.22	-
AURAIYA GPS	Merit	2	-	149.53	-	-	4.40			149.53	-
DADRI GPS	Merit	2	63.85	159.36	24.96	24.36	3.82			183.72	28.77
JHANOR GPS	Merit	1	-	-	-	-	2.05			-	-
KAWAS GPS	Merit	1	-	-	-	-	2.06			-	-
TANDA TPS	Merit	2	537.43	483.48	9.00	176.34	3.28			659.82	12.28
FGUTPS-1	Merit	2	754.55	245.37	3.25	235.36	3.12			480.73	6.37
FGUTPS-2	Merit	2	356.38	123.29	3.46	112.49	3.16			235.78	6.62
FGUTPS-3	Merit	2	118.29	81.20	6.86	37.92	3.21			119.12	10.07
FGUTPS-4	Merit	2	735.13	284.06	3.86	222.98	3.03			507.04	6.90

Form No: F13C

Name of Distribution Licensee

Merit Order Despatch

No. of Mus for which MOD is to be Run =

FSTPS	Merit	1	-	-	-	-	2.76	-	-
KHTPS-1	Merit	1	-	-	-	-	2.30	-	-
KHTPS-2	Merit	1	1,605.38	252.69	1.57	349.97	2.18	602.66	3.75
NCTPS-1	Merit	1	90.61	73.81	8.15	30.96	3.42	104.77	11.56
NCTPS-2	Merit	1	153.94	155.43	10.10	54.61	3.55	210.04	13.64
RIHAND-1	Merit	2	2,399.59	263.82	1.10	351.32	1.46	615.15	2.56
RIHAND-2	Merit	2	2,208.96	205.18	0.93	321.47	1.46	526.65	2.38
RIHAND-3	Merit	2	2,604.75	413.44	1.59	374.14	1.44	787.58	3.02
SINGRAULI	Merit	1	5,634.07	469.37	0.83	818.36	1.45	1,287.73	2.29
KORBA-I STPS	Merit	1	-	-	-	-	1.42	-	-
KORBA-III STPS	Merit	1	-	-	-	-	1.40	-	-
MAUDA-I STPS	Merit	1	-	-	-	-	2.85	-	-
MAUDA-II STPS	Merit	1	-	-	-	-	2.94	-	-
SOLAPUR TPS	Merit	1	-	-	-	-	2.93	-	-
SIPAT-I	Merit	1	-	-	-	-	1.45	-	-
SIPAT-II STPS	Merit	1	-	-	-	-	1.50	-	-
VINDHYACHAL-I STPS	Merit	1	-	-	-	-	1.69	-	-
VINDHYACHAL-II STPS	Merit	1	-	-	-	-	1.62	-	-
VINDHYACHAL-III STPS	Merit	1	-	-	-	-	1.62	-	-
VINDHYACHAL-IV STPS	Merit	1	-	-	-	-	1.60	-	-
VINDHYACHAL-V STPS	Merit	1	-	-	-	-	1.65	-	-
Tanda II	Merit	2	6,621.04	1,127.37	1.70	1,727.52	2.61	2,854.89	4.31
NABINAGAR POWER PROJECT	Merit	1	977.87	166.50	1.70	208.34	2.13	374.84	3.83
URS Power	Merit	1	-	41.82	-	-	2.96	41.82	-
KHURJA STPP	Merit	2	-	-	-	-	3.20	-	-
Meja Thermal Power Plant	Merit	2	7,312.60	1,245.13	1.70	1,901.42	2.60	3,146.55	4.30
LANCO	Merit	2	7,087.69	853.56	1.20	1,422.68	2.01	2,276.24	3.21
Indira Gandhi STPS, Jhajjar	Merit	1	-	-	-	-	3.62	-	-
BEPL BARKHERA	Merit	2	66.80	144.66	21.66	23.44	3.51	168.10	25.17
BEPL KHAMBHAKHERA	Merit	2	68.94	146.19	21.20	24.11	3.50	170.30	24.70
BEPL KUNDRAKHI	Merit	2	100.22	145.54	14.52	32.11	3.20	177.65	17.73
BEPL MAQSOODAPUR	Merit	2	66.76	145.19	21.75	22.54	3.38	167.73	25.13
BEPL UTRAULA	Merit	2	70.12	149.70	21.35	23.86	3.40	173.56	24.75
KSK MAHANADI	Merit	1	1,583.99	1,047.66	6.61	476.69	3.01	1,524.35	9.62
LALITPUR	Merit	2	4,611.06	4,073.53	8.83	1,404.60	3.05	5,478.13	11.88
M.B.POWER	Merit	1	2,431.10	899.11	3.70	484.21	1.99	1,383.32	5.69
PRAYAGRAJ POWER	Merit	2	5,238.44	1,168.60	2.23	1,487.45	2.84	2,656.05	5.07
R.K.M.POWER	Merit	1	1,588.57	550.01	3.46	305.51	1.92	855.52	5.39
ROSA-1&2	Merit	2	6,235.65	1,658.89	2.66	1,595.72	2.56	3,254.61	5.22
SASAN	Merit	1	3,624.68	72.53	0.20	385.81	1.06	458.34	1.26
TRN ENERGY	Merit	1	2,229.56	521.10	2.34	350.07	1.57	871.17	3.91
Ghatampur	Merit	2	-	279.32	-	-	3.20	279.32	-
	Merit	1	-	-	-	-	-	-	-
	Merit	1	-	-	-	-	-	-	-
Short Term Sources	Merit	1	-	-	-	-	3.28	-	-
* 1- Interstate ; 2- intrastate			120,043.11	26,581.11	2.21	28,670.72	2.39	55,251.83	4.60
Transmission Charges				6,769.17				6,769.17	
Total			120,043.11	33,350.28	2.78	28,670.72	2.39	62,020.99	5.17
Note:- 1. Information to be projected for for each year of the Control Period									
2. The above model should be able to give the MOD table based on F13B & value filled in C4 cell.									
3. Revenue details to be submitted should be linked in excel sheet.									

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3
Generating Stations	Must Run / Merit	Plant Type
Long term Sources		
Power procured from own Generating Stations (if any)		
From State Generating Stations Thermal		
ANPARA-A	Merit	2
ANPARA-B	Merit	2
PANKI	Merit	2
PARICHHA	Merit	2
PARICHHA EXT.	Merit	2
OBRA-A	Merit	2
OBRA-B	Merit	2
HARDUAGANJ	Merit	2
HARDUAGANJ EXT.	Merit	2
PARICHHA EXT. STAGE-II	Merit	2
ANPARA-D	Merit	2
Panki Extension	Merit	2
HARDUAGANJ EXT. Stage II	Merit	2
OBRA-C	Merit	2
Jawaharpur	Merit	2
UPRVUNL Consolidated		
Sub-Total		
From State Generating Stations Hydro		
RIHAND	Must Run	2
OBRA (H)	Must Run	2
MATATILA	Must Run	2
KHARA	Must Run	2
UGC	Must Run	2
SHEETLA	Must Run	2
BELKA	Must Run	2
BABAIL	Must Run	2
Sub-Total		
From Central Sector Generating Stations		
Thermal (NTPC)		
ANTA GPS	Merit	1
AURAIYA GPS	Merit	2
DADRI GPS	Merit	2
JHANOR GPS	Merit	1
KAWAS GPS	Merit	1
TANDA TPS	Merit	2
FGUTPS-1	Merit	2
FGUTPS-2	Merit	2
FGUTPS-3	Merit	2
FGUTPS-4	Merit	2
FSTPS	Merit	1
KHTPS-1	Merit	1
KHTPS-2	Merit	1
NCTPS-1	Merit	1
NCTPS-2	Merit	1
RIHAND-1	Merit	2
RIHAND-2	Merit	2

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3
RIHAND-3		2
SINGRAULI	Merit	1
KORBA-I STPS	Merit	1
KORBA-III STPS	Merit	1
MAUDA-I STPS	Merit	1
MAUDA-II STPS	Merit	1
SOLAPUR TPS	Merit	1
SIPAT-I	Merit	1
SIPAT-II STPS	Merit	1
VINDHYACHAL-I STPS	Merit	1
VINDHYACHAL-II STPS	Merit	1
VINDHYACHAL-III STPS	Merit	1
VINDHYACHAL-IV STPS	Merit	1
VINDHYACHAL-V STPS	Merit	1
Tanda II	Merit	2
Indira Gandhi STPS, Jhajjar	Merit	1
URS Power	Merit	1
SINGRAULI STAGE III	Merit	1
Indira Gandhi STPS, Jhajjar	Merit	1
GADARWARA STPS-I	Merit	1
LARA STPS-I		
KHARGONE STPS		
NTPC Consolidated		
Sub-Total		
NPCIL		
KAPS	Must Run	1
NAPP	Must Run	1
TAPP-3 & 4	Must Run	1
RAPP-3 & 4	Must Run	1
RAPP-5 & 6	Must Run	1
Sub-Total		
Hydro (NHPC)		
SALAL	Must Run	1
TANAKPUR	Must Run	1
CHAMERA-I	Must Run	1
URI	Must Run	1
CHAMERA-II	Must Run	1
DHAULIGANGA	Must Run	1
DULHASTI	Must Run	1
SEWA-II	Must Run	1
CHAMERA-III	Must Run	1
URI-II	Must Run	1
PARBATI-III	Must Run	1
KISHANGANGA	Must Run	1
PARBATI-II	Must Run	1
SUBANSIRI LOWER	Must Run	1
PAKALDUL	Must Run	1
NHPC Consolidated		
Sub-Total		
HYDRO (NTPC)		
KOLDAM HPS	Must Run	1
TAPOVAN VISHNUGARH	Must Run	1
LATA TAPOVAN HEP	Must Run	1
SINGRAULI SHPS	Must Run	1
Sub-Total		
HYDRO		
TEHRI	Must Run	1

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3
KOTESHWAR	Must Run	1
Dhukwan SHP- THDC	Must Run	1
VISHNUGARH PIPAL KOTHI	Must Run	1
Thermal		
KHURJA STPP	Merit	2
Sub-Total		
SJVN		
RAMPUR	Must Run	1
NATHPA JHAKRI	Must Run	1
Sub-Total		
NEEPCO		
Kameng HEP	Must Run	1
IPP/JV		
HYDRO		
TALA	Must Run	1
VISHNU PRAYAG	Must Run	1
KARCHAM	Must Run	1
TEESTA-III	Must Run	1
SRI NAGAR HEP		
Rajghat Hydro	Merit	2
Hydro (Competitive Bidding)	Merit	2
Thermal		
Meja Thermal Power Plant	Merit	2
LANCO	Merit	2
BEPL BARKHERA	Merit	2
BEPL KHAMBHAKHERA	Merit	2
BEPL KUNDRAKHI	Merit	2
BEPL MAQSOODAPUR	Merit	1
BEPL UTRAULA	Merit	2
KSK MAHANADI	Merit	1
LALITPUR	Merit	2
M.B.POWER	Merit	1
PRAYAGRAJ POWER	Merit	2
R.K.M.POWER	Merit	1
ROSA-1&2	Merit	1
SASAN	Merit	2
TRN ENERGY	Merit	1
NABINAGAR POWER PROJECT	Merit	1
APCPL	Merit	1
Ghatampur	Merit	2
Sub-Total		
Total		
Medium term Sources		
Short term Sources		
Medium term Sources		
Cogen/ Captive		
Bagasse/Cogen/ CPP 1	Must Run	2
Bagasse/Cogen/ CPP 2	Must Run	2
Cogen/ Captive		
Bilateral & Others (Power purchased through Trading)		
Solar (Existing)	Must Run	1

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3
Solar (FY 20)	Must Run	1
Solar (FY 21)	Must Run	1
Solar (FY 22)	Must Run	1
Solar (FY 23)	Must Run	1
SOLAR FY (24)	Must Run	1
SOLAR FY 25	Must Run	1
Non-Solar (Renewable)	Must Run	1
WIND	Must Run	1
WIND (FY 20)	Must Run	1
WIND (FY 21)	Must Run	2
WIND (FY 22)	Must Run	2
Biomass Existing	Must Run	2
Biomass FY 20		
MSW FY 21		
Slop based power project		
Sub-Total		
NVVN Thermal		
NVVN Solar		
OTHER SOURCES		
UI Charges		
Reactive Energy Charges		
OA		
Fwd/Rev Banking		
IEX Purchase		
IEX sale		
Sub Total		
PTC Unverified Power Purchase		
REC		
UI Charges		
Open Access Charges		
Banking		
PGCIL Charges		
WUPPTCL Charges		
SEUPPTCL Charges		
Reactive Energy Charges		
Case-I Transmission Charges		
Any other charges		
STU Charges		
Transmission Charges		
Less		
Late Payment Surcharge		
Grand Total		

* - includes Arrears in variable Charges

Note:- 1. Information to be provided for True-Up year, APR year & for each year of th
 2. The above model should be able to give the MOD table based on F13B & value fille
 3. Revenue details to be submitted should be linked in excel sheet.

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3
Generating Stations	Must Run / Merit	Plant Type
Long term Sources		
Power procured from own Generating Stations (if any)		
From State Generating Stations Thermal		
ANPARA-A	Merit	2
ANPARA-B	Merit	2
PANKI	Merit	2
PARICHHA	Merit	2
PARICHHA EXT.	Merit	2
OBRA-A	Merit	2
OBRA-B	Merit	2
HARDUAGANJ	Merit	2
HARDUAGANJ EXT.	Merit	2
PARICHHA EXT. STAGE-II	Merit	2
ANPARA-D	Merit	2
Panki Extension	Merit	2
HARDUAGANJ EXT. Stage II	Merit	2
OBRA-C	Merit	2
Jawaharpur	Merit	2
UPRVUNL Consolidated		
Sub-Total		
From State Generating Stations Hydro		
RIHAND	Must Run	2
OBRA (H)	Must Run	2
MATATILA	Must Run	2
KHARA	Must Run	2
UGC	Must Run	2
SHEETLA	Must Run	2
BELKA	Must Run	2
BABAIL	Must Run	2
Sub-Total		
From Central Sector Generating Stations		
Thermal (NTPC)		
ANTA GPS	Merit	1
AURAIYA GPS	Merit	2
DADRI GPS	Merit	2
JHANOR GPS	Merit	1
KAWAS GPS	Merit	1
TANDA TPS	Merit	2
FGUTPS-1	Merit	2
FGUTPS-2	Merit	2
FGUTPS-3	Merit	2
FGUTPS-4	Merit	2
FSTPS	Merit	1
KHTPS-1	Merit	1
KHTPS-2	Merit	1
NCTPS-1	Merit	1
NCTPS-2	Merit	1
RIHAND-1	Merit	2
RIHAND-2	Merit	2

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3
RIHAND-3		2
SINGRAULI	Merit	1
KORBA-I STPS	Merit	1
KORBA-III STPS	Merit	1
MAUDA-I STPS	Merit	1
MAUDA-II STPS	Merit	1
SOLAPUR TPS	Merit	1
SIPAT-I	Merit	1
SIPAT-II STPS	Merit	1
VINDHYACHAL-I STPS	Merit	1
VINDHYACHAL-II STPS	Merit	1
VINDHYACHAL-III STPS	Merit	1
VINDHYACHAL-IV STPS	Merit	1
VINDHYACHAL-V STPS	Merit	1
Tanda II	Merit	2
Indira Gandhi STPS, Jhajjar	Merit	1
URS Power	Merit	1
SINGRAULI STAGE III	Merit	1
Indira Gandhi STPS, Jhajjar	Merit	1
GADARWARA STPS-I	Merit	1
LARA STPS-I		
KHARGONE STPS		
NTPC Consolidated		
Sub-Total		
NPCIL		
KAPS	Must Run	1
NAPP	Must Run	1
TAPP-3 & 4	Must Run	1
RAPP-3 & 4	Must Run	1
RAPP-5 & 6	Must Run	1
Sub-Total		
Hydro (NHPC)		
SALAL	Must Run	1
TANAKPUR	Must Run	1
CHAMERA-I	Must Run	1
URI	Must Run	1
CHAMERA-II	Must Run	1
DHAULIGANGA	Must Run	1
DULHASTI	Must Run	1
SEWA-II	Must Run	1
CHAMERA-III	Must Run	1
URI-II	Must Run	1
PARBATI-III	Must Run	1
KISHANGANGA	Must Run	1
PARBATI-II	Must Run	1
SUBANSIRI LOWER	Must Run	1
PAKALDUL	Must Run	1
NHPC Consolidated		
Sub-Total		
HYDRO (NTPC)		
KOLDAM HPS	Must Run	1
TAPOVAN VISHNUGARH	Must Run	1
LATA TAPOVAN HEP	Must Run	1
SINGRAULI SHPS	Must Run	1
Sub-Total		
HYDRO		
TEHRI	Must Run	1

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3
KOTESHWAR	Must Run	1
Dhukwan SHP- THDC	Must Run	1
VISHNUGARH PIPAL KOTHI	Must Run	1
Thermal		
KHURJA STPP	Merit	2
Sub-Total		
SJVN		
RAMPUR	Must Run	1
NATHPA JHAKRI	Must Run	1
Sub-Total		
NEEPCO		
Kameng HEP	Must Run	1
IPP/JV		
HYDRO		
TALA	Must Run	1
VISHNU PRAYAG	Must Run	1
KARCHAM	Must Run	1
TEESTA-III	Must Run	1
SRI NAGAR HEP		
Rajghat Hydro	Merit	2
Hydro (Competitive Bidding)	Merit	2
Thermal		
Meja Thermal Power Plant	Merit	2
LANCO	Merit	2
BEPL BARKHERA	Merit	2
BEPL KHAMBHAKHERA	Merit	2
BEPL KUNDRAKHI	Merit	2
BEPL MAQSOODAPUR	Merit	1
BEPL UTRAULA	Merit	2
KSK MAHANADI	Merit	1
LALITPUR	Merit	2
M.B.POWER	Merit	1
PRAYAGRAJ POWER	Merit	2
R.K.M.POWER	Merit	1
ROSA-1&2	Merit	1
SASAN	Merit	2
TRN ENERGY	Merit	1
NABINAGAR POWER PROJECT	Merit	1
APCPL	Merit	1
Ghatampur	Merit	2
Sub-Total		
Total		
Medium term Sources		
Short term Sources		
Medium term Sources		
Cogen/ Captive		
Bagasse/Cogen/ CPP 1	Must Run	2
Bagasse/Cogen/ CPP 2	Must Run	2
Cogen/ Captive		
Bilateral & Others (Power purchased through Trading)		
Solar (Existing)	Must Run	1

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3
Solar (FY 20)	Must Run	1
Solar (FY 21)	Must Run	1
Solar (FY 22)	Must Run	1
Solar (FY 23)	Must Run	1
SOLAR FY (24)	Must Run	1
SOLAR FY 25	Must Run	1
Non-Solar (Renewable)	Must Run	1
WIND	Must Run	1
WIND (FY 20)	Must Run	1
WIND (FY 21)	Must Run	2
WIND (FY 22)	Must Run	2
Biomass Existing	Must Run	2
Biomass FY 20		
MSW FY 21		
Slop based power project		
Sub-Total		
NVVN Thermal		
NVVN Solar		
OTHER SOURCES		
UI Charges		
Reactive Energy Charges		
OA		
Fwd/Rev Banking		
IEX Purchase		
IEX sale		
Sub Total		
PTC Unverified Power Purchase		
REC		
UI Charges		
Open Access Charges		
Banking		
PGCIL Charges		
WUPPTCL Charges		
SEUPPTCL Charges		
Reactive Energy Charges		
Case-I Transmission Charges		
Any other charges		
STU Charges		
Transmission Charges		
Less		
Late Payment Surcharge		
Grand Total		

* - includes Arrears in variable Charges

Note:- 1. Information to be provided for True-Up year, APR year & for each year of th
 2. The above model should be able to give the MOD table based on F13B & value fille
 3. Revenue details to be submitted should be linked in excel sheet.

Form No: F13D
Name of Distribution Licensee
Summary of Power Purchase Cost

1	2	3	24	25	26	27	28	29	30	31	32	33
True-up FY 2019-20												
Generating Stations	Must Run / Merit	Plant Type	Units (MU)	Fixed Charges (Rs.Crore)	Per Unit Fixed (Rs. kWh)	Energy/ Variable Charges* (Rs.Crore)	Per Unit EC/VC (Rs. kWh)	Other Cost (Rs.Crore)	Per Unit Other Cost (Rs./kWh)	Late payment Surcharge (Rs. Crore)	Total Cost (Rs. Crore)	Per Unit Total Cost (Rs. /kWh)
Long term Sources												
Power procured from own Generating Stations (if any)												
From State Generating Stations Thermal												
ANPARA-A	Merit	2	3,914.45	303.77	0.78	709.93	1.81	0.48	0.00		1,014.18	2.59
ANPARA-B	Merit	2	6,470.88	298.89	0.46	1,117.95	1.73	13.09	0.02		1,429.93	2.21
PANKI	Merit	2	-	-	-	-	-	-	-		-	-
PARICHHA	Merit	2	200.56	45.82	2.28	72.30	3.61	13.29	0.66		131.42	6.55
PARICHHA EXT.	Merit	2	1,927.82	333.66	1.73	644.69	3.34	2.59	0.01		980.94	5.09
OBRA-A	Merit	2	-	-	-	-	-	-	-		-	-
OBRA-B	Merit	2	3,324.45	249.93	0.75	702.51	2.11	7.20	0.02		959.64	2.89
HARDUAGANJ	Merit	2	158.52	78.98	4.98	56.17	3.54	2.67	0.17		137.81	8.69
HARDUAGANJ EXT.	Merit	2	2,850.79	532.38	1.87	956.02	3.35	2.84	0.01		1,491.24	5.23
PARICHHA EXT. STAGE-II	Merit	2	1,305.98	332.74	2.55	437.66	3.35	1.62	0.01		772.02	5.91
ANPARA-D	Merit	2	5,164.05	822.99	1.59	876.17	1.70	4.27	0.01		1,703.43	3.30
Panki Extension	Merit	2	-	-	-	-	-	-	-		-	-
HARDUAGANJ EXT. Stage II	Merit	2	-	-	-	-	-	-	-		-	-
OBRA-C	Merit	2	-	-	-	-	-	-	-		-	-
Jawaharpur	Merit	2	-	-	-	-	-	-	-		-	-
UPRVUNL Consolidated								-40.06	-		-40.06	-
Sub-Total			25,317.52	2,999.16		5,573.40		8.00	0.00		8,580.56	3.39
From State Generating Stations Hydro												
RIHAND	Must Run	2	365.88	15.08	0.41	21.00	0.57	-0.00	-0.00		36.08	0.99
OBRA (H)	Must Run	2	187.20	10.99	0.59	7.81	0.42	-0.00	-0.00		18.80	1.00
MATATILA	Must Run	2	47.71	1.94	0.41	1.54	0.32	-0.00	-0.00		3.48	0.73
KHARA	Must Run	2	313.83	11.64	0.37	11.61	0.37	-0.00	-0.00		23.25	0.74
UGC	Must Run	2	20.08	-	-	5.68	2.83	-	-		5.68	2.83
SHEETLA	Must Run	2	1.96	-	-	0.30	1.54	-	-		0.30	1.54
BELKA	Must Run	2	1.54	-	-	0.33	2.12	-	-		0.33	2.12
BABAIL	Must Run	2	-0.03	-	-	-0.01	2.95	-	-		-0.01	2.95
Sub-Total			938.17	39.66		48.26		-0.01	-0.00		87.91	0.94
From Central Sector Generating Stations												
Thermal (NTPC)												
ANTA GPS	Merit	1	160.12	57.77	3.61	114.29	7.14	0.49	0.03		172.55	10.78
AURAIYA GPS	Merit	2	172.73	113.41	6.57	82.69	4.79	5.38	0.31		201.48	11.66
DADRI GPS	Merit	2	784.83	120.79	1.54	452.57	5.77	18.76	0.24		592.13	7.54
JHANOR GPS	Merit	1	2.17	0.25	1.16	1.09	5.04	-0.00	-0.00		1.34	6.20
KAWAS GPS	Merit	1	9.13	0.69	0.75	3.07	3.36	-	-		3.75	4.11
TANDA TPS	Merit	2	1,827.85	368.18	2.01	557.59	3.05	19.85	0.11		945.62	5.17
FGUTPS-1	Merit	2	971.68	186.59	1.92	330.27	3.40	13.59	0.14		530.45	5.46
FGUTPS-2	Merit	2	535.05	93.73	1.75	184.29	3.44	7.57	0.14		285.59	5.34
FGUTPS-3	Merit	2	299.24	61.69	2.06	102.08	3.41	4.12	0.14		167.89	5.61
FGUTPS-4	Merit	2	1,013.38	251.03	2.48	325.78	3.21	13.72	0.14		590.52	5.83
FSTPS	Merit	1	191.25	19.22	1.00	46.56	2.43	0.84	0.04		66.62	3.48
KHTPS-1	Merit	1	369.78	54.92	1.49	83.32	2.25	-	-		138.24	3.74
KHTPS-2	Merit	1	1,320.87	192.22	1.46	281.97	2.13	-	-		474.18	3.59
NCTPS-1	Merit	1	301.41	56.15	1.86	124.52	4.13	1.70	0.06		182.38	6.05
NCTPS-2	Merit	1	607.39	117.60	1.94	145.31	2.39	5.18	0.09		268.09	4.41
RIHAND-1	Merit	2	2,206.96	199.98	0.91	303.60	1.38	-5.60	-0.03		497.97	2.26
RIHAND-2	Merit	2	2,091.09	155.50	0.74	283.72	1.36	-	-		439.23	2.10

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

	1	2	3	24	25	26	27	28	29	30	31	32	33
RIHAND-3	Merit	2		2,653.35	345.39	1.30	363.14	1.37	5.54	0.02		714.07	2.69
SINGRAULI	Merit	1		5,100.45	357.68	0.70	708.92	1.39	-	-		1,066.59	2.09
KORBA-I STPS	Merit	1		24.10	1.66	0.69	3.25	1.35	0.00	0.00		4.90	2.03
KORBA-III STPS	Merit	1		21.76	1.34	0.62	1.25	0.57	0.00	0.00		2.59	1.19
MAUDA-I STPS	Merit	1		37.64	8.37	2.22	12.10	3.21	0.17	0.04		20.64	5.48
MAUDA-II STPS	Merit	1		41.90	8.75	2.09	13.52	3.23	0.13	0.03		22.41	5.35
SOLAPUR TPS	Merit	1		1.13	4.32	38.32	0.40	3.57	0.02	0.20		4.74	42.09
SIPAT-I	Merit	1		38.55	4.99	1.29	4.90	1.27	0.00	0.00		9.89	2.57
SIPAT-II STPS	Merit	1		15.03	1.96	1.31	2.17	1.44	-0.00	-0.00		4.14	2.75
VINDHYACHAL-I STPS	Merit	1		32.44	2.95	0.91	5.70	1.76	-	-		8.65	2.67
VINDHYACHAL-II STPS	Merit	1		16.85	1.35	0.80	2.82	1.67	-	-		4.17	2.47
VINDHYACHAL-III STPS	Merit	1		23.62	2.44	1.03	3.96	1.67	-0.00	-0.00		6.39	2.71
VINDHYACHAL-IV STPS	Merit	1		19.25	3.35	1.74	3.14	1.63	0.00	0.00		6.49	3.37
VINDHYACHAL-V STPS	Merit	1		14.22	2.33	1.64	2.40	1.69	0.02	0.01		4.75	3.34
Tanda II	Merit	2		1,184.70	216.12	1.82	260.65	2.20	10.06	0.08		486.84	4.11
Indira Gandhi STPS, Jhajjar	Merit	1		-	-	-	-	-	-	-		-	-
URS Power	Merit	1		-	-	-	-	-	-	-		-	-
SINGRAULI STAGE III	Merit	1		-	-	-	-	-	-	-		-	-
Indira Gandhi STPS, Jhajjar	Merit	1		-	-	-	-	-	-	-		-	-
GADARWARA STPS-I	Merit	1		1.92	2.49	12.96	0.67	3.50	0.03	0.15		3.19	16.61
LARA STPS-I				4.52	1.46	3.23	1.11	2.45	-	-		2.57	5.68
KHARGONE STPS				1.49	0.42	2.82	0.44	2.93	-	-		0.86	5.75
NTPC Consolidated									69.32			69.32	-
Sub-Total				22,097.86	3,017.10	1.37	4,813.27	2.18	170.90	0.08		8,001.26	3.62
NPCIL													
KAPS	Must Run	1		6.73	-	-	1.71	2.54	-0.22	-0.33		1.49	2.21
NAPP	Must Run	1		1,229.14	-	-	391.71	3.19	-63.15	-0.51		328.56	2.67
TAPP-3 & 4	Must Run	1		21.33	-	-	6.74	3.16	1.31	0.61		8.05	3.77
RAPP-3 & 4	Must Run	1		519.36	-	-	181.07	3.49	1.78	0.03		182.84	3.52
RAPP-5 & 6	Must Run	1		889.26	-	-	360.56	4.05	-226.06	-2.54		134.51	1.51
Sub-Total				2,665.82	-	-	941.80	-	-286.35	-2.74		655.45	2.46
Hydro (NHPC)													
SALAL	Must Run	1		265.15	19.88	0.75	16.33	0.62	9.84	0.37		46.05	1.74
TANAKPUR	Must Run	1		102.67	20.31	1.98	16.37	1.59	15.34	1.49		52.02	5.07
CHAMERA-I	Must Run	1		532.76	40.23	0.76	60.79	1.14	-1.32	-0.02		99.70	1.87
URI	Must Run	1		664.14	53.33	0.80	54.59	0.82	4.77	0.07		112.69	1.70
CHAMERA-II	Must Run	1		338.92	24.04	0.71	34.06	1.01	-0.92	-0.03		57.18	1.69
DHAULIGANGA	Must Run	1		334.88	42.95	1.28	40.63	1.21	-0.98	-0.03		82.60	2.47
DULHASTI	Must Run	1		556.47	122.34	2.20	146.82	2.64	2.46	0.04		271.63	4.88
SEWA-II	Must Run	1		173.34	44.62	2.57	41.80	2.41	0.44	0.03		86.86	5.01
CHAMERA-III	Must Run	1		274.49	57.72	2.10	54.07	1.97	2.85	0.10		114.64	4.18
URI-II	Must Run	1		435.41	83.26	1.91	78.38	1.80	6.37	0.15		168.01	3.86
PARBATHI-III	Must Run	1		180.47	74.62	4.13	27.77	1.54	-0.82	-0.05		101.58	5.63
KISHANGANGA	Must Run	1		398.90	77.61	1.95	69.75	1.75	46.37	1.16		193.73	4.86
PARBATHI-II	Must Run	1		-	-	-	-	-	-	-		-	-
SUBANSIRI LOWER	Must Run	1		-	-	-	-	-	-	-		-	-
PAKALDUL	Must Run	1		-	-	-	-	-	-	-		-	-
NHPC Consolidated									233.00			233.00	-
Sub-Total				4,257.62	660.91	-	641.37	-	317.41	0.75		1,619.68	3.80
HYDRO (NTPC)													
KOLDAM HPS	Must Run	1		730.73	191.78	2.62	174.87	2.39	1.81	0.02		368.45	5.04
TAPOVAN VISHNUGARH	Must Run	1		-	-	-	-	-	-	-		-	-
LATA TAPOVAN HEP	Must Run	1		-	-	-	-	-	-	-		-	-
SINGRAULI SHPS	Must Run	1		4.90	-	-	3.10	6.34	-	-		3.10	6.34
Sub-Total				735.63	191.78	-	177.97	-	1.81	0.02		371.56	5.05
HYDRO													
TEHRI	Must Run	1		1,229.28	280.46	2.28	277.18	2.25	236.84	1.93		794.48	6.46

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3	24	25	26	27	28	29	30	31	32	33
KOTESHWAR	Must Run	1	500.49	124.70	2.49	113.77	2.27	0.24	0.00		238.71	4.77
Dhukwan SHP- THDC	Must Run	1	2.72	-	-	0.66	2.44	-	-		0.66	2.44
VISHNUGARH PIPAL KOTHI	Must Run	1	-	-	-	-	-	-	-		-	-
Thermal												
KHURJA STPP	Merit	2	-	-	-	-	-	-	-		-	-
Sub-Total			1,732.49	405.17		391.61		237.08	1.93		1,033.86	5.97
SJVN												
RAMPUR	Must Run	1	356.84	72.40	2.03	71.79	2.01	2.11	0.06		146.31	4.10
NATHPA JHAKRI	Must Run	1	1,374.11	154.05	1.12	169.13	1.23	28.68	0.21		351.87	2.56
Sub-Total			1,730.95	226.46		240.92		30.79	0.27		498.18	2.88
NEEPCO												
Kameng HEP	Must Run	1	-	-	-	-	-	-	-		-	-
IPP/JV												
HYDRO												
TALA	Must Run	1	118.90	-	-	25.68	2.16	-	-		25.68	2.16
VISHNU PRAYAG	Must Run	1	1,731.42	24.28	0.14	226.02	1.31	28.69	0.17		278.98	1.61
KARCHAM	Must Run	1	917.72	152.04	1.66	154.29	1.68	109.22	1.19		415.55	4.53
TEESTA-III	Must Run	1	897.63	239.62	2.67	222.19	2.48	51.97	0.58		513.78	5.72
SRI NAGAR HEP			1,351.33	387.98	2.87	313.11	2.32	-	-		701.09	5.19
Rajghat Hydro	Merit	2	-	-	-	-	-	-	-		-	-
Hydro (Competitive Bidding)	Merit	2										
Thermal												
Meja Thermal Power Plant	Merit	2	847.10	247.02	2.92	260.61	3.08	15.00	0.18		522.63	6.17
LANCO	Merit	2	6,725.85	637.11	0.95	1,356.15	2.02	139.49	0.21		2,132.75	3.17
BEPL BARKHERA	Merit	2	82.96	92.42	11.14	30.70	3.70	-12.22	-1.47		110.91	13.37
BEPL KHAMBHAKHERA	Merit	2	73.16	89.64	12.25	26.96	3.69	0.65	0.09		117.26	16.03
BEPL KUNDRAKHI	Merit	2	116.26	89.36	7.69	37.89	3.26	0.87	0.07		128.12	11.02
BEPL MAQSOODAPUR	Merit	1	93.89	85.71	9.13	35.04	3.73	0.84	0.09		121.59	12.95
BEPL UTRAULA	Merit	2	109.72	89.94	8.20	37.54	3.42	70.94	6.47		198.42	18.08
KSK MAHANADI	Merit	1	4,772.38	1,219.31	2.55	1,331.69	2.79	55.93	0.12		2,606.94	5.46
LALITPUR	Merit	2	6,916.87	2,858.00	4.13	2,044.09	2.96	548.75	0.79		5,450.85	7.88
M.B.POWER	Merit	1	2,273.46	669.32	2.94	435.51	1.92	246.37	1.08		1,351.20	5.94
PRAYAGRAJ POWER	Merit	2	8,472.86	1,247.90	1.47	2,068.15	2.44	159.72	0.19		3,475.77	4.10
R.K.M.POWER	Merit	1	2,074.84	547.47	2.64	389.43	1.88	-57.63	-0.28		879.27	4.24
ROSA-1&2	Merit	1	5,632.62	1,269.43	2.25	1,729.06	3.07	142.92	0.25		3,141.41	5.58
SASAN	Merit	2	3,778.25	55.68	0.15	434.43	1.15	21.48	0.06		511.59	1.35
TRN ENERGY	Merit	1	1,599.77	292.24	1.83	264.81	1.66	-16.31	-0.10		540.74	3.38
NABINAGAR POWER PROJECT	Merit	1	235.18	76.33	3.25	48.66	2.07	-1.14	-0.05		123.84	5.27
APCPL	Merit	1	196.74	42.11	2.14	89.82	4.57	20.27			152.20	7.74
Ghatampur	Merit	2										
Sub-Total			49,018.91	10,412.91	2.12	11,561.86	2.36	1,525.80	0.31		23,500.57	4.79
Total			108,494.96	17,953.14		24,390.46		2,005.42	0.18		44,349.02	4.09
Medium term Sources												
Short term Sources												
Medium term Sources			-	-	-	-	-	-	-		-	-
Cogen/ Captive												
Bagasse/Cogen/ CPP 1	Must Run	2	3,717.72	-	-	1,399.94	3.77	-204.38	-0.55		1,195.56	3.22
Bagasse/Cogen/ CPP 2	Must Run	2										
Cogen/ Captive			3,717.72	-	-	1,399.94	3.77	-204.38	-0.55		1,195.56	3.22
Bilateral & Others (Power purchased through Trading)												
Solar (Existing)	Must Run	1	-	-	-	-	-	-	-		-	-

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

	1	2	3	24	25	26	27	28	29	30	31	32	33
Solar (FY 20)	Must Run	1		-	-	-	-	-	-	-	-	-	-
Solar (FY 21)	Must Run	1		-	-	-	-	-	-	-	-	-	-
Solar (FY 22)	Must Run	1		-	-	-	-	-	-	-	-	-	-
Solar (FY 23)	Must Run	1		2,217.21	-	-	1,013.33	4.57	27.49	0.12		1,040.82	4.69
SOLAR FY (24)	Must Run	1		-	-	-	-	-	-	-	-	-	-
SOLAR FY 25	Must Run	1		-	-	-	-	-	-	-	-	-	-
				2,217.21	-	-	1,013.33	4.57	27.49	0.12		1,040.82	4.69
Non-Solar (Renewable)	Must Run	1											
WIND	Must Run	1		950.88	-	-	326.21	3.43	-	-		326.21	3.43
WIND (FY 20)	Must Run	1		-	-	-	-	-	-	-	-	-	-
WIND (FY 21)	Must Run	2		-	-	-	-	-	-	-	-	-	-
WIND (FY 22)	Must Run	2		-	-	-	-	-	-	-	-	-	-
Biomass Existing	Must Run	2		-	-	-	-	-	-	-	-	-	-
Biomass FY 20				-	-	-	-	-	-	-	-	-	-
MSW FY 21				-	-	-	-	-	-	-	-	-	-
Slop based power project													
Sub-Total				950.88	-	-	326.21					326.21	
NVFN Thermal				677.59	-	-	310.99	4.59	24.11	0.36		335.10	4.95
NVFN Solar				492.03	-	-	180.74	3.67	9.88	0.20		190.62	3.87
OTHER SOURCES													
UI Charges				-169.93	-	-	191.40		1.44			192.84	-11.35
Reactive Energy Charges				-	-	-	-	-	7.09			7.09	-
OA				1,717.56	-	-	917.48		13.77			931.25	5.42
Fwd/Rev Banking				-	-	-	-	-	51.90			51.90	-
IEX Purchase				1,140.29	-	-	498.95		0.04			498.99	4.38
IEX sale				1,097.37	-	-	292.76		-			292.76	2.67
Sub Total				1,590.54	-	-	1,315.07		74.23			1,389.31	8.73
PTC Unverified Power Purchase									116.21			116.21	
REC													
UI Charges													
Open Access Charges													
Banking													
PGCIL Charges				-	-	-	-	-				-	-
WUPPTCL Charges				-	-	-	-	-				-	-
SEUPPTCL Charges				-	-	-	-	-				-	-
Reactive Energy Charges				-	-	-	-	-				-	-
Case-I Transmission Charges				-	-	-	-	-				-	-
Any other charges													
STU Charges				-	-	-	-	-				-	-
Transmission Charges				-	-	-	-	-	5,390.84			5,390.84	-
Less													
Late Payment Surcharge				-	-	-	-	-				-	-
Grand Total				118,140.93	17,953.14	1.52	28,936.73	2.45	7,443.81	0.63	-	54,333.68	4.60

* - includes Arrears in variable Charges

Note:- 1. Information to be provided for True-Up year, APR year & for each year of the Control Period

2. The above model should be able to give the MOD table based on F13B & value filled in C4 cell.

3. Revenue details to be submitted should be linked in excel sheet.

Form No: F13D
 Name of Distribution Licensee
 Summary of Power Purchase Cost

1	2	3	34	35	36	37	38	39	40	41	42	43
FY 2020-21												
Generating Stations	Must Run / Merit	Plant Type	Units (MU)	Fixed Charges (Rs.Crore)	Per Unit Fixed Charges (Rs. kWh)	Energy/ Variable Charges (Rs.Crore)	Per Unit EC/VC (Rs. kWh)	Other Cost (Rs.Crore)	Per Unit Other Cost (Rs./kWh)	Late payment Surcharge (Rs. Crore)	Total Cost (Rs. Crore)	Per Unit Total Cost (Rs. /kWh)
Long term Sources												
Power procured from own Generating Stations (if any)												
From State Generating Stations Thermal												
ANPARA-A	Merit	2	3,250.17	258.55	0.80	627.70	1.93	1.10	0.00		887.36	2.73
ANPARA-B	Merit	2	6,914.77	315.42	0.46	1,224.83	1.77	-	-		1,540.25	2.23
PANKI	Merit	2	-	-	-	-	-	-	-		-	-
PARICHHA	Merit	2	-	-	-	-	-	-	-		-	-
PARICHHA EXT.	Merit	2	1,186.20	333.66	2.81	431.32	3.64	-	-		764.98	6.45
OBRA-A	Merit	2	-	-	-	-	-	-	-		-	-
OBRA-B	Merit	2	3,854.64	309.07	0.80	927.02	2.40	-	-		1,236.09	3.21
HARDUAGANJ	Merit	2	9.93	36.15	36.41	3.67	3.70	-	-		39.82	40.10
HARDUAGANJ EXT.	Merit	2	2,087.86	532.38	2.55	725.66	3.48	-	-		1,258.04	6.03
PARICHHA EXT. STAGE-II	Merit	2	1,792.42	486.27	2.71	648.63	3.62	-	-		1,134.90	6.33
ANPARA-D	Merit	2	3,082.88	508.94	1.65	556.78	1.81	-	-		1,065.71	3.46
Panki Extension	Merit	2	-	-	-	-	-	-	-		-	-
HARDUAGANJ EXT. Stage II	Merit	2	-	-	-	-	-	-	-		-	-
OBRA-C	Merit	2	-	-	-	-	-	-	-		-	-
Jawaharpur	Merit	2	-	-	-	-	-	-	-		-	-
UPRVUNL Consolidated								47.86	-		47.86	-
Sub-Total			22,178.87	2,780.44	1.25	5,145.61	2.32	48.96	0.02		7,975.01	3.60
From State Generating Stations Hydro												
RIHAND	Must Run	2	685.87	16.51	0.24	70.09	1.02	22.51	0.33		109.12	1.59
OBRA (H)	Must Run	2	345.83	8.92	0.26	23.73	0.69	0.51	0.01		33.15	0.96
MATATILA	Must Run	2	67.15	2.69	0.40	4.58	0.68	0.00	0.00		7.27	1.08
KHARA	Must Run	2	283.24	11.99	0.42	13.12	0.46	0.34	0.01		25.45	0.90
UGC	Must Run	2	25.09	-	-	7.10	2.83	-	-		7.10	2.83
SHEETLA	Must Run	2	2.49	-	-	0.48	1.92	-	-		0.48	1.92
BELKA	Must Run	2	3.13	-	-	0.58	1.86	-	-		0.58	1.86
BABAIL	Must Run	2	0.30	-	-	0.04	1.41	0.23	7.66		0.27	9.07
Sub-Total			1,413.10	40.11	0.28	119.72	0.85	23.59	0.17		183.43	1.30
From Central Sector Generating Stations												
Thermal (NTPC)												
ANTA GPS	Merit	1	232.18	54.35	2.34	99.38	4.28	0.43	0.02		154.16	6.64
AURAIYA GPS	Merit	2	373.04	108.38	2.91	157.00	4.21	9.56	0.26		274.95	7.37
DADRI GPS	Merit	2	846.94	115.11	1.36	310.92	3.67	12.24	0.14		438.26	5.17
JHANOR GPS	Merit	1	1.92	0.19	0.96	0.39	2.04	-	-		0.58	3.01
KAWAS GPS	Merit	1	2.00	0.15	0.76	0.40	2.02	-0.00	-0.00		0.56	2.78
TANDA TPS	Merit	2	1,250.40	366.51	2.93	401.31	3.21	29.75	0.24		797.57	6.38
FGUTPS-1	Merit	2	737.89	185.08	2.51	231.90	3.14	18.40	0.25		435.38	5.90
FGUTPS-2	Merit	2	399.11	93.17	2.33	127.63	3.20	13.28	0.33		234.08	5.87
FGUTPS-3	Merit	2	268.40	61.36	2.29	86.26	3.21	9.29	0.35		156.91	5.85
FGUTPS-4	Merit	2	958.98	253.68	2.65	291.69	3.04	23.96	0.25		569.33	5.94
FSTPS	Merit	1	210.04	19.04	0.91	57.01	2.71	1.47	0.07		77.53	3.69
KHTPS-1	Merit	1	349.41	52.20	1.49	78.88	2.26	0.28	0.01		131.37	3.76
KHTPS-2	Merit	1	934.15	155.57	1.67	200.36	2.14	3.30	0.04		359.23	3.85
NCTPS-1	Merit	1	245.41	55.70	2.27	82.49	3.36	1.16	0.05		139.34	5.68
NCTPS-2	Merit	1	262.05	117.23	4.47	92.45	3.53	6.93	0.26		216.62	8.27
RIHAND-1	Merit	2	1,988.76	186.30	0.94	280.55	1.41	0.51	0.00		467.36	2.35
RIHAND-2	Merit	2	2,306.32	156.75	0.68	324.32	1.41	7.70	0.03		488.77	2.12

Form No: F13D
Name of Distribution Licensee

Summary of Power Purchase Cost

		2	3	34	35	36	37	38	39	40	41	42	43
RIHAND-3	Merit	2	2,632.78	343.07	1.30	365.52	1.39	14.78	0.06		723.37	2.75	
SINGRAULI	Merit	1	4,751.38	352.81	0.74	669.96	1.41	-	-		1,022.77	2.15	
KORBA-I STPS	Merit	1	17.95	1.21	0.68	2.50	1.39	0.01	0.01		3.73	2.08	
KORBA-III STPS	Merit	1	9.53	1.25	1.31	1.31	1.37	0.03	0.03		2.58	2.71	
MAUDA-I STPS	Merit	1	3.91	3.44	8.80	1.11	2.85	0.17	0.43		4.72	12.08	
MAUDA-II STPS	Merit	1	10.12	4.29	4.24	2.96	2.92	0.12	0.12		7.37	7.28	
SOLAPUR TPS	Merit	1	2.91	4.18	14.35	0.84	2.88	0.02	0.06		5.04	17.29	
SIPAT-I	Merit	1	33.64	4.58	1.36	4.80	1.43	0.04	0.01		9.41	2.80	
SIPAT-II STPS	Merit	1	11.58	1.48	1.28	1.71	1.47	0.01	0.01		3.20	2.76	
VINDHYACHAL-I STPS	Merit	1	16.53	1.54	0.93	2.76	1.67	-	-		4.31	2.60	
VINDHYACHAL-II STPS	Merit	1	12.05	0.93	0.78	1.94	1.61	0.00	0.00		2.88	2.39	
VINDHYACHAL-III STPS	Merit	1	13.20	1.48	1.12	2.11	1.60	-0.06	-0.05		3.52	2.67	
VINDHYACHAL-IV STPS	Merit	1	16.92	2.94	1.74	2.68	1.58	0.01	0.01		5.63	3.33	
VINDHYACHAL-V STPS	Merit	1	9.22	1.69	1.83	1.51	1.63	-0.03	-0.03		3.17	3.43	
Tanda II	Merit	2	2,497.86	543.25	2.17	630.60	2.52	17.06	0.07		1,190.91	4.77	
Indira Gandhi STPS, Jhajjar	Merit	1	227.36	25.04	1.10	80.74	3.55	0.36	0.02		106.14	4.67	
URS Power	Merit	1											
SINGRAULI STAGE III	Merit	1	6.24	3.36	5.39	1.57	2.51	0.05	0.08		4.98	7.98	
Indira Gandhi STPS, Jhajjar	Merit	1	14.82	4.22	2.85	3.15	2.13	-0.00	-0.00		7.37	4.98	
GADARWARA STPS-I	Merit	1	10.61	4.50	4.24	2.96	2.79	0.00	0.00		7.47	7.04	
LARA STPS-I			-	-	-	-	-	-97.79	-		-	-97.79	-
KHARGONE STPS													
NTPC Consolidated													
Sub-Total			21,665.62	3,286.03	1.52	4,603.68	2.12	73.05	0.03	-	7,962.76	3.68	
NPCIL													
KAPS	Must Run	1	5.50	-	-	1.30	2.36	0.04	0.07		1.34	2.43	
NAPP	Must Run	1	1,133.91	-	-	344.63	3.04	2.20	0.02		346.82	3.06	
TAPP-3 & 4	Must Run	1	16.80	-	-	5.51	3.28	1.78	1.06		7.29	4.34	
RAPP-3 & 4	Must Run	1	518.63	-	-	172.58	3.33	-0.44	-0.01		172.14	3.32	
RAPP-5 & 6	Must Run	1	787.18	-	-	306.32	3.89	-	-		306.32	3.89	
Sub-Total			2,462.01	-	-	830.33	3.58	1.15	-	-	833.92	3.39	
Hydro (NHPC)													
SALAL	Must Run	1	249.86	18.85	0.75	16.53	0.66	35.45	1.42		70.84	2.84	
TANAKPUR	Must Run	1	88.52	20.35	2.30	14.30	1.61	0.01	0.00		34.66	3.92	
CHAMERA-I	Must Run	1	492.88	39.44	0.80	58.32	1.18	-0.08	-0.00		97.67	1.98	
URI	Must Run	1	616.26	50.70	0.82	52.29	0.85	-0.06	-0.00		102.93	1.67	
CHAMERA-II	Must Run	1	173.04	15.10	0.87	20.20	1.17	0.04	0.00		35.34	2.04	
DHAULGANGA	Must Run	1	290.51	38.86	1.34	37.91	1.31	0.03	0.00		76.81	2.64	
DULHASTI	Must Run	1	591.22	138.03	2.33	158.64	2.68	0.05	0.00		296.72	5.02	
SEWA-II	Must Run	1	143.08	38.56	2.70	39.84	2.78	-0.00	-0.00		78.39	5.48	
CHAMERA-III	Must Run	1	245.17	49.06	2.00	46.99	1.92	0.03	0.00		96.08	3.92	
URI-II	Must Run	1	379.33	67.64	1.78	65.07	1.72	-0.09	-0.00		132.63	3.50	
PARBATI-III	Must Run	1	155.75	66.66	4.28	27.00	1.73	0.06	0.00		93.73	6.02	
KISHANGANGA	Must Run	1	445.16	84.14	1.89	94.76	2.13	0.08	0.00		178.98	4.02	
PARBATI-II	Must Run	1	-	-	-	-	-	-	-		-	-	
SUBANSIRI LOWER	Must Run	1	-	-	-	-	-	-	-		-	-	
PAKALDUL	Must Run	1	-	-	-	-	-	-	-		-	-	
NHPC Consolidated								175.28	-		175.28	-	
Sub-Total			3,870.79	627.41	1.62	631.84	1.63	210.80	0.54	-	1,470.04	3.80	
HYDRO (NTPC)													
KOLDAM HPS	Must Run	1	677.69	183.94	2.71	159.65	2.36	-	-		343.59	5.07	
TAPOVAN VISHNUGARH	Must Run	1	-	-	-	-	-	-	-		-	-	
LATA TAPOVAN HEP	Must Run	1	-	-	-	-	-	-	-		-	-	
SINGRAULI SHPS	Must Run	1	8.82	-	-	4.44	5.04	-	-		4.44	5.04	
Sub-Total			686.51	183.94	2.68	164.10	2.39	-	-	-	348.04	5.07	
HYDRO													
TEHRI	Must Run	1	1,200.27	265.15	2.21	252.56	2.10	59.41	0.49		577.12	4.81	

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3	34	35	36	37	38	39	40	41	42	43
KOTESHWAR	Must Run	1	492.22	117.79	2.39	105.83	2.15	-4.90	-0.10		218.72	4.44
Dhukwan SHP- THDC	Must Run	1	50.98	-	-	24.83	4.87	-	-		24.83	4.87
VISHNUGARH PIPAL KOTHI	Must Run	1	-	-	-	-	-	-	-		-	-
Thermal												
KHURJA STPP	Merit	2	-	-	-	-	-	-	-		-	-
Sub-Total			1,743.47	382.94		383.21		54.51	0.40		820.66	4.71
SJVN												
RAMPUR	Must Run	1	323.93	77.28	2.39	54.84	1.69	164.42	5.08		296.54	9.15
NATHPA JHAKRI	Must Run	1	1,246.06	158.90	1.28	108.51	0.87	10.27	0.08		277.68	2.23
Sub-Total			1,569.99	236.18		163.35		174.68	5.16		574.22	3.66
NEEPCO												
Kameng HEP	Must Run	1	103.04	-	-	41.22	4.00	0.02	0.00		41.25	4.00
IPP/JV												
HYDRO												
TALA	Must Run	1	149.44	-	-	32.28	2.16	0.01	0.00		32.29	2.16
VISHNU PRAYAG	Must Run	1	1,584.29	24.48	0.15	171.55	1.08	-33.56	-0.21		162.47	1.03
KARCHAM	Must Run	1	865.31	179.51	2.07	114.82	1.33	99.35	1.15		393.68	4.55
TEESTA-III	Must Run	1	881.37	328.28	3.72	190.69	2.16	9.72	0.11		528.69	6.00
SRI NAGAR HEP			1,308.80	373.06	2.85	308.01	2.35	-	-		681.06	5.20
Rajghat Hydro	Merit	2	-	-	-	-	-	-	-		-	-
Hydro (Competitive Bidding)	Merit	2	-	-	-	-	-	-	-		-	-
Thermal												
Meja Thermal Power Plant	Merit	2	1,836.67	651.52	3.55	468.21	2.55	-10.80	-0.06		1,108.93	6.04
LANCO	Merit	2	7,141.18	563.65	0.79	1,384.80	1.94	300.77	0.42		2,249.22	3.15
BEPL BARKHERA	Merit	2	147.33	108.60	7.37	51.01	3.46	70.08	4.76		229.69	15.59
BEPL KHAMBHAKHERA	Merit	2	148.36	111.59	7.52	50.83	3.43	0.03	0.00		162.46	10.95
BEPL KUNDRAKHI	Merit	2	193.76	114.46	5.91	60.32	3.11	0.03	0.00		174.81	9.02
BEPL MADSOODAPUR	Merit	1	154.05	111.82	7.26	51.63	3.35	0.03	0.00		163.48	10.61
BEPL UTRAULA	Merit	2	212.01	113.70	5.36	70.94	3.35	0.03	0.00		184.67	8.71
KSK MAHANADI	Merit	1	5,084.61	1,467.61	2.89	1,484.48	2.92	-92.97	-0.18		2,859.12	5.62
LALTPUR	Merit	2	6,343.58	3,151.81	4.97	1,900.25	3.00	281.47	0.44		5,333.53	8.41
M.B.POWER	Merit	1	2,108.48	600.88	2.85	411.10	1.95	1,049.89	4.98		2,061.87	9.78
PRAYAGRAJ POWER	Merit	2	8,728.02	1,407.44	1.61	2,371.15	2.72	-7.40	-0.01		3,771.19	4.32
R.K.M.POWER	Merit	1	2,336.65	609.89	2.61	442.32	1.89	52.16	0.22		1,104.37	4.73
ROSA-1&2	Merit	1	6,125.35	1,163.64	1.90	1,584.96	2.59	269.54	0.44		3,018.14	4.93
SASAN	Merit	2	3,792.91	50.76	0.13	406.03	1.07	79.32	0.21		536.11	1.41
TRN ENERGY	Merit	1	1,464.07	242.25	1.65	228.42	1.56	456.73	3.12		927.41	6.33
NABINAGAR POWER PROJECT	Merit	1	379.87	133.51	3.51	79.26	2.09	-8.43	-0.22		204.34	5.38
APCPL	Merit	1										
Ghatampur	Merit	2										
Sub-Total			50,986.11	11,508.46	2.26	11,863.07	2.33	2,516.01	0.49		25,887.54	5.08
Total			106,679.50	19,045.51	1.79	23,946.14	2.24	3,105.21	0.29		46,096.85	4.32
Medium term Sources												
Short term Sources			-	-	-	-	-	-	-		-	-
Medium term Sources			-	-	-	-	-	-	-		-	-
Cogen/ Captive												
Bagasse/Cogen/ CPP 1	Must Run	2	-	-	-	-	-	-	-		-	-
Bagasse/Cogen/ CPP 2	Must Run	2	-	-	-	-	-	-	-		-	-
Cogen/ Captive			2,357.57	-	-	797.15	3.38	-8.95	-0.04		788.20	3.34
Bilateral & Others (Power purchased through Trading)			-	-	-	-	-	-	-		-	-
Solar (Existing)	Must Run	1	-	-	-	-	-	-	-		-	-

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

	1	2	3	34	35	36	37	38	39	40	41	42	43
Solar (FY 20)	Must Run	1	-	-	-	-	-	-	-	-	-	-	-
Solar (FY 21)	Must Run	1	-	-	-	-	-	-	-	-	-	-	-
Solar (FY 22)	Must Run	1	-	-	-	-	-	-	-	-	-	-	-
Solar (FY 23)	Must Run	1	-	-	-	-	-	-	-	-	-	-	-
SOLAR FY (24)	Must Run	1	-	-	-	-	-	-	-	-	-	-	-
SOLAR FY 25	Must Run	1	-	-	-	-	-	-	0.15	-	-	0.15	-
			3,206.71	-	-	-	1,266.90	3.95	-	-	-	1,266.90	3.95
Non-Solar (Renewable)	Must Run	1											
WIND	Must Run	1	1,502.98	-	-	506.41	3.37	-	-	-	-	506.41	3.37
WIND (FY 20)	Must Run	1	-	-	-	-	-	-	-	-	-	-	-
WIND (FY 21)	Must Run	2	-	-	-	-	-	-	-	-	-	-	-
WIND (FY 22)	Must Run	2	-	-	-	-	-	-	-	-	-	-	-
Biomass Existing	Must Run	2	-	-	-	-	-	-	-	-	-	-	-
Biomass FY 20			-	-	-	-	-	-	-	-	-	-	-
MSW FY 21			-	-	-	-	-	-	-	-	-	-	-
Slop based power project			-	-	-	-	-	0.05	-	-	-	0.05	-
Sub-Total			1,502.98	-	-	506.41	3.37	0.05	0.00	-	-	506.46	3.37
NVWN Thermal			772.14	-	-	234.02	3.03	8.24	0.11	-	-	242.26	3.14
NVWN Solar			291.89	-	-	204.59	7.01	6.61	0.23	-	-	211.20	7.24
OTHER SOURCES													
UI Charges													
Reactive Energy Charges													
OA													
Fwd/Rev Banking													
IEEX Purchase													
IEEX sale													
Sub Total													
PTC Unverified Power Purchase													
REC			-	-	-	-	-	-	-	-	-	-	-
UI Charges													
Open Access Charges													
Banking													
PGCIL Charges												-	-
WUPPTCL Charges												-	-
SEUPPTCL Charges												-	-
Reactive Energy Charges												-	-
Case-I Transmission Charges												-	-
Any other charges												-	-
STU Charges												-	-
Transmission Charges									5,122.21			5,122.21	
Less													
Late Payment Surcharge													
Grand Total			114,810.80	19,045.51	1.66	26,955.21	2.35	8,233.38	0.25	-	-	54,234.09	4.72

* - includes Arrears in variable Charges

- Note:- 1. Information to be provided for True-up year, APR year & for each year of th
 2. The above model should be able to give the MOD table based on F13B & value fille
 3. Revenue details to be submitted should be linked in excel sheet.

Form No: F13D
Name of Distribution Licensee
Summary of Power Purchase Cost

1	2	3	44	45	46	47	48	49	50	51	52
FY 2021-22											
Generating Stations	Must Run / Merit	Plant Type	Units (MU)	Fixed Charges (Rs.Crore)	Per Unit FC (Rs. /kWh)	Energy/ Variable Charges (Rs.Crore)	Per Unit EC/VC (Rs. kWh)	Other Cost (Rs.Crore)	Per Unit Other Cost (Rs. /kWh)	Total Cost (Rs. Crore)	Per Unit Total Cost (Rs. /kWh)
Long term Sources											
Power procured from own Generating Stations (if any)											
From State Generating Stations Thermal											
ANPARA-A	Merit	2	3,622.72	401.14	1.11	730.39	2.02			1,131.53	3.12
ANPARA-B	Merit	2	6,797.77	402.34	0.59	1,246.54	1.83			1,648.87	2.43
PANKI	Merit	2									
PARICHHA	Merit	2									
PARICHHA EXT.	Merit	2	-	436.03	-	-	-			436.03	-
OBRA-A	Merit	2									
OBRA-B	Merit	2	-	320.49	-	-	-			320.49	-
HARDUAGANJ	Merit	2	-	103.21	-	-	-			103.21	-
HARDUAGANJ EXT.	Merit	2	535.23	695.72	13.00	190.60	3.56			886.32	16.56
PARICHHA EXT. STAGE-II	Merit	2	226.21	651.82	28.81	84.24	3.72			736.05	32.54
ANPARA-D	Merit	2	4,541.67	1,422.78	3.13	832.05	1.83			2,254.83	4.96
Panki Extension	Merit	2	-	-	-	-	-			-	-
HARDUAGANJ EXT. Stage II	Merit	2	73.30	788.66	107.59	23.46	3.20			812.12	110.79
OBRA-C	Merit	2	-	-	-	-	-			-	-
Jawaharpur	Merit	2	-	-	-	-	-			-	-
UPRVUNL Consolidated											
Sub-Total			15,796.90	5,222.18		3,107.27				8,329.45	
From State Generating Stations Hydro											
RIHAND	Must Run	2	462.54	42.93	0.93	55.15	1.19			98.08	2.12
OBRA (H)	Must Run	2	217.07	10.37	0.48	17.09	0.79			27.45	1.26
MATATILA	Must Run	2	59.57	2.96	0.50	4.80	0.81			7.76	1.30
KHARA	Must Run	2	243.64	13.57	0.56	12.01	0.49			25.58	1.05
UGC	Must Run	2	21.84	-	-	6.31	2.89			6.31	2.89
SHEETLA	Must Run	2	2.23	-	-	0.48	2.13			0.48	2.13
BEIKA	Must Run	2	1.91	-	-	0.34	1.77			0.34	1.77
BABAIL	Must Run	2	1.33	0.25	1.91	0.60	4.54			0.86	6.46
Sub-Total			1,010.12	70.08	0.69	96.77				166.85	1.65
From Central Sector Generating Stations											
Thermal (NTPC)											
ANTA GPS	Merit	1	-	76.22	-	-	-			76.22	-
AURAIYA GPS	Merit	2	-	149.53	-	-	-			149.53	-
DADRI GPS	Merit	2	63.85	159.36	24.96	24.36	3.82			183.72	28.77
JHANOR GPS	Merit	1	-	-	-	-	-			-	-
KAWAS GPS	Merit	1	-	-	-	-	-			-	-
TANDA TPS	Merit	2	537.43	483.48	9.00	176.34	3.28			659.82	12.28
FGUTPS-1	Merit	2	754.55	245.37	3.25	235.36	3.12			480.73	6.37
FGUTPS-2	Merit	2	356.38	123.29	3.46	112.49	3.16			235.78	6.62
FGUTPS-3	Merit	2	118.29	81.20	6.86	37.92	3.21			119.12	10.07
FGUTPS-4	Merit	2	735.13	284.06	3.86	222.98	3.03			507.04	6.90
FSTPS	Merit	1	-	-	-	-	-			-	-
KHTPS-1	Merit	1	-	-	-	-	-			-	-
KHTPS-2	Merit	1	1,605.38	252.69	1.57	349.97	2.18			602.66	3.75
NCTPS-1	Merit	1	90.61	73.81	8.15	30.96	3.42			104.77	11.56
NCTPS-2	Merit	1	153.94	155.43	10.10	54.61	3.55			210.04	13.64
RIHAND-1	Merit	2	2,399.59	263.82	1.10	351.32	1.46			615.15	2.56
RIHAND-2	Merit	2	2,208.96	205.18	0.93	321.47	1.46			526.65	2.38

Form No: F13D
Name of Distribution Licensee

Summary of Power Purchase Cost

	1	2	3	44	45	46	47	48	49	50	51	52
RIHAND-3	Merit	2		2,604.75	413.44	1.59	374.14	1.44			787.58	3.02
SINGRAULI	Merit	1		5,634.07	469.37	0.83	818.36	1.45			1,287.73	2.29
KORBA-I STPS	Merit	1		-	-	-	-	-			-	-
KORBA-III STPS	Merit	1		-	-	-	-	-			-	-
MAUDA-I STPS	Merit	1		-	-	-	-	-			-	-
MAUDA-II STPS	Merit	1		-	-	-	-	-			-	-
SOLAPUR TPS	Merit	1		-	-	-	-	-			-	-
SIPAT-I	Merit	1		-	-	-	-	-			-	-
SIPAT-II STPS	Merit	1		-	-	-	-	-			-	-
VINDHYACHAL-I STPS	Merit	1		-	-	-	-	-			-	-
VINDHYACHAL-II STPS	Merit	1		-	-	-	-	-			-	-
VINDHYACHAL-III STPS	Merit	1		-	-	-	-	-			-	-
VINDHYACHAL-IV STPS	Merit	1		-	-	-	-	-			-	-
VINDHYACHAL-V STPS	Merit	1		-	-	-	-	-			-	-
Tanda II	Merit	2		6,621.04	1,127.37	1.70	1,727.52	2.61			2,854.89	4.31
Indira Gandhi STPS, Jhajjar	Merit	1		-	-	-	-	-			-	-
URS Power	Merit	1		-	41.82	-	-	-			41.82	-
SINGRAULI STAGE III	Merit	1		-	-	-	-	-			-	-
Indira Gandhi STPS, Jhajjar	Merit	1		-	-	-	-	-			-	-
GADARWARA STPS-I	Merit	1		-	-	-	-	-			-	-
LARA STPS-I												
KHARGONE STPS												
NTPC Consolidated												
Sub-Total				23,883.97	4,605.45		4,837.80				9,443.26	114.54
NPCIL												
KAPS	Must Run	1		-	-	-	-	-			-	-
NAPP	Must Run	1		1,130.24	-	-	346.88	3.07			346.88	3.07
TAPP-3 & 4	Must Run	1		-	-	-	-	-			-	-
RAPP-3 & 4	Must Run	1		528.56	-	-	177.08	3.35			177.08	3.35
RAPP-5 & 6	Must Run	1		827.27	-	-	325.18	3.93			325.18	3.93
Sub-Total				2,486.07			849.14				849.14	
Hydro (NHPC)												
SALAL	Must Run	1		232.40	23.90	1.03	15.86	0.68			39.76	1.71
TANAKPUR	Must Run	1		75.97	26.60	3.50	13.03	1.72			39.63	5.22
CHAMERA-I	Must Run	1		485.86	54.96	1.13	58.99	1.21			113.95	2.35
URI	Must Run	1		576.84	70.22	1.22	50.51	0.88			120.74	2.09
CHAMERA-II	Must Run	1		380.54	54.19	1.42	46.73	1.23			100.91	2.65
DHAULIGANGA	Must Run	1		274.77	45.14	1.64	36.82	1.34			81.96	2.98
DULHASTI	Must Run	1		595.40	180.40	3.03	169.56	2.85			349.96	5.88
SEWA-II	Must Run	1		145.23	49.86	3.43	39.22	2.70			89.09	6.13
CHAMERA-III	Must Run	1		249.94	81.63	3.27	53.16	2.13			134.79	5.39
URI-I	Must Run	1		353.70	135.30	3.83	79.75	2.25			215.05	6.08
PARBATHI-III	Must Run	1		160.66	121.16	7.54	28.62	1.78			149.78	9.32
KISHANGANGA	Must Run	1		382.85	238.70	6.23	83.50	2.18			322.19	8.42
PARBATHI-II	Must Run	1		126.19	58.65	4.65	32.50	2.58			91.15	7.22
SUBANSIRI LOWER	Must Run	1		893.23	-	-	230.04	2.58			230.04	2.58
PAKALDUL	Must Run	1		983.55	-	-	253.30	2.58			253.30	2.58
NHPC Consolidated												
Sub-Total				5,917.11	1,140.71		1,191.59				2,332.30	
HYDRO (NTPC)												
KOLDAM HPS	Must Run	1		664.44	227.52	3.42	166.18	2.50			393.70	5.93
TAPOVAN VISHNUGARH	Must Run	1		-	-	-	-	-			-	-
LATA TAPOVAN HEP	Must Run	1		-	-	-	-	-			-	-
SINGRAULI SHPS	Must Run	1		6.07	-	-	3.12	5.14			3.12	5.14
Sub-Total				670.51	227.52		169.30				396.82	
HYDRO												
TEHRI	Must Run	1		1,246.41	428.84	3.44	261.76	2.10			690.60	5.54

Form No: F13D
Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3	44	45	46	47	48	49	50	51	52
KOTESHWAR	Must Run	1	511.39	136.21	2.66	118.90	2.33			255.12	4.99
Dhukwan SHP- THDC	Must Run	1	119.22	-	-	59.22	4.97			59.22	4.97
VISHNUGARH PIPAL KOTHI	Must Run	1	-	-	-	-	-			-	-
Thermal											
KHURJA STPP	Merit	2	-	-	-	-	-			-	-
Sub-Total			1,877.02	565.05		439.89				1,004.93	
SJVN											
RAMPUR	Must Run	1	327.22	82.31	2.52	53.31	1.63			135.63	4.14
NATHPA JHAKRI	Must Run	1	1,144.29	213.49	1.87	92.38	0.81			305.87	2.67
Sub-Total			1,471.50	295.80		145.70				441.50	
NEEPCO											
Kameng HEP	Must Run	1	270.48	-	-	110.37	4.08			110.37	4.08
IPP/JV											
HYDRO											
TALA	Must Run	1	-	-	-	-	-			-	-
VISHNU PRAYAG	Must Run	1	1,724.05	29.67	0.17	187.41	1.09			217.07	1.26
KARCHAM	Must Run	1	816.18	186.22	2.28	111.36	1.36			297.58	3.65
TEESTA-III	Must Run	1	786.46	227.03	2.89	180.05	2.29			407.08	5.18
SRI NAGAR HEP			1,189.65	424.42	3.57	301.25	2.53			725.68	6.10
Rajghat Hydro	Merit	2	77.84	20.43	2.63	20.05	2.58			40.48	5.20
Hydro (Competitive Bidding)	Merit	2	1,297.05	299.33	2.31	425.14	3.28			724.47	5.59
Thermal											
Meja Thermal Power Plant	Merit	2	7,312.60	1,245.13	1.70	1,901.42	2.60			3,146.55	4.30
LANCO	Merit	2	7,087.69	853.56	1.20	1,422.68	2.01			2,276.24	3.21
BEPL BARKHERA	Merit	2	66.80	144.66	21.66	23.44	3.51			168.10	25.17
BEPL KHAMBHAKHERA	Merit	2	68.94	146.19	21.20	24.11	3.50			170.30	24.70
BEPL KUNDRAKHI	Merit	2	100.22	145.54	14.52	32.11	3.20			177.65	17.73
BEPL MAQSOODAPUR	Merit	1	66.76	145.19	21.75	22.54	3.38			167.73	25.13
BEPL UTRAULA	Merit	2	70.12	149.70	21.35	23.86	3.40			173.56	24.75
KSK MAHANADI	Merit	1	1,583.99	1,047.66	6.61	476.69	3.01			1,524.35	9.62
LALITPUR	Merit	2	4,611.06	4,073.53	8.83	1,404.60	3.05			5,478.13	11.88
M.B.POWER	Merit	1	2,431.10	899.11	3.70	484.21	1.99			1,383.32	5.69
PRAYAGRAJ POWER	Merit	2	5,238.44	1,168.60	2.23	1,487.45	2.84			2,656.05	5.07
R.K.M.POWER	Merit	1	1,588.57	550.01	3.46	305.51	1.92			855.52	5.39
ROSA-1&2	Merit	1	6,235.65	1,658.89	2.66	1,595.72	2.56			3,254.61	5.22
SASAN	Merit	2	3,624.68	72.53	0.20	385.81	1.06			458.34	1.26
TRIN ENERGY	Merit	1	2,229.56	521.10	2.34	350.07	1.57			871.17	3.91
NABINAGAR POWER PROJECT	Merit	1	977.87	166.50	1.70	208.34	2.13			374.84	3.83
APCPL	Merit	1									
Ghatampur	Merit	2	-	279.32	-	-	-			279.32	-
Sub-Total			49,185.28	14,454.32		11,373.81				25,828.12	
Total			102,568.97	26,581.11	2.59	22,321.63	2.18			48,902.74	4.77
Medium term Sources											
Short term Sources											
Medium term Sources											
Cogen/ Captive											
Bagasse/Cogen/ CPP 1	Must Run	2	6,473.95	-	-	2,081.92	3.22			2,081.92	3.22
Bagasse/Cogen/ CPP 2	Must Run	2	27.50	-	-	8.84	3.22			8.84	3.22
Cogen/ Captive			6,501.45	-	-	2,090.77				2,090.77	
Bilateral & Others (Power purchased trough Trading)											
Solar (Existing)	Must Run	1	3,043.84	-	-	1,428.86	4.69			1,428.86	4.69

Form No: F13D

Name of Distribution Licensee

Summary of Power Purchase Cost

1	2	3	44	45	46	47	48	49	50	51	52
Solar (FY 20)	Must Run	1	-	-	-	-	-	-	-	-	-
Solar (FY 21)	Must Run	1	1,747.62	-	-	524.29	3.00	-	-	524.29	3.00
Solar (FY 22)	Must Run	1	522.28	-	-	156.68	3.00	-	-	156.68	3.00
Solar (FY 23)	Must Run	1	-	-	-	-	-	-	-	-	-
SOLAR FY (24)	Must Run	1	-	-	-	-	-	-	-	-	-
SOLAR FY 25	Must Run	1	-	-	-	-	-	-	-	-	-
			5,313.73	-	-	2,109.83	-	-	-	2,109.83	-
Non-Solar (Renewable)	Must Run	1									
WIND	Must Run	1	438.00	-	-	150.26	3.43	-	-	150.26	3.43
WIND (FY 20)	Must Run	1	963.60	-	-	330.58	3.43	-	-	330.58	3.43
WIND (FY 21)	Must Run	2	3,306.90	-	-	1,134.47	3.43	-	-	1,134.47	3.43
WIND (FY 22)	Must Run	2	416.10	-	-	142.75	3.43	-	-	142.75	3.43
Biomass Existing	Must Run	2	146.73	-	-	95.45	6.51	-	-	95.45	6.51
Biomass FY 20			-	-	-	-	-	-	-	-	-
MSW FY 21			387.63	-	-	294.99	7.61	-	-	294.99	7.61
Slop based power project											
Sub-Total			5,658.96	-	-	2,148.49				2,148.49	
NVVN Thermal											
NVVN Solar											
OTHER SOURCES											
UI Charges											
Reactive Energy Charges											
OA											
Fwd/Rev Banking											
IEX Purchase											
IEX sale											
Sub Total											
PTC Unverified Power Purchase											
REC											
UI Charges											
Open Access Charges											
Banking											
PGCL Charges				3,311.28	-	-	-	-	-	3,311.28	-
WUPPTCL Charges				875.68	-	-	-	-	-	875.68	-
SEUPPTCL Charges				277.50	-	-	-	-	-	277.50	-
Reactive Energy Charges				-	-	-	-	-	-	-	-
Case-I Transmission Charges				2,304.71	-	-	-	-	-	2,304.71	-
Any other charges											
STU Charges											
Transmission Charges											
Less											
Late Payment Surcharge											
Grand Total			120,043.11	33,350.28	2.78	28,670.72	2.39			62,020.99	5.17

* - includes Arrears in variable Charges

Note:- 1. Information to be provided for True-Up year, APR year & for each year of th

2. The above model should be able to give the MOD table based on F13B & value file

3. Revenue details to be submitted should be linked in excel sheet.

Form No: F13E

Name of Distribution Licensee

PPA-wise renewable energy procured

Name of Generator	Location of Plant	Technology	Year of Ppa (DD/MM/YY)	Capacity (MW)*	Contract Duration (Years)	Target CUF as Per PPA#	Applicable e tariff (Rs/Kwh)	Generations (MU)
Akbarpur Chini Mills Ltd.,	Akbarpur	Bagasse	30.05.2005	11	20			
Balrampur Chini Mills Ltd.	Balrampur	Bagasse	10.12.2004	22.25	20			
Balrampur Chini Mills Ltd.,	Gonda (Babhnan)	Bagasse	20.09.2008	12	20			
DCM Sriram Consolidated Ltd.,	Ajbapur, Lakhimpur	Bagasse	05.10.2002	48.5	20			
Haidergarh Chini Mills Ltd.,	Haidergarh	Bagasse	17.05.2003	17.95	20			
Haidergarh Chini Mills Ltd., (SPPA)	Haidergarh	Bagasse	05.07.2007	3	20			
L.H. Suagar Factories Ltd.	PILLIBHIT	Bagasse	03.07.2005	28	20			
L.H. Suagar Factories Ltd.,(SPPA)	PILLIBHIT	Bagasse	09.02.2007	12	20			
Mankapur Chini Mills Ltd.,	Mankapur	Bagasse	10.11.2005	30	20			
Rauzagaon Chini Mills Ltd.,	Rauzagaon	Bagasse	06.02.2007	23	20			
Triveni Engg. & Industries Ltd.,	Saharanpur, Deoband	Bagasse	10.29.2003	16.17	20			
Triveni Engg. & Industries Ltd.,	Khatauli, Muzaffarnagar	Bagasse	30.05.2005	17	20			
Triveni Engg. & Industries Ltd.,	Khatauli, Muzaffarnagar(SPPA)	Bagasse	07.05.2006	17	20			
Kumbhi Sugar Mills Ltd.,	Lakhimpur Kheri	Bagasse	26.08.2006	11	20			
Kumbhi Sugar Mills Ltd., (SPPA)	Lakhimpur Kheri	Bagasse	06.01.2014	12	20			
Gularia Chini Mills Ltd.,	Lakhimpur Kheri	Bagasse	17.08.2006	20	20			
Wave Ind. & Engg. Ltd.,	Noida	Bagasse		23	20			
Mawana Sugar Ltd., Meerut	Meerut	Bagasse	30.05.2006	19	20			
Mawana Sugar Ltd., Naglamal	Naglamal	Bagasse	10.02.2006	11	20			
Mawana Sugar Ltd., Titawi	Titawi	Bagasse	10.02.2006	17	20			
Simbholi Sugar Ltd., Hapur	Hapur	Bagasse	26.04.2007	26	20			
Simbholi Sugar Ltd., Bahraich (Chilwaria)	Bahraich	Bagasse	21.03.2006	19	20			
Simbholi Sugar Ltd., Bahraich (Chilwaria)(SPPA)	Bahraich	Bagasse	13.08.2013	16	20			
Tikaula Sugar Ltd.,	Muzaffarnagar	Bagasse	30.05.2005	10	20			
Avadh Sugar Ltd.,(Oudh) Sitapur Hargoan	Sitapur	Bagasse	30.01.2006	20.4	20			
Rana Sugar Miis Ltd. Rampur Karimganj	Rampur	Bagasse	03.08.2006	27	20			
Rana Sugar Miis Ltd. Belwara Moradbad	Moradbad	Bagasse	03.08.2006	29	20			
Rana Sugar Miis Ltd. Bilari	Bilari	Bagasse	22.06.2015	18	20			
Uttam Sugar Mills, Ltd. Barkatpur, Bijnor	Bijnor	Bagasse	22.08.2007	26	20			
Uttam Sugar Mills, Ltd.Shermau, Saharanpur	Saharanpur	Bagasse	22.08.2007	25	20			
Uttam Sugar Mills, Ltd. Khaikheri, Muzaffarnagar	Muzaffarnagar	Bagasse	22.08.2007	6.5	20			
DCM Sriram Consolidated Ltd, Hariawan, Hardoi	Hardoi	Bagasse	01.03.2006	15	20			

DCM Sriram Consolidated Ltd, Loni, Hardoi	Hardoi	Bagasse	01.03.2006	15	20			
Continental Carbon India Ltd.	Ghaziabad	Bagasse	08.09.2006	10	20			
SBEC Bioenergy Ltd.	Baghpat	Bagasse	08.09.2006	14	20			
Bajaj Hindustan Ltd., Gangnaquli	Gangnaquli	Bagasse	14.06.2006	10	20			
Bajaj Hindustan Ltd., Barkhera	Barkhera	Bagasse	14.06.2006	12	20			
Bajaj Hindustan Ltd., Khambakhera	Khambakhera	Bagasse	14.06.2006	12	20			
Bajaj Hindustan Ltd., Maqsoodapur	Maqsoodapur	Bagasse	22.08.2007	12	20			
Bajaj Hindustan Ltd., Thanabhawn	Thanabhawn	Bagasse	14.06.2006	10	20			
Bajaj Hindustan Ltd., Bilai	Bilai	Bagasse	14.06.2006	10	20			
Bajaj Hindustan Ltd., Paliaklan	Paliaklan	Bagasse	14.06.2006	12	20			
Bajaj Hindustan Ltd., Kinauni	Kinauni	Bagasse	14.06.2006	10	20			
Bajaj Hindustan Ltd., Utraula	Utraula	Bagasse	06.07.2011	12	20			
Bajaj Hindustan Ltd., Budhana	Budhana	Bagasse	14.06.2006	20	20			
Bajaj Hindustan Ltd., Kundrakhhi	Kundrakhhi	Bagasse	27.09.2012	30	20			
Dhampur Sugar Mills Ltd., Sambhal,Asmoli,Dhampur	Sambhal	Bagasse	07.04.2006	30	20			
Dhampur Sugar Mills Ltd., Sambhal,Asmoli,Dhampur	Sambhal	Bagasse	23.05.2012	10	20			
Dhampur Sugar Mills Ltd., Bijnor	Bijnor	Bagasse	07.08.2006	50	20			
Dhampur Sugar Mills Ltd., Bijnor(SPPA)	Bijnor	Bagasse	23.05.2012	10	20			
Dhampur Sugar Mills Ltd., Rajpura,Sambhal	,Sambhal	Bagasse	07.04.2006	40	20			
Parle Biscuits Pvt. Ltd. (Sugar Dn.),	Bahraich	Bagasse	06.02.2006	9.8	20			
Parle Biscuits Pvt. Ltd. (Sugar Dn.),(SPPA)	Bahraich	Bagasse	15.02.2008	10	20			
M/s DCM Sriram Industries Ltd.	AJABPUR	Bagasse	07.04.2006	20	20			
Yedu Sugars Ltd.,	Budaun	Bagasse	09.05.2011	25	20			
Dhampur Sugar Mills Ltd., Bareilly,Meerganj	Bareilly	Bagasse	29.08.2002	12.5	20			
Dhampur Sugar Mills Ltd., Muzaffarnagar,Mansoorpur	Muzaffarnagar	Bagasse	07.04.2006	20	20			
Novel Sugar	PILLIBHIT	Bagasse		7	20			
Kesar Enterprises Ltd.	Bareilly	Bagasse	14.02.2011	32	20			
New India Sugar Mills., (AWADH SUGAR)	AWADH SUGAR	Bagasse	11.05.2007	20	20			
Upper Ganges Sugar & Industries Ltd.(awadh sugar)	Bijnor	Bagasse	30.01.2006	13.5	20			
Triveni Engg. & Industries Ltd.,	Chandpur	Bagasse	25.06.2012	3	20			
Triveni Engg. & Industries Ltd.,	Milak Narayanpur	Bagasse	25.06.2012	5	20			
Triveni Engg. & Industries Ltd.,	Sabitgarh	Bagasse	04.08.2013	6	20			
SKIBIPL (Unit-Hi-Tech)		Bagasse	02.11.2007	10	20			
K.M. Sugar	Faizabad	Bagasse	04.01.2006	20	20			
Dalmia Chini Mills Ltd.,	Jawaharpur	Bagasse	17.12.2005	25	20			
Dalmia Chini Mills Ltd.,	Ramgarh	Bagasse	22.11.2005	25	20			
Dwarikesh Sugar Ind. Ltd.,	Nagina, Bijnor	Bagasse	28.04.2006	7.5	20			

Dwarikesh Sugar Ind. Ltd.,	Dhampur, Bijnor	Bagasse	15.03.2007	24	20			
Dwarikesh Sugar Ind. Ltd.,	Faridpur, Bareilly	Bagasse	17.05.2006	24	20			
Gobind Sugar Mills Ltd.	Lakhimpur Kheri	Bagasse	14.03.2014	22	20			
Superior Food Grain	Shamli	Bagasse	25.07.2015	24	20			
Kisan Sahkari Chini Mill	Azamgarh	Bagasse	01.03.2016	13	20			
M/s The Seksaria Biswan sugar	Biswan	Bagasse	24.12.2016	28	20			
UP state sugar mill	Mohiuddinpur Meerut	Bagasse	11.12.2017	13	20			
M/s Tikaula Sugar Mills	Muzaffarnagar	Bagasse	28.02.2019	6	10			
M/s DSCl Sugar mills Ltd	Dhampur	Bagasse	28.02.2019	21	10			
M/s Oswal Sugar mills Ltd*	bareilly	Bagasse	01.02.2019	3	10			
M/s Ramala Sahakari Chinni Mills*	Baghpat	Bagasse	24.06.2019	24.5	10			
M/s Pipraich Sahakari Chinni Mills*	Gorakhpur	Bagasse	24.06.2019	20.75	10			
M/s Munderwa Sahakari Chinni Mills*	Basti	Bagasse	24.06.2019	20.75	10			
Dalmia Chini Mills Ltd.	Nigohi	Bagasse	05.04.2007	25	20			
M/s Oswal Sugar mills Ltd	Bareilly	Bagasse	25.11.2020	4	10			
M/s Balram Pur Chinni Mills Ltd,Mejapur	Gonda	Bagasse	18.11.2020	5	10			
M/s Govind Sugar Pvt Ltd	Lakhimpur Kheri	Bagasse	28.11.2020	2.94	10			
M/s Daya Sugar Pvt Ltd	Saharanpur	Bagasse	23.11.2020	5	10			
M/s Balram Pur Chinni Mills Ltd,Tulsipur	Balrampur	Bagasse	18.11.2020	2	10			
Ms Spaak bression Pvt Ltd	, Agra	MSW	24.01.2018	14	20			
Ms Eco Green Energy Pvt Ltd	Lucknow	MSW	27.09.2017	13.5	20			
Ms Accord Hydro (SWM)	Barabanki	MSW	14.06.2017	2	20			
Ms Accord Hydro (SWM) Ghazipur	Ghazipur	MSW	14.06.2017	9	20			
Ms Accord Hydro (SWM),	Pilkhuan	MSW	27.09.2017	5.5	20			
M/s Seebry Green Energy Ltd.,	Rampur UP	MSW	17.02.2016	15	20			
Sukhbir Agro Energy Ltd.	Ghazipur	Biomass	29.07.2006	13	20			
India Glycols Ltd.	Gorakhpur	Biomass	23.07.2012	8	20			
Gallant Ispat Limited	Gorakhpur	Biomass	06.03.2018	12.5	20			
Balrampur Chini Mills Limited (Upcomming PPA)	Gularia	Slop		3.5	10			
Avadh Sugar & Energy Limited (Upcomming PPA)	Hargaon	Slop		3.5	10			
Avadh Sugar & Energy Limited (Upcomming PPA)	Seohara	Slop		2	10			
Dwarikesh Sugar Industries Limited (Upcomming PPA)	Bijnor	Slop		2	10			
Dalmia Bharat Sugar And Industries Limited (Upcomming PPA)	Sitapur	Slop		2	10			
DCM Shriram Limited, Distillery (Upcomming PPA)Unit: Ajbapur	Ajbapur	Slop		4	10			
Gobind Sugar Mills Ltd (Upcomming PPA)	Lakhimpur Kheri	Slop		2	10			
The Seksariya Biswan Sugar Factory Ltd., (Upcomming PPA)	Sitapur	Slop		2	10			
Mytrah Energy India Pvt. Ltd.		wind	13.07.2017	100.00	25			

Green infra Wind Energy Ltd.		wind	13.07.2017	99.90	25			
Inox Wind Infrastructure Services Ltd.		wind	13.07.2017	100.00	25			
Ostro Kutch Wind Pvt. Ltd.		wind	13.07.2017	100.00	25			
Adani Green Energy (MP) Ltd.		wind	13.07.2017	40.00	25			
Renew Power Ventures Pvt. Ltd.		wind	24.11.2017	100.00	25			
Inox Wind Infrastructure Services Ltd		wind	24.11.2017	100	25			
SECI *		wind	23.08.2018	700	25			
NTPC *		wind	14.03.2019	350	25			
SECI *		wind	18.06.2019	460	25			
SECI *		wind	01.10.2019	380	25			
Technical Associates Ltd	Barabanki	Solar	14.08.2010	2	12			
Dante Energy Pvt Ltd	Jhansi	Solar	14.08.2010	1	12			
Dhruv Milkose	Jhansi	Solar	14.08.2010	2	12			
Priapus Infrastructure Ltd	Bareilly	Solar	14.08.2010	2	12			
EMC ltd	Naini Distt Allahabad	Solar	07.02.2011	5	12			
Refex Energy(Rajasthan) Pvt.Ltd.	Village Amarpur District Lalitpur	Solar	27.12.2013	10	12			
Azure Surya Pvt. Ltd		Solar	27.12.2013	10	12			
M/s mozer bear clean energy	New Delhi	Solar	27.12.2013	20	12			
DK infracon pvt ltd		Solar	27.12.2013	10	12			
Jakson Power Pvt.Ltd	Lalitpur	Solar	27.12.2013	10	12			
Essel Infra Projects Ltd	MUMBAI	Solar	27.12.2013	50	12			
Jakson Engineers Ltd	Mahoba	Solar	06.04.2015	30	12			
Nirosha Power Ltd	Mahoba	Solar	06.04.2015	30	12			
Universal Saur Urja Ltd	Mahoba	Solar	06.04.2015	30	12			
K.M.Energy Ltd Lucknow	Mahoba	Solar	06.04.2015	5	12			
M/s Sun N Wind Infra Energy Pvt. Ltd.	BARILLY	Solar	06.04.2015	10	12			
Essel Infra Projects Ltd		Solar	02.12.2015	50	12			
M/s Sukhbir Agro Energy Ltd New Delhi		Solar	02.12.2015	10	12			
M/s Aryavaan Renewable Energy Pvt Ltd Secunrabad		Solar	02.12.2015	5	12			
M/s Sukhbir Agro Energy Ltd New Delhi		Solar	02.12.2015	20	12			
M/s Salsaar		Solar	02.12.2015	5	12			
M/s PSPN Energy		Solar	02.12.2015	15	12			
M/s Lohia Developers		Solar	02.12.2015	5	12			
M/s Agarwal Solar Pvt Ltd		Solar	02.12.2015	5	12			
M/s Sukhbir Agro Energy Ltd	New Delhi	Solar	02.12.2015	20	12			
M/s Sahasdhara Pvt Ltd		Solar	02.12.2015	5	12			

Technical Associates, Lucknow (TA Greentech Pvt. Ltd.)		Solar	02.12.2015	10	12		
Adani Green Energy Ltd.		Solar	02.12.2015	50	12		
Pinnacle Air Pvt. Ltd., New Delhi (Pinnacle Renewable Energy Pvt. Ltd.)		Solar	02.12.2015	5	12		
NTPC Bundled Power		Solar	24.09.2016	100	12		
UPNEDA		Solar	24.09.2016	20	12		
M/s Rattan India 2 Pvt Ltd		Solar	10.05.2016	50	12		
M/s Enviro Solaire Pvt Ltd		Solar	10.05.2016	75	12		
UPNEDA		Solar	24.09.2016	5	12		
M/s Azure Venus Pvt Ltd		Solar	04.01.2017	40	12		
M/s Mehrauni I Urja Pvt Ltd		Solar	04.01.2017	40	12		
M/s UP Sarila Urja Pvt Ltd		Solar	04.01.2017	40	12		
M/s Mehrauni II Urja Pvt Ltd		Solar	04.01.2017	40	12		
M/s Karaon Urja Pvt Ltd		Solar	04.01.2017	40	12		
M/s Eden Renewable Jasmin		Solar	21.12.2018	50	25		
Maheswari Mining & Energy Pvt. Ltd.,		Solar	21.12.2018	20	25		
Maheswari Mining & Energy Pvt. Ltd.,		Solar	21.12.2018	20	25		
M/s NTPC		Solar	21.12.2018	140	25		
M/sNTPC		Solar	21.12.2018	20	25		
M/s Sukhbir Agro Energy Ltd., Punjab	Punjab	Solar	21.12.2018	50	25		
M/s Talettutayi Solar Projects	GURUGRAM	Solar	21.12.2018	50	25		
M/s Kilaz Solar Pvt. Ltd.		Solar	24.12.2018	50	25		
M/s Kilaz Solar Pvt. Ltd.		Solar	24.12.2018	50	25		
M/s Avada Non Conventional UP Project Pvt. Ltd.,		Solar	04.01.2019	50	25		
NTPC Limited,	Noida	Solar	11.02.2019	85	25		
Bastili Solar Pvt. Ltd.,	New Delhi	Solar	17.02.2019	70	25		
Bastili Solar Pvt. Ltd.,	New Delhi	Solar	17.02.2019	70	25		
M/s Mahoba Solar UP Pvt. Ltd., Ahmedabad		Solar	12.02.2019	50	25		
Tata Power Renewable Energy Ltd.	Mumbai	Solar	12.02.2019	50	25		
Jackson Power Pvt. Ltd.	Noida	Solar	12.02.2019	50	25		
Tata Power Renewable Energy Ltd.	Mumbai	Solar	12.02.2019	25	25		
Giriraj Renewable Pvt. Ltd., Noida		Solar	13.02.2019	100	25		
Rihand Floating (SECI)	Rihand	Solar	04.09.2019	150	25		
NVVN Bundled Power		Solar	07.02.2011	55	20		
SECI*		Solar	28.03.2018	750	25		
SECI, Pavagada, Karnataka		Solar	15.11.2018	200	25		
NTPC*		Solar	27.02.2020	20	25		

NTPC*		Solar	27.02.2020	20	25			
Sukhbir Agro Energy Pvt. Ltd.*		Solar	27.02.2020	32	25			
UPNEDA Phase IV Bidding under Solar Policy, 2017*		Solar		175	25			
KUSUM Part-I*		Solar		75				
KUSUM Part-II*		Solar		75				
SECI/ UPNEDA Solar Park*		Solar		275				
UMPP*		Solar		600				
M/s THDC	Jhansi	Small Hydro	05.12.2016	24	35			
Salava (M/s B&G Renewable Energy Pvt. Ltd.)	Meerut	Small Hydro	01.02.2017	4.95	35			
Chittora (M/s B&G Renewable Energy Pvt. Ltd.)	Muzaffarnagar	Small Hydro	01.02.2017	6	35			
Nirgajni (M/s B&G Renewable Energy Pvt. Ltd.)	Muzaffarnagar	Small Hydro	01.02.2017	7.7	35			
Belka Jal Vidyut Grah	Saharanpur	Small Hydro	01.04.2009	3	15			
Babail Jal Vidyut Grah	Saharanpur	Small Hydro	01.04.2009	3	15			
Sitala Jal Vidyut Grah	Jhansi	Small Hydro	01.04.2009	3.6	15			
Bhola Jal Vidyut Grah	Meerut	Small Hydro	01.04.2009	3.1	15			
Chitaur Jal Vidyut Grah	Muzaffarnagar	Small Hydro	01.04.2009	3	15			
Nirganji Jal Vidyut Grah	Muzaffarnagar	Small Hydro	01.04.2009	5	15			
Salava Jal Vidyut Grah	Meerut	Small Hydro	01.04.2009	3	15			

Form No: F13F

Name of Distribution Licensee

Renewable Purchase Obligation

Type	Parameter	Nomenclature	Units	FY 2019-20	FY 2020-21	FY 2021-22	
Solar	Gross energy consumption	A	MU	118,141	113,482	120,043	
	Hydro Consumption after FY 2016-17	B	MU	14,185	12,808	12,853	
	Net Energy Consumption	C=A-B	MU	103,956	100,674	107,190	
	RPO Target (Solar)	D	%	2.00%	3.00%	4.00%	
	RPO Target (Solar)	E=C*D	MU	2,079	3,020	4,288	
	Solar Energy Purchased	F	MU	2,398	3,787	5,137	
	Total RPO achieved	G=F/E	%	115.33%	125.39%	119.81%	
	Excess RPO Met Carried Forward	H	MU	319	767	849	
	Shortfall RPO Carried forward	I	MU	-	-	-	
	REC Purchased	J	MU				
	Net Status	K=F+H-I+J	MU	2,717	4,554	5,986	
	Penalties, if any	L	Rs. Crore				
	Non-Solar	Gross energy consumption	A	MU	118,141	113,482	120,043
		Hydro Consumption after FY 2016-17	B	MU	14,185	12,808	12,853
Net Energy Consumption		C=A-B	MU	103,956	100,674	107,190	
RPO Target (Non Solar)		D	%	5.00%	6.00%	6.00%	
RPO Target (Non Solar)		E=C*D	MU	5,198	6,040	6,431	
Non Solar Energy Purchased		F	MU	4,098	9,960	11,960	
Total RPO achieved		G=F/E	%	78.84%	164.88%	185.97%	
Excess RPO Met Carried Forward		H	MU	-	3,919	5,529	
Shortfall RPO Carried forward		I	MU	1,100	-	-	
REC Purchased		J	MU				
Net Status		k=f+H-I+J	MU	2,999	13,879	17,489	
Penalties, if any		L	Rs. Crore				
Hydro Purchase Obligation		Gross Net energy consumption	A	MU	103,956	100,674	107,190
		HPO Target (Hydro)	B	%	1.00%	2.00%	3.00%
		HPO Target (Hydro)	C=A*B	MU	1,040	2,013	3,216
		Hydro Energy Purchased	D	MU	-	69	3,070
		Total HPO achieved	E=D/C	%	0.00%	3.44%	95.47%
		Excess HPO Met Carried Forward	F	MU	-	-	-
		Shortfall HPO Carried forward	G	MU	1,040	1,944	146
		REC Purchased	H	MU			
		Net Status	I=D+F-G+H	MU	(1,040)	(1,875)	2,924
		Penalties, if any	J	Rs. Crore			

Form No: F13G

Name of Distribution Licensee

Details for power procured via competitive bidding

Particulars	Developer 1	Developer 2	Developer 3	Developer 4	Developer 5	Developer 6	Developer 7	Remarks
Name of Developer	M/s RKM Powergen Ltd	M/s KSK Mahanadi Power Co. Ltd	M/s TRN Energy Ltd(Through Trader PTC India Ltd)	M/s MB Power(Madhya Pradesh) Ltd (Through Trader PTC India Ltd)	M/s Prayagraj Power Generation Co. Ltd.	Sasan Power Ltd	Lanco Anpara Power Limited	
PPA Capacity (MW)	75.83	216.67	84.5	78.217	247.2	DVVNL-99 MW	1100 MW	
Plant Location	Janjgir-Champa Distt., Chhattisgarh	Akaltara Tehsil, Janjgir-Champa district, Chhattisgarh	Raigarh Dist, Chhattisgarh	Annupur, Madhya Pradesh	Bara, Dist. Allahabad, UP	Sasan Dist-SIDHI, Madhya Pradesh	Anpara C , Anpara, Sonebhadra Uttar Pradesh	
Date of PPA (DD/MM/YY)	15/03/2016	26/02/2014	25.07.2013	18/01/2014	21/11/2008	08/07/2007	12.11.2006 & 31.12.2009	
Duration of PPA (Years)	25	25	25	25	25	25 years	25 years from COD	
Scheduled delivery date (DD/MM/YY)	30/10/2016	30/10/2016	30/10/2016	30/10/2016	Unit-1 22-08-2014, Unit 2- 22-01-2015, Unit 3- 22-06-2015	Unit-1(07-05-2013), unit-2 (07-12-2013),Unit-3(07-07-2014),unit-4(07-02-2015),unit-5(07-09-2015),unit-6(07-04-2016)	10.12.2011	
Actual COD (DD/MM/YY)	NA	NA	NA	NA	Unit-1 29-02-2016, Unit 2- 10-09-2016, Unit 3- 26-05-2017	Unit-1(16-08-2013), unit-2 (28-01-2014),Unit-3(12-04-2014),unit-4(27-05-2014),unit-5(26-12-2014),unit-6(27-03-2015)	10.12.2011	
Type of bid (Case 1/Case 2/UMPP)	Case 1	Case 1	Case 1	Case 1	Case 2	UMPP	Case-2	
Type of fuel (Imported/ Domestic)	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	
Tariff adoption order (ERC, Case No., and Date)	Order dated 01-02-2017 in petition no 1106/2016	UPERC order dated 24 th June, 2014 in petition no 911/2013	UPERC order dated 24 th June, 2014 in petition no 911/2013	UPERC order dated 24 th June, 2014 in petition no 911/2013	order dated 27-10-2010 in petition no 645/2010	CERC,109/2007,17-10-2007	509/07, 31.12.2007	
Net Generation (MU)	1,248.11	3,149.11	1,096.36	1,474.27	5,002.38	2,147.70	4,328.70	UPTO the month of oct-19
Normative availability as per PPA (%)	85	85	85	85	80	80% for all Discoms	80%	
Actual availability (%)	73.8	66.82	57.3674	92.08503	64.603	91.14	89.04	UPTO the month of oct-19
Levelised Tariff payable as per PPA (Rs./kWh)	5.088	5.588	4.886	5.73	3.02	1.196/KWh for all Discoms	0.88	
Total Capacity charges (Rs./kWh)					1.026	0.122		Capacity and Energy Charge are first year quoted Charge
	2.411	2	1.828	2.711				
Escalable capacity charge component (in Rs./kWh)	0.401	0	0.208	0.236	0.166	0.001	0.01	
Non-Escalable capacity charge component (in Rs./kWh)	2.01	2	1.62	2.475	0.86	0.121	0.763 from 10.12.2019	
Total Energy charges	1.165	2.061	1.078	1.231	*NA	0.576	Actual based on 24	*SHR based bidding

Form No: F13G

Name of Distribution Licensee

Details for power procured via competitive bidding

Particulars	Developer 1	Developer 2	Developer 3	Developer 4	Developer 5	Developer 6	Developer 7	Remarks
Escalable fuel charge component (in Rs./kWh)	1.002	0.238	0.99	0.962	NA	0.001		
Escalable fuel charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable fuel charge component (in Rs./kWh)	0	1.548	0	0	NA	0.575		
Non-escalable fuel charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Escalable fuel handling charge component (in Rs./kWh)	0	0	0	0	NA			
Escalable fuel handling charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable fuel handling charge component (in Rs./kWh)	0	0	0	0	NA			
Non-escalable fuel handling charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Escalable transportation charge component (in Rs./kWh)	0.163	0.275	0.088	0.269	NA			
Escalable transportation charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable transportation charge component (in Rs./kWh)	0	0	0	0	NA			
Non-escalable transportation charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Total transmission charges (Rs./kWh)	0.66	0.68	0.65	0.59	NA		Nil	
Escalable component (in Rs./kWh)	NA	NA	NA	NA	NA			
Non-escalable component (in Rs./kWh)	NA	NA	NA	NA	NA			
Total tariff as per PPA (Rs./kWh)	4.3041	4.4731	3.369	4.4047	3.566	1.3201	3.064	UPTO the month of oct-19
Incentives or Disincentives as per PPA (Rs. Cr)								0.25 Rs/kWh from 80% availability up
Compensatory tariff, if any (Rs. Cr)								levelized 0.162 Rs/kWh as per UPERC
Additional charge, if any (Rs. Cr)								
Total payment made to generator (Rs. Cr)	541.95	1481.18	395.43	711.85	1800.12	324.42	1340.55	UPTO the month of oct-19

Form No: F13G

Name of Distribution Licensee MVVNL

Details for power procured via competitive bidding

Particulars	Developer 1	Developer 2	Developer 3	Developer 4	Developer 5	Developer 6	Developer 7	Remarks
Name of Developer	M/s RKM Powergen Ltd	M/s KSK Mahanadi Power Co. Ltd	M/s TRN Energy Ltd(Through Trader PTC India Ltd)	M/s MB Power(Madhya Pradesh) Ltd (Through Trader PTC India Ltd)	M/s Prayagraj Power Generation Co. Ltd.	Sasan Power Ltd	Lanco Anpara Power Limited	
PPA Capacity (MW)	75.83	216.67	84.5	78.217	329.6	MVVNL-49.5 MW	1100 MW	
Plant Location	Janjgir- Champa Distt., Chhattisgarh	Akaltara Tehsil, Janjgir- Champa district, Chhattisgarh	Raigarh Dist, Chhattisgarh	Annupur, Madhya Pradesh	Bara, Dist. Allahabad, UP	Sasan Dist-SIDHI, Madhya Pradesh	Anpara C , Anpara, Sonbhadra Uttar Pradesh	
Date of PPA (DD/MM/YY)	15/03/2016	26/02/2014	25.07.2013	18/01/2014	21/11/2008	08/07/2007	12.11.2006 & 31.12.2009	
Duration of PPA (Years)	25	25	25	25	25	25 years	25 years from COD	
Scheduled delivery date (DD/MM/YY)	30/10/2016	30/10/2016	30/10/2016	30/10/2016	Unit-1 22-08-2014, Unit 2- 22-01-2015, Unit 3- 22-06-2015	Unit-1(07-05-2013), unit-2 (07-12-2013),Unit-3(07-07-2014),unit-4(07-02-2015),unit-5(07-09-2015),unit-6(07-04-2016)	10.12.2011	
Actual COD (DD/MM/YY)	NA	NA	NA	NA	Unit-1 29-02-2016, Unit 2- 10-09-2016, Unit 3- 26-05-2017	Unit-1(16-08-2013), unit-2 (28-01-2014),Unit-3(12-04-2014),unit-4(27-05-2014),unit-5(26-12-2014),unit-6(27-03-2015)	10.12.2011	
Type of bid (Case 1/Case 2/UMPP)	Case 1	Case 1	Case 1	Case 1	Case 2	UMPP	Case-2	
Type of fuel (Imported/ Domestic)	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	
Tariff adoption order (ERC, Case No., and Date)	Order dated 01-02-2017 in petition no 1106/2016	UPERC order dated 24 th June, 2014 in petition no 911/2013	UPERC order dated 24 th June, 2014 in petition no 911/2013	UPERC order dated 24 th June, 2014 in petition no 911/2013	order dated 27-10-2010 in petition no 645/2010	CERC,109/2007,17-10-2007	509/07, 31.12.2007	
Net Generation (MU)	1,248.11	3,149.11	1,096.36	1,474.27	5,002.38	2,147.70	4,328.70	UPTO the month of oct-19
Normative availability as per PPA (%)	85	85	85	85	80	80% for all Discoms	80%	
Actual availability (%)	73.8	66.82	57.3674	92.08503	64.603	91.14	89.04	UPTO the month of oct-19
Levelised Tariff payable as per PPA (Rs./kWh)	5.088	5.588	4.886	5.73	3.02	1.196/kWh for all Discoms	0.88	
Total Capacity charges (Rs./kWh)	2.411	2	1.828	2.711	1.026	0.122		Capacity and Energy
Escalable capacity charge component (in Rs/kWh)	0.401	0	0.208	0.236	0.166	0.001	0.01	
Non-Escalable capacity charge component (in Rs./kWh)	2.01	2	1.62	2.475	0.86	0.121	0.763 from 10.12.2019	

Form No: F13G

Name of Distribution Licensee MVVNL

Details for power procured via competitive bidding

Particulars	Developer 1	Developer 2	Developer 3	Developer 4	Developer 5	Developer 6	Developer 7	Remarks
Total Energy charges	1.165	2.061	1.078	1.231	*NA	0.576	Actual based on 2511 Kcal/kWh Net SHR	
Escalable fuel charge component (in Rs./kWh)	1.002	0.238	0.99	0.962	NA	0.001		*SHR based bidding
Escalable fuel charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable fuel charge component (in Rs./kWh)	0	1.548	0	0	NA	0.575		
Non-escalable fuel charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Escalable fuel handling charge component (in Rs./kWh)	0	0	0	0	NA			
Escalable fuel handling charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable fuel handling charge component (in Rs./kWh)	0	0	0	0	NA			
Non-escalable fuel handling charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Escalable transportation charge component (in Rs./kWh)	0.163	0.275	0.088	0.269	NA			
Escalable transportation charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable transportation charge component (in Rs./kWh)	0	0	0	0	NA			
Non-escalable transportation charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Total transmission charges (Rs/kWh)	0.66	0.68	0.65	0.59	NA		Nil	
Escalable component (in Rs./kWh)	NA	NA	NA	NA	NA			
Non-escalable component (in Rs./kWh)	NA	NA	NA	NA	NA			
Total tariff as per PPA (Rs/kWh)	4.3041	4.4731	3.369	4.4047	3.566	1.3201	3.064	UPTO the month of oct-19
Incentives or Disincentives as per PPA (Rs. Cr)							0.25 Rs/kWh from 80% availability up to 92% thereafter PLF based incentive	
Compensatory tariff, if any (Rs. Cr)							levelized 0.162 Rs/kWh as per UPERC order	
Additional charge, if any (Rs. Cr)								
Total payment made to generator (Rs. Cr)	541.95	1481.18	395.43	711.85	1800.12	324.42	1340.55	UPTO the month of oct-19

Form No: F13G

Name of Distribution Licensee - PUVNL

Details for power procured via competitive bidding

Particulars	Developer 1	Developer 2	Developer 3	Developer 4	Developer 5	Developer 6	Developer 7	Remarks
Name of Developer	M/s RKM Powergen Ltd	M/s KSK Mahanadi Power Co. Ltd	M/s TRN Energy Ltd(Through Trader PTC India Ltd)	M/s MB Power(Madhya Pradesh) Ltd (Through Trader PTC India Ltd)	M/s Prayagraj Power Generation Co. Ltd.	Sasan Power Ltd	Lanco Anpara Power Limited	
PPA Capacity (MW)	122.5	350	136.5	126.35	659.2	PVVNL-297 MW	1100 MW	
Plant Location	Janjgir-Champa Distt., Chhattisgarh	Akaltara Tehsil, Janjgir Champa district, Chhattisgarh	Raigarh Dist, Chhattisgarh	Annupur, Madhya Pradesh	Bara, Dist. Allahabad, UP	Sasan Dist-SIDHI, Madhya Pradesh	Anpara C , Anpara, Sonbhadra Uttar Pradesh	
Date of PPA (DD/MM/YY)	15/03/2016	26/02/2014	25.07.2013	18/01/2014	21/11/2008	08/07/2007	12.11.2006 & 31.12.2009	
Duration of PPA (Years)	25	25	25	25	25	25 years	25 years from COD	
Scheduled delivery date (DD/MM/YY)	30/10/2016	30/10/2016	30/10/2016	30/10/2016	Unit-1 22-08-2014, Unit 2- 22-01-2015, Unit 3- 22-06-2015	Unit-1(07-05-2013), unit-2 (07-12-2013),Unit-3(07-07-2014),unit-4(07-02-2015),unit-5(07-09-2015),unit-6(07-04-2016)	10.12.2011	
Actual COD (DD/MM/YY)	NA	NA	NA	NA	Unit-1 29-02-2016, Unit 2- 10-09-2016, Unit 3- 26-05-2017	Unit-1(16-08-2013), unit-2 (28-01-2014),Unit-3(12-04-2014),unit-4(27-05-2014),unit-5(26-12-2014),unit-6(27-03-2015)	10.12.2011	
Type of bid (Case 1/Case 2/UMPP)	Case 1	Case 1	Case 1	Case 1	Case 2	UMPP	Case-2	
Type of fuel (Imported/ Domestic)	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	
Tariff adoption order (ERC, Case No., and Date)	Order dated 01-02-2017 in petition no 1106/2016	UPERC order dated 24 th June, 2014 in petition no 911/2013	UPERC order dated 24 th June, 2014 in petition no 911/2013	UPERC order dated 24 th June, 2014 in petition no 911/2013	order dated 27-10-2010 in petition no 645/2010	CERC,109/2007,17-10-2007	509/07, 31.12.2007	
Net Generation (MU)	1,248.11	3,149.11	1,096.36	1,474.27	5,002.38	2,147.70	4,328.70	UPTO the month of oct-19
Normative availability as per PPA (%)	85	85	85	85	80	80% for all Discoms	80%	
Actual availability (%)	73.8	66.82	57.3674	92.08503	64.603	91.14	89.04	UPTO the month of oct-19
Levelised Tariff payable as per PPA (Rs./kWh)	5.088	5.588	4.886	5.73	3.02	1.196/KWh for all Discoms	0.88	
Total Capacity charges (Rs./kWh)	2.411	2	1.828	2.711	1.026	0.122		Capacity and Energ
Escalable capacity charge component (in Rs./kWh)	0.401	0	0.208	0.236	0.166	0.001	0.01	
Non-Escalable capacity charge component (in Rs./kWh)	2.01	2	1.62	2.475	0.86	0.121	0.763 from 10.12.2019	

Form No: F13G

Name of Distribution Licensee - PVVNL

Details for power procured via competitive bidding

Particulars	Developer 1	Developer 2	Developer 3	Developer 4	Developer 5	Developer 6	Developer 7	Remarks
Total Energy charges	1.165	2.061	1.078	1.231	*NA	0.576	Actual based on 2511 Kcal/kWh Net SHR	*SHR based bidding
Escalable fuel charge component (in Rs./kWh)	1.002	0.238	0.99	0.962	NA	0.001		
Escalable fuel charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable fuel charge component (in Rs./kWh)	0	1.548	0	0	NA	0.575		
Non-escalable fuel charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Escalable fuel handling charge component (in Rs./kWh)	0	0	0	0	NA			
Escalable fuel handling charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable fuel handling charge component (in Rs./kWh)	0	0	0	0	NA			
Non-escalable fuel handling charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Escalable transportation charge component (in Rs./kWh)	0.163	0.275	0.088	0.269	NA			
Escalable transportation charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable transportation charge component (in Rs./kWh)	0	0	0	0	NA			
Non-escalable transportation charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Total transmission charges (Rs./kWh)	0.66	0.68	0.65	0.59	NA		Nil	
Escalable component (in Rs./kWh)	NA	NA	NA	NA	NA			
Non-escalable component (in Rs./kWh)	NA	NA	NA	NA	NA			
Total tariff as per PPA (Rs./kWh)	4.3041	4.4731	3.369	4.4047	3.566	1.3201	3.064	UPTO the month of oct-19
Incentives or Disincentives as per PPA (Rs. Cr)							0.25 Rs/kWh from 80% availability up to 92% thereafter PLF based incentive	
Compensatory tariff, if any (Rs. Cr)							levelized 0.162 Rs/kWh as per UPERC order	
Additional charge, if any (Rs. Cr)								
Total payment made to generator (Rs. Cr)	541.95	1481.18	395.43	711.85	1800.12	324.42	1340.55	UPTO the month of oct-19

Form No: F13G

Name of Distribution Licensee - PuVVNL

Details for power procured via competitive bidding

Particulars	Developer 1	Developer 2	Developer 3	Developer 4	Developer 5	Developer 6	Developer 7	Remarks
Name of Developer	M/s RKM Powergen Ltd	M/s KSK Mahanadi Power Co. Ltd	M/s TRN Energy Ltd(Through Trader PTC India Ltd)	M/s MB Power(Madhya Pradesh) Ltd (Through Trader PTC India Ltd)	M/s Prayagraj Power Generation Co. Ltd.	Sasan Power Ltd	Lanco Anpara Power Limited	
PPA Capacity (MW)	75.84	216.67	84.5	78.216	329.6	PVVNL-297 MW	1100 MW	
Plant Location	Janjgir- Champa Distt., Chhattisgarh	Akaltara Tehsil, Janjgir- Champa district, Chhattisgarh	Raigarh Dist, Chhattisgarh	Annupur, Madhya Pradesh	Bara, Dist. Allahabad, UP	Sasan Dist-SIDHI, Madhya Pradesh	Anpara C , Anpara, Sonbhadra Uttar Pradesh	
Date of PPA (DD/MM/YY)	15/03/2016	26/02/2014	25.07.2013	18/01/2014	21/11/2008	08/07/2007	12.11.2006 & 31.12.2009	
Duration of PPA (Years)	25	25	25	25	25	25 years	25 years from COD	
Scheduled delivery date (DD/MM/YY)	30/10/2016	30/10/2016	30/10/2016	30/10/2016	Unit-1 22-08-2014, Unit 2- 22-01-2015, Unit 3- 22-06-2015	Unit-1(07-05-2013), unit-2 (07-12-2013),Unit-3(07-07-2014),unit-4(07-02-2015),unit-5(07-09-2015),unit-6(07-04-2016)	10.12.2011	
Actual COD (DD/MM/YY)	NA	NA	NA	NA	Unit-1 29-02-2016, Unit 2- 10-09-2016, Unit 3- 26-05-2017	Unit-1(16-08-2013), unit-2 (28-01-2014),Unit-3(12-04-2014),unit-4(27-05-2014),unit-5(26-12-2014),unit-6(27-03-2015)	10.12.2011	
Type of bid (Case 1/Case 2/UMPP)	Case 1	Case 1	Case 1	Case 1	Case 2	UMPP	Case-2	
Type of fuel (Imported/ Domestic)	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	
Tariff adoption order (ERC, Case No., and Date)	Order dated 01-02-2017 in petition no 1106/2016	UPERC order dated 24 th June, 2014 in petition no 911/2013	UPERC order dated 24 th June, 2014 in petition no 911/2013	UPERC order dated 24 th June, 2014 in petition no 911/2013	order dated 27-10-2010 in petition no 645/2010	CERC,109/2007,17-10-2007	509/07, 31.12.2007	
Net Generation (MU)	1,248.11	3,149.11	1,096.36	1,474.27	5,002.38	2,147.70	4,328.70	UPTO the month of
Normative availability as per PPA (%)	85	85	85	85	80	80% for all Discoms	80%	
Actual availability (%)	73.8	66.82	57.3674	92.08503	64.603	91.14	89.04	UPTO the month of
Levelised Tariff payable as per PPA (Rs./kWh)	5.088	5.588	4.886	5.73	3.02	1.196/KWh for all Discoms	0.88	
Total Capacity charges (Rs./kWh)	2.411	2	1.828	2.711	1.026	0.122		Capacity and Energ
Escalable capacity charge component (in Rs./kWh)	0.401	0	0.208	0.236	0.166	0.001	0.01	
Non-Escalable capacity charge component (in Rs./kWh)	2.01	2	1.62	2.475	0.86	0.121	0.763 from 10.12.2019	
Total Energy charges	1.165	2.061	1.078	1.231	*NA	0.576	Actual based on 2511 Kcal/kWh Net SHR	*SHR based bidding

Form No: F13G

Name of Distribution Licensee - PuVVNL

Details for power procured via competitive bidding

Particulars	Developer 1	Developer 2	Developer 3	Developer 4	Developer 5	Developer 6	Developer 7	Remarks
Escalable fuel charge component (in Rs./kWh)	1.002	0.238	0.99	0.962	NA	0.001		
Escalable fuel charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable fuel charge component (in Rs./kWh)	0	1.548	0	0	NA	0.575		
Non-escalable fuel charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Escalable fuel handling charge component (in Rs./kWh)	0	0	0	0	NA			
Escalable fuel handling charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable fuel handling charge component (in Rs./kWh)	0	0	0	0	NA			
Non-escalable fuel handling charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Escalable transportation charge component (in Rs./kWh)	0.163	0.275	0.088	0.269	NA			
Escalable transportation charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Non-escalable transportation charge component (in Rs./kWh)	0	0	0	0	NA			
Non-escalable transportation charge component (in \$/kWh)	NA	NA	NA	NA	NA			
Total transmission charges (Rs/kWh)	0.66	0.68	0.65	0.59	NA		Nil	
Escalable component (in Rs./kWh)	NA	NA	NA	NA	NA			
Non-escalable component (in Rs./kWh)	NA	NA	NA	NA	NA			
Total tariff as per PPA (Rs/kWh)	4.3041	4.4731	3.369	4.4047	3.566	1.3201	3.064	UPTO the month of
Incentives or Disincentives as per PPA (Rs. Cr)							0.25 Rs/kWh from 80% availability up to 92% thereafter PLF based incentive	
Compensatory tariff, if any (Rs. Cr)							levelized 0.162 Rs/kWh as per UPERC order	
Additional charge, if any (Rs. Cr)								
Total payment made to generator (Rs. Cr)	541.95	1481.18	395.43	711.85	1800.12	324.42	1340.55	UPTO the month of

Form No: F13G

Name of Distribution Licensee - KESCO

Details for power procured via competitive bidding

Particulars	Developer 1	Developer 2	Developer 3	Developer 4	Developer 5
Name of Developer	M/s Prayagraj Power Generation Co. Ltd.				
PPA Capacity (MW)	82.4				
Plant Location	Bara, Dist. Allahabad, UP				
Date of PPA (DD/MM/YY)	21/11/2008				
Duration of PPA (Years)	25				
Scheduled delivery date (DD/MM/YY)	Unit-1 22-08-2014, Unit 2-22-01-2015, Unit 3-22-06-2015				
Actual COD (DD/MM/YY)	Unit-1 29-02-2016, Unit 2-10-09-2016, Unit 3-26-05-2017				
Type of bid (Case 1/Case 2/UMPP)	Case 2				
Type of fuel (Imported/ Domestic)	Domestic				
Tariff adoption order (ERC, Case No., and Date)	order dated 27-10-2010 in petition no 645/2010				
Net Generation (MU)	1,248.11				UPTO the month o
Normative availability as per PPA (%)	80				
Actual availability (%)	73.80				
Levelised Tariff payable as per PPA (Rs./kWh)	3.02				
Total Capacity charges (Rs./kWh)	1.026				
Escalable capacity charge component (in Rs./kWh)	0.166				
Non-Escalable capacity charge component (in Rs./kWh)	0.86				
Total Energy charges	*NA				
Escalable fuel charge component (in Rs./kWh)	NA				
Escalable fuel charge component (in \$/kWh)	NA				
Non-escalable fuel charge component (in Rs./kWh)	NA				
Non-escalable fuel charge component (in \$/kWh)	NA				
Escalable fuel handling charge component (in Rs./kWh)	NA				
Escalable fuel handling charge component (in \$/kWh)	NA				
Non-escalable fuel handling charge component (in Rs./kWh)	NA				
Non-escalable fuel handling charge component (in \$/kWh)	NA				

Form No: F13G

Name of Distribution Licensee - KESCO

Details for power procured via competitive bidding

Particulars	Developer 1	Developer 2	Developer 3	Developer 4	Developer 5
Escalable transportation charge component (in Rs./kWh)	NA				
Escalable transportation charge component (in \$/kWh)	NA				
Non-escalable transportation charge component (in Rs./kWh)	NA				
Non-escalable transportation charge component (in \$/kWh)	NA				
Total transmission charges (Rs/kWh)	NA				
Escalable component (in Rs./kWh)	NA				
Non escalable component (in Rs./kWh)	NA				
Total tariff as per PPA (Rs/kWh)	4.30				
Incentives or Disincentives as per PPA (Rs. Cr)					
Compensatory tariff, if any (Rs. Cr)					
Additional charge, if any (Rs. Cr)					
Total payment made to generator (Rs. Cr)	541.95				

Form No: F13I

Name of Distribution Licensee

Energy Transmitted/wheeled through a particular transmission system, charges payable and other details.

Sl.No.	Name of the transmission system	Capacity of the transmission system	Energy Wheeled through the transmission system	Maximum Demand imposed by the distribution licensee on the transmission system	Transmission capacity allotted to the distribution licensee	Transmission charges	Other charges	Total Charges	Transmission charges/unit
		MVA	(MU)	MW	MW	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.	Rs. per MW
FY 2020-21									
1	PGCIL Charges								-
2	WUPPTCL Charges							5,122.21	-
3	SEUPPTCL Charges								-
4	Case-1 Transmission Charges								-
	Total	-	-	-	-	-	-	5,122.21	-
FY 2021-22									
1	PGCIL Charges							3,311.28	-
2	WUPPTCL Charges							875.68	-
3	SEUPPTCL Charges							277.50	-
4	Case-1 Transmission Charges							2,304.71	-
	Total	-	-	-	-	-	-	6,769.17	-

*Note:- Information to be provided for Past year, True-Up year, APR year & for each year of the Control Period

Form No 13J

Name of Distribution Licensee

Inter State Transmission Charges

Sl.No.	Lines/ Links/ Region	APR		ARR	
		FY 2020-21		FY 2021-22	
		Projected		Projected	
		Transmission Service Charges (Rs. Crs.)	Transmission Service Charges (Rs. Crs.)	Transmission Service Charges (Rs. Crs.)	Transmission Service Charges (Rs. Crs.)
A	PGCIL Charges	5,122.21		3,311.28	
	Total	5,122.21		3,311.28	
B	OTHERS				
1	Case-I Transmission Charges	-		2,304.71	
2	WUPPTCL Charges			875.68	
3	SEUPPTCL Charges			277.5	
4					
....					
	Total	-		3,457.89	
	Grand Total (A+B)	5,122.21		6,769.17	

Form No: F13*

Name of Distr:

Power Procurement Planning (in MWs)

Months	APR			ARR		
	FY 2020-21			FY 2021-22		
	Revised Estimates			Projected		
	Long Term	Medium Term	Short Term	Long Term	Medium Term	Short Term
April	14,636	-	389	15,660	-	416
May	17,182	-	1,058	18,384	-	1,132
June	18,158	-	781	19,430	-	835
July	16,557	-	626	17,716	-	670
August	16,860	-	813	18,041	-	869
September	15,705	-	969	16,805	-	1,037
October	12,951	-	536	13,857	-	573
November	11,828	-	-	12,656	-	-
December	11,645	-	-	12,460	-	-
January	12,653	-	-	13,538	-	-
February	12,246	-	-	13,103	-	-
March	13,348	-	-	14,282	-	-
Total	14,926	-	411	15,971	-	440

Form No: F13L

Name of Distribution Licensee

Bulk Supply Tariff Details

S.No.	Particulars	Units	Formulae	True-up			APR		ARR
				FY 2019-20			FY 2020-21		FY 2021-22
				Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
A	Billed Energy	MU		94,517.64	91,486.05	91,486.05	92,409.35	89,213.50	95,608.34
	Overall Distribution Losses								
B	Percentage	%		11.96%	18.48%	18.48%	11.54%	17.90%	16.64%
C	Quantum	MU	$C=(A/(1-B)-A)$	12,839.97	20,738.87	20,738.87	12,057.99	19,451.17	19,081.13
D	Energy requirement at Discom Periphery	MU	$D=A+C$	107,357.61	112,224.92	112,224.92	104,467.34	108,664.67	114,689.47
	Intra State Transmission Losses								
E	Percentage	%		3.56%	3.43%	3.43%	3.40%	3.40%	3.33%
F	Quantum	MU	$F=(D/(1-E)-D)$	3,963.01	3,986.04	3,986.04	3,676.90	3,824.64	3,950.72
G	Total Energy requirement at UPPTCL Periphery	MU	$G=D+F$	111,320.62	116,210.96	116,210.96	108,144.24	112,489.30	118,640.19
H	Energy Purchase from Stations connected to Intra State Transmission network (UPPTCL)	MU	H				68,235.56	79,011.10	72,350.54
I	Energy Purchase from Stations connected to Inter State Transmission network	MU	I				39,908.68	33,478.20	46,289.64
J	Inter State Transmission Losses	%	J	2.13%	1.63%	1.63%	2.88%	2.88%	2.94%
K	Net Energy Received from Stations connected to Inter State Transmission network at UPPTCL	MU	$K=(1-J)$	-	-	-	41,092.10	34,470.97	47,692.56
L	Total Energy Purchased at ex-bus	MU	$L=H+I$	113,743.36	118,140.93	118,140.93	109,327.65	113,482.07	120,043.11
M	Power Purchase Cost	(Rs. Cr)		45,426.46	50,233.40	50,233.40	47,782.99	49,112.03	55,251.83
N	PGCIL Inter-State Transmission Charges	(Rs. Cr)		2,663.21	3,481.90	3,481.90	6,501.74		3,311.28
	SEUPPTCL, WUPPTCL & Case-I Transmission Charges	(Rs. Cr)		3,348.62	1,181.33	1,181.33		5,122.21	3,457.89
O	Total Power Procurement Cost	(Rs. Cr)		51,438.29	54,896.62	54,896.62	54,284.73	54,234.24	62,020.99
P	Bulk Supply Tariff	(Rs./Unit)	$P=(O/D)*10$	4.79	4.89	4.89	5.20	4.99	5.41
Q	Average Power Purchase Cost (Including PGCIL and Intra-State Charges)	(Rs./Unit)	$Q=(O/L)*10$	4.52	4.65	4.65	4.97	4.78	5.17
R	Average Power Purchase Cost (Ex-Bus Generation)	(Rs./Unit)	$R=(M/L)*10$	3.99	4.25	4.25	4.37	4.33	4.60
S	YoY % increase in Average Power Purchase Cost (Ex-Bus Generation)	%						1.78%	6.35%

Note: However, in True- Up the formulae column may not be applicable, because of lower actual data.

Digitally signed by SUDHIR ARYA
Date: 2021.02.21 14:58:21 +05'30'

SUDHIR ARYA

Notes

1 **Petitions to be filed in the Control Period under Regulation 4.1 of the Draft of UPREC (MYT for Distribution, Transmission and SLDC) Regulations, 2020**

Filing date	True- Up	APR	ARR	Revenue from existing Tariff	Determination of Tariff or Fees and Charges
30.11.2019	FY 2018-19 (as per MYT Regulations, 2014)	FY 2019-20 (as per MYT Regulations, 2014)	Business Plan and ARR for the Control Period	For whole Control Period	FY 2020-21
30.11.2020	FY 2019-20 (as per MYT Regulations, 2014)	FY 2020-21	-	For the remaining period of the Control Period	FY 2021-22
30.11.2021	FY 2020-21	FY 2021-22	-	For the remaining period of the Control Period	FY 2022-23
30.11.2022	FY 2021-22	FY 2022-23	-	For the remaining period of the Control Period	FY 2023-24
30.11.2023	FY 2022-23	FY 2023-24	-	For the remaining period of the Control Period	FY 2024-25

- 2 **The Licensees are required to fill the data strictly as per the given formats as per the above timeline. Cells, where the data is not relevant, may be left blank.**
- 3 **The Licensees are required to provide audited accounts as per the given formats . Where the audited data is not available, provisional data may be provided.**
- 4 **The Licensees are required to provide immediate preceding years' data for the past years, wherever required.**
- 5 **All forms are also to be submitted in hard copy, signed and stamped by an authorized person on behalf of Licensee.**

FORMATS FOR APR and ARR/ TARIFF FILING BY DISTRIBUTION LICENSEES			Status
--	--	--	--------

1	S1	Profit & Loss Account	Filled
2	S2	Balance Sheet	Filled
3	S3	Cash Flow Statement	NA
4	S4	Energy Balance	Filled
5	F1	Annual Revenue Requirement	Filled
6	F2	Expenditure Allocation into Demand, Energy & Customer Costs	Filled
7	F3	Allocation of Demand Costs	Filled
8	F4	Allocation of Energy Costs	Filled
9	F4A	Determination of Categorywise Energy Consumption	Filled
10	F5	Allocation of Customer Costs	Filled
11	F5A	Determination of Categorywise Consumers	Filled
12	F6	Determination of Categorywise Cost to Serve	Filled
13	F7	Determination of Categorywise Cross Subsidy	Filled
14	F7A	Revenue from Open Access Customers	Filled
15	F8	Energy Sales Forecast	Filled
16	F9	Billing Determinants with Load Factor	Filled
17	F9A	Determination of CAGR of Energy Sales Forecast	Filled
18	F10	Summary of Actual / Estimated Revenue from Sale of Power at Current Tariff	Filled
19	F10A	Revenue from Current Tariffs in Ensuing Year	Filled
20	F10B	Summary of revenues and gap/surplus across major categories at Current Tariff	Filled
21	F11	Summary of Actual / Estimated Revenue from Sale of power at Proposed Tariff	Filled
22	F11A	Revenue from Proposed Tariff and Charges	Filled
23	F12	Summary of revenues and gap/surplus across major categories at proposed tariff	Filled
24	F13	Summary of Power Purchase from Own Stations and Other Sources	Filled
25	F13A	Assumptions For Power Purchase	Filled
26	F13B	Power Purchase & Monthly Appropriation of Power Purchase	Filled
27	F13C	Merit Order Despatch	Filled
28	F13D	Summary of Power Purchase Cost	Filled
29	F13E	PPA-wise renewable energy procured	Filled
30	F13F	Renewable Purchase Obligation	Filled
31	F13G	Details for power procured via competitive bidding	Filled
32	F13H	Information on short-term power procurement	Filled
33	F13I	Energy Transmitted/wheeled through a particular transmission system, charges payable and other details	Filled
34	F13J	Inter State Transmission Charges	Filled
35	F13K	Power Procurement Planning (in MWs)	Filled
36	F13L	Bulk Supply Tariff Details	Filled
37	F14	Normative Parameters Computed	Filled
38	F15	Abstract of Capital Cost	Filled
39	F16	Reconciliation of Capital Cost with Gross Block	Filled
40	F17	Statement of Assets Not in Use	Filled
41	F18	Consumer contributions and grants towards cost of capital assets	Filled
42	F19	Investment Plan - Master	Filled
43		PuVNL Investment Plan	Filled
44	F19A	Loan Details	Filled
45	F19B	Commissioning / Capitalisation Plan - Master	Filled
46	F19C	Year-wise Capital Expenditure- Loan Details	Filled
47	F20	Statement of Capital Cost	Filled
48	F21	Statement of Capital Works in Progress	Filled
49	F21A	Capex and Capitalisation details	Filled
50	F22	Reconciliation of Capital Liabilities with Financial Accounts	Filled
51	F23	Financing of Capitalised Works	Filled
52	F24	Details of Allocation of loans to various distribution projects	Filled
53	F25	Financing of Additional Capitalisation	Filled
54	F26	Domestic loans, bonds and financial leasing	NA
55	F27	Consumer Price Inflation	Filled
56	F28	Wholesale Price Inflation	Filled
57	F29	O&M Expenses	Filled
58	F29A	Employee Expenses	Filled
59	F29B	Component wise Details of Employee Expenses	Filled
60	F29C	R&M Expenses	Filled
61	F29D	Administration and General Expenses	Filled
62	F29E	Componentwise Details of Administration & General Expenses	Filled

FORMATS FOR APR and ARR/ TARIFF FILING BY DISTRIBUTION LICENSEES			Status
63	F30 Amend	#REF!	Filled
64		PuVVNL Investment Funding	Filled
65	F30A	Statement of Depreciation	Filled
66	F31	Interest on Normative Loan	Filled
67	F32	Statement of Equity	Filled
68	F32A	Equity Capital	Filled
69	F33	Working Capital Requirements	Filled
70	F34	Details of Non-tariff Income	Filled
71	F35	Details of Income from Other Business	Filled
72	F36	Details of Expenses Capitalised	Filled
73	F37	Income Tax Provisions	Filled
74	F38	Consumer Security Deposit	Filled
75	F39	Statement of Receivables	Filled
76	F40	Allocation of Wheeling & Retail Supply and Cross Subsidy Surcharge	Filled
77	F40A	Cross Subsidy Surcharge	Filled
78	F41	True-Up Snapshot	Filled
79	F42	APR Snapshot	Filled
80	F43	ARR Snapshot	Filled
81	F44	Rate Schedule for Proposed Tariff	Filled
82	F44A	Rate Schedule for Proposed Tariff (Existing and Proposed)	Filled
83	F45	Distribution Loss, Intrastate & Interstate Transmission Loss	Filled
84	F46	Consumer No., Connected Load, Sales & Revenue Details	Filled
85	F47	Avg. No. of Hour Supply Per day	Filled
86	F48	ABR % of ACoS	Filled
87	F49	Revenue from Tariff	Filled
88	F50	Debits, Write-offs and any other items	Filled
89	F51	Public Hearing Attendance List	Filled
90	F52	Publication Details	Filled
91	P1	T&D Losses in LT and HT system	Filled
92	P2	Summary of Circle wise AT & C Loss Computation	Filled
93	P3	Details of Physical statistics of the network	Filled
94	P4	Analysis of Revenue Arrears	Filled
95	P5	Consumer Complaint	Filled
96	P6	Voltage Profile	Filled
97	P7	Transformer and line length details	Filled
98	P8	Abstract of outages due to tripping in HT Feeders/ Transformers	Not Filled
99	P9	Failure of Transformers	Filled
100	P10	Electrical Accidents	Filled
101	P11	Peak Demand in MW	Filled
102	P12	Management and operation related Ratios	Filled
104	P14	Status of Metering	Filled
106		PuVVNL Templates	Filled

Profit & Loss Account

Rs. Crores

Sl.No.	Particulars.	Previous Year*		Current Year**
		FY 2017-18	FY 2018-19	FY 2019-20
I	Revenue From Operations	9,962.73	11,036.93	11641.41
II	Other Income	2,418.14	4,036.73	4415.67
III	Total Income (I+II)	12,380.87	15,073.66	16,057.08
IV	EXPENSES			
	Purchase of electricity/ Stock-in-Trade	10,454.62	12,991.73	13723.22
	Changes in inventories of finished goods, Stock-in-Trade and work-in-progress	-	-	-
	Employee benefits expense	326.90	288.34	309.21
	Finance costs	834.00	1,203.46	1306.13
	Depreciation and amortization expenses	409.23	305.57	427.82
	Other expenses			
	a) Administrative, General & Other Expenses	347.57	293.07	459.73
	b) Repairs. and Maintenance Expenses	653.19	773.34	869.83
	c) Bad Debts & Provisions	187.92	196.26	165.44
	Total expenses (IV)	13,213.43	16,051.77	17,261.38
V	Profit/(Loss) before rate regulated activities/ exceptional items and tax (III-IV)	(832.56)	(978.11)	(1,204.30)
VI	Movement in Regulatory deferral account Balance/ Exceptional Items	0.00	0.00	0.00
VII	Profit/(Loss) before tax (V-VI)	(832.56)	(978.11)	(1,204.30)
VIII	Tax expense:	0.00	0.00	0.00
	(1) Current tax	0.00	0.00	0.00
	(2) Deferred tax	0.00	0.00	0.00
	(i) Provision for the year	0.00	0.00	0.00
	(ii) Adjustable in future year	0.00	0.00	0.00
	(3) Tax relating to earlier years.	0.00	0.00	0.00
IX	Profit (Loss) for the period from continuing operations (VI-VII)	(832.56)	(978.11)	(1,204.30)
X	Profit/(Loss) from discontinued operations	-	-	-
XI	Tax expense of discontinued operations	-	-	-
XII	Profit/(Loss) from discontinued operations (after tax) (IX-X)	(832.56)	(978.11)	(1,204.30)
XIII	Profit/(Loss) for the period (VIII+XI)	-	-	-
XIV	Other Comprehensive Income			
	A (i) Items that will not be reclassified to profit or loss			
	(ii) Income tax relating to items that will not be reclassified to profit or loss			
	B (i) Items that will be reclassified to profit or loss			
	(ii) Income tax relating to items that will be reclassified to profit or loss	(7.02)	(9.50)	(18.69)
XV	Total other comprehensive income for the year	(7.02)	(9.50)	(18.69)
XVI	Total Comprehensive Income for the period (XII+XIII) (Comprising Profit/(Loss) and Other Comprehensive Income for the period)	(839.58)	(987.61)	(1,222.99)
XVII	Earnings per equity share (continuing operation) :			
	(1) Basic (Amount in Rs..)	(61.12)	(61.76)	(63.66)
	(2) Diluted (Amount in Rs..)	(61.12)	(61.76)	(63.66)
XVIII	Earnings per equity share (for discontinued operation) :			
	(1) Basic (Amount in Rs..)			
	(2) Diluted (Amount in Rs..)			
XIX	Earnings per equity share (for discontinued & continuing operations)			
	(1) Basic (Amount in Rs..)	(61.63)	(61.76)	(63.66)
	(2) Diluted (Amount in Rs..)	(61.63)	(61.76)	(63.66)

* Previous year of the Trued- Up year

** Year being Trued- Up

Sl.No.	Particulars	Previous Year*		Current Year**
		FY 2017-18	FY 2018-19	FY 2019-20
ASSETS				
(1)	Non-current assets			
	(a) Property, Plant and Equipment	8,056.43	10,209.94	15,329.35
	(b) Capital work-in-progress	3,937.79	5,945.85	2613.62
	(c) Investment Property	-		
	(d) Goodwill	-		
	(e) Intangible assets	-		
	(f) Intangible assets under development	-		
	(g) Biological Assets other than bearer plants	-		
	(h) Financial Assets			
	(i) Investments	-		
	(ii) Trade receivables	-	-	
	(iii) Loans	-		
	(iv) Others (to be specified)	-		
	(i) Deferred tax assets (net)	-		
	(j) Other non-current assets	-		
(2)	Current assets			
	(a) Inventories	761.18	825.73	835.80
	(b) Financial Assets			
	(i) Investments	-		
	(i) Trade receivables	20,360.28	24,098.04	27,225.55
	(ii) Cash and cash equivalents	981.58	1,159.34	913.40
	(iii) Bank balances other than Cash and Cash equivalent	0.57	0.74	0.71
	(v) Loans		1,573.51	1494.01
	(iv) Others	1,924.78		
	(c) Current Tax Assets (Net)			
	(d) Other current assets	881.09	1,947.88	1388.31
	Total Assets	36,903.70	45,761.02	49,800.75
	Regulatory deferral account balances			
	Total assets and Regulatory deferral account balances	36,903.70	45,761.02	49,800.75
EQUITY AND LIABILITIES				
	EQUITY	3,477.75	6,650.85	7,622.81
	(a) Equity Share Capital	13,621.86	15,990.80	19,212.79
	(b) Other Equity	(10,144.12)	(9,339.95)	(11,589.98)
	LIABILITIES	33,425.95	39,110.50	42,177.95
(1)	Non-current liabilities	14,892.48	15,449.99	14,379.42
	(a) Financial liabilities			
	(i) Borrowings	14,362.80	14,850.09	13692.83
	(ii) Trade payables			
	(iii) Other financial liabilities	529.68	599.91	686.59
	(b) Provisions			
	(c) Deferred tax liabilities (Net)			
	Less: Adjustable in future Tariff			
	(d) Other non-current liabilities			
(2)	Current liabilities	18,533.47	23,660.51	27,798.53
	(a) Financial liabilities			
	(i) Borrowings	42.99	42.99	42.99
	(ii) Trade payables	12,209.10	15,472.08	19293.53
	(iii) Other financial liabilities	6,281.38	8,145.44	8462.01
	(b) Other current liabilities			
	(c) Provisions			
	(d) Current Tax Liabilities (Net)			
	Total Equity and Liabilities	36,903.70	45,761.36	49,800.75

* Previous year of the Trued- Up year

** Year being Trued- Up

Sl.No.	Particulars	Previous Year*		Current Year**
		FY 2017-18	FY 2018-19	FY 2019-20
A	CASH FLOW FROM OPERATING ACTIVITIES			
	Net Profit/ (Loss) before Taxation & Extraordinary items	(839.58)	(988.89)	(1,222.99)
	Adjustment for :			
a	Depreciation	509.46	416.21	549.41
b	Loss on retirement of property. Plant and equipments/ intangible assets (net)			
c	Gain on sale of current investments			
d	Interest income			
e	Dividend income			
f	Interest & Financial charges	863.94	1,343.67	1498.84
g	Bad Debts written off			
h	Provision for doubtful debts			
i	Prior period Expenditure (Net)			
j	Fringe Benefit Tax			
	SUB TOTAL	1,373.39	1,759.88	2,048.24
	Operating profit before working capital change	533.82	770.99	825.25
	Adjustment for :			
a	Stores & Spares	28.44	(64.54)	(10.08)
b	Trade Receivables	(3,560.17)	(3,737.75)	(3,127.52)
c	Other Current Assets	(707.69)	(715.52)	636.01
d	Other non- current assets			
e	Other Advances			
f	Inter Unit Transfer			
g	Employee benefit Obligations			
h	Other Current Liabilities	1,153.85	1,864.06	314.05
i	Other Financial Liabilities			
j	Short Term Borrowings			
k	Trade Payables	(820.60)	3,262.97	3821.45
l	Regulatory deferral accounts			
	Other Current Financial Asset			
	Other Current Financial Liabilities			
	CASH FROM OPERATING ACTIVITIES (A)	(3,906.18)	609.23	1,633.91
	Income tax paid			
	NET CASH INFLOW FROM OPERATING ACTIVITIES (A)	(3,372.36)	1,380.21	2,459.16
B	CASH FLOWS FROM INVESTING ACTIVITIES			
a	Decrease/ (Increase) in Fixed Assets	(1,569.11)	(2,570.06)	(3,497.33)
b	Decrease/ (Increase) in Capital Work in Progress	(825.05)	(1,763.73)	1247.42
c	(Increase)/ Decrease in Investments			
d	Decrease/ (Increase) in Other Non-Current Assets	(357.77)	(174.11)	(1,247.42)
e	Decrease/ (Increase) in Long Term Loans & Advances			
f	Interest and Dividend Income			
g	Loans to employees			
	Decrease/ (Increase) in Capital Advances			
	NET CASH OUTFLOW FROM INVESTING ACTIVITIES (B)	(2,751.93)	(4,507.90)	(3,497.33)
C	CASH FLOW FROM FINANCING ACTIVITIES			
a	Proceeds from borrowings			
	Increase from Borrowing	4,672.78	487.28	(1,157.26)
	Repayment of Borrowing	(863.94)	(1,343.67)	(1,498.84)
b	Proceeds from Share Capital			
c	Proceed from Share Application Money	2,343.82	2,707.69	859.01
d	Proceeds from consumers contribution & GoUP capital subsidy(Reserve & Surplus)	60.32	1,453.03	1341.86
e	Other long term liabilities			
f	Interest & Financial charges			
g	Accumulated losses as per transfer scheme transferred to PTCL			
h	Dividend paid			
i	Dividend distribution tax paid			
	NET CASH OUTFLOW FROM FINANCING ACTIVITIES (C)	6,212.98	3,304.33	(455.23)
	NET INCREASE (DECREASE) IN CASH & CASH EQUIVALENTS (A+B+C)	88.69	176.65	(1,493.39)
	CASH & CASH EQUIVALENTS AT THE BEGINNING OF THE FINANCIAL YEAR	893.45	982.14	
	CASH & CASH EQUIVALENTS AT THE END OF THE FINANCIAL YEAR	982.14	1,158.79	(1,493.39)

* Previous year of the Trued- Up year

** Year being Trued- Up

Form No: S4

Name of Distribution Licensee

Energy Balance

S.No.	Particulars	Units	Formulae	Past years Data			True- Up			APR		ARR
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
				Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
A	Total Energy Sales	MU		18,286.23	20,758.35	20795.20	22,647.91	21,237.26	21,237.26	22,315.70	21,480.00	23,538.56
	Overall Distribution Losses											
B	Percentage	%		22.77%	23.16%	16.43%	12.20%	20.32%	12.20%	11.83%	19.20%	18.00%
C	Quantum	MU	$C=(A/(1-B)-A)$	5,389.90	6,257.98	4,088	3,146.98	5,414	2,950.96	2,994.16	5,104.16	5,167.00
D	Energy requirement at Discom Periphery	MU	$D=A+C$	23,676.13	27,016.33	24,884	25,794.89	26,651.59	24,188.23	25,309.86	26,584.16	28,705.56
	Intra State Transmission Losses											
E	Percentage	%		3.55%	3.56%	3.56%	3.56%	3.43%	3.43%	3.40%	3.40%	3.33%
F	Quantum	MU	$F=(D/(1-E)-D)$	871.44	997.28	919	952.20	946.62	859.12	890.82	935.67	988.82
G	Total Energy requirement at UPPTCL Periphery	MU	$G=D+F$	24,547.57	28,013.62	25,802	26,747.08	27,598.21	25,047.35	26,200.68	27,519.84	29,694.38
H	Energy Purchase from Stations connected to Intra State Transmission network (UPPTCL)	MU										
I	Energy Purchase from Stations connected to Inter State Transmission network	MU										
J	Inter State Transmission Losses	%		3.69%	3.46%	2.66%	2.13%	1.63%	1.80%	1.08%	0.87%	1.17%
K	Net Energy Received from Stations connected to Inter State Transmission network at UPPTCL Periphery	MU	$K=I(1-J)$	-	-	-	-		0.00%	0.00%	0.00%	0.00%
											-	0.00%
L	Total Energy Purchased at UPPCL Periphery	MU	$L=I+K$	25,488.08	29,017.63	26,507.12	27,330.53	28,056.55	25,505.69	26,487.39	27,762.71	30,045.52

Note: However, in True- Up the formulae column may not be applicable , because of lower actual data.

Annual Revenue Requirement

S.No	Particulars	Past years Data			True- Up			APR		ARR
		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
I.	Power Purchase or Energy Available at Discom Periphery (MU)	23676.13	27016.33	24883.57	25794.89	26651.59	24,188.23	25,309.86	26,584.16	28,705.56
II.	Sale of Power (MU)	18286.23	20758.35	20795.20	22647.91	21237.26	21,237.26	22,315.70	21,480.00	23,538.56
III.	Distribution Loss (%)	22.77%	23.16%	16.43%	12.20%	20.32%	12.20%	11.83%	19.20%	18.00%
A.	Receipts									
a	Revenue from Tariff and Misc. Charges at current tariff rates	9,320.19	9,962.73	11,132.08	13,057.69	11,641.41	11,641.41	13,588.44	12,345.94	14,518.59
	Total Receipts (A)	9,320.19	9,962.73	11,132.08	13,057.69	11,641.41	11,641.41	13,588.44	12,345.94	14,518.59
B	Expenditure									
a	Cost of Power Procurement	9,966.21	10,719.62	12,237.31	12,359.22	12,919.19	11,840.63	12,815.00	12,968.38	15,279.81
	Cost of Power Procurement Expenses Profit/(Loss) Sharing						1,603.49			
b	Transmission and Load Dispatch Charges	388.09	482.51	513.86	476.75	804.03	804.03	601.87	632.70	683.19
c	Net O&M Expenses									
i	R&M Expense	217.76	569.40	773.34	829.67	869.83	869.83	540.11	1,442.32	1,717.03
ii	Employee Expenses net of Capitalisation	611.98	326.90	288.34	1,505.33	309.21	309.21	351.53	237.74	269.44
iii	Net A&G Expense	68.85	118.06	151.75	174.62	459.73	459.73	146.35	476.34	542.56
	Total Net O&M expenses (i+ii+iii)	898.59	1,014.36	1,213.43	2,509.62	1,638.77	1,638.77	1,037.99	2,156.39	2,529.03
	O&M Expenses Profit/(Loss) Sharing						451.38			
	Total O&M expenses (including sharing)	898.59	1,014.36	1,213.43	2,509.62	1,638.77	2,090.15	1,037.99	2,156.39	2,529.03
d	Depreciation	496.86	261.95	312.59	393.10	549.41	243.17	317.80	383.35	460.63
e	Interest on Long-Term Loan (net of Capitalisation)	363.98	425.82	285.53	527.94	648.99	388.98	181.95	442.52	448.95
f	Interest on Security Deposit from Consumers and Distribution system Users	23.98	22.38	22.07	33.38	24.25	24.25	21.66	21.66	22.68
	Finance/Bank Charges	17.41	32.26	8.66	32.26	8.40	8.40			
g	Interest on Working Capital	169.33	194.57	218.35	300.59	849.85	316.12	142.00	186.05	196.45
h	Bad and Doubtful debts	190.68	187.92	196.72	261.71	165.44	164.61	242.20	313.41	356.87
i	Contribution towards Contingency Fund									
j	Return on Equity		352.86	383.39	461.48		476.32	449.81	588.65	673.82
k	Income Tax						-	-	-	-
	Total Expenditure (B)	12,515.13	13,694.24	15,391.91	17,356.05	17,608.33	17,960.15	15,810.28	17,693.12	20,651.42
C	Deductions									
a	Income from other Business	-	-	-			-	-	-	-
b	Non tariff income	230.85	326.93	307.20	18.93	284.88	284.31	13.14	12.57	12.57
C	Revenue from Open Access Customers			0.57			0.57	0.57	0.57	0.57
	Total Other Deductions (C)	230.85	326.93	307.77	18.93	284.88	284.88	13.71	13.14	13.14
D	Net Annual Revenue Requirement of Licensee(B-C)	12,284.28	13,367.32	15,084.15	17,337.11	17,323.44	17,675.27	15,796.58	17,679.97	20,638.28
E	Shortfall/Excess before tariff revision impact (A-D)	(2,964.09)	(3,404.59)	(3,952.07)	(4,279.42)	(5,682.03)	(6,033.86)	(2,208.14)	(5,334.03)	(6,119.69)
F	Tariff Revision Impact									
G	Shortfall/Excess after tariff revision impact (E+F)	(2,964.09)	(3,404.59)	(3,952.06)	(4,279.42)	(5,682.03)	(6,033.86)	(2,208.14)	(5,334.03)	(6,119.69)
H	Govt. Subsidy Received/Declared	1,944.94	1,680.79	3,376.16	2,958.41	3,289.09	3,289.09	3,324.80	3,324.80	3,324.80
I	Additional Subsidy computed by UPERC	1,890.97	1,545.35							
J	Total Subsidy	3,835.91	3,226.14	3,376.16	2,958.41	3,289.09	3,289.09	3,324.80	3,324.80	3,324.80
K	(Shortfall)/Excess (G-H)	871.82	(178.45)	(575.90)	(1,321.00)	(2,392.94)	(2,744.77)	1,116.66	(2,009.23)	(2,794.89)

Expenditure Allocation into Demand, Energy & Customer Costs

(Rs. Crore)

S.No.	Particulars	Allocation Ratio (%)			Past Year Data				Past Year Data				True- Up				APR				ARR			
					FY 2017-18				FY 2018-19				FY 2019-20				FY 2020-21				FY 2021-22			
		Trued- Up				Trued- Up				Claimed				Revised Estimates				Projected						
		Demand	Energy	Customer	Total	Demand	Energy	Customer	Total	Demand	Energy	Customer	Total	Demand	Energy	Customer	Total	Demand	Energy	Customer	Total	Demand	Energy	Customer
	Expenditure																							
1	Cost of Power Procurement	45%	55%	0%	4,823.83	5,895.79	-	10719.62	5,506.79	6,730.52	0.00	12,237.31	5,328.29	6,512.35	0.00	11,840.63	5,835.77	7,132.61	0.00	12,968.38	6,875.91	8,403.89	0.00	15,279.81
	Cost of Power Procurement Expenses Profit/(Loss) Sharing	45%	55%	0%	-	-	-	0	0.00	0.00	0.00	0.00	721.57	881.92	0.00	1,603.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Transmission & Load Dispatch charges	100%	0%	0%	482.51	-	-	482.51	513.86	0.00	0.00	513.86	804.03	0.00	0.00	804.03	632.70	0.00	0.00	632.70	683.19	0.00	0.00	683.19
3	Net O&M Expenses							0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	a) R&M Expense	100%	0%	0%	569.40	-	-	569.4	773.34	0.00	0.00	773.34	869.83	0.00	0.00	869.83	1,442.32	0.00	0.00	1,442.32	1,717.03	0.00	0.00	1,717.03
	b) Net Employee Expenses	80%	0%	20%	261.52	-	65.38	326.9	230.67	0.00	57.67	288.34	247.37	0.00	61.84	309.21	190.19	0.00	47.55	237.74	215.55	0.00	53.89	269.44
	c) Net A&G Expense	80%	0%	20%	94.45	-	23.61	118.06	121.40	0.00	30.35	151.75	367.79	0.00	91.95	459.73	381.07	0.00	95.27	476.34	434.05	0.00	108.51	542.56
	O&M Expenses Profit/(Loss) Sharing	80%	0%	20%	-	-	-	0	0.00	0.00	0.00	0.00	361.10	0.00	90.28	451.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Smart Metering OPEX	0%	0%	100%	-	-	-	0	0.00	0.00	1,213.43	1,213.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	UPPCL O&M expenses	100%	0%	0%	-	-	-	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Depreciation	100%	0%	0%	261.95	-	-	261.95	312.59	0.00	0.00	312.59	243.17	0.00	0.00	243.17	383.35	0.00	0.00	383.35	460.63	0.00	0.00	460.63
5	Interest on Long-Term Loan	100%	0%	0%	425.82	-	-	425.82	285.53	0.00	0.00	285.53	388.98	0.00	0.00	388.98	442.52	0.00	0.00	442.52	448.95	0.00	0.00	448.95
6	Interest on Security Deposit from Consumers and Distribution system Users	70%	20%	10%	15.67	4.48	2.24	22.38	15.45	4.41	2.21	22.07	16.97	4.85	2.42	24.25	15.16	4.33	2.17	21.66	15.88	4.54	2.27	22.68
	Finance/Bank Charges	25%	25%	50%	8.07	8.07	16.13	32.26	5.52	2.17	4.33	12.01	2.10	2.10	4.20	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Interest on Working Capital	100%	0%	0%	194.57	-	-	194.568	218.35	0.00	0.00	218.35	316.12	0.00	0.00	316.12	186.05	0.00	0.00	186.05	196.45	0.00	0.00	196.45
8	Bad and Doubtful Debts	25%	25%	50%	46.98	46.98	93.96	187.92	49.18	49.18	98.36	196.72	41.15	41.15	82.30	164.61	78.35	78.35	156.71	313.41	89.22	89.22	178.43	356.87
9	Contribution towards Contingency Fund	25%	25%	50%	-	-	-	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Return on Equity	100%	0%	0%	352.86	-	-	352.86	383.39	0.00	0.00	383.39	476.32	0.00	0.00	476.32	588.65	0.00	0.00	588.65	673.82	0.00	0.00	673.82
11	Income Tax	100%	0%	0%	-	-	-	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Sub-Total				7,537.61	5,955.31	201.32	13,694.24	8,416.07	6,786.28	1,406.35	16,608.69	10,184.79	7,442.37	332.99	17,960.15	10,176.13	7,215.29	301.69	17,693.12	11,810.67	8,497.65	343.10	20,651.42
	Less:							0				0.00				0.00				0.00				0.00
12	Income from other Business				-	-	-	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Non tariff income	100%	0%	0%	326.93	-	-	326.93	307.20	0.00	0.00	307.20	0.00	284.31	0.00	284.31	12.57	0.00	0.00	12.57	12.57	0.00	0.00	12.57
14	Revenue from Open Access Customers	0%	100%	0%	-	-	-	0	0.00	0.57	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.57	0.00	0.57	0.00	0.57
15	Sub-Total				326.93	-	-	326.93	307.20	0.57	-	307.77	-	284.31	-	284.31	12.57	0.57	-	13.14	12.57	0.57	-	13.14
16	Total Expenditure				7,210.68	5,955.31	201.32	13,367.32	8,108.87	6,785.71	1,406.35	16,300.92	10,184.79	7,158.06	332.99	17,675.84	10,163.56	7,214.72	301.69	17,679.97	11,798.10	8,497.08	343.10	20,638.28

Urban Schedule - Supply at 11 kV	1.41%	101.31	1.48%	119.90	1.92%	195.81	1.55%	157.17	1.82%	214.88
Urban Schedule - Supply above 11 kV	0.50%	36.24	0.53%	43.26	0.34%	34.75	0.27%	27.89	0.32%	38.13
Sub total	1.91%	137.55	2.01%	163.16	2.38%	242.32	1.91%	194.50	2.25%	265.31
HV-2: Large and Heavy Power above 100 BHP (75 kW)										
HV2 Urban Schedule: Supply at 11 kV	5.71%	412.00	4.78%	387.84	3.23%	328.72	3.37%	342.62	3.00%	353.87
HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	0.01%	0.90	1.49%	120.53	1.82%	185.11	1.90%	192.94	1.72%	203.15
HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	0.00%	0.06	0.28%	22.58	0.37%	37.89	0.39%	39.49	0.36%	42.37
HV2 Urban Schedule: Supply above 132 kV	0.01%	0.95	0.03%	2.52	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV2 Rural Schedule: Supply at 11 kV	0.00%	0.00	0.00%	0.11	0.02%	2.40	0.02%	2.50	0.02%	2.63
Sub total	5.74%	413.91	6.58%	533.58	5.44%	554.12	5.68%	577.55	5.10%	602.02
HV-3: Railway Traction										
HV3 Supply at and above 132 kV	1.53%	110.67	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV3 Supply below 132 kV	0.83%	59.69	0.00%	0.00	0.00%	0.00	0.08%	7.97	0.07%	8.45
HV3 For Metro traction	0.00%	0.00	0.12%	9.52	0.00%	0.00	0.00%	0.00	0.00%	0.00
Sub total	2.36%	170.36	0.12%	9.52	0.00%	0.00	0.08%	7.97	0.07%	8.45
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)										
HV4 Supply at 11kV	1.02%	73.57	1.09%	88.27	1.00%	101.99	0.95%	96.89	0.91%	107.66
HV4 Supply above 11kV & upto 66kV	1.93%	138.91	1.63%	132.15	1.27%	129.00	1.21%	122.55	1.15%	136.18
HV4 Supply above 66 kV & upto 132kV	0.01%	0.82	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Sub total	2.96%	213.30	2.72%	220.42	2.27%	230.99	2.16%	219.44	2.07%	243.83
Bulk supply	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Extra state consumers	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.01%	1.42	0.01%	1.51
Grand Total	100%	7210.68	100%	8108.87	100%	10184.79	100%	10163.56	100%	11798.10

*All categories/subcategories/ToD Slabs etc will be strictly as per Rate schedule.

Note: Coincident peak demand means the demand as measured at G-T interface for the Distribution Licensee occurring at the time of system peak demand for the State.

Form No: F4

Name of Distribution Licensee

Allocation of Energy Costs

S.No.	Particulars	Past year Data				True- Up		APR		ARR	
		FY 2017-18		FY 2018-19		FY 2019-20		FY 2020-21		FY 2021-22	
		Trued- Up		Trued- Up		Claimed		Revised Estimates		Projected	
		Ratio of Categorywise Electricity Consumed(%)	Allocation (Rs.)	Ratio of Categorywise Electricity Consumed(%)	Allocation (Rs.)	Ratio of Categorywise Electricity Consumed(%)	Allocation (Rs.)	Ratio of Categorywise Electricity Consumed(%)	Allocation (Rs.)	Ratio of Categorywise Electricity Consumed(%)	Allocation (Rs.)
	Total Energy Cost as per Form F2		5,955.31		6,785.71		7,158.06		7,214.72		8,497.08
	LMV-1: Domestic Light, Fan & Power										
	Life Line Consumers (both Rural and Urban) (up to 100 kWh/month)	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Dom: Rural Schedule (unmetered)	1.55%	92.05	1.14%	77.06	1.34%	96.26	1.31%	94.43	1.27%	108.24
	Dom: Rural Schedule (metered) other than BPL	25.40%	1512.64	16.63%	1128.36	11.88%	850.38	11.56%	834.25	0.00%	0.00
	Dom: Supply at Single Point for Bulk Load	6.41%	381.75	19.70%	1336.71	30.62%	2191.54	29.80%	2149.95	44.37%	3769.90
	Other Metered Domestic Consumers other than BPL	0.68%	40.51	0.69%	46.76	0.18%	13.15	0.18%	12.90	0.17%	14.08
	Sub total	16.23%	966.66	15.10%	1024.73	15.57%	1114.63	15.16%	1093.48	15.93%	1353.66
	LMV-2: Non Domestic Light, Fan & Power	50.27%	2993.62	53.25%	3613.62	59.60%	4265.95	58.01%	4185.00	61.74%	5245.89
	Non Dom: Rural Schedule (unmetered)	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Non Dom: Rural Schedule (metered)	0.60%	35.65	0.48%	32.65	0.21%	14.90	0.19%	13.90	0.00%	0.00
	Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign	0.60%	35.58	0.88%	59.38	0.88%	63.03	0.82%	58.83	1.00%	84.99
	Non Dom: Other Metered Non-Domestic Supply	0.06%	3.56	0.01%	0.71	0.00%	0.34	0.00%	0.31	0.00%	0.36
	Sub total	9.57%	569.88	9.84%	667.70	8.33%	596.24	7.71%	556.50	7.80%	662.62
	LMV-3: Public Lamps	10.83%	644.67	11.21%	760.43	9.42%	674.51	8.73%	629.55	8.80%	747.97
	Unmetered	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Unmetered - Gram Panchayat	0.08%	4.88	0.03%	2.28	0.01%	1.01	0.02%	1.32	0.00%	0.00
	Unmetered - Nagar Palika & Nagar Panchayat	0.35%	20.84	0.28%	18.99	0.16%	11.14	0.20%	14.54	0.00%	0.00
	Unmetered - Nagar Nigam	0.06%	3.71	0.06%	4.09	0.06%	4.04	0.07%	5.28	0.00%	0.00
	Metered	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Metered - Gram Panchayat	0.00%	0.00	0.00%	0.00	0.00%	0.10	0.00%	0.13	0.02%	1.53
	Metered - Nagar Palika & Nagar Panchayat	0.06%	3.77	0.06%	4.27	0.05%	3.61	0.07%	4.71	0.23%	19.64
	Metered - Nagar Nigam	0.32%	19.02	0.28%	19.04	0.19%	13.82	0.25%	18.03	0.25%	21.21
	Sub total	0.88%	52.22	0.72%	48.66	0.47%	33.73	0.61%	44.00	0.50%	42.38
	LMV-4: Light, fan & Power for Institutions	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Inst: Public	0.91%	54.41	0.79%	53.54	0.73%	51.91	1.05%	75.64	0.68%	57.82
	Inst: Private	0.20%	11.95	0.22%	14.79	0.17%	12.24	0.25%	17.84	0.16%	13.76
	Sub total	1.11%	66.37	1.01%	68.33	0.90%	64.14	1.30%	93.48	0.84%	71.58
	LMV-5: Private Tube Wells/ Pumping Sets	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Unmetered	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	PTW: Rural Schedule (unmetered)	9.09%	541.33	9.59%	650.76	9.38%	671.45	10.50%	757.20	8.89%	755.08
	Metered	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	PTW: Rural Schedule (metered)	0.23%	13.42	0.46%	30.98	0.48%	34.43	0.54%	38.83	0.46%	38.72
	PTW: Urban Schedule (metered)	0.21%	12.64	0.12%	7.89	0.24%	17.53	0.27%	19.77	0.23%	19.34
	Sub total	9.53%	567.40	10.16%	689.63	10.11%	723.42	11.31%	815.81	9.57%	813.15
	LMV 6: Small and Medium Power upto 100 HP (75 kW)	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Consumers getting supply as per "Rural Schedule"	0.98%	58.20	0.76%	51.40	0.49%	34.85	0.52%	37.17	0.45%	38.07
	Consumers getting supply other than "Rural Schedule"	4.61%	274.53	4.00%	271.22	2.09%	149.65	2.21%	159.62	1.98%	168.29
	Sub total	5.59%	332.73	4.75%	322.62	2.58%	184.50	2.73%	196.79	2.43%	206.36
	LMV-7: Public Water Works	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Rural Schedule	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Rural Schedule: Jal Nigam	0.76%	45.27	0.57%	38.52	0.48%	34.40	0.56%	40.33	0.44%	37.58
	Rural Schedule: Jal Sansthan	0.23%	13.59	0.40%	27.02	0.09%	6.46	0.11%	7.58	0.08%	7.06
	Rural Schedule: Other PWWs	0.09%	5.21	0.04%	2.53	0.07%	5.07	0.08%	5.94	0.07%	5.53
	Urban Schedule	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Urban Schedule: Jal Nigam	0.47%	28.02	0.07%	4.65	0.15%	10.40	0.17%	12.19	0.13%	11.36
	Urban Schedule: Jal Sansthan	1.00%	59.26	0.54%	36.84	0.67%	47.93	0.78%	56.19	0.63%	53.90
	Urban Schedule: Other PWWs	0.08%	4.62	0.42%	28.83	0.11%	7.73	0.13%	9.07	0.10%	8.70
	Sub total	2.62%	155.97	2.04%	138.40	1.56%	111.99	1.82%	131.29	1.46%	124.13
	LMV-8: State Tube Wells & Pump Canals upto 100 HP	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Metered	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Metered STW	0.10%	6.24	0.11%	7.20	0.09%	6.52	0.10%	7.09	4.66%	396.21
	Unmetered	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	5.35%	318.57	4.62%	313.23	4.46%	319.29	4.81%	347.15	0.00%	0.00
	Unmetered: Laghu Dal Nahar above 100 BHP	0.34%	20.11	0.20%	13.62	0.19%	13.51	0.20%	14.69	0.00%	0.00
	Sub total	5.79%	344.93	4.92%	334.05	4.74%	339.32	5.11%	368.92	4.66%	396.21
	LMV-9: Temporary Supply	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Metered	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Metered TS: Individual residential consumers	0.00%	0.01	0.00%	0.02	0.01%	0.48	0.04%	3.01	0.01%	0.53
	Metered TS: Others	0.00%	0.02	0.00%	0.02	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Unmetered	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Unmetered TS: Ceremonies	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Unmetered TS: Temp shops	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Sub total	0.00%	0.03	0.00%	0.03	0.01%	0.48	0.04%	3.01	0.01%	0.53
	LMV-10: Departmental Employees	0.42%	25.08	0.51%	34.42	0.53%	37.93	0.50%	36.39	0.49%	41.43
	LMV-11: Electrical Vehicles	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Multi Story Buildings	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	LMV-1b	0.00%	0.00	0.00%	0.02	0.00%	0.00	0.00%	0.00	0.00%	0.00
	HV-1b	0.00%	0.00	0.00%	0.02	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Public Charging Station	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	LT	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	HT	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Sub total	0.00%	0.00	0.00%	0.03	0.00%	0.00	0.00%	0.00	0.00%	0.00
	HV-1: Non-Industrial Bulk Loads	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Urban Schedule - Supply at 11 kV	1.41%	83.67	1.48%	100.33	1.92%	137.62	1.55%	111.57	1.82%	154.76
	Urban Schedule - Supply above 11 kV	0.50%	29.93	0.53%	36.20	0.34%	24.42	0.27%	19.80	0.32%	27.46
	Sub total	1.91%	113.60	2.01%	136.54	2.38%	170.31	1.91%	138.07	2.25%	191.08
	HV-2: Large and Heavy Power above 100 BHP (75 kW)	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	HV2 Urban Schedule: Supply at 11 kV	5.71%	340.27	4.78%	324.55	3.23%	231.03	3.37%	243.21	3.00%	254.86
	HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	0.01%	0.74	1.49%	100.86	1.82%	130.10	1.90%	136.96	1.72%	146.31
	HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	0.00%	0.05	0.28%	18.89	0.37%	26.63	0.39%	28.03	0.36%	30.51
	HV2 Urban Schedule: Supply above 132 kV	0.01%	0.78	0.03%	2.11	0.00%	0.00	0.00%	0.00	0.00%	0.00
	HV2 Rural Schedule: Supply at 11 kV	0.00%	0.00	0.00%	0.09	0.02%	1.69	0.02%	1.77	0.02%	1.90
	Sub total	5.74%	341.85	6.58%	446.51	5.44%	389.45	5.68%	409.98	5.10%	433.58
	HV-3: Railway Traction	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00

HV3 Supply at and above 132 kV	1.53%	91.40	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV3 Supply below 132 kV	0.83%	49.30	0.00%	0.00	0.00%	0.00	0.08%	5.66	0.07%	6.08
HV3 For Metro traction	0.00%	0.00	0.12%	7.97	0.00%	0.00	0.00%	0.00	0.00%	0.00
Sub total	2.36%	140.70	0.12%	7.97	0.00%	0.00	0.08%	5.66	0.07%	6.08
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV4 Supply at 11kV	1.02%	60.76	1.09%	73.87	1.00%	71.68	0.95%	68.78	0.91%	77.53
HV4 Supply above 11kV & upto 66kV	1.93%	114.72	1.63%	110.59	1.27%	90.67	1.21%	87.00	1.15%	98.08
HV4 Supply above 66 kV & upto 132kV	0.01%	0.68	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Sub total	2.96%	176.16	2.72%	184.46	2.27%	162.34	2.16%	155.77	2.07%	175.61
Bulk supply	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Extra state consumers	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.01%	1.01	0.01%	1.09
Grand Total	100.00%	5955.31	100.00%	6785.71	100.00%	7158.06	100.00%	7214.72	100.00%	8497.08

*All categories/subcategories/ToD Slabs etc will be strictly as per Rate schedule.

Form No: F4A

Determination of Categorywise Energy Consumption

PuVvNL	Past year Data				True- Up		APR		ARR	
	FY 2017-18		FY 2018-19		FY 2019-20		FY 2020-21		FY 2021-22	
	Trued Up		Trued Up		Claimed		Revised Estimates		Projected	
	Energy Consumption (MU)	Ratio %	Energy Consumption (MU)	Ratio %	Energy Consumption (MU)	Ratio %	Energy Consumption (MU)	Ratio %	Energy Consumption (MU)	Ratio %
LMV-1: Domestic Light, Fan & Power										
Life Line Consumers (both Rural and Urban) (up to 100 kWh/month)	320.85	1.55%	236.14	1.14%	286	1.34%	281.14	1.31%	299.86	1.27%
Dom: Rural Schedule (unmetered)	5272.60	25.40%	3457.95	16.63%	2523	11.88%	2,483.75	11.56%	-	0.00%
Dom: Rural Schedule (metered) other than BPL	1330.68	6.41%	4096.45	19.70%	6502	30.62%	6,400.93	29.80%	10,443.37	44.37%
Dom: Supply at Single Point for Bulk Load	141.22	0.68%	143.29	0.69%	39	0.18%	38.39	0.18%	39.00	0.17%
Other Metered Domestic Consumers other than BPL	3369.47	16.23%	3140.36	15.10%	3307	15.57%	3,255.56	15.16%	3,749.91	15.93%
Sub total	10434.82	50.27%	11074.20	53.25%	12656.65	59.60%	12459.78	58.01%	14532.14	61.74%
LMV-2: Non Domestic Light, Fan & Power										
Non Dom: Rural Schedule (unmetered)	124.26	0.60%	100.06	0.48%	44	0.21%	41.40	0.19%	-	0.00%
Non Dom: Rural Schedule (metered)	124.03	0.60%	181.98	0.88%	187	0.88%	175.14	0.82%	235.44	1.00%
Non Dom: Private Advertising /Sign Post/Sign Board/	12.41	0.06%	2.16	0.01%	1	0.00%	0.94	0.00%	1.01	0.00%
Non Dom: Other Metered Non-Domestic Supply	1986.41	9.57%	2046.20	9.84%	1769	8.33%	1,656.84	7.71%	1,835.59	7.80%
Sub total	2247.11	10.83%	2330.41	11.21%	2001.20	9.42%	1874.31	8.73%	2072.03	8.80%
LMV-3: Public Lamps										
Unmetered										
Unmetered - Gram Panchayat	17.00	0.08%	7.00	0.03%	3	0.01%	3.93	0.02%	-	0.00%
Unmetered - Nagar Palika & Nagar Panchayat	72.65	0.35%	58.19	0.28%	33	0.16%	43.29	0.20%	-	0.00%
Unmetered - Nagar Nigam	12.95	0.06%	12.53	0.06%	12	0.06%	15.71	0.07%	-	0.00%
Metered	0.00	0.00%	0.00	0.00%	0	0.00%	0.39	0.00%	4.24	0.02%
Metered - Gram Panchayat	0.00	0.00%	0.00	0.00%	0	0.00%	0.39	0.00%	4.24	0.02%
Metered - Nagar Palika & Nagar Panchayat	13.15	0.06%	13.07	0.06%	11	0.05%	14.01	0.07%	54.41	0.23%
Metered - Nagar Nigam	66.30	0.32%	58.34	0.28%	41	0.19%	53.68	0.25%	58.76	0.25%
Sub total	182.04	0.88%	149.13	0.72%	100.06	0.47%	131.01	0.61%	117.41	0.50%
LMV-4: Light, fan & Power for Institutions										
Inst: Public	189.66	0.91%	164.09	0.79%	154	0.73%	225.21	1.05%	160.16	0.68%
Inst: Private	41.67	0.20%	45.31	0.22%	36	0.17%	53.10	0.25%	38.13	0.16%
Sub total	231.33	1.11%	209.41	1.01%	190.31	0.90%	278.31	1.30%	198.29	0.84%
LMV-5: Private Tube Wells/ Pumping Sets										
Unmetered										
PTW: Rural Schedule (unmetered)	1886.91	9.09%	1994.30	9.59%	1992	9.38%	2,254.38	10.50%	2,091.73	8.89%
Metered										
PTW: Rural Schedule (metered)	46.77	0.23%	94.94	0.46%	102	0.48%	115.61	0.54%	107.27	0.46%
PTW: Urban Schedule (metered)	44.07	0.21%	24.19	0.12%	52	0.24%	58.87	0.27%	53.58	0.23%
Sub total	1977.76	9.53%	2113.43	10.16%	2146.31	10.11%	2428.86	11.31%	2252.58	9.57%
LMV 6: Small and Medium Power upto 100 HP (75 kW)										
Consumers getting supply as per "Rural Schedule"	202.87	0.98%	157.52	0.76%	103	0.49%	110.66	0.52%	105.46	0.45%
Consumers getting supply other than "Rural Schedule"	956.92	4.61%	831.18	4.00%	444	2.09%	475.22	2.21%	466.20	1.98%
Sub total	1159.79	5.59%	988.70	4.75%	547.39	2.58%	585.88	2.73%	571.66	2.43%
LMV-7: Public Water Works										
Rural Schedule										
Rural Schedule: Jal Nigam	157.80	0.76%	118.05	0.57%	102	0.48%	120.07	0.56%	104.11	0.44%
Rural Schedule: Jal Sansthan	47.35	0.23%	82.81	0.40%	19	0.09%	22.56	0.11%	19.56	0.08%
Rural Schedule: Other PWWs	18.15	0.09%	7.77	0.04%	15	0.07%	17.68	0.08%	15.33	0.07%
Urban Schedule										
Urban Schedule: Jal Nigam	97.67	0.47%	14.24	0.07%	31	0.15%	36.28	0.17%	31.46	0.13%
Urban Schedule: Jal Sansthan	206.56	1.00%	112.89	0.54%	142	0.67%	167.28	0.78%	149.32	0.63%
Urban Schedule: Other PWWs	16.11	0.08%	88.36	0.42%	23	0.11%	26.99	0.13%	24.09	0.10%
Sub total	543.65	2.62%	424.13	2.04%	332.28	1.56%	390.88	1.82%	343.88	1.46%
LMV-8: State Tube Wells & Pump Canals upto 100 HP										
Metered										
Metered STW	21.76	0.10%	22.06	0.11%	19	0.09%	21.10	0.10%	1,097.57	4.66%
Unmetered										
Unmetered: STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	1110.44	5.35%	959.92	4.62%	947	4.46%	1,033.54	4.81%	-	0.00%
Unmetered: Laghu Dal Nahar above 100 BHP	70.11	0.34%	41.74	0.20%	40	0.19%	43.73	0.20%	-	0.00%
Sub total	1202.30	5.79%	1023.72	4.92%	1006.72	4.74%	1098.36	5.11%	1097.57	4.66%
LMV-9: Temporary Supply										
Metered										
Metered TS: Individual residential consumers	0.05	0.00%	0.05	0.00%	1	0.01%	8.96	0.04%	1.47	0.01%
Metered TS: Others	0.05	0.00%	0.06	0.00%	0	0.00%	-	0.00%	-	0.00%
Unmetered										
Unmetered TS: Ceremonies	0.00	0.00%	0.00	0.00%	0	0.00%	-	0.00%	-	0.00%
Unmetered TS: Temp shops	0.00	0.00%	0.00	0.00%	0	0.00%	-	0.00%	-	0.00%
Sub total	0.10	0.00%	0.10	0.00%	1.43	0.01%	8.96	0.04%	1.47	0.01%
LMV-10: Departmental Employees	87.41	0.42%	105.49	0.51%	112.53	0.53%	108.34	0.50%	114.78	0.49%
LMV-11: Electrical Vehicles										
Multi Story Buildings										
LMV-1b	0.00	0.00%	0.05	0.00%	0	0.00%	-	0.00%	-	0.00%
HV-1b	0.00	0.00%	0.06	0.00%	0	0.00%	-	0.00%	-	0.00%
Public Charging Station										
LT	0.00	0.00%	0.00	0.00%	0	0.00%	-	0.00%	-	0.00%
HT	0.00	0.00%	0.00	0.00%	0	0.00%	-	0.00%	-	0.00%
Sub total	0.00	0.00%	0.10	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%
HV-1: Non-Industrial Bulk Loads										
Urban Schedule - Supply at 11 kV	291.66	1.41%	307.48	1.48%	408	1.92%	332.16	1.55%	428.72	1.82%
Urban Schedule - Supply above 11 kV	104.32	0.50%	110.95	0.53%	72	0.34%	58.95	0.27%	76.08	0.32%
Sub total	395.98	1.91%	418.42	2.01%	505.29	2.38%	411.07	1.91%	529.33	2.25%
HV-2: Large and Heavy Power above 100 BHP (75 kW)										
HV2 Urban Schedule: Supply at 11 kV	1186.07	5.71%	994.62	4.78%	685	3.23%	724.10	3.37%	706.01	3.00%
HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	2.60	0.01%	309.09	1.49%	386	1.82%	407.77	1.90%	405.30	1.72%
HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	0.18	0.00%	57.90	0.28%	79	0.37%	83.46	0.39%	84.53	0.36%
HV2 Urban Schedule: Supply above 132 kV	2.72	0.01%	6.47	0.03%	0	0.00%	-	0.00%	-	0.00%
HV2 Rural Schedule: Supply at 11 kV	0.01	0.00%	0.28	0.00%	5	0.02%	5.28	0.02%	5.25	0.02%
Sub total	1191.58	5.74%	1368.37	6.58%	1155.45	5.44%	1220.61	5.68%	1201.09	5.10%
HV-3: Railway Traction										
HV3 Supply at and above 132 kV	318.60	1.53%	0.00	0.00%	0	0.00%	-	0.00%	-	0.00%
HV3 Supply below 132 kV	171.83	0.83%	0.00	0.00%	0	0.00%	16.85	0.08%	16.85	0.07%
HV3 For Metro traction	0.00	0.00%	24.42	0.12%	0	0.00%	-	0.00%	-	0.00%
Sub total	490.43	2.36%	24.42	0.12%	0.00	0.00%	16.85	0.08%	16.85	0.07%
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)										
HV4 Supply at 11kV	211.79	1.02%	226.37	1.09%	213	1.00%	204.76	0.95%	214.79	0.91%
HV4 Supply above 11kV & upto 66kV	399.89	1.93%	338.91	1.63%	269	1.27%	259.01	1.21%	271.69	1.15%
HV4 Supply above 66 kV & upto 132kV	2.37	0.01%	0.00	0.00%	0	0.00%	-	0.00%	-	0.00%
Sub total	614.05	2.96%	565.28	2.72%	482.00	2.27%	463.77	2.16%	486.48	2.07%
Bulk supply	0.00	0.00%	0.00	0.00%	0	0.00%	-	0.00%	-	0.00%
Extra state consumers	0.00	0.00%	0.00	0.00%	0	0.00%	3.01	0.01%	3.01	0.01%
Grand Total	20758.35	100.00%	20795.31	100.00%	21237.26	100.00%	21480.00	100.00%	23538.56	100.00%

Form No: F5

Name of Distribution Licensee

Allocation of Customer Costs

S.No	Particulars	Past year Data				True- Up		APR		ARR	
		FY 2017-18		FY 2018-19		FY 2019-20		FY 2020-21		FY 2021-22	
		Trued- Up		Trued- Up		Claimed		Revised Estimates		Projected	
		Ratio of Categorywise Consumers (%)	Allocation of Amount	Ratio of Categorywise Electricity Consumed	Allocation (Rs.)	Ratio of Categorywise Electricity Consumed	Allocation (Rs.)	Ratio of Categorywise Electricity Consumed	Allocation (Rs.)	Ratio of Categorywise Electricity Consumed	Allocation (Rs.)
	Total Customer Costs as per Form F2		201.32		1,406.35		332.99		301.69		343.10
	LMV-1: Domestic Light, Fan & Power										
	Life Line Consumers (both Rural and Urban)										
	(up to 100 kWh/month)	3.42%	6.89	2.72%	38.28	3.55%	11.84	3.57%	10.78	3.57%	12.26
	Dom: Rural Schedule (unmetered)	39.02%	78.56	20.28%	285.16	14.86%	49.49	0.00%	0.00	0.00%	0.00
	Dom: Rural Schedule (metered) other than	21.28%	42.83	50.80%	714.43	55.91%	186.19	70.71%	213.33	70.73%	242.67
	Dom: Supply at Single Point for Bulk Load	0.02%	0.03	0.01%	0.19	0.00%	0.01	0.02%	0.07	0.02%	0.08
	Other Metered Domestic Consumers other	22.89%	46.08	16.31%	229.36	15.81%	52.66	15.90%	47.96	15.90%	54.55
	Sub total	86.62%	174.39	90.12%	1267.42	90.15%	300.19	90.21%	272.14	90.22%	309.56
	LMV-2: Non Domestic Light, Fan & Power										
	Non Dom: Rural Schedule (unmetered)	0.59%	1.19	0.37%	5.21	0.32%	1.06	0.00%	0.00	0.00%	0.00
	Non Dom: Rural Schedule (metered)	0.66%	1.33	0.58%	8.11	0.74%	2.45	1.04%	3.15	1.04%	3.58
	Non Dom: Private Advertising /Sign Post/Si	0.01%	0.01	0.00%	0.06	0.00%	0.02	0.00%	0.01	0.00%	0.01
	Non Dom: Other Metered Non-Domestic St	5.68%	11.43	4.08%	57.35	3.94%	13.12	3.92%	11.84	3.92%	13.46
	Sub total	6.93%	13.96	5.03%	70.73	5.00%	16.65	4.97%	15.00	4.97%	17.06
	LMV-3: Public Lamps										
	Unmetered										
	Unmetered - Gram Panchayat	0.00%	0.00	0.00%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Unmetered - Nagar Palika & Nagar Panchay	0.00%	0.01	0.00%	0.03	0.00%	0.01	0.00%	0.00	0.00%	0.00
	Unmetered - Nagar Nigam	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Metered										
	Metered - Gram Panchayat	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Metered - Nagar Palika & Nagar Panchayat	0.00%	0.00	0.00%	0.01	0.00%	0.00	0.00%	0.01	0.00%	0.01
	Metered - Nagar Nigam	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Sub total	0.01%	0.01	0.00%	0.05	0.00%	0.01	0.00%	0.01	0.00%	0.01
	LMV-4: Light, fan & Power for Institutions										
	Inst: Public	0.27%	0.53	0.20%	2.77	0.23%	0.76	0.22%	0.68	0.22%	0.76
	Inst: Private	0.05%	0.09	0.04%	0.50	0.04%	0.12	0.04%	0.11	0.04%	0.12
	Sub total	0.31%	0.63	0.23%	3.27	0.26%	0.88	0.26%	0.78	0.26%	0.89
	LMV-5: Private Tube Wells/ Pumping Sets										
	Unmetered										
	PTW: Rural Schedule (unmetered)	4.48%	9.01	3.38%	47.48	3.37%	11.21	3.35%	10.11	3.35%	11.50
	Metered										
	PTW: Rural Schedule (metered)	0.27%	0.54	0.24%	3.41	0.28%	0.92	0.27%	0.83	0.27%	0.94
	PTW: Urban Schedule (metered)	0.08%	0.16	0.06%	0.85	0.02%	0.07	0.02%	0.06	0.02%	0.07
	Sub total	4.82%	9.71	3.68%	51.74	3.66%	12.20	3.65%	11.00	3.65%	12.51
	LMV 6: Small and Medium Power upto 100 HP (75 kW)										
	Consumers getting supply as per "Rural Sch	0.29%	0.59	0.20%	2.77	0.19%	0.62	0.18%	0.56	0.18%	0.62
	Consumers getting supply other than "Rura	0.28%	0.57	0.19%	2.73	0.17%	0.58	0.17%	0.52	0.17%	0.60
	Sub total	0.57%	1.16	0.39%	5.50	0.36%	1.20	0.36%	1.08	0.35%	1.21
	LMV-7: Public Water Works										
	Rural Schedule										
	Rural Schedule: Jal Nigam	0.02%	0.04	0.04%	0.54	0.02%	0.05	0.02%	0.05	0.01%	0.05
	Rural Schedule: Jal Sansthan	0.00%	0.01	0.01%	0.20	0.00%	0.00	0.00%	0.00	0.00%	0.00
	Rural Schedule: Other PWWs	0.00%	0.01	0.00%	0.01	0.00%	0.01	0.00%	0.01	0.00%	0.01
	Urban Schedule										
	Urban Schedule: Jal Nigam	0.01%	0.02	0.00%	0.03	0.01%	0.02	0.01%	0.02	0.01%	0.02
	Urban Schedule: Jal Sansthan	0.01%	0.03	0.01%	0.10	0.01%	0.04	0.01%	0.03	0.01%	0.04
	Urban Schedule: Other PWWs	0.00%	0.01	0.01%	0.16	0.00%	0.01	0.00%	0.01	0.00%	0.02
	Sub total	0.05%	0.11	0.07%	1.05	0.04%	0.13	0.04%	0.12	0.04%	0.13
	LMV-8: State Tube Wells & Pump Canals upto 100 HP										
	Metered										
	Metered STW	0.00%	0.01	0.00%	0.05	0.01%	0.02	0.14%	0.41	0.14%	0.47
	Unmetered	0.19%		0.13%		0.00%		0.00%		0.00%	

Unmetered:STW/Panch.Raj/WB/ID/P. Canals	0.19%	0.39	0.13%	1.89	0.13%	0.44	0.00%	0.00	0.00%	0.00
Unmetered: Laghu Dal Nahar above 100 BHP	0.00%	0.00	0.00%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00
Sub total	0.20%	0.40	0.14%	1.94	0.14%	0.46	0.14%	0.41	0.14%	0.47
LMV-9: Temporary Supply										
Metered										
Metered TS: Individual residential consumers	0.00%	0.00	0.00%	0.01	0.00%	0.01	0.00%	0.01	0.00%	0.01
Metered TS: Others	0.00%	0.00	0.00%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00
Unmetered										
Unmetered TS: Ceremonies	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Unmetered TS: Temp shops	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Sub total	0.00%	0.00	0.00%	0.02	0.00%	0.01	0.00%	0.01	0.00%	0.01
LMV-10: Departmental Employees	0.44%	0.89	0.30%	4.28	0.35%	1.17	0.35%	1.06	0.34%	1.17
LMV-11: Electrical Vehicles										
Multi Story Buildings										
LMV-1b	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV-1b	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Public Charging Station										
LT	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HT	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Sub total	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV-1: Non-Industrial Bulk Loads										
Sub total	0.01%	0.02	0.01%	0.13	0.01%	0.03	0.01%	0.03	0.01%	0.03
HV-2: Large and Heavy Power above 100 BHP (75 kW)										
HV2 Urban Schedule: Supply at 11 kV	0.01%	0.03	0.01%	0.19	0.01%	0.04	0.01%	0.04	0.01%	0.04
HV2 Urban Schedule: Supply above 11 kV & upto 66kV	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV2 Urban Schedule: Supply above 66 kV & upto 132kV	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV2 Urban Schedule: Supply above 132 kV & upto 230kV	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV2 Rural Schedule: Supply at 11 kV	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Sub total	0.01%	0.03	0.01%	0.20	0.01%	0.05	0.01%	0.04	0.01%	0.05
HV-3: Railway Traction										
HV3 Supply at and above 132 kV	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV3 Supply below 132 kV	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV3 For Metro traction	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Sub total	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)										
HV4 Supply at 11kV	0.00%	0.00	0.00%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV4 Supply above 11kV & upto 66kV	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
HV4 Supply above 66 kV & upto 132kV	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Sub total	0.00%	0.00	0.00%	0.01	0.00%	0.00	0.00%	0.00	0.00%	0.00
Bulk supply	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Extra state consumers	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Grand Total	100.00%	201.32	100.00%	1406.35	100.00%	332.99	100.00%	301.69	100.00%	343.10

*All categories/subcategories/ToD Slabs etc will be strictly as per Rate schedule.

Form No: F5A

Name of Distribution Licensee

Determination of Categorywise Consumers

PuVVNL	Past year Data				True Up		APR		ARR	
	FY 2017-18		FY 2018-19		FY 2019-20		FY 2020-21		FY 2021-22	
	Trued Up		Trued Up		Claimed		Revised Estimates		Projected	
	No of Consumer	Ratio %	No of Consumer	Ratio %	No of Consumer	Ratio %	No of Consumer	Ratio %	No of Consumer	Ratio %
LMV-1: Domestic Light, Fan & Power										
Life Line Consumers (both Rural and Urban)										
(up to 100 kWh/month)	196612	3.42%	221822	2.72%	296744	3.55%	305646	3.57%	320929	3.57%
Dom: Rural Schedule (unmetered)	2242122	39.02%	1652522	20.28%	1240956	14.86%	0	0.00%	0	0.00%
Dom: Rural Schedule (metered) other than BPL	1222559	21.28%	4140088	50.80%	4668427	55.91%	6049436	70.71%	6351908	70.73%
Dom: Supply at Single Point for Bulk Load	879	0.02%	1081	0.01%	253	0.00%	2061	0.02%	2061	0.02%
Other Metered Domestic Consumers other than BPL	1315238	22.89%	1329148	16.31%	1320347	15.81%	1359957	15.90%	1427955	15.90%
Sub total	4977410	86.62%	7344661	90.12%	7526727	90.15%	7717101	90.21%	8102853	90.22%
LMV-2: Non Domestic Light, Fan & Power										
Non Dom: Rural Schedule (unmetered)	33892	0.59%	30174	0.37%	26539	0.32%	0	0.00%	0	0.00%
Non Dom: Rural Schedule (metered)	37866	0.66%	46996	0.58%	61480	0.74%	89249	1.04%	93711	1.04%
Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign	369	0.01%	363	0.00%	378	0.00%	382	0.00%	386	0.00%
Non Dom: Other Metered Non-Domestic Supply	326289	5.68%	332346	4.08%	329040	3.94%	335621	3.92%	352402	3.92%
Sub total	398416	6.93%	409879	5.03%	417437	5.00%	425251	4.97%	446498	4.97%
LMV-3: Public Lamps										
Unmetered	271		216							
Unmetered - Gram Panchayat	29	0.00%	34	0.00%	29	0.00%	0	0.00%	0	0.00%
Unmetered - Nagar Palika & Nagar Panchayat	235	0.00%	170	0.00%	211	0.00%	0	0.00%	0	0.00%
Unmetered - Nagar Nigam	7	0.00%	12	0.00%	24	0.00%	0	0.00%	0	0.00%
Metered	51		57							
Metered - Gram Panchayat	0	0.00%	0	0.00%	2	0.00%	31	0.00%	32	0.00%
Metered - Nagar Palika & Nagar Panchayat	34	0.00%	38	0.00%	48	0.00%	261	0.00%	272	0.00%
Metered - Nagar Nigam	17	0.00%	19	0.00%	34	0.00%	60	0.00%	63	0.00%
Sub total	322	0.01%	273	0.00%	348	0.00%	352	0.00%	367	0.00%
LMV-4: Light, fan & Power for Institutions										
Inst: Public	15235	0.27%	16067	0.20%	19004	0.23%	19194	0.22%	19962	0.22%
Inst: Private	2710	0.05%	2883	0.04%	3034	0.04%	3064	0.04%	3218	0.04%
Sub total	17945	0.31%	18950	0.23%	22038	0.26%	22258	0.26%	23179	0.26%
LMV-5: Private Tube Wells/ Pumping Sets										
Unmetered	257260		275148							
PTW: Rural Schedule (unmetered)	257260	4.48%	275148	3.38%	281151	3.37%	286774	3.35%	301113	3.35%
Metered	19953		24712							
PTW: Rural Schedule (metered)	15492	0.27%	19760	0.24%	23003	0.28%	23463	0.27%	24636	0.27%
PTW: Urban Schedule (metered)	4461	0.08%	4952	0.06%	1679	0.02%	1696	0.02%	1747	0.02%
Sub total	277213	4.82%	299860	3.68%	305833	3.66%	311933	3.65%	327496	3.65%
LMV 6: Small and Medium Power upto 100 HP (75 kW)										
Consumers getting supply as per "Rural Schedule"	16826	0.29%	16065	0.20%	15628	0.19%	15784	0.18%	16100	0.18%
Consumers getting supply other than "Rural Schedule"	16183	0.28%	15808	0.19%	14544	0.17%	14835	0.17%	15577	0.17%
Sub total	33009	0.57%	31873	0.39%	30172	0.36%	30619	0.36%	31677	0.35%
LMV-7: Public Water Works										
Rural Schedule	1432									
Rural Schedule: Jal Nigam	1111	0.02%	3148	0.04%	1261	0.02%	1286	0.02%	1312	0.01%
Rural Schedule: Jal Sansthan	173	0.00%	1180	0.01%	85	0.00%	87	0.00%	88	0.00%
Rural Schedule: Other PWWs	148	0.00%	74	0.00%	160	0.00%	163	0.00%	166	0.00%
Urban Schedule	1610									
Urban Schedule: Jal Nigam	585	0.01%	158	0.00%	519	0.01%	529	0.01%	540	0.01%
Urban Schedule: Jal Sansthan	845	0.01%	594	0.01%	955	0.01%	974	0.01%	1023	0.01%
Urban Schedule: Other PWWs	180	0.00%	935	0.01%	372	0.00%	379	0.00%	398	0.00%
Sub total	3042	0.05%	6089	0.07%	3352	0.04%	3419	0.04%	3528	0.04%
LMV-8: State Tube Wells & Pump Canals upto 100 HP										
Metered	201		289							
Metered STW	201	0.00%	289	0.00%	473	0.01%	11605	0.14%	12186	0.14%
Unmetered	11168	0.19%	10966	0.13%		0.00%	0	0.00%	0	0.00%

Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	11132	0.19%	10932	0.13%	11090	0.13%	0	0.00%	0	0.00%
Unmetered: Laghu Dal Nahar above 100 BHP	36	0.00%	34	0.00%	33	0.00%	0	0.00%	0	0.00%
Sub total	11369	0.20%	11255	0.14%	11596	0.14%	11605	0.14%	12186	0.14%
LMV-9: Temporary Supply										
Metered	113									
Metered TS: Individual residential consumers	61	0.00%	61	0.00%	174	0.00%	176	0.00%	181	0.00%
Metered TS: Others	52	0.00%	53	0.00%	108	0.00%	109	0.00%	112	0.00%
Unmetered	0	0.00%		0.00%	0	0.00%	0	0.00%	0	0.00%
Unmetered TS: Ceremonies	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Unmetered TS: Temp shops	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Sub total	113	0.00%	114	0.00%	282	0.00%	285	0.00%	293	0.00%
LMV-10: Departmental Employees	25539	0.44%	24797	0.30%	29407	0.35%	29995	0.35%	30595	0.34%
LMV-11: Electrical Vehicles										
Multi Story Buildings	-		0							
LMV-1b	-	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
HV-1b	-	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Public Charging Station	-		0							
LT	-	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
HT	-	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Sub total	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
			0							
HV-1: Non-Industrial Bulk Loads										
Urban Schedule - Supply at 11 kV	656	0.01%	718	0.01%	711	0.01%	725	0.01%	761	0.01%
Urban Schedule - Supply above 11 kV	42	0.00%	47	0.00%	34	0.00%	35	0.00%	36	0.00%
Sub total	698	0.01%	765	0.01%	843	0.01%	858	0.01%	896	0.01%
HV-2: Large and Heavy Power above 100 BHP (75 kW)										
HV2 Urban Schedule: Supply at 11 kV	783	0.01%	1117	0.01%	1087	0.01%	1109	0.01%	1142	0.01%
HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	5	0.00%	27	0.00%	33	0.00%	34	0.00%	35	0.00%
HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	1	0.00%	3	0.00%	4	0.00%	4	0.00%	4	0.00%
HV2 Urban Schedule: Supply above 132 kV	6	0.00%	14	0.00%	0	0.00%	0	0.00%	0	0.00%
HV2 Rural Schedule: Supply at 11 kV	1	0.00%	1	0.00%	24	0.00%	24	0.00%	26	0.00%
Sub total	796	0.01%	1162	0.01%	1148	0.01%	1171	0.01%	1207	0.01%
HV-3: Railway Traction										
HV3 Supply at and above 132 kV	7	0.00%	0	0.00%	0	0.00%	1	0.00%	1	0.00%
HV3 Supply below 132 kV	3	0.00%	3	0.00%	0	0.00%	0	0.00%	0	0.00%
HV3 For Metro traction	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Sub total	10	0.00%	3	0.00%	0	0.00%	1	0.00%	1	0.00%
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)										
HV4 Supply at 11kV	52	0.00%	52	0.00%	26	0.00%	26	0.00%	27	0.00%
HV4 Supply above 11kV & upto 66kV	16	0.00%	16	0.00%	6	0.00%	6	0.00%	6	0.00%
HV4 Supply above 66 kV & upto 132kV	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Sub total	68	0.00%	68	0.00%	32	0.00%	32	0.00%	33	0.00%
Bulk supply	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Extra state consumers	0	0.00%	0	0.00%	0	0.00%	1	0.00%	1	0.00%
Grand Total	5,745,950	100.00%	8,149,749	100.00%	8,349,215	100.00%	8,554,882	100.00%	8980809	100.00%

Determination of Categorywise Cost to Serve

S. No.	Particulars	Past Year Data								Demand Costs
		FY 2017-18				FY 2018-19				
		Trued-Up				Trued-Up				
Demand Costs	Energy Costs	Customer Costs	Total Cost to Serve	Demand Costs	Energy Costs	Customer Costs	Total Cost to Serve	Demand Costs		
	LMV-1: Domestic Light, Fan & Power									
	Life Line Consumers (both Rural and Urban)									
	(up to 100 kWh/month)	111.45	92.05	6.89	210.39	92.08	77.06	38.28	207.42	136.96
	Dom: Rural Schedule (unmetered)	1831.51	1512.64	78.56	3422.71	1348.38	1128.36	285.16	2761.91	1209.96
	Dom: Rural Schedule (metered) other than BPL	462.23	381.75	42.83	886.82	1597.36	1336.71	714.43	3648.50	3118.21
	Dom: Supply at Single Point for Bulk Load	49.05	40.51	0.03	89.60	55.87	46.76	0.19	102.82	18.70
	Other Metered Domestic Consumers other than BPL	1170.43	966.66	46.08	2183.17	1224.54	1024.73	229.36	2478.64	1585.94
	Sub total	3624.67	2993.62	174.39	6792.68	4318.24	3613.62	1267.42	9199.28	6069.77
	LMV-2: Non Domestic Light, Fan & Power									
	Non Dom: Rural Schedule (unmetered)	43.16	35.65	1.19	80.00	39.02	32.65	5.21	76.88	21.20
	Non Dom: Rural Schedule (metered)	43.08	35.58	1.33	79.99	70.96	59.38	8.11	138.45	89.68
	Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign	4.31	3.56	0.01	7.89	0.84	0.71	0.06	1.61	0.48
	Non Dom: Other Metered Non-Domestic Supply	690.01	569.88	11.43	1271.31	797.89	667.70	57.35	1522.94	848.36
	Sub total	780.56	644.67	13.96	1439.19	908.71	760.43	70.73	1739.88	959.72
	LMV-3: Public Lamps									
	Unmetered									
	Unmetered - Gram Panchayat	5.90	4.88	0.00	10.78	2.73	2.28	0.01	5.02	1.44
	Unmetered - Nagar Palika & Nagar Panchayat	25.23	20.84	0.01	46.08	22.69	18.99	0.03	41.71	15.85
	Unmetered - Nagar Nigam	4.50	3.71	0.00	8.21	4.88	4.09	0.00	8.97	5.75
	Metered									
	Metered - Gram Panchayat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
	Metered - Nagar Palika & Nagar Panchayat	4.57	3.77	0.00	8.34	5.10	4.27	0.01	9.37	5.13
	Metered - Nagar Nigam	23.03	19.02	0.00	42.05	22.75	19.04	0.00	41.79	19.66
	Sub total	63.23	52.22	0.01	115.47	58.15	48.66	0.05	106.86	47.99
	LMV-4: Light, fan & Power for Institutions									
	Inst: Public	65.88	54.41	0.53	120.83	63.99	53.54	2.77	120.30	73.85
	Inst: Private	14.47	11.95	0.09	26.52	17.67	14.79	0.50	32.95	17.41
	Sub total	80.36	66.37	0.63	147.35	81.66	68.33	3.27	153.26	91.27
	LMV-5: Private Tube Wells/ Pumping Sets									
	Unmetered									
	PTW: Rural Schedule (unmetered)	655.44	541.33	9.01	1205.79	777.65	650.76	47.48	1475.89	955.37
	Metered									
	PTW: Rural Schedule (metered)	16.25	13.42	0.54	30.21	37.02	30.98	3.41	71.41	48.99
	PTW: Urban Schedule (metered)	15.31	12.64	0.16	28.11	9.43	7.89	0.85	18.18	24.95
	Sub total	687.00	567.40	9.71	1264.11	824.11	689.63	51.74	1565.48	1029.31
	LMV 6: Small and Medium Power upto 100 HP (75 kW)									
	Consumers getting supply as per "Rural Schedule"	70.47	58.20	0.59	129.26	61.42	51.40	2.77	115.60	49.58
	Consumers getting supply other than "Rural Schedule"	332.40	274.53	0.57	607.50	324.11	271.22	2.73	598.06	212.93
	Sub total	402.87	332.73	1.16	736.76	385.53	322.62	5.50	713.65	262.51
	LMV-7: Public Water Works									
	Rural Schedule									
	Rural Schedule: Jal Nigam	54.81	45.27	0.04	100.12	46.03	38.52	0.54	85.10	48.95
	Rural Schedule: Jal Sansthan	16.45	13.59	0.01	30.04	32.29	27.02	0.20	59.52	9.20
	Rural Schedule: Other PWWs	6.31	5.21	0.01	11.52	3.03	2.53	0.01	5.58	7.21
	Urban Schedule									
	Urban Schedule: Jal Nigam	33.93	28.02	0.02	61.97	5.55	4.65	0.03	10.22	14.79
	Urban Schedule: Jal Sansthan	71.75	59.26	0.03	131.04	44.02	36.84	0.10	80.96	68.20
	Urban Schedule: Other PWWs	5.60	4.62	0.01	10.23	34.46	28.83	0.16	63.45	11.00
	Sub total	188.84	155.97	0.11	344.91	165.38	138.40	1.05	304.83	159.35
	LMV-8: State Tube Wells & Pump Canals upto 100 HP									
	Metered									
	Metered STW	7.56	6.24	0.01	13.81	8.60	7.20	0.05	15.85	9.27
	Unmetered									
	Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	385.73	318.57	0.39	704.69	374.31	313.23	1.89	689.42	454.30
	Unmetered: Laghu Dal Nahar above 100 BHP	24.35	20.11	0.00	44.47	16.28	13.62	0.01	29.90	19.22
	Sub total	417.64	344.93	0.40	762.96	399.19	334.05	1.94	735.18	482.79
	LMV-9: Temporary Supply									
	Metered									
	Metered TS: Individual residential consumers	0.02	0.01	0.00	0.03	0.02	0.02	0.01	0.04	0.68
	Metered TS: Others	0.02	0.02	0.00	0.04	0.02	0.02	0.01	0.05	0.00
	Unmetered									
	Unmetered TS: Ceremonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Unmetered TS: Temp shops	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub total	0.04	0.03	0.00	0.07	0.04	0.03	0.02	0.09	0.68
	LMV-10: Departmental Employees	30.36	25.08	0.89	56.33	41.13	34.42	4.28	79.83	53.96
	LMV-11: Electrical Vehicles									
	Multi Story Buildings									
	LMV-1b	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.03	0.00
	HV-1b	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.04	0.00
	Public Charging Station									
	LT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	HT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub total	0.00	0.00	0.00	0.00	0.04	0.03	0.00	0.08	0.00
	HV-1: Non-Industrial Bulk Loads									
	Rural Schedule									
	Urban Schedule - Supply above 11 kV	36.24	29.93	0.00	66.17	43.26	36.20	0.01	79.47	34.75
	Sub total	137.55	113.60	0.02	251.17	163.16	136.54	0.13	299.83	242.32
	HV-2: Large and Heavy Power above 100 BHP (75 kW)									
	HV2 Urban Schedule: Supply at 11 kV	412.00	340.27	0.03	752.29	387.84	324.55	0.19	712.58	328.72
	HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	0.90	0.74	0.00	1.65	120.53	100.86	0.00	221.39	185.11
	HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	0.06	0.05	0.00	0.11	22.58	18.89	0.00	41.47	37.89
	HV2 Urban Schedule: Supply above 132 kV	0.95	0.78	0.00	1.73	2.52	2.11	0.00	4.64	0.00
	HV2 Rural Schedule: Supply at 11 kV	0.00	0.00	0.00	0.01	0.11	0.09	0.00	0.20	2.40
	Sub total	413.91	341.85	0.03	755.79	533.58	446.51	0.20	980.29	554.12
	HV-3: Railway Traction									
	HV3 Supply at and above 132 kV	110.67	91.40	0.00	202.08	0.00	0.00	0.00	0.00	0.00
	HV3 Supply below 132 kV	59.69	49.30	0.00	108.98	0.00	0.00	0.00	0.00	0.00
	HV3 For Metro traction	0.00	0.00	0.00	0.00	9.52	7.97	0.00	17.49	0.00
	Sub total	170.36	140.70	0.00	311.06	9.52	7.97	0.00	17.49	0.00
	HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)									
	HV4 Supply at 11kV	73.57	60.76	0.00	134.33	88.27	73.87	0.01	162.14	101.99
	HV4 Supply above 11kV & upto 66kV	138.91	114.72	0.00	253.63	132.15	110.59	0.00	242.75	129.00
	HV4 Supply above 66 kV & upto 132kV	0.82	0.68	0.00	1.50	0.00	0.00	0.00	0.00	0.00
	Sub total	213.30	176.16	0.00	389.46	220.42	184.46	0.01	404.89	230.99
	Bulk supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Extra state consumers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grand Total	7210.68	5955.31	201.32	13367.32	8108.87	6785.71	1406.35	16300.92	10184.79

*All categories/subcategories/ToD Slabs etc will be strictly as per Rate schedule.

S. No.	Particulars	Past Year Data FY 2017-18					Past Year Data FY 2018-19					Total Cost to Serve (A)	Revenue (B)
		Trued- Up/Audited					Trued- Up/Audited						
		Total Cost to Serve (A)	Revenue (B)	Total Subsidy C=(A)-(B) = (D) + (E)	Govt Subsidy (D)	Cross Subsidy (E)	Total Cost to Serve (A)	Revenue (B)	Total Subsidy C=(A)-(B) = (D) + (E)	Govt Subsidy (D)	Cross Subsidy (E)		
	LMV-1: Domestic Light, Fan & Power												
	Life Line Consumers (both Rural and Urban) (up to 100 kWh/month)	0.00				0.00						245.05	0.00
	Dom: Rural Schedule (unmetered)	210.39				207.42						245.05	0.00
	Dom: Rural Schedule (metered) other than BPL	3422.71				2761.91						2109.83	0.00
	Dom: Supply at Single Point for Bulk Load	886.82				3648.50						5495.93	0.00
	Other Metered Domestic Consumers other than BPL	89.60				102.82						31.86	0.00
	Sub total	2183.17				2478.64						2753.23	0.00
	Sub total	6792.68				9199.28						10635.91	0.00
	LMV-2: Non Domestic Light, Fan & Power												
	Non Dom: Rural Schedule (unmetered)	80.00				76.88						37.15	0.00
	Non Dom: Rural Schedule (metered)	79.99				138.45						155.16	0.00
	Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign	7.89				1.61						0.83	0.00
	Non Dom: Other Metered Non-Domestic Supply	1271.31				1522.94						1457.73	0.00
	Sub total	1439.19				1739.88						1650.88	0.00
	LMV-3: Public Lamps												
	Unmetered												
	Unmetered - Gram Panchayat	10.78				5.02						2.45	0.00
	Unmetered - Nagar Palika & Nagar Panchayat	46.08				41.71						27.01	0.00
	Unmetered - Nagar Nigam	8.21				8.97						9.80	0.00
	Metered												
	Metered - Gram Panchayat	0.00				0.00						0.25	0.00
	Metered - Nagar Palika & Nagar Panchayat	8.34				9.37						8.74	0.00
	Metered - Nagar Nigam	42.05				41.79						33.48	0.00
	Sub total	115.47				106.86						81.73	0.00
	LMV-4: Light, fan & Power for Institutions												
	Inst: Public	120.83				120.30						126.52	0.00
	Inst: Private	26.52				32.95						29.77	0.00
	Sub total	147.35				153.26						156.29	0.00
	LMV-5: Private Tube Wells/ Pumping Sets												
	Unmetered												
	PTW: Rural Schedule (unmetered)	1205.79				1475.89						1638.03	0.00
	Metered												
	PTW: Rural Schedule (metered)	30.21				71.41						84.34	0.00
	PTW: Urban Schedule (metered)	28.11				18.18						42.55	0.00
	Sub total	1264.11				1565.48						1764.92	0.00
	LMV 6: Small and Medium Power upto 100 HP (75 kW)												
	Consumers getting supply as per "Rural Schedule"	129.26				115.60						85.05	0.00
	Consumers getting supply other than "Rural Schedule"	607.50				598.06						363.16	0.00
	Sub total	736.76				713.65						448.21	0.00
	LMV-7: Public Water Works												
	Rural Schedule												
	Rural Schedule: Jal Nigam	100.12				85.10						83.41	0.00
	Rural Schedule: Jal Sansthan	30.04				59.52						15.67	0.00
	Rural Schedule: Other PWWs	11.52				5.58						12.28	0.00
	Urban Schedule												
	Urban Schedule: Jal Nigam	61.97				10.22						25.21	0.00
	Urban Schedule: Jal Sansthan	131.04				80.96						116.17	0.00
	Urban Schedule: Other PWWs	10.23				63.45						18.75	0.00
	Sub total	344.91				304.83						271.48	0.00
	LMV-8: State Tube Wells & Pump Canals upto 100 HP												
	Metered												
	Metered STW	13.81				15.85						15.81	0.00
	Unmetered												
	Unmetered: STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	704.69				689.42						774.03	0.00
	Unmetered: Laghu Dal Nahar above 100 BHP	44.47				29.90						32.73	0.00
	Sub total	762.96				735.18						822.57	0.00
	LMV-9: Temporary Supply												
	Metered												
	Metered TS: Individual residential consumers	0.03				0.04						1.17	0.00
	Metered TS: Others	0.04				0.05						0.00	0.00
	Unmetered												
	Unmetered TS: Ceremonies	0.00				0.00						0.00	0.00
	Unmetered TS: Temp shops	0.00				0.00						0.00	0.00
	Sub total	0.07				0.09						1.18	0.00
	LMV-10: Departmental Employees	56.33				79.83						93.06	0.00
	LMV-11: Electrical Vehicles												
	Multi Story Buildings												0.00
	LMV-1b	0.00				0.03						0.00	0.00
	HV-1b	0.00				0.04						0.00	0.00
	Public Charging Station												0.00
	LT	0.00				0.00						0.00	0.00
	HT	0.00				0.00						0.00	0.00
	Sub total	0.00				0.08						0.00	0.00
	HV-1: Non-Industrial Bulk Loads												
	Rural Schedule												0.00
	Rural Schedule - Supply at 11 kV	0.00				0.00						20.04	0.00
	Rural Schedule - Supply above 11 kV	0.00				0.00						0.00	0.00
	Urban Schedule												
	Urban Schedule - Supply at 11 kV	185.01				220.35						333.46	0.00
	Urban Schedule - Supply above 11 kV	66.17				79.47						59.17	0.00
	Sub total	251.17				299.83						412.67	0.00
	HV-2: Large and Heavy Power above 100 BHP (75 kW)												
	HV2 Urban Schedule: Supply at 11 kV	752.29				712.58						559.80	0.00
	HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	1.65				221.39						315.22	0.00
	HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	0.11				41.47						64.51	0.00
	HV2 Urban Schedule: Supply above 132 kV	1.73				4.64						0.00	0.00
	HV2 Rural Schedule: Supply at 11 kV	0.01				0.20						4.08	0.00
	Sub total	755.79				980.29						943.61	0.00
	HV-3: Railway Traction												
	HV3 Supply at and above 132 kV	202.08				0.00						0.00	0.00
	HV3 Supply below 132 kV	108.98				0.00						0.00	0.00
	HV3 For Metro traction	0.00				17.49						0.00	0.00
	Sub total	311.06				17.49						0.00	0.00
	HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)												
	HV4 Supply at 11kV	134.33				162.14						173.66	0.00
	HV4 Supply above 11kV & upto 66kV	253.63				242.75						219.67	0.00
	HV4 Supply above 66 kV & upto 132kV	1.50				0.00						0.00	0.00
	Sub total	389.46				404.89						393.34	0.00
	Bulk supply	0.00				0.00						0.00	0.00
	Extra state consumers	0.00				0.00						0.00	0.00
	Grand Total	13367.32	9962.73	3404.59	1680.79	1723.80	16300.92	11132.08	5168.84	3376.16	1792.68	17675.84	11641.41

*All categories/subcategories/ToD Slabs etc will be strictly as per Rate schedule.

Revenue from Open Access Customers

S.No	Particulars	Past Year data						True-Up						APR			ARR		
		FY 2017-18			FY 2018-19			FY 2019-20						FY 2020-21			FY 2021-22		
		Trued-Up			Trued-Up			Approved (in TO)			Claimed			Estimated			Projected		
		Cross Subsidy Surcharge	Additional Surcharge	Total	Cross Subsidy Surcharge	Additional Surcharge	Total	Cross Subsidy Surcharge	Additional Surcharge	Total	Cross Subsidy Surcharge	Additional Surcharge	Total	Cross Subsidy Surcharge	Additional Surcharge	Total	Cross Subsidy Surcharge	Additional Surcharge	Total
	LMV-1 Domestic light fan & power			-															
	LMV-2-Non domestic light fan & power			-															
	LMV-3 Public lamps			-															
	LMV-4 Light, fan & power for public/private institution			-															
	LMV-5 Private tube well/pumping sets			-															
	LMV-6 Small & medium power upto 100 hp/75kw			-															
	LMV-7 Public water works			-															
	LMV-8 STATE TUBE WELLS / PANCHAYTI RAJ TUBE WELL & PUMPED CANALS: upto 100 hp			-															
	Lmv-9 Temporary supply			-															
	LMV- 10 Departmental employees and Pensioners			-															
	LMV-11 Electrical Vehicle Charging			-															
	HV-1 Non industrial bulk loads			-															
	HV-2 Large & heavy power above 100 bhp (75 kw)	-	-	-	0.57	-	0.57				0.57	-	0.57	0.57	-	0.57	0.57	-	0.57
	HV-3 Railway traction			-															
	HV-4 Lift irrigation & large pumped canal above 100 bhp (75kw)			-															
	Extra state consumers			-															
	Bulk supply			-															
	Total	-	-	-	0.57	-	0.57				0.57	-	0.57	0.57	-	0.57	0.57	-	0.57

*As per the respective rate schedule of UPERC

Form No: F8

Name of Distribution Licensee

Energy Sales Forecast

PuVVNL	Category	Past Year data						True-Up						APR			ARR		
		FY 2017-18			FY 2018-19			FY 2019-20			FY 2020-21			FY 2021-22					
		Trued-Up			Trued-Up			Approved (in TO)			Claimed			Revised Estimates			Projected		
		Metered Energy Sales	Unmetered Energy Sales	Total Energy Sales	Metered Energy Sales	Unmetered Energy Sales	Total Energy Sales	Metered Energy Sales	Unmetered Energy Sales	Total Energy Sales	Metered Energy Sales	Unmetered Energy Sales	Total Energy Sales	Metered Energy Sales	Unmetered Energy Sales	Total Energy Sales	Metered Energy Sales	Unmetered Energy Sales	Total Energy Sales
(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)	
1	LMV-1: Domestic Light, Fan & Power																		
	Life Line Consumers (both Rural and Urban)																		
	(up to 100 kWh/month)		320.85	320.85		236.14	236.14				285.58	285.58		281.14	281.14		299.86	299.86	
	Dom: Rural Schedule (unmetered)		5272.60	5272.60		3,457.95	3,457.95				2,523.00	2,523.00		2,483.75	2,483.75		-	-	
	Dom: Rural Schedule (metered) other than BPL	1330.68		1330.68	4,096.45		4,096.45			6,502.07		6,502.07	6,400.93		6,400.93		10,443.37	10,443.37	
	Dom: Supply at Single Point for Bulk Load	141.22		141.22	143.29		143.29			39.00		39.00	38.39		38.39		39.00	39.00	
	Other Metered Domestic Consumers other than BPL	3369.47		3369.47	3,140.36		3,140.36			3,307.00		3,307.00	3,255.56		3,255.56		3,749.91	3,749.91	
	Sub total	4841.36	5593.45	10434.82	7,380.11	3,694.09	11,074.20			9,848.07	2,808.58	12,656.65	9,694.88	2,764.89	12,459.78		14,232.28	299.86	14,532.14
2	LMV-2: Non Domestic Light, Fan & Power																		
	Non Dom: Rural Schedule (unmetered)		124.26	124.26		100.06	100.06				44.20	44.20		41.40	41.40		-	-	
	Non Dom: Rural Schedule (metered)	124.03		124.03	181.98		181.98			187.00		187.00	175.14		175.14		235.44	235.44	
	Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign	12.41		12.41	2.16		2.16			1.00		1.00	0.94		0.94		1.01	1.01	
	Non Dom: Other Metered Non-Domestic Supply	1986.41		1986.41	2,046.20		2,046.20			1,769.00		1,769.00	1,656.84		1,656.84		1,835.59	1,835.59	
	Sub total	2122.85	124.26	2247.11	2,230.35	100.06	2,330.41			1,957.00	44.20	2,001.20	1,832.92	41.40	1,874.31		2,072.03	-	2,072.03
3	LMV-3: Public Lamps																		
	Unmetered																		
	Unmetered - Gram Panchayat		17.00	17.00		7.00	7.00				3.00	3.00		3.93	3.93		-	-	
	Unmetered - Nagar Palika & Nagar Panchayat		72.65	72.65		58.19	58.19				33.06	33.06		43.29	43.29		-	-	
	Unmetered - Nagar Nigam		12.95	12.95		12.53	12.53				12.00	12.00		15.71	15.71		-	-	
	Metered			0.00															
	Metered - Gram Panchayat	0.00		0.00	-		-			0.30		0.30	0.39		0.39		4.24	4.24	
	Metered - Nagar Palika & Nagar Panchayat	13.15		13.15	13.07		13.07			10.70		10.70	14.01		14.01		54.41	54.41	
	Metered - Nagar Nigam	66.30		66.30	58.34		58.34			41.00		41.00	53.68		53.68		58.76	58.76	
	Sub total	79.45	102.59	182.04	71.42	77.72	149.13			52.00	48.06	100.06	68.08	62.93	131.01		117.41	-	117.41
4	LMV-4: Light, fan & Power for Institutions																		
	Inst: Public	189.66		189.66	164.09		164.09			154.00		154.00	225.21		225.21		160.16	160.16	
	Inst: Private	41.67		41.67	45.31		45.31			36.31		36.31	53.10		53.10		38.13	38.13	
	Sub total	231.33	0.00	231.33	209.41	-	209.41			190.31	-	190.31	278.31	-	278.31		198.29	-	198.29
5	LMV-5: Private Tube Wells/ Pumping Sets																		
	Unmetered			0.00															
	PTW: Rural Schedule (unmetered)		1886.91	1886.91		1,994.30	1,994.30				1,992.12	1,992.12		2,254.38	2,254.38		2,091.73	2,091.73	
	Metered			-			-					-			-				
	PTW: Rural Schedule (metered)	46.77		46.77	94.94		94.94			102.16		102.16	115.61		115.61		107.27	107.27	
	PTW: Urban Schedule (metered)	44.07		44.07	24.19		24.19			52.02		52.02	58.87		58.87		53.58	53.58	
	Sub total	90.85	1886.91	1977.76	119.13	1,994.30	2,113.43			154.18	1,992.12	2,146.31	174.48	2,254.38	2,428.86		160.85	2,091.73	2,252.58
6	LMV 6: Small and Medium Power upto 100 HP (75 kW)																		
	Consumers getting supply as per "Rural Schedule"	202.87		202.87	157.52		157.52			103.39		103.39	110.66		110.66		105.46	105.46	
	Consumers getting supply other than "Rural Schedule"	956.92		956.92	831.18		831.18			444.00		444.00	475.22		475.22		466.20	466.20	
	Sub total	1159.79	0.00	1159.79	988.70	-	988.70			547.39	-	547.39	585.88	-	585.88		571.66	-	571.66
7	LMV-7: Public Water Works																		
	Rural Schedule																		
	Rural Schedule: Jal Nigam	157.80		157.80	118.05		118.05			102.07		102.07	120.07		120.07		104.11	104.11	
	Rural Schedule: Jal Sansthan	47.35		47.35	82.81		82.81			19.18		19.18	22.56		22.56		19.56	19.56	
	Rural Schedule: Other PWWs	18.15		18.15	7.77		7.77			15.03		15.03	17.68		17.68		15.33	15.33	
	Urban Schedule			-			-					-			-				
	Urban Schedule: Jal Nigam	97.67		97.67	14.24		14.24			30.84		30.84	36.28		36.28		31.46	31.46	
	Urban Schedule: Jal Sansthan	206.56		206.56	112.89		112.89			142.20		142.20	167.28		167.28		149.32	149.32	
	Urban Schedule: Other PWWs	16.11		16.11	88.36		88.36			22.94		22.94	26.99		26.99		24.09	24.09	
	Sub total	543.65	0.00	543.65	424.13	-	424.13			332.28	-	332.28	390.88	-	390.88		343.88	-	343.88
8	LMV-8: State Tube Wells & Pump Canals upto 100 HP																		
	Metered																		
	Metered STW	21.76		21.76	22.06		22.06			19.34		19.34	21.10		21.10		1,097.57	1,097.57	
	Unmetered			-			-					-			-				
	Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP		1110.44	1110.44		959.92	959.92				947.30	947.30		1,033.54	1,033.54		-	-	
	Unmetered: Laghu Dal Nahar above 100 BHP		70.11	70.11		41.74	41.74				40.08	40.08		43.73	43.73		-	-	
	Sub total	21.76	1180.55	1202.30	22.06	1,001.66	1,023.72			19.34	987.38	1,006.72	21.10	1,077.26	1,098.36		1,097.57	-	1,097.57
9	LMV-9: Temporary Supply																		
	Metered																		
	Metered TS: Individual residential consumers	0.05		0.05	0.05		0.05			1.43		1.43	8.96		8.96		1.47	1.47	
	Metered TS: Others	0.05		0.05	0.06		0.06			-		-	-		-		-	-	
	Unmetered			-			-					-			-		-	-	
	Unmetered TS: Ceremonies		0.00	0.00	-		-			-		-	-		-		-	-	
	Unmetered TS: Temp shops		0.00	0.00	-		-			-		-	-		-		-	-	
	Sub total	0.10	0.00	0.10	0.10	-	0.10			1.43	-	1.43	8.96	-	8.96		1.47	-	1.47
10	LMV-10: Departmental Employees		87.41	87.41		105.49	105.49					112.53	112.53		108.34	108.34		114.78	114.78

11	LMV-11: Electrical Vehicles																		
	Multi Story Buildings																		
	LMV-1b		0.00	0.05		0.05				-		-			-		-		-
	HV-1b		0.00	0.06		0.06				-		-			-		-		-
	Public Charging Station			-						-		-			-		-		-
	LT		0.00	-		-				-		-			-		-		-
	HT		0.00	-		-				-		-			-		-		-
	Sub total	0.00	0.00	0.00	0.10	-	0.10			-	-	-	-	-	-	-	-	-	-
12	HV-1: Non-Industrial Bulk Loads																		
	Urban Schedule - Supply at 11 kV	291.66		291.66	307.48		307.48			408.30		408.30	332.16		332.16	428.72		428.72	
	Urban Schedule - Supply above 11 kV	104.32		104.32	110.95		110.95			72.46		72.46	58.95		58.95	76.08		76.08	
	Sub total	395.98	0.00	395.98	418.42	-	418.42			505.29	-	505.29	411.07	-	411.07	529.33	-	529.33	
13	HV-2: Large and Heavy Power above 100 BHP (75 kW)																		
	HV2 Urban Schedule: Supply at 11 kV	1186.07		1186.07	994.62		994.62			685.45		685.45	724.10		724.10	706.01		706.01	
	HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	2.60		2.60	309.09		309.09			386.00		386.00	407.77		407.77	405.30		405.30	
	HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	0.18		0.18	57.90		57.90			79.00		79.00	83.46		83.46	84.53		84.53	
	HV2 Urban Schedule: Supply above 132 kV	2.72		2.72	6.47	-	6.47			-		-	-		-	-		-	
	HV2 Rural Schedule: Supply at 11 kV	0.01		0.01	0.28		0.28			5.00		5.00	5.28		5.28	5.25		5.25	
	Sub total	1191.58	0.00	1191.58	1,368.37	-	1,368.37			1,155.45	-	1,155.45	1,220.61	-	1,220.61	1,201.09	-	1,201.09	
14	HV-3: Railway Traction																		
	HV3 Supply at and above 132 kV	318.60		318.60	-		-			-		-	16.85		16.85	16.85		16.85	
	HV3 Supply below 132 kV	171.83		171.83	24.42		24.42			-		-	-		-	-		-	
	HV3 For Metro traction	0.00		0.00	-		-			-		-	-		-	-		-	
	Sub total	490.43	0.00	490.43	24.42	-	24.42			-	-	-	16.85	-	16.85	16.85	-	16.85	
15	HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)																		
	HV4 Supply at 11kV	211.79		211.79	226.37		226.37			212.66		212.66	204.76		204.76	214.79		214.79	
	HV4 Supply above 11kV & upto 66kV	399.89		399.89	338.91		338.91			269.00		269.00	259.01		259.01	271.69		271.69	
	HV4 Supply above 66 kV & upto 132kV	2.37		2.37	-		-			-		-	-		-	-		-	
	Sub total	614.05		614.05	565.28	-	565.28			481.66	-	481.66	463.77	-	463.77	486.48	-	486.48	
16	Bulk supply	0.00		0.00	-		-			-	-	-	-	-	-	-	-	-	
17	Extra state consumers	0.00		0.00	-		-			-	-	-	3.01		3.01	3.01		3.01	
18	Grand Total	11783.18	8975.17	20758.35	13,821.99	6,973.32	20,795.31			15,244.39	5,992.87	21,237.26	15,170.80	6,309.20	21,480.00	21,032.19	2,506.37	23,538.56	

ARR							
FY 2021-22							
Projected							
Forecasted Metered Energy Sales	Load factor	No. of consumers	Connected load/contracted demand	Forecasted Metered Energy Sales	Adjustments	Forecasted Metered Energy Sales	Load factor
(in MU)		(in '000)	(in KW)	(in MU)		(in MU)	
281.14	8.91%	320929	383872	299.86		299.86	8.92%
2483.75	25.40%	0	0	-		0.00	0.00%
6400.93	11.34%	6351908	8018515	10,443.37		10443.37	14.87%
38.39	17.13%	2061	40668	39.00		39.00	10.95%
3255.56	13.02%	1427955	3042356	3,749.91		3749.91	14.07%
12459.78	13.17%	8102853	11485410	14,532.14	0	14532.14	14.44%
41.40	12.32%	0	0	-		0.00	0.00%
175.14	11.16%	93711	229831	235.44		235.44	11.69%
0.94	2.64%	386	4108	1.01		1.01	2.81%
1656.84	17.62%	352402	1138453	1,835.59		1835.59	18.41%
1874.31	16.52%	446498	1372392	2,072.03	0	2072.03	17.24%
62.93	58.48%	0	0	-	0	0.00	0.00%
3.93	56.05%	0	0	-		0.00	0.00%
43.29	52.73%	0	0	-		0.00	0.00%
15.71	84.90%	0	0	-		0.00	0.00%
68.08	25.50%	367	45104	117.41	0	117.41	29.72%
0.39	4.80%	32	1787	4.24		4.24	27.07%
14.01	12.18%	272	23496	54.41		54.41	26.44%
53.68	37.33%	63	19822	58.76		58.76	33.84%
131.01	34.97%	367	45104	117.41	0	117.41	29.72%
225.21	25.97%	19962	103447	160.16		160.16	17.67%
53.10	20.86%	3218	30666	38.13		38.13	14.19%
278.31	24.81%	23179	134113	198.29	0	198.29	16.88%
2254.38	20.55%	301113	1328154	2,091.73	0	2091.73	17.98%
2254.38	20.55%	301113	1328154	2,091.73		2091.73	17.98%
174.48	28.79%	26383	73120	160.85	0	160.85	25.11%
115.61	22.18%	24636	63092	107.27		107.27	19.41%
58.87	69.37%	1747	10028	53.58		53.58	60.99%
2428.86	20.98%	327496	1401274	2,252.58	0	2252.58	18.35%
110.66	7.69%	16100	168410	105.46		105.46	7.15%
475.22	30.86%	15577	186379	466.20		466.20	28.55%
585.88	19.67%	31677	354789	571.66	0	571.66	18.39%
160.32	54.66%	1567	34492	139.01	0	139.01	46.01%
230.56	33.86%	1961	82123	204.87	0	204.87	28.48%
390.88	40.12%	3528	116616	343.88	0	343.88	33.66%
21.10	2.21%	12186	221674	1,097.57	0	1097.57	56.52%
21.10	2.21%	12186	221674	1,097.57		1097.57	56.52%
1077.26	124.34%	0	0	-	0	0.00	0.00%
1033.54	124.11%	0	0	-		0.00	0.00%
43.73	130.05%	0	0	-		0.00	0.00%
1098.36	60.31%	12186	221674	1,097.57	0	1097.57	56.52%
8.96	28.06%	293	3774	1.47	0	1.47	4.45%
8.96	323.13%	181	328	1.47		1.47	51.21%
0.00	0.00%	112	3447	-		0.00	0.00%
0.00	0.00%	0	0	-	0	0.00	0.00%
0.00	0.00%	0	0	-		0.00	0.00%
0.00	0.00%	0	0	-		0.00	0.00%
8.96	28.06%	293	3774	1.47	0	1.47	4.45%
108.34	12.54%	30595	101591	114.78	0	114.78	12.90%
0.00	0.00%	0	0	-	0	0.00	0.00%
0.00	0.00%	0	0	-		0.00	0.00%
0.00	0.00%	0	0	-		0.00	0.00%
0.00	0.00%	0	0	-	0	0.00	0.00%
0.00	0.00%	0	0	-		0.00	0.00%
0.00	0.00%	0	0	-		0.00	0.00%
0.00	0.00%	0	0	-	0	0.00	0.00%
332.16	19.58%	761	205403	428.72		428.72	23.83%
58.95	18.97%	36	37609	76.08		76.08	23.09%
411.07	18.20%	896	271650	529.33	0	529.33	22.24%
724.10	60.95%	1142	141077	706.01		706.01	57.13%
407.77	57.23%	35	86244	405.30		405.30	53.65%
83.46	29.15%	4	35321	84.53		84.53	27.32%
0.00	0.00%	0	0	-		0.00	0.00%
5.28	10.25%	26	6235	5.25		5.25	9.61%
1220.61	54.53%	1207	268877	1,201.09	0	1201.09	50.99%
0.00	0.00%	1	10800	16.85		16.85	17.81%
16.85	0.00%	0	0	-		0.00	0.00%
0.00	0.00%	0	0	-		0.00	0.00%
16.85	35.62%	1	10800	16.85	0	16.85	17.81%
204.76	97.00%	27	24459	-		0.00	0.00%
259.01	25.52%	6	117586	214.79		214.79	20.85%
0.00	0.00%	0	0	271.69		271.69	0.00%
463.77	37.83%	33	142045	486.48	0	486.48	39.10%
0.00	0.00%	0	0	-		0.00	0.00%
3.01	89.28%	1	770	3.01		3.01	44.64%
21480.00	16.34%	8980809	15930879	23538.56	0	23538.56	16.87%

Summary of Actual / Estimated Revenue from Sale of Power at Current Tariff

PuVVNL	Unit of measurement	Past years Data			True- Up			APR	ARR
		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21	FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Revised Estimates	Projected
LMV-1: Domestic Light, Fan & Power									
Life Line Consumers (both Rural and Urban)									
(up to 100 kWh/month)									
								105.96	112.44
								105.96	112.44
Dom: Rural Schedule (unmetered)									
								669.70	0.00
Dom: Rural Schedule (metered) other than BPL									
0-100 kWh/month									
								3079.57	4988.75
								1805.69	2228.98
								505.92	999.58
								511.10	1012.69
								172.02	558.53
								84.84	188.97
Dom: Supply at Single Point for Bulk Load									
								30.25	32.67
Other Metered Domestic Consumers other than BPL									
0-150 kWh/month									
								2308.44	2629.37
								1212.53	1334.80
								389.03	425.83
								333.94	382.47
								372.93	486.26
Sub Total									
								6193.92	7763.23
LMV-2: Non Domestic Light, Fan & Power									
Non Dom: Rural Schedule (unmetered)									
								46.05	0.00
Non Dom: Rural Schedule (metered)									
								119.97	159.11
Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign									
								1.69	1.82
Non Dom: Other Metered Non-Domestic Supply									
Upto 300 kWh / month									
								1815.22	1976.77
								986.83	1060.65
								387.65	429.54
								440.74	486.59
Sub Total									
								1982.93	2137.70
LMV-3: Public Lamps									
Unmetered									
								48.65	0.00
Unmetered - Gram Panchayat									
								2.02	0.00
Unmetered - Nagar Palika & Nagar Panchayat									
								35.99	0.00
Unmetered - Nagar Nigam									
								10.65	0.00
Metered									
Metered - Gram Panchayat									
								66.22	109.80
Metered - Nagar Palika & Nagar Panchayat									
								0.52	3.60
Metered - Nagar Nigam									
								15.15	50.44
								50.55	55.75
Sub Total									
								114.87	109.80
LMV-4: Light, fan & Power for Institutions									
Inst: Public									
Inst: Public : 0 – 1000 kWh / month									
								223.23	169.94
Inst: Public : 1001 – 2000 kWh / month									
								171.42	131.97
Inst: Public : Above 2000 kWh / month									
								37.66	27.79
Inst: Private									
Inst: Private : 0 – 1000 kWh / month									
								14.15	10.18
Inst: Private : Above 1000 kWh / month									
								62.09	48.66
								32.36	29.82
								29.72	18.84
Sub Total									
								285.32	218.60
LMV-5: Private Tube Wells/ Pumping Sets									
Unmetered									
PTW: Rural Schedule (unmetered)									
								342.51	354.55
								342.51	354.55
Metered									
PTW: Rural Schedule (metered)									
								67.17	62.60
PTW: Urban Schedule (metered)									
								29.82	28.39
								37.35	34.22
Sub Total									
								409.68	417.15
LMV 6: Small and Medium Power upto 100 HP (75 kW)									
Consumers getting supply as per "Rural Schedule"									
Up to 1000 kWh / month									
								115.84	112.85
Up to 2000 kWh / month									
								79.02	77.57
For above 2000 kWh / month									
								19.49	18.68
								17.33	16.60
Consumers getting supply other than "Rural Schedule"									
Up to 1000 kWh / month									
								407.67	402.41
Up to 2000 kWh / month									
								150.08	148.96
For above 2000 kWh / month									
								90.97	27.41
								166.63	62.77
Sub Total									
								523.51	515.27
LMV-7: Public Water Works									
Rural Schedule									
Rural Schedule: Jal Nigam									
								141.47	124.80
								105.55	93.05
Rural Schedule: Jal Sansthan									
								18.73	16.36
Rural Schedule: Other PWWs									
								17.19	15.39
Urban Schedule									
Urban Schedule: Jal Nigam									
								233.26	212.33
								35.74	31.68
Urban Schedule: Jal Sansthan									
								167.81	153.20
Urban Schedule: Other PWWs									
								29.71	27.44
Sub Total									
								374.73	337.13
LMV-8: State Tube Wells & Pump Canals upto 100 HP									
Metered									
Metered STW									
								75.80	1047.80
								75.80	1047.80
Unmetered									
Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP									
								524.99	0.00
Unmetered: Laghu Dal Nahar above 100 BHP									
								504.61	0.00
								20.37	0.00
Sub Total									
								600.79	1047.80

LMV-9: Temporary Supply									
Metered								8.44	2.48
Metered TS: Individual residential consumers								7.24	1.25
Metered TS: Others								1.20	1.22
Unmetered								0.00	0.00
Unmetered TS: Ceremonies								0.00	0.00
Unmetered TS: Temp shops								0.00	0.00
Sub Total								8.44	2.48
LMV-10: Departmental Employees									
LMV-10: Sub Total								53.86	61.32
								0.00	
LMV-11: Electrical Vehicles								0.00	
Multi Story Buildings								0.00	0.00
LMV-1b								0.00	0.00
HV-1b								0.00	0.00
Public Charging Station								0.00	0.00
LT								0.00	0.00
HT								0.00	0.00
Sub Total								0.00	0.00
HV-1: Non-Industrial Bulk Loads									
Rural Schedule								0.00	0.00
Rural Schedule - Supply at 11 kV								0.00	0.00
Rural Schedule - Supply above 11 kV								0.00	0.00
Urban Schedule								430.56	530.99
Urban Schedule - Supply at 11 kV								343.62	429.00
Urban Schedule - Supply above 11 kV								86.94	101.99
Sub Total								430.56	530.99
HV-2: Large and Heavy Power above 100 BHP (75 kW)									
HV2 Urban Schedule: Supply at 11 kV								549.84	537.93
05:00 hrs to 11:00 hrs								117.90	115.38
11:00 hrs to 17:00 hrs								200.74	196.39
17:00 hrs to 23:00 hrs								128.14	125.31
23:00 hrs to 05:00 hrs								103.06	100.85
HV2 Urban Schedule: Supply above 11 kV & upto 66 kV								298.03	297.10
05:00 hrs to 11:00 hrs								63.93	63.74
11:00 hrs to 17:00 hrs								108.80	108.46
17:00 hrs to 23:00 hrs								69.41	69.17
23:00 hrs to 05:00 hrs								55.88	55.72
HV2 Urban Schedule: Supply above 66 kV & upto 132 kV								61.26	62.31
05:00 hrs to 11:00 hrs								13.20	13.43
11:00 hrs to 17:00 hrs								22.36	22.74
17:00 hrs to 23:00 hrs								14.16	14.39
23:00 hrs to 05:00 hrs								11.54	11.74
HV2 Urban Schedule: Supply above 132 kV								0.00	0.00
05:00 hrs to 11:00 hrs								0.00	0.00
11:00 hrs to 17:00 hrs								0.00	0.00
17:00 hrs to 23:00 hrs								0.00	0.00
23:00 hrs to 05:00 hrs								0.00	0.00
HV2 Rural Schedule: Supply at 11 kV								4.94	4.97
Sub Total								914.06	902.30
HV-3: Railway Traction									
HV3 Supply at and above 132 kV								16.27	18.21
HV3 Supply below 132 kV								0.00	0.00
HV3 For Metro traction								0.00	0.00
Sub Total								16.27	18.21
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)									
HV4 Supply at 11kV								181.64	190.24
HV4 Supply above 11kV & upto 66kV								253.02	264.02
HV4 Supply above 66 kV & upto 132kV								0.00	0.00
Sub Total								434.66	454.26
Bulk Supply								0.00	0.00
Extra State Consumer								2.36	2.36
Grand Total		9320.19	9962.73	11132.08	13057.69	11641.41	11641.41	12345.94	14518.59

Pu/VVNL	Particulars	ARR										
		FY 2021-22										
		Projected										
No. of consumers	Contract Demand/ Connected Load (KW /KVA /HP)	Consumption-Slabwise (MU)	Load Factor	Monthly Fixed Charges or Demand Charge (Rs/KVA or Rs./KW or Rs./BHP)	Monthly Minimum Charges (Rs./Month or Rs./KVA or Rs./KW or Rs./BHP)	Energy Charge (Rs/KWh or Rs./KVAh)	Total Monthly Fixed Charges or Demand Charge (Rs Crs)	Total Monthly Minimum Charges (Rs Crs)	Total Energy Charge Rs. Crs.	Total Billed Amount (Rs Crs)		
1	LMV-1: Domestic Light, Fan & Power											
	Life Line Consumers (both Rural and Urban)	320929	383872	300	9%			22.48	0.00	89.96	112.44	
	(up to 100 kWh/month)	320929	383872	300	9%	50.00	3.00	22.48	0.00	89.96	112.44	
	Dom: Rural Schedule (unmetered)	0	0	0	0%	500.00	0.00	0.00	0.00	0.00	0.00	
	Dom: Rural Schedule (metered) other than BPL	6351908	8018515	10443	15%	0.00		845.38	0.00	4143.37	4988.75	
	0-100 kWh/month	3214065	3536165	1775	6%	90.00	3.35	372.81	0.00	1856.16	2228.98	
	101-150 kWh/month	1778534	2092832	3342	18%	90.00	3.85	220.64	0.00	778.94	999.58	
	151-300 kWh/month	946434	1282962	2715	24%	90.00	5.00	135.26	0.00	877.43	1012.69	
	301-500 kWh/month	346179	721666	1963	31%	90.00	5.50	76.08	0.00	482.45	558.53	
	Above 500 kWh/Month (starting from 501 unit)	66695	384889	647	19%	90.00	6.00	40.58	0.00	148.39	188.97	
	Dom: Supply at Single Point for Bulk Load	2061	40668	39	11%	110.00	7.00	5.37	0.00	27.30	32.67	
	Other Metered Domestic Consumers other than BPL	1427955	3042356	3750	14%	0.00		392.03	0.00	2237.34	2629.37	
	0-150 kWh/month	1042407	1794611	1312	8%	110.00	5.50	231.25	0.00	1103.55	1334.80	
	151-300 kWh/month	116509	454788	337	8%	110.00	6.00	58.60	0.00	367.23	425.83	
	301-500 kWh/month	116609	403010	562	16%	110.00	6.50	51.93	0.00	330.54	382.47	
	Above 500 kWh/Month (starting from 501 unit)	152430	389947	1537	45%	110.00	7.00	50.25	0.00	436.02	486.26	
	Sub Total	8102853	11485410	14532	14%			1265	0	6498	7763	
2	LMV-2: Non Domestic Light, Fan & Power											
	Non Dom: Rural Schedule (unmetered)	0	0	0	0%	1000.00	0.00	0.00	0.00	0.00	0.00	
	Non Dom: Rural Schedule (metered)	93711	229831	235	12%	110.00	5.50	29.62	0.00	129.49	159.11	
	Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign	386	4108	1	3%	1800.00	18.00	0.00	0.00	1.82	1.82	
	Non Dom: Other Metered Non-Domestic Supply	352402	1138453	1836	18%			515.31	0.00	1461.46	1976.77	
	Upto 300 kWh / month	285107	921054	881	11%	390.00	7.50	275.53	0.00	785.12	1060.65	
	301 – 1000 kWh / month	42838	138391	467	39%	390.00	8.40	97.87	0.00	331.66	429.54	
	Above 1000 kWh/Month	24456	79008	308	45%	390.00	8.75	141.90	0.00	344.68	486.59	
	Sub Total	446498	1372392	2072	17%			545	0	1593	2138	
3	LMV-3: Public Lamps											
	Unmetered	0	0	0	0%			0.00	0.00	0.00	0.00	
	Unmetered - Gram Panchayat	0	0	0	0%	2100.00	0.00	0.00	0.00	0.00	0.00	
	Unmetered - Nagar Palika & Nagar Panchayat	0	0	0	0%	3200.00	0.00	0.00	0.00	0.00	0.00	
	Unmetered - Nagar Nigam	0	0	0	0%	4200.00	0.00	0.00	0.00	0.00	0.00	
	Metered	367	45104	117	30%			13.14	0.00	96.66	109.80	
	Metered - Gram Panchayat	32	1787	4	27%	200.00	8.25	0.42	0.00	3.18	3.60	
	Metered - Nagar Palika & Nagar Panchayat	272	23496	54	26%	250.00	8.80	6.91	0.00	43.53	50.44	
	Metered - Nagar Nigam	63	19822	59	34%	250.00	9.35	5.80	0.00	49.95	55.75	
	Sub Total	367	45104	117	30%			13.14	0.00	96.66	109.80	
4	LMV-4: Light, fan & Power for Institutions											
	Inst: Public	19962	103447	160	18%			36.52	0.00	133.41	169.94	
	Inst: Public : 0 – 1000 kWh / month	17966	93102	120	15%	300.00	8.25	32.87	0.00	99.10	131.97	
	Inst: Public : 1001 – 2000 kWh / month	1797	9310	29	35%	300.00	8.50	3.29	0.00	24.50	27.79	
	Inst: Public : Above 2000 kWh / month	200	1034	11	124%	300.00	8.75	0.37	0.00	9.81	10.18	
	Inst: Private	3218	30666	38	14%			13.99	0.00	34.67	48.66	
	Inst: Private : 0 – 1000 kWh / month	1351	3864	19	56%	375.00	9.00	6.12	0.00	23.69	29.82	
	Inst: Private : Above 1000 kWh / month	901	2576	19	84%	375.00	9.30	7.87	0.00	10.97	18.84	
	Sub Total	23179	134113	198	17%			51	0	168	219	
5	LMV-5: Private Tube Wells/ Pumping Sets											
	Unmetered	301113	1328154	2092	18%			354.55	0.00	0.00	354.55	
	PTW: Rural Schedule (unmetered)	301113	1328154	2092	18%	170.00	0.00	354.55	0.00	0.00	354.55	
	Metered	26383	73120	161	25%			9.00	0.00	53.60	62.60	
	PTW: Rural Schedule (metered)	24636	63092	107	19%	70.00	2.00	6.93	0.00	21.45	28.39	
	PTW: Urban Schedule (metered)	1747	10028	54	61%	130.00	6.00	2.07	0.00	32.15	34.22	
	Sub Total	327496	1401274	2253	18%			364	0	54	417	
6	LMV 6: Small and Medium Power upto 100 HP (75 kW)											
	Consumers getting supply as per "Rural Schedule"	16100	168410	105	7%			40.26	0.00	72.59	112.85	
	Up to 1000 kWh / month	14012	155376	60	4%	268.25	6.75	37.14	0.00	40.43	77.57	
	Up to 2000 kWh / month	1327	7109	25	40%	268.25	6.85	1.70	0.00	16.98	18.68	
	For above 2000 kWh / month	762	5925	21	40%	268.25	7.31	1.42	0.00	15.18	16.60	
	Consumers getting supply other than "Rural Schedule"	15577	186379	466	29%			47.49	0.00	354.93	402.41	
	Up to 1000 kWh / month	9782	130230	158	14%	290.00	7.30	33.18	0.00	115.78	148.96	
	Up to 2000 kWh / month	2941	25589	112	50%	290.00	7.40	6.52	0.00	83.06	89.58	
	For above 2000 kWh / month	2854	30560	197	73%	290.00	7.90	7.79	0.00	156.08	163.87	
	Sub Total	31677	354789	572	18%			88	0	428	515	
7	LMV-7: Public Water Works											
	Rural Schedule	1567	34492	139	46%			14.22	0.00	110.58	124.80	

	Rural Schedule: Jal Nigam	1312	24821	104	48%	346.88	7.96	10.23	0.00	82.82	93.05
	Rural Schedule: Jal Sansthan	88	1933	20	116%	346.88	7.96	0.80	0.00	15.56	16.36
	Rural Schedule: Other PWWs	166	7738	15	23%	346.88	7.96	3.19	0.00	12.20	15.39
	Urban Schedule	1961	82123	205	28%			36.14	0.00	176.19	212.33
	Urban Schedule: Jal Nigam	540	10377	31	35%	375.00	8.60	4.62	0.00	27.06	31.68
	Urban Schedule: Jal Sansthan	1023	56437	149	30%	375.00	8.60	24.79	0.00	128.41	153.20
	Urban Schedule: Other PWWs	398	15309	24	18%	375.00	8.60	6.72	0.00	20.72	27.44
	Sub Total	3528	116616	344	34%			50.36	0.00	286.77	337.13
8	LMV-8: State Tube Wells & Pump Canals upto 100 HP										
	Metered	12186	221674	1098	57%			114.87	0.00	932.93	1047.80
	Metered STW	12186	221674	1098	57%	330.00	8.50	114.87	0.00	932.93	1047.80
	Unmetered	0	0	0	0%			0.00	0.00	0.00	0.00
	Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	0	0	0	0%	3300.00	0.00	0.00	0.00	0.00	0.00
	Unmetered: Laghu Dal Nahar above 100 BHP	0	0	0	0%	3300.00	0.00	0.00	0.00	0.00	0.00
	Sub Total	12186	221674	1098	57%			114.87	0.00	932.93	1047.80
9	LMV-9: Temporary Supply										
	Metered	293	3774	1	4%			1.30	0.00	1.18	2.48
	Metered TS: Individual residential consumers	181	328	1	51%	200.00	8.00	0.08	0.00	1.18	1.25
	Metered TS: Others	112	3447	0	0%	300.00	9.00	1.22	0.00	0.00	1.22
	Unmetered	0	0	0	0%			0.00	0.00	0.00	0.00
	Unmetered TS: Ceremonies	0	0	0	0%	4750.00	0.00	0.00	0.00	0.00	0.00
	Unmetered TS: Temp shops	0	0	0	0%	560.00	0.00	0.00	0.00	0.00	0.00
	Sub Total	293	3774	1	4%			1	0	1	2
10	LMV-10: Departmental Employees										
	LMV-10: Sub Total	30595	101591	115	13%	100.00	6.25	61.32	0.00	0.00	61.32
11	LMV-11: Electrical Vehicles										
	Multi Story Buildings	0	0	0	0%			0.00	0.00	0.00	0.00
	LMV-1b	0	0	0	0%	0.00	6.20	0.00	0.00	0.00	0.00
	HV-1b	0	0	0	0%	0.00	5.90	0.00	0.00	0.00	0.00
	Public Charging Station	0	0	0	0%			0.00	0.00	0.00	0.00
	LT	0	0	0	0%	0.00	7.70	0.00	0.00	0.00	0.00
	HT	0	0	0	0%	0.00	7.30	0.00	0.00	0.00	0.00
	Sub Total	0	0	0	0%			0.00	0.00	0.00	0.00
12	HV-1: Non-Industrial Bulk Loads										
	Urban Schedule - Supply at 11 kV	761	205403	429	24%	430.00	8.50	53.60	0.00	375.40	429.00
	Urban Schedule - Supply above 11 kV	36	37609	76	23%	400.00	8.30	40.68	0.00	61.31	101.99
	Sub Total	896	271650	529	22%			94.28	0.00	436.72	530.99
13	HV-2: Large and Heavy Power above 100 BHP (75 kW)										
	HV2 Urban Schedule: Supply at 11 kV	1142	141077	706	57%	300.00	7.10	37.54	0.00	500.39	537.93
	05:00 hrs to 11:00 hrs	1142	141077	353	29%	300.00	6.57	8.64	0.00	106.74	115.38
	11:00 hrs to 17:00 hrs	263	32476	81	29%	300.00	7.10	13.68	0.00	182.71	196.39
	17:00 hrs to 23:00 hrs	416	51421	129	29%	300.00	8.17	7.66	0.00	117.65	125.31
	23:00 hrs to 05:00 hrs	233	28793	72	29%	300.00	6.57	7.55	0.00	93.30	100.85
	HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	35	86244	405	54%	290.00	6.80	21.97	0.00	275.12	297.10
	05:00 hrs to 11:00 hrs	35	86244	203	27%	290.00	6.29	5.06	0.00	58.69	63.74
	11:00 hrs to 17:00 hrs	8	19853	47	27%	290.00	6.80	8.01	0.00	100.45	108.46
	17:00 hrs to 23:00 hrs	13	31435	74	27%	290.00	7.82	4.48	0.00	64.69	69.17
	23:00 hrs to 05:00 hrs	7	17602	41	27%	290.00	6.29	4.42	0.00	51.30	55.72
	HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	4	35321	85	27%	270.00	6.40	8.30	0.00	54.00	62.31
	05:00 hrs to 11:00 hrs	4	35321	42	14%	270.00	5.92	1.91	0.00	11.52	13.43
	11:00 hrs to 17:00 hrs	1	8131	10	14%	270.00	6.40	3.03	0.00	19.72	22.74
	17:00 hrs to 23:00 hrs	2	12874	15	14%	270.00	7.36	1.69	0.00	12.70	14.39
	23:00 hrs to 05:00 hrs	1	7209	9	14%	270.00	5.92	1.67	0.00	10.07	11.74
	HV2 Urban Schedule: Supply above 132 kV	0	0	0	0%	270.00	6.10	0.00	0.00	0.00	0.00
	05:00 hrs to 11:00 hrs	0	0	0	0%	270.00	6.57	0.00	0.00	0.00	0.00
	11:00 hrs to 17:00 hrs	0	0	0	0%	270.00	7.10	0.00	0.00	0.00	0.00
	17:00 hrs to 23:00 hrs	0	0	0	0%	270.00	8.17	0.00	0.00	0.00	0.00
	23:00 hrs to 05:00 hrs	0	0	0	0%	270.00	6.57	0.00	0.00	0.00	0.00
	HV2 Rural Schedule: Supply at 11 kV	26	6235	5	10%	277.50	6.57	1.52	0.00	3.45	4.97
	Sub Total	1207	268877	1201	51%			69.33	0.00	832.97	902.30
14	HV-3: Railway Traction										
	HV3 Supply at and above 132 kV	1	10800	17	18%	400.00	8.50	3.89	0.00	14.32	18.21
	HV3 Supply below 132 kV	0	0	0	0%	400.00	8.80	0.00	0.00	0.00	0.00
	HV3 For Metro traction	0	0	0	0%	300.00	7.30	0.00	0.00	0.00	0.00
	Sub Total	1	10800	17	18%			3.89	0.00	14.32	18.21
15	HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)										
	HV4 Supply at 11kV	27	24459	215	100%	350.00	8.50	7.67	0.00	182.57	190.24
	HV4 Supply above 11kV & upto 66kV	6	117586	272	26%	340.00	8.40	35.80	0.00	228.22	264.02
	HV4 Supply above 66 kV & upto 132kV	0	0	0	0%	330.00	8.25	0.00	0.00	0.00	0.00
	Sub Total	33	142045	486	39%			43.47	0.00	410.79	454.26
16	Bulk Supply	0	0	0	0%	0.00	4.19	0.00	0.00	0.00	0.00
17	Extra State Consumer	1	770	3	45%	0.00	7.83	0.00	0.00	2.36	2.36
	Grand Total	8980809	15930879	23538.56	17%			2764	0	11754.64	14518.59

Pu/VNL	Type of installation	Past Years Data FY 2017-18					Past Years Data FY 2018-19					True-Up FY 2019-20					APR FY 2020-21					ARR FY 2021-22							
		Trued-Up					Trued-Up					Claimed					Revised Estimates					Projected							
		Total Sales	Total Revenue Realization from sale of power at current tariffs	Average revenue realisation (Rs./unit)	Average cost to Serve (Rs./unit)	(Gap) / Surplus (Rs / unit)	Total Sales	Total Revenue Realization from sale of power at current tariffs (Rs. Crs.)	Average revenue realisation (Rs./unit)	Average cost to Serve (Rs./unit)	(Gap) / Surplus (Rs / unit)	Total Sales	Total Revenue Realization from sale of power at current tariffs	Average revenue realisation (Rs./unit)	Average cost to Serve (Rs. Cr.)	Average cost to Serve (Rs./unit)	(Gap) / Surplus (Rs / unit)	Total Sales	Total Revenue Realization from sale of power at current tariffs (Rs. Crs.)	Average revenue realisation (Rs./unit)	Average cost to Serve (Rs. Cr.)	Average cost to Serve (Rs./unit)	(Gap) / Surplus (Rs / unit)	Total Sales	Total Revenue Realization from sale of power at current tariffs (Rs. Crs.)	Average revenue realisation (Rs./unit)	Average cost to Serve (Rs.Crore)	Average cost to Serve (Rs./unit)	(Gap) / Surplus (Rs / unit)
		A	B	C	B-C		A	B	C	B-C		A	B	C	B-C		A	B	C	B-C		A	B	C	B-C				
1	LMV-1: Domestic Light, Fan & Power																												
	Life Line Consumers (both Rural and Urban) (up to 100 kWh/month)				-					-	285.58	103.00	3.61	245.05	8.58	(4.97)	281.14	105.96	3.77	238.23	8.47	(4.70)	299.86	112.44	3.75	270.80	9.03	(5.28)	
	Dom: Rural Schedule (unmetered)				-					-	285.58	103.00	3.61	245.05	8.58	(4.97)	281.14	105.96	3.77	238.23	8.47	(4.70)	299.86	112.44	3.75	270.80	9.03	(5.28)	
	Dom: Rural Schedule (metered) other than BPL				-					-	2,523.07	1,187.91	4.71	2,109.83	8.36	(3.65)	2,483.75	669.70	2.70	2,009.47	8.09	(5.39)	-	-	-	-	-	-	
	0-100 kWh/month				-					-	6,502.07	2,632.98	4.05	5,495.93	8.45	(4.40)	6,400.93	3,079.57	4.81	5,391.97	8.42	(3.61)	10,443.37	4,988.75	4.78	9,247.04	8.85	(4.08)	
	101-150 kWh/month				-					-	1,251.69	520.46	4.16	-	-	4.16	888.16	1,805.69	20.33	-	-	20.33	1,775.37	2,228.98	12.55	-	-	12.55	
	151-300 kWh/month				-					-	2,058.42	751.29	3.65	-	-	3.65	2,098.30	505.92	2.41	-	-	2.41	3,341.88	999.58	2.99	-	-	2.99	
	301-500 kWh/month				-					-	1,403.60	532.66	3.79	-	-	3.79	1,714.24	511.10	2.98	-	-	2.98	2,715.28	1,012.69	3.73	-	-	3.73	
	Above 500 kWh/Month (starting from 501 unit)				-					-	1,490.79	674.67	4.53	-	-	4.53	1,233.38	172.02	1.39	-	-	1.39	1,963.35	558.53	2.84	-	-	2.84	
	Dom: Supply at Single Point for Bulk Load				-					-	297.58	153.89	5.17	-	-	5.17	466.86	84.84	1.82	-	-	1.82	647.49	188.97	2.92	-	-	2.92	
	Other Metered Domestic Consumers other than BPL				-					-	39.00	30.15	7.73	31.86	8.17	(0.44)	38.39	30.25	7.88	31.13	8.11	(0.23)	39.00	32.67	8.38	33.70	8.64	(0.27)	
	0-150 kWh/month				-					-	3,307.00	2,158.59	6.53	2,753.23	8.33	(1.80)	3,255.56	2,308.44	7.09	2,681.85	8.24	(1.15)	3,749.91	2,629.37	7.01	3,287.76	8.77	(1.76)	
	151-300 kWh/month				-					-	1,513.38	998.97	6.60	-	-	6.60	1,139.45	1,212.53	10.64	-	-	10.64	1,312.47	1,334.80	10.17	-	-	10.17	
	301-500 kWh/month				-					-	451.86	295.99	6.55	-	-	6.55	293.00	389.03	13.28	-	-	13.28	337.49	425.83	12.62	-	-	12.62	
	Above 500 kWh/Month (starting from 501 unit)				-					-	394.87	263.68	6.68	-	-	6.68	488.33	333.94	6.84	-	-	6.84	562.49	382.47	6.80	-	-	6.80	
	Sub Total				-					-	12,657	6,112.62	4.83	10,635.91	8.40	(3.57)	12,459.78	6,193.92	4.97	10,352.66	8.31	(3.34)	14,532.14	7,763.23	5.34	12,839.31	8.84	(3.49)	
2	LMV-2: Non Domestic Light, Fan & Power																												
	Non Dom: Rural Schedule (unmetered)				-					-	44.20	78.23	17.70	37.15	8.41	9.29	41.40	46.05	11.12	33.49	8.09	3.03	-	-	-	-	-	-	
	Non Dom: Rural Schedule (metered)				-					-	187.00	113.46	6.07	155.16	8.30	(2.23)	175.14	119.97	6.85	144.85	8.27	(1.42)	235.44	159.11	6.76	206.58	8.77	(2.02)	
	Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign				-					-	1.00	7.05	70.49	0.83	8.32	62.17	0.94	1.69	18.00	0.77	8.23	9.77	1.01	1.82	18.00	0.89	8.77	9.23	
	Non Dom: Other Metered Non-Domestic Supply				-					-	1,769.00	1,802.63	10.19	1,457.73	8.24	1.95	1,656.84	1,815.22	10.96	1,352.29	8.16	2.79	1,835.59	1,976.77	10.77	1,596.12	8.70	2.07	
	Upto 300 kWh / month				-					-	955.87	956.78	10.01	-	-	10.01	795.28	986.83	12.41	-	-	12.41	881.08	1,060.65	12.04	-	-	12.04	
	301 - 1000 kWh / month				-					-	476.80	510.23	10.70	-	-	10.70	421.50	387.65	9.20	-	-	9.20	466.97	429.54	9.20	-	-	9.20	
	Above 1000 kWh/Month				-					-	336.33	335.62	9.98	-	-	9.98	278.35	440.74	15.83	-	-	15.83	308.38	486.59	15.78	-	-	15.78	
	Sub Total				-					-	2,001.20	2,001.37	10.00	1,650.88	8.25	1.75	1,874.31	1,982.93	10.58	1,531.40	8.17	2.41	2,072.03	2,137.70	10.32	1,803.58	8.70	1.61	
3	LMV-3: Public Lamps																												
	Unmetered				-					-	48.06	90.96	18.93	39.26	8.17	10.76	62.93	48.65	7.73	-	-	7.73	-	-	-	-	-	-	
	Unmetered - Gram Panchayat				-					-	3.00	4.64	15.46	2.45	8.17	7.29	3.93	2.02	5.13	3.18	8.09	(2.96)	-	-	-	-	-	-	
	Unmetered - Nagar Palika & Nagar Panchayat				-					-	33.06	66.59	20.14	27.01	8.17	11.97	43.29	35.99	8.31	35.02	8.09	0.22	-	-	-	-	-	-	
	Unmetered - Nagar Nigam				-					-	12.00	19.73	16.44	9.80	8.17	8.27	15.71	10.65	6.78	12.71	8.09	(1.31)	-	-	-	-	-	-	
	Metered				-					-	52.00	51.35	9.88	42.47	8.17	1.71	68.08	66.22	9.73	-	-	9.73	117.41	109.80	9.35	-	-	9.35	
	Metered - Gram Panchayat				-					-	0.30	0.26	8.50	0.25	8.17	0.34	0.39	0.52	13.20	0.32	8.12	5.08	4.24	3.60	8.50	3.65	8.62	(0.13)	
	Metered - Nagar Palika & Nagar Panchayat				-					-	10.70	10.14	9.48	8.74	8.17	1.31	14.01	15.15	10.81	11.34	8.10	2.71	54.41	50.44	9.27	46.93	8.62	0.65	
	Metered - Nagar Nigam				-					-	41.00	40.96	9.99	33.48	8.17	1.82	53.68	50.55	9.42	43.43	8.09	1.33	58.76	55.75	9.49	50.67	8.62	0.87	
	Sub Total				-					-	100	142.31	14.22	81.73	8.17	6.05	131.01	114.87	8.77	106.01	8.09	0.68	117.41	109.80	9.35	101.25	8.62	0.73	
4	LMV-4: Light, fan & Power for Institutions																												
	Inst: Public				-					-	154.00	161.13	10.46	126.52	8.22	2.25	225.21	223.23	9.91	182.88	8.12	1.79	160.16	169.94	10.61	138.85	8.67	1.94	
	Inst: Public : 0 - 1000 kWh / month				-					-	64.66	83.71	12.95	-	-	12.95	168.91	171.42	10.15	-	-	10.15	120.12	131.97	10.99	-	-	10.99	
	Inst: Public : 1001 - 2000 kWh / month				-					-	34.99	31.69	9.06	-	-	9.06	40.54	37.66	9.29	-	-	9.29	28.83	27.79	9.64	-	-	9.64	
	Inst: Public : Above 2000 kWh / month				-					-	54.35	45.73	8.41	-	-	8.41	15.76	14.15	8.98	-	-	8.98	11.21	10.18	9.08	-	-	9.08	
	Inst: Private				-					-	36.31	36.53	10.06	29.77	8.20	1.86	53.10	62.09	11.69	43.07	8.11	3.58	38.13	48.66	12.76	33.00	8.65	4.11	
	Inst: Private : 0 - 1000 kWh / month				-					-	8.90	9.50	10.68	-	-	10.68	26.55	32.36	12.19	-	-	12.19	19.06	29.82	15.64	-	-	15.64	
	Inst: Private : Above 1000 kWh / month				-					-	27.41	27.03	9.86	-	-	9.86	26.55	29.72	11.19	-	-	11.19	19.06	18.84	9.88	-	-	9.88	
	Sub Total				-					-	190.31	197.67	10.39	156.29	8.21	2.17	278.31	285.32	10.25	225.95	8.12	2.13	198.29	218.60	11.02	171.85	8.67	2.36	
5	LMV-5: Private Tube Wells / Pumping Sets																												
	Unmetered				-					-	1,992.12	297.96	1.50	1,638.03	8.22	(6.73)	2,254.38	342.51	1.52	-	-	1.52	2,091.73	354.55	1.69	1,815.01	8.68	(6.98)	
	PTW: Rural Schedule (unmetered)				-					-	1,992.12	297.96	1.50	1,638.03	8.22	(6.73)	2,254.38	342.51	1.52	1,834.01	8.14	(6.62)	2,091.73	354.55	1.69	1,815.01	8.68	(6.98)	
	Metered				-					-	154.18	58.59	3.80	126.89	8.23	(4.43)	174.48	67.17	3.85	-	-	3.85	160.85	62.60	3.89	139.69	8.68	(4.79)	
	PTW: Rural Schedule (metered)				-					-	102.16	25.24	2.47	84.34	8.26	(5.79)	115.61	29.82	2.58	94.36	8.16	(5.58)	107.27	28.39	2.65	93.43	8.71	(6.06)	
	PTW: Urban Schedule (metered)				-					-	52.02	33.35	6.41	42.55	8.18	(1.77)	58.87	37.35	6.34	47.69	8.10	(1.76)	53.58	34.22	6.39	46.27	8.63	(2.25)	
	Sub Total				-					-	2146	356.55	1.66	1,764.92	8.22	(6.56)	2,428.86	409.68	1.69	1,976.05	8.14	(6.45)	2,252.58	417.15	1.85	1,954.71	8.68	(6.83)	
6	LMV 6: Small and Medium Power upto 100 HP (75 kW)																												
	Consumers getting supply as per "Rural Schedule"				-					-	103.39	111.20	10.76	85.05	8.23	2.53	110.66	115.84	10.47	90.09	8.14	2.33	105.46	112.85	10.70	91.54	8.68	2.02	
	Up to 1000 kWh / month				-					-	48.36	69.20	14.31	-	-	14.31	62.83	79.02	12.										

Form No: F11

of power at Proposed Tariff

PuVVNL	Particulars	Unit of measurement	ARR
			FY 2021-22 Projected
1	LMV-1: Domestic Light, Fan & Power	Rs.Crores	
	Life Line Consumers (both Rural and Urban)	Rs.Crores	112.44
	(up to 100 kWh/month)	Rs.Crores	112.44
	Dom: Rural Schedule (unmetered)	Rs.Crores	-
	Dom: Rural Schedule (metered) other than BPL	Rs.Crores	4,988.75
	0-100 kWh/month	Rs.Crores	2,228.98
	101-150 kWh/month	Rs.Crores	999.58
	151-300 kWh/month	Rs.Crores	1,012.69
	301-500 kWh/month	Rs.Crores	558.53
	Above 500 kWh/Month (starting from 501 unit)	Rs.Crores	188.97
	Dom: Supply at Single Point for Bulk Load	Rs.Crores	32.67
	Other Metered Domestic Consumers other than BPL	Rs.Crores	2,629.37
	0-150 kWh/month	Rs.Crores	1,334.80
	151-300 kWh/month	Rs.Crores	425.83
	301-500 kWh/month	Rs.Crores	382.47
	Above 500 kWh/Month (starting from 501 unit)	Rs.Crores	486.26
	Sub Total	Rs.Crores	7,763.23
2	LMV-2: Non Domestic Light, Fan & Power		
	Non Dom: Rural Schedule (unmetered)	Rs.Crores	-
	Non Dom: Rural Schedule (metered)	Rs.Crores	159.11
	Non Dom: Private Advertising /Sign Post/Sign	Rs.Crores	1.82
	Non Dom: Other Metered Non-Domestic Sup	Rs.Crores	1,976.77
	Upto 300 kWh / month	Rs.Crores	1,060.65
	301 – 1000 kWh / month	Rs.Crores	429.54
	Above 1000 kWh/Month	Rs.Crores	486.59
	Sub Total	Rs.Crores	2,137.70
3	LMV-3: Public Lamps		
	Unmetered	Rs.Crores	-
	Unmetered - Gram Panchayat	Rs.Crores	-
	Unmetered - Nagar Palika & Nagar Panchayat	Rs.Crores	-
	Unmetered - Nagar Nigam	Rs.Crores	-
	Metered	Rs.Crores	109.80
	Metered - Gram Panchayat	Rs.Crores	3.60
	Metered - Nagar Palika & Nagar Panchayat	Rs.Crores	50.44
	Metered - Nagar Nigam	Rs.Crores	55.75
	Sub Total	Rs.Crores	109.80
4	LMV-4: Light, fan & Power for Institutions		
	Inst: Public	Rs.Crores	169.94
	Inst: Public : 0 – 1000 kWh / month	Rs.Crores	131.97
	Inst: Public : 1001 – 2000 kWh / month	Rs.Crores	27.79
	Inst: Public : Above 2000 kWh / month	Rs.Crores	10.18
	Inst: Private	Rs.Crores	48.66
	Inst: Private : 0 – 1000 kWh / month	Rs.Crores	29.82
	Inst: Private : Above 1000 kWh / month	Rs.Crores	18.84
	Sub Total	Rs.Crores	218.60
5	LMV-5: Private Tube Wells/ Pumping Sets		
	Unmetered	Rs.Crores	354.55
	PTW: Rural Schedule (unmetered)	Rs.Crores	354.55
	Metered	Rs.Crores	62.60
	PTW: Rural Schedule (metered)	Rs.Crores	28.39
	PTW: Urban Schedule (metered)	Rs.Crores	34.22
	Sub Total	Rs.Crores	417.15
6	LMV 6: Small and Medium Power upto 100 HP (75 kW)		
	Consumers getting supply as per "Rural Sche	Rs.Crores	112.85
	Up to 1000 kWh / month	Rs.Crores	77.57
	Up to 2000 kWh / month	Rs.Crores	18.68
	For above 2000 kWh / month	Rs.Crores	16.60
	Consumers getting supply other than "Rural	Rs.Crores	402.41
	Up to 1000 kWh / month	Rs.Crores	148.96
	Up to 2000 kWh / month	Rs.Crores	89.58
	For above 2000 kWh / month	Rs.Crores	163.87
	Sub Total	Rs.Crores	515.27
7	LMV-7: Public Water Works		
	Rural Schedule	Rs.Crores	124.80
	Rural Schedule: Jal Nigam	Rs.Crores	93.05
	Rural Schedule: Jal Sansthan	Rs.Crores	16.36
	Rural Schedule: Other PWWs	Rs.Crores	15.39
	Urban Schedule	Rs.Crores	212.33
	Urban Schedule: Jal Nigam	Rs.Crores	31.68
	Urban Schedule: Jal Sansthan	Rs.Crores	153.20
	Urban Schedule: Other PWWs	Rs.Crores	27.44
	Sub Total	Rs.Crores	337.13
8	LMV-8: State Tube Wells & Pump Canals upto 100 HP		
	Metered	Rs.Crores	1,047.80
	Metered STW	Rs.Crores	1,047.80

	Unmetered	<i>Rs.Crores</i>	-
	Unmetered:STW/Panch.Raj/WB/ID/P. Canals/L	<i>Rs.Crores</i>	-
	Unmetered: Laghu Dal Nahar above 100 BHP	<i>Rs.Crores</i>	-
	Sub Total	<i>Rs.Crores</i>	1,047.80
9	LMV-9: Temporary Supply		
	Metered	<i>Rs.Crores</i>	2.48
	Metered TS: Individual residential consumers	<i>Rs.Crores</i>	1.25
	Metered TS: Others	<i>Rs.Crores</i>	1.22
	Unmetered	<i>Rs.Crores</i>	-
	Unmetered TS: Ceremonies	<i>Rs.Crores</i>	-
	Unmetered TS: Temp shops	<i>Rs.Crores</i>	-
	Sub Total	<i>Rs.Crores</i>	2.48
10	LMV-10: Departmental Employees		
	LMV-10: Sub Total	<i>Rs.Crores</i>	61.32
11	LMV-11: Electrical Vehicles		
	Multi Story Buildings	<i>Rs.Crores</i>	-
	LMV-1b	<i>Rs.Crores</i>	-
	HV-1b	<i>Rs.Crores</i>	-
	Public Charging Station	<i>Rs.Crores</i>	-
	LT	<i>Rs.Crores</i>	-
	HT	<i>Rs.Crores</i>	-
	Sub Total	<i>Rs.Crores</i>	-
12	HV-1: Non-Industrial Bulk Loads		
	Rural Schedule	<i>Rs.Crores</i>	-
	Rural Schedule - Supply at 11 kV	<i>Rs.Crores</i>	-
	Rural Schedule - Supply above 11 kV	<i>Rs.Crores</i>	-
	Urban Schedule	<i>Rs.Crores</i>	530.99
	Urban Schedule - Supply at 11 kV	<i>Rs.Crores</i>	429.00
	Urban Schedule - Supply above 11 kV	<i>Rs.Crores</i>	101.99
	Sub Total	<i>Rs.Crores</i>	530.99
13	HV-2: Large and Heavy Power above 100 BHP (75 kW)		
	HV2 Urban Schedule: Supply at 11 kV	<i>Rs.Crores</i>	537.93
	05:00 hrs to 11:00 hrs	<i>Rs.Crores</i>	115.38
	11:00 hrs to 17:00 hrs	<i>Rs.Crores</i>	196.39
	17:00 hrs to 23:00 hrs	<i>Rs.Crores</i>	125.31
	23:00 hrs to 05:00 hrs	<i>Rs.Crores</i>	100.85
	HV2 Urban Schedule: Supply above 11 kV &	<i>Rs.Crores</i>	297.10
	05:00 hrs to 11:00 hrs	<i>Rs.Crores</i>	63.74
	11:00 hrs to 17:00 hrs	<i>Rs.Crores</i>	108.46
	17:00 hrs to 23:00 hrs	<i>Rs.Crores</i>	69.17
	23:00 hrs to 05:00 hrs	<i>Rs.Crores</i>	55.72
	HV2 Urban Schedule: Supply above 66 kV &	<i>Rs.Crores</i>	62.31
	05:00 hrs to 11:00 hrs	<i>Rs.Crores</i>	13.43
	11:00 hrs to 17:00 hrs	<i>Rs.Crores</i>	22.74
	17:00 hrs to 23:00 hrs	<i>Rs.Crores</i>	14.39
	23:00 hrs to 05:00 hrs	<i>Rs.Crores</i>	11.74
	HV2 Urban Schedule: Supply above 132 kV	<i>Rs.Crores</i>	-
	05:00 hrs to 11:00 hrs	<i>Rs.Crores</i>	-
	11:00 hrs to 17:00 hrs	<i>Rs.Crores</i>	-
	17:00 hrs to 23:00 hrs	<i>Rs.Crores</i>	-
	23:00 hrs to 05:00 hrs	<i>Rs.Crores</i>	-
	HV2 Rural Schedule: Supply at 11 kV	<i>Rs.Crores</i>	4.97
	Sub Total	<i>Rs.Crores</i>	902.30
14	HV-3: Railway Traction		
	HV3 Supply at and above 132 kV	<i>Rs.Crores</i>	18.21
	HV3 Supply below 132 kV	<i>Rs.Crores</i>	-
	HV3 For Metro traction	<i>Rs.Crores</i>	-
	Sub Total	<i>Rs.Crores</i>	18.21
15	HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)		
	HV4 Supply at 11kV	<i>Rs.Crores</i>	190.24
	HV4 Supply above 11kV & upto 66kV	<i>Rs.Crores</i>	264.02
	HV4 Supply above 66 kV & upto 132kV	<i>Rs.Crores</i>	-
	Sub Total	<i>Rs.Crores</i>	454.26
16	Bulk Supply	<i>Rs.Crores</i>	-
17	Extra State Consumer	<i>Rs.Crores</i>	2.36
	Grand Total	<i>Rs.Crores</i>	14518.59

PuVVNL	Particulars	ARR										
		FY 2021-22										
		Projected										
No. of consumers	Contract Demand/ Connected Load (KW /KVA /HP)	Consumption-Slabwise (MU)	Load Factor	Monthly Fixed Charges or Demand Charge (Rs/KVA or Rs./KW or Rs./BHP)	Monthly Minimum Charges (Rs./Month or Rs./KVA or Rs./KW or Rs./BHP)	Energy Charge (Rs/KWh or Rs./KVAh)	Total Monthly Fixed Charges or Demand Charge (Rs Crs)	Total Monthly Minimum Charges (Rs Crs)	Total Energy Charge Rs. Crs.	Total Billed Amount (Rs Crs)		
1	LMV-1: Domestic Light, Fan & Power											
	Life Line Consumers (both Rural and Urban)	320929	383872	299.86	8.92%				22.48	0.00	89.96	112.44
	(up to 100 kWh/month)	320929	383872	299.86	8.92%	50.00		3.00	22.48	0.00	89.96	112.44
	Dom: Rural Schedule (unmetered)	0	0	0.00	0.00%	500.00		0.00	0.00	0.00	0.00	0.00
	Dom: Rural Schedule (metered) other than BPL	6351908	8018515	10443.37	14.87%	0.00			845.38	0.00	4143.37	4988.75
	0-100 kWh/month	3214065	3536165	1775.37	5.73%			3.35	372.81	0.00	1856.16	2228.98
	101-150 kWh/month	1778534	2092832	3341.88	18.23%	90.00		3.85	220.64	0.00	778.94	999.58
	151-300 kWh/month	946434	1282962	2715.28	24.16%	90.00		5.00	135.26	0.00	877.43	1012.69
	301-500 kWh/month	346179	721666	1963.35	31.06%	90.00		5.50	76.08	0.00	482.45	558.53
	Above 500 kWh/Month (starting from 501 unit)	66695	384889	647.49	19.20%	90.00		6.00	40.58	0.00	148.39	188.97
	Dom: Supply at Single Point for Bulk Load	2061	40668	39.00	10.95%	110.00		7.00	5.37	0.00	27.30	32.67
	Other Metered Domestic Consumers other than BPL	1427955	3042356	3749.91	14.07%	0.00			392.03	0.00	2237.34	2629.37
	0-150 kWh/month	1042407	1794611	1312.47	8.35%	110.00		5.50	231.25	0.00	1103.55	1334.80
	151-300 kWh/month	116509	454788	337.49	8.47%	110.00		6.00	58.60	0.00	367.23	425.83
	301-500 kWh/month	116609	403010	562.49	15.93%	110.00		6.50	51.93	0.00	330.54	382.47
	Above 500 kWh/Month (starting from 501 unit)	152430	389947	1537.46	45.01%	110.00		7.00	50.25	0.00	436.02	486.26
	Sub Total	8102853	11485410	14532.14	14.44%				1265.26	0.00	6497.97	7763.23
2	LMV-2: Non Domestic Light, Fan & Power											
	Non Dom: Rural Schedule (unmetered)	0	0	0.00	0.00%	1000.00		0.00	0.00	0.00	0.00	0.00
	Non Dom: Rural Schedule (metered)	93711	229831	235.44	11.69%	110.00		5.50	29.62	0.00	129.49	159.11
	Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign	386	4108	1.01	2.81%	1800.00		18.00	0.00	0.00	1.82	1.82
	Non Dom: Other Metered Non-Domestic Supply	352402	1138453	1835.59	18.41%	0.00			515.31	0.00	1461.46	1976.77
	Upto 300 kWh / month	285107	921054	881.08	10.92%	390.00		7.50	275.53	0.00	785.12	1060.65
	301 – 1000 kWh / month	42838	138391	466.97	38.52%	390.00		8.40	97.87	0.00	331.66	429.54
	Above 1000 kWh/Month	24456	79008	308.38	44.56%	390.00		8.75	141.90	0.00	344.68	486.59
	Sub Total	446498	1372392	2072.03	17.24%				544.92	0.00	1592.77	2137.70
3	LMV-3: Public Lamps											
	Unmetered	0	0	0.00	0.00%				0.00	0.00	0.00	0.00
	Unmetered - Gram Panchayat	0	0	0.00	0.00%	2100.00		0.00	0.00	0.00	0.00	0.00
	Unmetered - Nagar Palika & Nagar Panchayat	0	0	0.00	0.00%	3200.00		0.00	0.00	0.00	0.00	0.00
	Unmetered - Nagar Nigam	0	0	0.00	0.00%	4200.00		0.00	0.00	0.00	0.00	0.00
	Metered	367	45104	117.41	29.72%	0.00			13.14	0.00	96.66	109.80
	Metered - Gram Panchayat	32	1787	4.24	27.07%	200.00		8.25	0.42	0.00	3.18	3.60
	Metered - Nagar Palika & Nagar Panchayat	272	23496	54.41	26.44%	250.00		8.80	6.91	0.00	43.53	50.44
	Metered - Nagar Nigam	63	19822	58.76	33.84%	250.00		9.35	5.80	0.00	49.95	55.75
	Sub Total	367	45104	117.41	29.72%				13.14	0.00	96.66	109.80
4	LMV-4: Light, fan & Power for Institutions											
	Inst: Public	19962	103447	160.16	17.67%				36.52	0.00	133.41	169.94
	Inst: Public : 0 – 1000 kWh / month	17966	93102	120.12	14.73%	300.00		8.25	32.87	0.00	99.10	131.97
	Inst: Public : 1001 – 2000 kWh / month	1797	9310	28.83	35.35%	300.00		8.50	3.29	0.00	24.50	27.79
	Inst: Public : Above 2000 kWh / month	200	1034	11.21	123.72%	300.00		8.75	0.37	0.00	9.81	10.18
	Inst: Private	3218	30666	38.13	14.19%				13.99	0.00	34.67	48.66
	Inst: Private : 0 – 1000 kWh / month	1351	3864	19.06	56.32%	375.00		9.00	6.12	0.00	23.69	29.82
	Inst: Private : Above 1000 kWh / month	901	2576	19.06	84.48%	375.00		9.30	7.87	0.00	10.97	18.84
	Sub Total	23179	134113	198.29	16.88%				50.52	0.00	168.08	218.60
5	LMV-5: Private Tube Wells/ Pumping Sets											
	Unmetered	301113	1328154	2091.73	17.98%				354.55	0.00	0.00	354.55
	PTW: Rural Schedule (unmetered)	301113	1328154	2091.73	17.98%	170.00		0.00	354.55	0.00	0.00	354.55
	Metered	26383	73120	160.85	25.11%				9.00	0.00	53.60	62.60
	PTW: Rural Schedule (metered)	24636	63092	107.27	19.41%	70.00		2.00	6.93	0.00	21.45	28.39
	PTW: Urban Schedule (metered)	1747	10028	53.58	60.99%	130.00		6.00	2.07	0.00	32.15	34.22
	Sub Total	327496	1401274	2252.58	18.35%				363.55	0.00	53.60	417.15
6	LMV 6: Small and Medium Power upto 100 HP (75 kW)											
	Consumers getting supply as per "Rural Schedule"	16100	168410	105.46	7.15%				40.26	0.00	72.59	112.85
	Up to 1000 kWh / month	14012	155376	59.87	4.40%	268.25		6.75	37.14	0.00	40.43	77.57
	Up to 2000 kWh / month	1327	7109	24.80	39.83%	268.25		6.85	1.70	0.00	16.98	18.68
	For above 2000 kWh / month	762	5925	20.78	40.03%	268.25		7.31	1.42	0.00	15.18	16.60
	Consumers getting supply other than "Rural Schedule"	15577	186379	466.20	28.55%				47.49	0.00	354.93	402.41
	Up to 1000 kWh / month	9782	130230	157.85	13.84%	290.00		7.30	33.18	0.00	115.78	148.96
	Up to 2000 kWh / month	2941	25589	111.71	49.84%	290.00		7.40	6.52	0.00	83.06	89.58
	For above 2000 kWh / month	2854	30560	196.64	73.45%	290.00		7.90	7.79	0.00	156.08	163.87
	Sub Total	31677	354789	571.66	18.39%				87.75	0.00	427.52	515.27
7	LMV-7: Public Water Works											
	Rural Schedule	1567	34492	139.01	46.01%				14.22	0.00	110.58	124.80
	Rural Schedule: Jal Nigam	1312	24821	104.11	47.88%	346.88		7.96	10.23	0.00	82.82	93.05

	Rural Schedule: Jal Sansthan	88	1933	19.56	115.53%	346.88	7.96	0.80	0.00	15.56	16.36
	Rural Schedule: Other PWWs	166	7738	15.33	22.62%	346.88	7.96	3.19	0.00	12.20	15.39
	Urban Schedule	1961	82123	204.87	28.48%			36.14	0.00	176.19	212.33
	Urban Schedule: Jal Nigam	540	10377	31.46	34.61%	375.00	8.60	4.62	0.00	27.06	31.68
	Urban Schedule: Jal Sansthan	1023	56437	149.32	30.20%	375.00	8.60	24.79	0.00	128.41	153.20
	Urban Schedule: Other PWWs	398	15309	24.09	17.96%	375.00	8.60	6.72	0.00	20.72	27.44
	Sub Total	3528	116616	343.88	33.66%			50.36	0.00	286.77	337.13
8	LMV-8: State Tube Wells & Pump Canals upto 100 HP										
	Metered	12186	221674	1097.57	56.52%			114.87	0.00	932.93	1047.80
	Metered STW	12186	221674	1097.57	56.52%	330.00	8.50	114.87	0.00	932.93	1047.80
	Unmetered	0	0	0.00	0.00%			0.00	0.00	0.00	0.00
	Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	0	0	0.00	0.00%	3300.00	0.00	0.00	0.00	0.00	0.00
	Unmetered: Laghu Dal Nahar above 100 BHP	0	0	0.00	0.00%	3300.00	0.00	0.00	0.00	0.00	0.00
	Sub Total	12186	221674	1097.57	56.52%			114.87	0.00	932.93	1047.80
9	LMV-9: Temporary Supply										
	Metered	293	3774	1.47	4.45%			1.30	0.00	1.18	2.48
	Metered TS: Individual residential consumers	181	328	1.47	51.21%	200.00	8.00	0.08	0.00	1.18	1.25
	Metered TS: Others	112	3447	0.00	0.00%	300.00	9.00	1.22	0.00	0.00	1.22
	Unmetered	0	0	0.00	0.00%			0.00	0.00	0.00	0.00
	Unmetered TS: Ceremonies	0	0	0.00	0.00%	4750.00	0.00	0.00	0.00	0.00	0.00
	Unmetered TS: Temp shops	0	0	0.00	0.00%	560.00	0.00	0.00	0.00	0.00	0.00
	Sub Total	293	3774	1.47	4.45%			1.30	0.00	1.18	2.48
10	LMV-10: Departmental Employees										
	LMV-10: Sub Total	30595	101591	114.78	12.90%	100.00	6.25	61.32	0.00	0.00	61.32
11	LMV-11: Electrical Vehicles	0	0	0.00							
	Multi Story Buildings	0	0	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
	LMV-1b	0	0	0.00	0.00%	0.00	6.20	0.00	0.00	0.00	0.00
	HV-1b	0	0	0.00	0.00%	0.00	5.90	0.00	0.00	0.00	0.00
	Public Charging Station	0	0	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
	LT	0	0	0.00	0.00%	0.00	7.70	0.00	0.00	0.00	0.00
	HT	0	0	0.00	0.00%	0.00	7.30	0.00	0.00	0.00	0.00
	Sub Total	0	0	0.00	0.00%			0.00	0.00	0.00	0.00
12	HV-1: Non-Industrial Bulk Loads										
	Urban Schedule - Supply at 11 kV	761	205403	428.72	23.83%	430.00	8.50	53.60	0.00	375.40	429.00
	Urban Schedule - Supply above 11 kV	36	37609	76.08	23.09%	400.00	8.30	40.68	0.00	61.31	101.99
	Sub Total	896	271650	529.33	22.24%			94.28	0.00	436.72	530.99
13	HV-2: Large and Heavy Power above 100 BHP (75 kW)										
	HV2 Urban Schedule: Supply at 11 kV	1142	141077	706.01	57.13%	300.00	7.10	37.54	0.00	500.39	537.93
	05:00 hrs to 11:00 hrs	1142	141077	353.01	28.56%	300.00	6.57	8.64	0.00	106.74	115.38
	11:00 hrs to 17:00 hrs	263	32476	81.26	28.56%	300.00	7.10	13.68	0.00	182.71	196.39
	17:00 hrs to 23:00 hrs	416	51421	128.67	28.56%	300.00	8.17	7.66	0.00	117.65	125.31
	23:00 hrs to 05:00 hrs	233	28793	72.05	28.56%	300.00	6.57	7.55	0.00	93.30	100.85
	HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	35	86244	405.30	53.65%	290.00	6.80	21.97	0.00	275.12	297.10
	05:00 hrs to 11:00 hrs	35	86244	202.65	26.82%	290.00	6.29	5.06	0.00	58.69	63.74
	11:00 hrs to 17:00 hrs	8	19853	46.65	26.82%	290.00	6.80	8.01	0.00	100.45	108.46
	17:00 hrs to 23:00 hrs	13	31435	73.86	26.82%	290.00	7.82	4.48	0.00	64.69	69.17
	23:00 hrs to 05:00 hrs	7	17602	41.36	26.82%	290.00	6.29	4.42	0.00	51.30	55.72
	HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	4	35321	84.53	27.32%	270.00	6.40	8.30	0.00	54.00	62.31
	05:00 hrs to 11:00 hrs	4	35321	42.27	13.66%	270.00	5.92	1.91	0.00	11.52	13.43
	11:00 hrs to 17:00 hrs	1	8131	9.73	13.66%	270.00	6.40	3.03	0.00	19.72	22.74
	17:00 hrs to 23:00 hrs	2	12874	15.41	13.66%	270.00	7.36	1.69	0.00	12.70	14.39
	23:00 hrs to 05:00 hrs	1	7209	8.63	13.66%	270.00	5.92	1.67	0.00	10.07	11.74
	HV2 Urban Schedule: Supply above 132 kV	0	0	0.00	0.00%	270.00	6.10	0.00	0.00	0.00	0.00
	05:00 hrs to 11:00 hrs	0	0	0.00	0.00%	270.00	6.57	0.00	0.00	0.00	0.00
	11:00 hrs to 17:00 hrs	0	0	0.00	0.00%	270.00	7.10	0.00	0.00	0.00	0.00
	17:00 hrs to 23:00 hrs	0	0	0.00	0.00%	270.00	8.17	0.00	0.00	0.00	0.00
	23:00 hrs to 05:00 hrs	0	0	0.00	0.00%	270.00	6.57	0.00	0.00	0.00	0.00
	HV2 Rural Schedule: Supply at 11 kV	26	6235	5.25	9.61%	277.50	6.57	1.52	0.00	3.45	4.97
	Sub Total	1207	268877	1201.09	50.99%			69.33	0.00	832.97	902.30
14	HV-3: Railway Traction										
	HV3 Supply at and above 132 kV	1	10800	16.85	17.81%	400.00	8.50	0.00	0.00	0.00	0.00
	HV3 Supply below 132 kV	0	0	0.00	0.00%	400.00	8.80	0.00	0.00	0.00	0.00
	HV3 For Metro traction	0	0	0.00	0.00%	300.00	7.30	0.00	0.00	0.00	0.00
	Sub Total	1	10800	16.85	17.81%			0.00	0.00	0.00	0.00
15	HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)										
	HV4 Supply at 11kV	27	24459	214.79	100.25%	350.00	8.50	7.67	0.00	182.57	190.24
	HV4 Supply above 11kV & upto 66kV	6	117586	271.69	26.38%	340.00	8.40	35.80	0.00	228.22	264.02
	HV4 Supply above 66 kV & upto 132kV	0	0	0.00	0.00%	330.00	8.25	0.00	0.00	0.00	0.00
	Sub Total	33	142045	486.48	39.10%			43.47	0.00	410.79	454.26
16	Bulk Supply	0	0	0.00	0.00%	0.00	4.19	0.00	0.00	0.00	0.00
17	Extra State Consumer	1	770	3.01	44.64%	0.00	7.83	0.00	0.00	2.36	2.36
	Grand Total	8980809	15930879	23538.56	16.87%			2760.06	0.00	11740.32	14500.38

Form No: F12

Name of Distribution Licensee

Summary of revenues and gap/surplus across major categories at proposed tariff

PuVVNL	Type of installation	ARR				
		FY 2021-22				
		Projected				
	Total Sales	Total Revenue Realization from sale of power at proposed tariffs (Rs. Crs.)	Average revenue realisation (Rs./unit)	Average cost to Serve (Rs./unit)	(Gap) / Surplus (Rs / unit)	
		A	B	C	B-C	
LMV-1: Domestic Light, Fan & Power						
Life Line Consumers (both Rural and Urban)						
	(up to 100 kWh/month)	299.86	112.44	3.75	9.03	(5.28)
	Dom: Rural Schedule (unmetered)	299.86	112.44	3.75	9.03	(5.28)
		0.00	0.00	0.00	-	-
	Dom: Rural Schedule (metered) other than BPL	10443.37	4988.75	4.78	8.85	(4.08)
	0-100 kWh/month	1775.37	2228.98	12.55	-	12.55
	101-150 kWh/month	3341.88	999.58	2.99	-	2.99
	151-300 kWh/month	2715.28	1012.69	3.73	-	3.73
	301-500 kWh/month	1963.35	558.53	2.84	-	2.84
	Above 500 kWh/Month (starting from 501 unit)	647.49	188.97	2.92	-	2.92
	Dom: Supply at Single Point for Bulk Load	39.00	32.67	8.38	8.64	(0.27)
	Other Metered Domestic Consumers other than BPL	3749.91	2629.37	7.01	8.77	(1.76)
	0-150 kWh/month	1312.47	1334.80	10.17	-	10.17
	151-300 kWh/month	337.49	425.83	12.62	-	12.62
	301-500 kWh/month	562.49	382.47	6.80	-	6.80
	Above 500 kWh/Month (starting from 501 unit)	1537.46	486.26	3.16	-	3.16
	Sub Total	14532.14	7763.23	5.34	8.84	(3.49)
		0.00	0.00	-	-	-
LMV-2: Non Domestic Light, Fan & Power						
Non Dom: Rural Schedule (unmetered)						
		0.00	0.00	0.00	-	-
	Non Dom: Rural Schedule (metered)	235.44	159.11	6.76	8.77	(2.02)
	Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign	1.01	1.82	18.00	8.77	9.23
	Non Dom: Other Metered Non-Domestic Supply	1835.59	1976.77	10.77	8.70	2.07
	Upto 300 kWh / month	881.08	1060.65	12.04	-	12.04
	301 – 1000 kWh / month	466.97	429.54	9.20	-	9.20
	Above 1000 kWh/Month	308.38	486.59	15.78	-	15.78
	Sub Total	2072.03	2137.70	10.32	8.70	1.61
		0.00	0.00	-	-	-
LMV-3: Public Lamps						
Unmetered						
	Unmetered - Gram Panchayat	0.00	0.00	0.00	-	-
	Unmetered - Nagar Palika & Nagar Panchayat	0.00	0.00	0.00	-	-
	Unmetered - Nagar Nigam	0.00	0.00	0.00	-	-
Metered						
	Metered - Gram Panchayat	117.41	109.80	9.35	-	9.35
	Metered - Nagar Panchayat	4.24	3.60	8.50	8.62	(0.13)
	Metered - Nagar Palika & Nagar Panchayat	54.41	50.44	9.27	8.62	0.65
	Metered - Nagar Nigam	58.76	55.75	9.49	8.62	0.87
	Sub Total	117.41	109.80	9.35	8.62	0.73
		0.00	0.00	-	-	-
LMV-4: Light, fan & Power for Institutions						
Inst: Public						
	Inst: Public : 0 – 1000 kWh / month	160.16	169.94	10.61	8.67	1.94
	Inst: Public : 1001 – 2000 kWh / month	120.12	131.97	10.99	-	10.99
	Inst: Public : Above 2000 kWh / month	28.83	27.79	9.64	-	9.64
	Inst: Private	11.21	10.18	9.08	-	9.08
	Inst: Private : 0 – 1000 kWh / month	38.13	48.66	12.76	8.65	4.11
	Inst: Private : Above 1000 kWh / month	19.06	29.82	15.64	-	15.64
	Inst: Private : Above 1000 kWh / month	19.06	18.84	9.88	-	9.88
	Sub Total	198.29	218.60	11.02	8.67	2.36
		0.00	0.00	-	-	-
LMV-5: Private Tube Wells/ Pumping Sets						
Unmetered						
	PTW: Rural Schedule (unmetered)	2091.73	354.55	1.69	8.68	(6.98)
Metered						
	PTW: Rural Schedule (metered)	2091.73	354.55	1.69	8.68	(6.98)
	PTW: Urban Schedule (metered)	160.85	62.60	3.89	8.68	(4.79)
	PTW: Rural Schedule (metered)	107.27	28.39	2.65	8.71	(6.06)
	PTW: Urban Schedule (metered)	53.58	34.22	6.39	8.63	(2.25)
	Sub Total	2252.58	417.15	1.85	8.68	(6.83)
		0.00	0.00	-	-	-
LMV 6: Small and Medium Power upto 100 HP (75 kW)						
Consumers getting supply as per "Rural Schedule"						
	Up to 1000 kWh / month	105.46	112.85	10.70	8.68	2.02
	Up to 2000 kWh / month	59.87	77.57	12.96	-	12.96
	Up to 2000 kWh / month	24.80	18.68	7.53	-	7.53
	For above 2000 kWh / month	20.78	16.60	7.99	-	7.99
Consumers getting supply other than "Rural Schedule"						
	Up to 1000 kWh / month	466.20	402.41	8.63	8.63	(0.00)
	Up to 2000 kWh / month	157.85	148.96	9.44	-	9.44
	Up to 2000 kWh / month	111.71	89.58	8.02	-	8.02
	For above 2000 kWh / month	196.64	163.87	8.33	-	8.33
	Sub Total	571.66	515.27	9.01	8.64	0.37
		0.00	0.00	-	-	-
LMV-7: Public Water Works						
Rural Schedule						
	Rural Schedule: Jal Nigam	139.01	124.80	8.98	8.63	0.35
	Rural Schedule: Jal Nigam	104.11	93.05	8.94	8.63	0.31
	Rural Schedule: Jal Sansthan	19.56	16.36	8.36	8.62	(0.26)
	Rural Schedule: Other PWWs	15.33	15.39	10.04	8.63	1.41
Urban Schedule						
	Urban Schedule: Jal Nigam	204.87	212.33	10.36	8.63	1.74
	Urban Schedule: Jal Nigam	31.46	31.68	10.07	8.63	1.44
	Urban Schedule: Jal Sansthan	149.32	153.20	10.26	8.62	1.64
	Urban Schedule: Other PWWs	24.09	27.44	11.39	8.63	2.76
	Sub Total	343.88	337.13	9.80	8.63	1.18
		0.00	0.00	-	-	-
LMV-8: State Tube Wells & Pump Canals upto 100 HP						
Metered						
	Metered STW	1097.57	1047.80	9.55	8.63	0.92
	Metered STW	1097.57	1047.80	9.55	8.63	0.92
Unmetered						
	Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	0.00	0.00	0.00	-	-
	Unmetered: Laghu Dal Nahar above 100 BHP	0.00	0.00	0.00	-	-
	Sub Total	1097.57	1047.80	9.55	8.63	0.92
		0.00	0.00	-	-	-
LMV-9: Temporary Supply						
Metered						
	Metered TS: Individual residential consumers	1.47	2.48	16.84	8.70	8.15
	Metered TS: Others	1.47	1.25	8.53	8.67	(0.14)
Unmetered						
	Unmetered TS: Ceremonies	0.00	1.22	0.00	-	-
	Unmetered TS: Temp shops	0.00	0.00	0.00	-	-
	Sub Total	1.47	2.48	16.84	8.70	8.15
		0.00	0.00	-	-	-
LMV-10: Departmental Employees						
	LMV-10: Sub Total	114.78	61.32	5.34	8.72	(3.38)
		0.00	0.00	-	-	-
LMV-11: Electrical Vehicles						
		0.00	0.00	-	-	-

Multi Story Buildings	0.00	0.00	0.00	-	-
LMV-1b	0.00	0.00	0.00	-	-
HV-1b	0.00	0.00	0.00	-	-
Public Charging Station	0.00	0.00	0.00	-	-
LT	0.00	0.00	0.00	-	-
HT	0.00	0.00	0.00	-	-
Sub Total	0.00	0.00	0.00	-	-
	0.00	0.00		-	
HV-1: Non-Industrial Bulk Loads	0.00	0.00		-	
Sub Total	529.33	530.99	10.03	8.62	1.41
	0.00	0.00		-	
HV-2: Large and Heavy Power above 100 BHP (75 kW)	0.00	0.00		-	
HV2 Urban Schedule: Supply at 11 kV	706.01	537.93	7.62	8.62	(1.00)
05:00 hrs to 11:00 hrs	353.01	115.38	3.27	-	3.27
11:00 hrs to 17:00 hrs	81.26	196.39	24.17	-	24.17
17:00 hrs to 23:00 hrs	128.67	125.31	9.74	-	9.74
23:00 hrs to 05:00 hrs	72.05	100.85	14.00	-	14.00
HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	405.30	297.10	7.33	8.62	(1.29)
05:00 hrs to 11:00 hrs	202.65	63.74	3.15	-	3.15
11:00 hrs to 17:00 hrs	46.65	108.46	23.25	-	23.25
17:00 hrs to 23:00 hrs	73.86	69.17	9.36	-	9.36
23:00 hrs to 05:00 hrs	41.36	55.72	13.47	-	13.47
HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	84.53	62.31	7.37	8.62	(1.25)
05:00 hrs to 11:00 hrs	42.27	13.43	3.18	-	3.18
11:00 hrs to 17:00 hrs	9.73	22.74	23.38	-	23.38
17:00 hrs to 23:00 hrs	15.41	14.39	9.34	-	9.34
23:00 hrs to 05:00 hrs	8.63	11.74	13.61	-	13.61
HV2 Urban Schedule: Supply above 132 kV	0.00	0.00	0.00	-	-
05:00 hrs to 11:00 hrs	0.00	0.00	0.00	-	-
11:00 hrs to 17:00 hrs	0.00	0.00	0.00	-	-
17:00 hrs to 23:00 hrs	0.00	0.00	0.00	-	-
23:00 hrs to 05:00 hrs	0.00	0.00	0.00	-	-
HV2 Rural Schedule: Supply at 11 kV	5.25	4.97	9.46	8.62	0.84
Sub Total	1201.09	902.30	7.51	8.62	(1.11)
	0.00	0.00		-	
HV-3: Railway Traction	0.00	0.00		-	
HV3 Supply at and above 132 kV	16.85	18.21	10.81	0.00	10.81
HV3 Supply below 132 kV	0.00	0.00	0.00	-	-
HV3 For Metro traction	0.00	0.00	0.00	-	-
Sub Total	16.85	18.21	10.81	8.62	2.19
	0.00	0.00		-	
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)	0.00	0.00		-	
HV4 Supply at 11kV	214.79	190.24	8.86	8.62	0.23
HV4 Supply above 11kV & upto 66kV	271.69	264.02	9.72	8.62	1.10
HV4 Supply above 66 kV & upto 132kV	0.00	0.00	0.00	-	-
Sub Total	486.48	454.26	9.34	8.62	0.72
	0.00	0.00		-	
Bulk Supply	0.00	0.00	0.00	-	-
Extra State Consumer	3.01	2.36	7.83	8.62	(0.79)
Grand Total	23538.56	14518.59	6.17	8.77	(2.60)

AT&C loss (%) Calculation as per Annexure B of MYT Regulation 2014

Sr. No.	Particulars			PuVVNL
1	Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of Distribution Licensee	A	MU	-
2	Input energy (metered Import) received at interface points of Distribution Licensee network	B	MU	26,651.59
3	Input energy (metered Export) by the Distribution Licensee at interface points of Distribution Licensee network	C	MU	-
4	Total Energy available for sale within the licensed area to the consumers of the Distribution Licensee	D=A+B-C	MU	26,651.59
5	Energy billed to metered consumers within the licensed area of the Distribution Licensee	E	MU	21,237.26
6	Energy billed to un-metered consumers within the licensed area of the Distribution Licensee	F	MU	
7	Total Energy Billed	G=E+F	MU	21,237.26
8	Amount billed to consumer within the licensed area of the Distribution Licensee	H	Rs crores	11,641.41
9	Late Payment Surcharge	I	Rs crores	264.74
10	Amount realized by the Distribution Licensee out of the amount Billed at H	J	Rs crores	8,778.64
11	Subsidy Amount Received	K	Rs crores	3,289.09
12	Amount Realised on account of theft cases	L	Rs crores	
13	Energy Realized on account of theft cases	$M=(LXG)/H$	MU	-
14	Collection Efficiency (%)	$N=[(J-I+K+L)/(H+K+L)] \times 100$	%	79.05%
15	Energy Realized by the Distribution Licensee	P=NXG	MU	16,788.66
16	Distribution Loss (%)	$Q=[(D-G)/D] \times 100$	%	20.32%
17	AT&C Loss (%)	$R=[(D-(P+M))/D] \times 100$	%	37.01%

Particulars		PuVVNL
Actual Energy Purchase at Discom Periphery	MU	26,652
Energy Sales	MU	21,237
Energy Input on Normative Distribution Losses	MU	24,188
AT&C UDAY Target for FY 2019-20	%	15.49%
AT&C Achieved in FY 2019-20	%	37.01%
Normative Distribution Losses	%	12.20%
Actual Distribution Losses	%	20.32%
Actual Collection Efficiency	%	79.05%
Normative Collection Efficiency	%	96.25%
Revenue Assessment	Rs Crore	11,641.41
		Loss
Sharing of Distribution Losses	Rs Crore	602.50

S.No.	Particulars	Formulae	DVVNL	PVVNL	PuVVNL	MVVNL	KESCO	Total
1	Revenue from Tariff including subsidy (Rs Cr)	A	12,387.29	20,164.96	15,670.74	13,236.63	2,467.11	63,926.72
2	Energy Sales (MU)	B	19,117.15	27,382.25	21,480.00	18,212.67	3,021.43	89,213.50
3	Power Procurement Cost							
A1	Power Procurement Cost – Allocated and Unallocated PPAs (Rs Cr)							49,112.03
A2	Inter State Transmission Charges (Rs Cr)							5,122.21
A1+A2	Total Power Procurement Cost excluding intra state Transmission Charges (In Rs Cr)	C						54,234.24
4	Power Procurement cost of Allocated PPAs (Rs Cr)	D	2559.44	4729.17	2748.00	2748.00	188.56	12,973.18
5	Total Power Required at Discom Periphery (MU)	E	24,306.61	32,082.30	26,584.16	22,388.04	3,303.55	108,664.67
6	Power at Discom Periphery from allocated PPAs (MU)	F	4914.60	9230.23	5324.03	5324.03	409.42	25,202.31
7	Other Cost (Intra State Transmission, O&M, Interest, Dep etc.) (Rs. Cr.)	G	3,928.88	4,768.21	4,711.59	3,747.01	648.32	17,804.01
8	ABR (Rs/ Unit)	$H=(A/B)*10$	6.48	7.36	7.30	7.27	8.17	7.17
9	Other Cost (Rs/Unit of Sale)	$I=G*10/B$	2.06	1.74	2.19	2.06	2.15	2.00
10	Power Purchase Rate							
A	Allocated PPAs per unit of sale (Rs/unit)	$J=D*10/B$	1.34	1.73	1.28	1.51	0.62	1.45
B	Unallocated PPAs per unit of sale	$K=(C-\text{Total PP at "D"})*10/\text{Total Sale at "B"}$	4.62					
11	Revenue available for unallocated PPAs (Rs./unit of sale)	$L=H-I-J$	3.09	3.90	3.82	3.70	5.40	3.72
12	Power Purchase Allocation (per unit of sale) "K" in the ratio of available Revenue "L"	M	3.84	4.85	4.76	4.61	6.72	4.62
13	Total Power Purchase cost per unit of sale including allocated PPAs	$N=J+M$	5.18	6.58	6.04	6.12	7.34	6.08
14	Total Power Purchase Cost (Rs Crs)	$O=N*B/10$	9,901.86	18,007.05	12,968.38	11,139.26	2,217.70	54,234.24
	DBST (Rs/Unit)							
15	DBST Computation of Allocated PPAs	P	5.21	5.12	5.16	5.16	4.61	5.15
16	DBST Computation of Unallocated PPAs	$Q=M*B/(E-F)$	3.79	5.81	4.81	4.92	7.01	4.94
17	DBST of total PPAs	$R=O*10/E$	4.07	5.61	4.88	4.98	6.71	4.99

S.No.	Particulars	Formulae	DVVNL	PVVNL	PuVVNL	MVVNL	KESCO	Total
1	Revenue from Tariff including subsidy (Rs Cr)	A	13,690.39	22,012.52	17,843.39	14,522.57	2,768.98	70,837.86
2	Energy Sales (MU)	B	20,067.07	29,694.93	23,538.56	18,894.43	3,413.34	95,608.34
3	Power Procurement Cost							
A1	Power Procurement Cost – Allocated and Unallocated PPAs (Rs Cr)							55,251.83
A2	Inter State Transmission Charges (Rs Cr)							6769.17
A1+A2	Total Power Procurement Cost excluding intra state Transmission Charges (In Rs Cr)	C						62020.99
4	Power Procurement cost of Allocated PPAs (Rs Cr)	D	1895.70	3481.13	2028.51	2028.51	132.80	9,566.64
5	Total Power Required at Discom Periphery (MU)	E	25,115.24	34,349.26	28,705.56	22,791.83	3,727.58	114,689.47
6	Power at Discom Periphery from allocated PPAs (MU)	F	3770.53	6865.93	4016.29	4016.29	245.75	18,914.78
7	Other Cost (Intra State Transmission, O&M, Interest, Dep etc.) (Rs. Cr.)	G	4,329.75	5,120.71	5,358.47	4,363.41	707.91	19,880.25
8	ABR (Rs/ Unit)	$H=(A/B)*10$	6.82	7.41	7.58	7.69	8.11	7.41
9	Other Cost (Rs/Unit of Sale)	$I=G*10/B$	2.16	1.72	2.28	2.31	2.07	2.08
10	Power Purchase Rate							
A	Allocated PPAs per unit of sale (Rs/unit)	$J=D*10/B$	0.94	1.17	0.86	1.07	0.39	1.00
B	Unallocated PPAs per unit of sale	$K=(C-\text{Total PP at "D"})*10/\text{Total Sale at "B"}$	5.49					
11	Revenue available for unallocated PPAs (Rs./unit of sale)	$L=H-I-J$	3.72	4.52	4.44	4.30	5.65	4.33
12	Power Purchase Allocation (per unit of sale) "K" in the ratio of available Revenue "L"	M	4.71	5.72	5.63	5.45	7.16	5.49
13	Total Power Purchase cost per unit of sale including allocated PPAs	$N=J+M$	5.66	6.90	6.49	6.53	7.55	6.49
14	Total Power Purchase Cost (Rs Crs)	$O=N*B/10$	11,355.94	20,476.36	15,279.81	12,332.41	2,576.48	62,020.99
	DBST (Rs/Unit)							
15	DBST Computation of Allocated PPAs	P	5.03	5.07	5.05	5.05	5.40	5.06
16	DBST Computation of Unallocated PPAs	$Q=M*B/(E-F)$	4.43	6.18	5.37	5.49	7.02	5.48
17	DBST of total PPAs	$R=O*10/E$	4.52	5.96	5.32	5.41	6.91	5.41

Form No: F14

PuVVNL

Normative Parameters Computed

S.No.	Particulars	UoM	Past years			True- Up		APR		ARR
			FY 2016-17	FY 2017-18	FY 2018-	FY 2019-20		FY 2020-21		FY 2021-22
			Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Claimed	Approved (in TO)	Revised Estimates	Projected
1	Base Rate of Return on Equity	%	16%	16%	16%	16%	16%	15%	15%	15%
2	Tax Rate	%	33.33%	33.33%	34.94%		34.94%		34.94%	34.94%
3	Target Availability	%								
3a	Wheeling Network Availability Index	%								
3.b	Supply Availability Index	%								
4	Normative Employees Expenses per '000 customers.	Rs. Crores		0.184	0.201	0.218	0.218			
5	Normative Employee Expenses per Sub Station	Rs. Crores		0.003	0.004	0.004	0.004			
6	Normative A&G expenses per '000 Customers	Rs. Crores		0.023	0.0246	0.026	0.026			
7	Normative R&M expenses	% of GFA		5.93%	6.20%	6.47%	6.47%			
8	Maintenance Spares for Working Capital	% of O&M	40% of 2 Months R&M	40% of 2 Months R&M	40% of two months R&M	40% of two months R&M	40% of two months R&M	1%	1%	1%
9	Receivables for Working Capital	in Months	2	2	2.00	2.00	2.00	1.5	1.5	1.5
10	Base Rate of Reserve Bank as on 1st April	%					6.5%		4.65%	4.65%

Form No: F15

PuVVNL

Abstract of Capital Cost

S.No	Particulars	Form	Past years Data				True- Up			APR	ARR
			FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21	FY 2021-22
			Trued- Up	Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Revised Estimates	Projected
1	Capital Cost as admitted by UPERC	Opening	6459.31	7,107.77	8,067.39	8,702.21	8,965.81		10,524.50	13,263.25	15,991.05
2	Less : Gross Block of Assets not in use										
3	Less : Consumer Contribution and Grants		438.36	427.63	702.63	491.08			2,843.63	171.83	2,172.54
4	Less:Capital liabilities										
5	Total Capital Cost admitted		6,020.95	6,680.14	7,364.76	8,211.13	8,965.81		7,680.87	13,091.43	13,818.51
	Less: Deductions during the year		1,833.04	692.51	700.23	701.34			848.66	-	
6	Increase /Decrease due to ACE	addition	2,919.86	2,079.75	2,037.68	3,014.71	1,508.58		6,431.04	2,899.62	3,230.23
7	Increase /Decrease due to FERV	deletion									
8	Less:Capital liabilities on account of ACE										
9	Add: Capital Liabilities Paid during the year										
10	Capital Cost for Purposes of ARR	Closing	7,107.77	8,067.38	8,702.21	10,524.50	10,474.39	-	13,263.25	15,991.05	17,048.73

Form No:F16

PuVVNL

Reconciliation of Capital Cost with Gross Block

S.No.	Particulars	Past years Data			True-Up			APR	ARR
		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21	FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Revised Estimates	Projected	Projected
A	Gross Block (Opening)	7107.77	8067.39	8702.21	10,434.93	0.00	10,524.50	13,263.25	15,991.05
B	Add:Expenditure allowed but not capitalized								
C	Less :Expenditure Capitalized but not allowed								
D	Capital cost Admitted by the Commisson(A+B-C)	7,107.77	8,067.39	8,702.21	10,434.93		10,524.50	13,263.25	15,991.05

Sl. No.	Date of Acquisition/Installation	Financial Year*				FY 2018-19 (trued-up)				FY 2019-20 (True-Up)				FY 2020-21 (Revised Estimates)				FY 2021-22 (ARR)			
		Historical Cost/Cost of Acquisition	Date of withdrawal operations	Accumulated Depreciation on date of withdrawal	Written down value on date of withdrawal	Historical Cost/Cost of Acquisition	Date of withdrawal operations	Accumulated Depreciation on date of withdrawal	Written down value on date of withdrawal	Historical Cost/Cost of Acquisition	Date of withdrawal operations	Accumulated Depreciation on date of withdrawal	Written down value on date of withdrawal	Historical Cost/Cost of Acquisition	Date of withdrawal operations	Accumulated Depreciation on date of withdrawal	Written down value on date of withdrawal	Historical Cost/Cost of Acquisition	Date of withdrawal operations	Accumulated Depreciation on date of withdrawal	Written down value on date of withdrawal

NA

*Note:- Information to be provided for Past year, True-Up year, APR year & for each year of the Control Period

Form No: F18

PuVVNL

Consumer contributions and grants towards cost of capital assets

S. No	Particulars	Past Years Data			True-Up									APR			ARR					
		FY 2018-19			FY 2019-20									FY 2020-21			FY 2021-22					
		Trued- Up/Audited			Approved (in TO)			Audited			Claimed			Revised Estimates			Projected					
		Additions during the Year	Amortisation	Balance at the end of the Year	Additions during the Year	Amortisation	Balance at the end of the Year	Additions during the Year	Amortisation	Balance at the end of the Year	Additions during the Year	Amortisation	Balance at the end of the Year	Additions during the Year	Amortisation	Balance at the end of the Year	Additions during the Year	Amortisation	Balance at the end of the Year			
1	Consumer Contribution Towards Cost of Capital Assets			4,032.97							157.10	112.13	4,820.82	-	101.78	7,070.45	-	101.78	9,500.89			
2	Subsidies Towards Cost of Capital Asset											11.32					10.49					10.49
3	Grant Towards Cost of Capital Assets											754.19					2,361.91					2,542.71
4	Any Other Subsidy / Grant (Pls specify the source)																					
	Total	-	-	4,032.97							911.29	123.45	4,820.82	2,361.91	112.27	7,070.45	2,542.71	112.27	9,500.89			

Form No: F19

PuVVNL

Investment Plan - Master

Project Details						SOURCE OF FINANCING FOR SCHEME									
Name of Project	Year of Start	Nature of Project (Select appropriate code from below)	Whether the Project is part of approved Business Plan* (YES/NO)	Project Start Date (DD-MM-YY)	Project Completion date (DD-MM-YY)	Total capital expenditure approved by UPERC (Rs. Crs.)	Equity component		Capital Subsidies / grants component	Consumer Contribution component (%)	Loan Amount (%)	Equity (Rs Crore)	Capital Subsidies / grants component (Rs Crore)	Consumer Contribution component (RS)	Loan Amount (Rs Crore)
							Internal Accrual (from free reserves and surplus) (Rs. Cr.)	Equity infused (Rs. Cr.)**							
RGVY 11th Plan	2012	Rural Electrification	Yes	26-Dec-12	31-Dec-19				90%		10%	0.00	0.00	0.00	0.00
RGVY 12th Plan	2014	Rural Electrification	Yes	01-Sep-14	31-Dec-19				90%		10%	0.00	0.00	0.00	0.00
DDUGJY	2016	Feeder Separation, Rural Electrification, sub-station and metering etc	Yes	01-Jun-16	1-Mar-20			10%	60%		30%	0.00	0.00	0.00	0.00
Saubhagya	2017	Providing Connection to UE households and creation of associated additional infra.	Central scheme	11-Oct-17	1-Mar-20			10%	60%		30%	0.00	0.00	0.00	0.00
RAPDRP-B	2012	b,c,d	Yes		31st December, 2019				25%		75%	0.00	0.00	0.00	0.00
IPDS	2016	b,c,d	Yes	16 march, 2016	30 March, 2020			10%	60%		30%	0.00	0.00	0.00	0.00
CAPEX for FY 2020-21	2020	b,d,e	Yes	2020	1-Apr-21	2,522.25		11%	76%	0%	13%	277.43	1,925.76	-	319.06
CAPEX for FY 2021-22	2021	b,d,e				3,040.44		5%	84%	0%	11%	164.72	2,542.71	-	333.01

*Information to be provided for current year and each year of the Control Period for all Projects either spilling into the Control Period or starting during Control Period

Notes:

**Supported with appropriate paper work i.e. Detailed Project Reports and other documents, as necessary

Codes for selecting Nature of Project

- a.EHV Schemes
- b.Distribution schemes
 - (i)System augmentation
 - (ii)System improvement
 - (iii)Schemes for loss reduction
- c.Metering schemes
- d.Capacitor
- e.SCADA / DMS etc
- f.Miscellaneous

Consolidated

Sr. No.	Scheme-wise Plan Project Title (M)	2021						2022						
		Consolidated						Consolidated						
		Financing Plan						Financing Plan						
		Physical	Finance	Grant	Consumer Contribution	Debt	Equity/Internal Accrual	Physical	Finance	Grant	Consumer Contribution	Debt	Equity/Internal Accrual	
1	Replacement of bare conductors with LT AB cable in rural habitations having more than 1000 population		300.54				210.38	90.16				179.86	77.08	
	<i>Target Kms</i>	7,667							7,667					
2	Installation of LT AB cable in urban areas	150	25.00	4.29			14.50	6.21	150	25.00	20.71		3.00	1.29
3	Extended program for feeder seperation for balance agricultural feeders								453	917.00	917.00			
4	Replacement of bare conductors with LT AB cable in remaining rural habitations		111.00	111.00			-	-		328.00	328.00			
	<i>Target Kms</i>	2,402							7,097					
5	Installation of new Capacitor banks		83.00	83.00			-	-						
	<i>1.98 MVAR</i>	241												
	<i>3.96 MVAR</i>	33												
6	New 33/11 KV Substation and capacity augumentation													
	<i>Rural-33/11 KV Sub-station (1x5 MVA-Nos.</i>	38	58.52				40.96	17.56	34	52.36			36.65	15.71
	<i>Urban-33/11 KV Sub-station (1x5 MVA-Nos.</i>	11	15.40				10.78	4.62	9	13.86			9.70	4.16
7	Construction of New 33KV lines to utilize bays for new transmission Sub-stations													
	<i>Rural-33 KV Line (9 metre PCC Pole)-CKM</i>	715	51.48				36.04	15.44	643	46.30			32.41	13.89
	<i>Urban-33 KV Line (11 metre ST Pole)-CKM</i>	127	9.144				6.40	2.74	111	7.99			5.59	2.40
8	Replacement of HT LT line by Underground cable in additional 15 districts	5.00	1,277.00	1,277.00			-	-		1,277.00	1,277.00			
9	Strengthening of 11 kV & LT Line and Replacement of damaged pole, providing additional pole in long span		20.00					20.00		22.00				22.00
10	Saubhagya Phase-3		450.47	450.47										
	<i>Service Connection (Nos)</i>	149,336.00												
11	IT INFRASTRUCTURE		120.69					120.69		93.99			65.79	28.20
	Total		2,522.25	1,925.76	-	319.06	277.43			3,040.44	2,542.71	-	333.01	164.72

Form No: F19B

PuVVNL

Commissioning / Capitalisation Plan - Master

Project Details			True- Up		APR	ARR
Name of Project	Nature of Project (Select appropriate code from below)	Year of Start	FY 2019-20		FY 2020-21	FY 2021-22
			Audited	Claimed	Revised Estimates	Projected
Other Schemes				2040.41	1,923.16	2,544.53
RGVY 11th Plan & 12th Plan	Rural Electrification	26-Dec-12		777.79	-	-
DDUGJY	Feeder Separation, Rural Electrification, sub-station and metering etc	1-Jun-16		578.38	49.94	-
APDRP				0.00	-	-
RAPDRP	b,c,d	2012		301.97	-	-
IPDS	b,c,d	16 march, 2016		1010.85	127.62	-
SAUBHAGYA YOJNA	Providing Connection to UE households and creation of associated additional infra.	11-Oct-17		1721.64	113.20	-
Less: Employee Capitalisation				460.33	-	-
Less: Interest Capitalization				225.36	-	-
Total including Interest and employee capitalisation (A)				5,745.35	2,213.93	2,544.53
Add: Employee Capitalisation (B)				460.33	460.33	460.33
Add: Interest Capitalization (C)				225.36	225.36	225.36
Total (D= A+B+C)				6,431.04	2,899.62	3,230.23
Asset not belonging to Discoms (E)				0.00	-	-
Total (F= D+E)				6431.04	2,899.62	3,230.23

All schemes should necessarily be in the same serial order

Codes for selecting Nature of work

- a.EHV Schemes
- b.Distribution schemes
 - (i)System augmentation
 - (ii)System improvement
 - (iii)Schemes for loss reduction
- c.Metering schemes
- d.Capacitor
- e.SCADA / DMS etc
- f.Miscellaneous

Form No: F19C

PuVVNL

Year-wise Capital Expenditure- Loan Details

Name of scheme	Nature of Project (Select appropriate code from below)	Year of Start	Debt Component of capex in year	
			Loan Source	Loan Amount (Rs Cr)
FY 2019-20				
Other Schemes including Business Plan		Yearly	Internal	
RGGVY 11th Plan	Already provided in F 19	Already provided in F 19	REC	3.69
DDUGJY			PFC	55.72
APDRP			REC	
RAPDRP			REC	0.00
IPDS			PFC	87.33
SAUBHAGYA YOJNA			REC	217.46
FY 2020-21				
Capex for FY 2020-21	Already provided in F 19	Already provided in F 19		319.06
FY 2021-22				
Capex for FY 2021-22	Already provided in F 19	Already provided in F 19		333.01

Form No: F21

PuVVNL

Statement of Capital Works in Progress

S.No.	Particulars	Past years	APR			APR		ARR
		FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
		Trued- Up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
A	Opening CWIP Amount as per books	3,937.79	2,599.09	5,945.85	5,617.89	4,805.89	2,285.66	3,320.89
B	Addition/Adjustment in CWIP Amount during the period	1,994.40	1,500.14	3,098.81	3,098.81	3,843.85	3,934.85	3,726.13
C	Capitalization/Transfer to Fixed asset of CWIP Amount during the period	2,405.84	1,639.69	6,431.04	6,431.04	3,464.42	2,899.62	3,230.23
D	Closing CWIP Amount as per books	5,617.89	2,459.54	2,613.62	2,285.66	5,185.31	3,320.89	3,816.80

Form No: F21

PuVVNL

Capex and Capitalisation

PuVVNL	Scheme wise	FY 2019-20		FY 2020-21		FY 2021-22	
		Investments	Capitalisation	Investments	Capitalisation	Investments	Capitalisation
Other Schemes		1860.26	2040.41	2,522.25	1,923.16	3,040.44	2,544.53
RGVY 11th Plan and 12th Plan		36.88	777.79				
DDUGJY		185.72	578.38	124.84	49.94		
APDRP & RAPDRP		0.00	301.97				
IPDS		291.08	1,010.85	319.06	127.62		
SAUBHAGYA YOJNA		724.87	1,721.64	283.01	113.20		
less: Employee Capitalisation (B)		460.33	460.33				
less: Interest Capitalization (C)		225.36	225.36				
Total including Interest and employee capitalisation (A)		2,413.12	5,745.35	3,249.16	2,213.93	3,040.44	2,544.53
Add: Employee Capitalisation (B)		460.33	460.33	460.33	460.33	460.33	460.33
Add: Interest Capitalization (C)		225.36	225.36	225.36	225.36	225.36	225.36
Total (D= A+B+C)		3,098.81	6,431.04	3,934.85	2,899.62	3,726.13	3,230.23
Asset not belonging to Discoms (E)							
Total (F= D+E)		3,098.81	6,431.04	3,934.85	2,899.62	3,726.13	3,230.23

Schemes	Equity	Loan	Grant	FY 2019-20		FY 2020-21		FY 2021-22	
				Investments	Capitalisation	Investments	Capitalisation	Investments	Capitalisation
Other Schemes						1,925.76	(2.63)	2,542.71	2,172.54
RGVY 11th & 12th Plan		10%	90%	33.19	700.01	0.00	0.00	0.00	0.00
DDUGJY	10%	30%	60%	111.43	347.03	74.90	29.96	0.00	0.00
APDRP & RAPDRP		75%	25%	0.00	0.00	0.00	0.00	0.00	0.00
IPDS	10%	30%	60%	174.65	606.51	191.44	76.57	0.00	0.00
SAUBHAGYA YOJNA	10%	30%	60%	434.92	1,032.98	169.81	67.92	0.00	0.00
Total				754.19	2,686.53	2,361.91	171.83	2,542.71	2,172.54

Note: Capitalisation considered is 100% of CWIP and 40% of fresh investment

Form No: F22
PuVVNL

Reconciliation of Capital Liabilities with Financial Accounts

Rs. Crores

S.No.	Particulars	Past years			True- Up		
		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20		
		Trued- Up	Trued- Up		Approved (in TO)	Audited	Claimed
A.	Capital Liability for Capital Cost Admitted (opening)						
i	Capital Liabilities as per Books (Opening)						
	Less:						
ii	Capital Liabilities for CWIP						
iii	Capital Liabilities for expenditure not allowed						
iv	Capital Liability for Capital Cost allowed by the Commission vide Tariff Order (i-(ii+iii))	-	-		-	-	-
v	Liability paid during current year						
v	Capital Liability of Opening Capital Cost admitted (at year end)(iv-v)	-	-		-	-	-
B	Capital Liability for ACE during the year						
C	Total Capital Liability	-	-		-	-	-

Form: F23

PuVVNL

Financing of Capitalised Works		Rs Crore			
Particulars	Past years	True-Up		APR	ARR
	FY 2018-19	FY 2019-20		FY 2020-21	FY 2021-22
	Trued- Up	Audited	Claimed	Revised Estimates	Projected
Amount Capitalised in Work/Equipment	2,405.84		6,431.04	2,899.62	3,230.23
Financing Details:-					
Loan-1	PFC		PFC		
Loan-2	REC		REC		
Total Loan Amount	1,340.33		2,511.19	1909.46	740.38
Equity (Foreign +Domesttic)	574.43		1,076.22	818.34	317.31
Internal Resources					
Consumer Contribution	-		157.10	-	-
Capital Subsidies / Grants	-		2,686.53	171.83	2,172.54
Total Consumer contribution and grants	491.08		2,843.63	171.83	2,172.54
Grand Total	1,831.41		6,431.04	2899.62	3230.23

Notes:

Loan - 1, Loan - 2 etc. should be the names of loaning / funding agency

Form No.: F24

PuVVNL

Details of Allocation of loans to various distribution projects

Rs. Crores

Particulars	Package 1	Package 2	Package 3	Package 4	Package 5	Package 6
Source of Loan ¹						
Currency ²						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto 31.03._____/ COD ^{3,4,5,13,15}						
Interest Type ⁶						
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest ⁷						
Margin, if Floating Interest ⁸						
Are there any Caps/Floor ⁹						
If above is yes,specify caps/floor						
Moratorium Period ¹⁰						
Moratorium effective from						
Repayment Period ¹¹						
Repayment effective from						
Repayment Frequency ¹²						
Repayment Instalment ^{13,14}						
Base Exchange Rate ¹⁶						
Are foreign currency loan hedged?						
If above is yes,specify details ^{17, 18, 19}						

Distribution of loan packages to various distribution projects						
Name of the Projects						Total
Distribution Project 1						
Distribution Project 2						
Distribution Project 3 and so on						

¹ Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

² Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

³ Details are to be submitted as on 31.03.2020 for existing assets and as on COD for the remaining assets.

⁴ Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given seperately in the same form.

⁵ If the Tariff in the petition is claimed seperately for various units, details in the Form is to be given seperately for all the units in the same form.

⁶ Interest type means whether the interest is fixed or floating.

⁷ Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.

⁸ Margin means the points over and above the floating rate.

⁹ At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

¹⁰ Moratorium period refers to the period during which loan servicing liability is not required.

¹¹ Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

¹² Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual,

¹³ Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given seperately

¹⁴ If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished seperately.

¹⁵ In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.

¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2020 for existing assets and as on COD for the remaining assets.

¹⁷ In case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.

¹⁸ At the time of truing up rate of interest with relevant reset date (if any) to be furnished seperately.

¹⁹ At the time of truing up provide details of refinancing of loans considered earlier.

Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

Form No: F25

PuVVNL

Financing of Additional Capitalisation

Financial Year (Starting from COD)	Past years			True- Up		APR	ARR
	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20		FY 2020-21	FY 2021-22
	Trued-Up/Audited	Trued-Up/Audited	Audited	Audited	Claimed	Revised Estimates	Projected
Amount capitalised in Work/ Equipment	NA						
Financing Details							
Loan							
Total Loan							
Equity							
Internal Resources							
Others							
Total							

Note: For FY 2016-17 & FY 2017-18, True Up figures has been considered

Form No.: F26

PuVVNL

Domestic loans, bonds and financial leasing

Rs. Crores

Sl. No.	Particulars	Opening Balance at the beginning of the year				Amount received during the year	Principal repayment		Interest			Closing Balance	
		Principal not overdue	Principal overdue	Interest overdue	Total		Due	Paid	Due	Paid	%	Principal	Interest Overdue
	Financial Year*												
A	LONG-TERM												
1	LIC												
2	REC	1093.21				370.36	78.71	78.71	138.25	138.25		1384.86	
3	PFC	723.06				296.54	20.93	20.93	76.74	76.74		998.67	
4	Bonds												
5	Bank												
6	APDRP												
7	Any Other												
B	SHORT-TERM												
	Total	1,816.27	-	-	-	666.90	99.64	99.64	214.99	214.99	-	2,383.53	

*Note:- Loanwise information to be provided for Previous year, True- Up year, APR year & also for each year of the Control Period.

Form No: F27

PuVVNL

Consumer Price Inflation

Particulars	Past years						True- Up	APR		ARR
	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21		FY 2021-22
	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Claimed	Approved (in TO)	Revised Estimates	Projected
Annual Average CPI Index	236	251	265	276	284	300	322.50			
% increase (%)		6.29%	5.65%	4.12%	3.08%	5.45%	7.53%		5.35%	5.35%

Note

1. CPI Index shall be considered from the Website of Ministry of Labour Bureau, Government of India.

Month	Consumer Price Index						
	FY	FY	FY	FY	FY	FY	FY
	14	15	16	17	18	19	20
April	226	242	256	271	277	288	312
May	228	244	258	275	278	289	314
June	231	246	261	277	280	291	316
July	235	252	263	280	285	301	319
August	237	253	264	278	285	301	320
September	238	253	266	277	285	301	322
October	241	253	269	278	287	302	325
November	243	253	270	277	288	302	328
December	239	253	269	275	286	301	330
January	237	254	269	274	288	307	330
February	238	253	267	274	287	307	328
March	239	254	268	275	287	309	326
Average	236.0	250.8	265.0	275.9	284.4	299.9	322.5
		6.29%	5.65%	4.12%	3.08%	5.45%	7.53%

Form No: F28

PuVVNL

Wholesale Price Inflation

Particulars	Past years						True- Up	APR		ARR
	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21		FY 2021-22
	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Claimed	Approved (in TO)	Revised Estimates	Projected
Annual Average WPI Index	112.5	113.9	109.7	111.6	114.9	119.8	121.83			
% increase (%)		1.26%	-3.65%	1.73%	2.92%	4.28%	1.68%		2.96%	2.96%

Note

1. WPI Index shall be considered from the Website of Office of Economic Advisor of Government of India.

Month	Wholesale Price Index						
	FY	FY	FY	FY	FY	FY	FY
	14	15	16	17	18	19	20
April	108.6	114.1	110.2	109	113.2	117.3	121.1
May	108.6	114.8	111.4	110.4	112.9	118.3	121.6
June	110.1	115.2	111.8	111.7	112.7	119.1	121.5
July	111.2	116.7	111.1	111.8	113.9	119.9	121.3
August	112.9	117.2	110	111.2	114.8	120.1	121.5
September	114.3	116.4	109.9	111.4	114.9	120.9	121.3
October	114.6	115.6	110.1	111.5	115.6	122.0	122.2
November	114.3	114.1	109.9	111.9	116.4	121.6	122.3
December	113.4	112.1	109.4	111.7	115.7	119.7	123.0
January	113.6	110.8	108	112.6	116	119.2	122.9
February	113.6	109.6	107.1	113	116.1	119.5	122.2
March	114.3	109.9	107.7	113.2	116.3	119.9	121.1
Average	112.5	113.9	109.7	111.6	114.9	119.8	121.8
		1.26%	-3.65%	1.73%	2.92%	4.28%	1.68%

Form No.: F29

PuVVNL

O&M Expenses

Sr. No.	Particulars						Normative*	Normative*	Normative*	Normative*	MYT Control Period	
		FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
		(a)	(b)	(c)	(d)	(e)	(f) = [(a)+(b)+(c)+(d)+(e)]/5 (Average of Gross O&M expenses)	g= f*(1+escalation factor for FY 2017-18)	h= g*(1+escalation factor for FY 2018-19)	i= h*(1+escalation factor for FY 2019-20)	Normative\$ Claimed	Normative\$ Claimed
1	Employee Expenses										692.68	729.77
2	A&G Expenses										338.31	348.32
3	R & M Expenses										1,442.32	1,717.03
4	Gross O&M Expenses										2,473.31	2,795.12
5	Expenses Capitalised										460.33	460.33
6	Net O&M Expenses										2,012.98	2,334.78

Note: For FY 2019-20, Claim is as per MYT Regulation 2014

Sl.No	Particulars	True-up			APR	ARR
		FY 2019-20 (Audited)	FY 2019-20 (Normative)	Sharing	FY 2020-21	FY 2021-22
1	Repair & Maintenance Expenses	869.83	994.79	62.48	1442.32	1717.03
2	Employee Expenses	769.55	1823.66	527.06	692.68	729.77
3	Administrative and General	441.25	164.93	(138.16)	338.31	348.32
	Less :					
4	Expenses Capitalized	460.33	460.33		460.33	460.33
	Add:					
	Arrears				5.38	
5	Net O&M Expenses	1620.29	2523.05	451.38	2018.36	2334.78
	Arrears	3.05				

Sr. No.	Particulars	Audited					Normative*	Normative*	Normative*	Normative*	APR	ARR
		FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
		(a)	(b)	(c)	(d)	(e)	(f) = [(a)+(b)+(c)+(d)+(e)]/5 (Average of Gross O&M expenses)	g= f*(1+escalation factor for FY 2017-18)	h= g*(1+escalation factor for FY 2018-19)	i= h*(1+escalation factor for FY 2019-20)	Normative\$	Normative\$
1	Employee Expenses			522.44	592.87	648.53		587.95	618.52	657.49	692.68	729.77
2	A&G Expenses (including Interest and Finance Charges)			199.92	379.83	301.73		293.83	309.11	328.58	338.31	348.32

3.05%

5.20%

6.30%

Form No: F29A

PuVVNL

Employee Expenses

Particulars	Past years						True- Up			APR		ARR
	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
Gross Employee Expenses	461.23	458.26	533.00	806.35	592.87	648.53		769.55	769.55	737.94	692.68	729.77
Less:												
Employee Expenses Capitalised	218.62	167.78	379.96	194.37	265.97	360.19		460.33	460.33	360.19	460.33	460.33
Net Employee Expenses	242.61	290.48	153.04	611.98	326.90	288.34		309.21	309.21	377.75	232.35	269.44

Note: For FY 2019-20, Claim is as per MYT Regulation 2014

Particulars	FY 2019-20
	True-Up
Norms per 1000 consumers	0.218
Number of consumers	8349215
Employee Expenses (consumers)-(A)	1,820.13
Norms per substation	0.004
Number of substations	455274
Employee Expenses (substation)-(B)	1,821.10
Total Employee Expenses (A+B)	1,820.61

Form No: F29B

PuVVNL

Component wise Details of Employee Expenses

S.No.	Particulars	Past years						True- Up		APR	ARR
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20		FY 2020-21	FY 2021-22
		True-up/Audited	True-up/Audited	True-up/Audited	True-up/Audited	True-up/Audited	Audited	Approved	Audited	Revised Estimates	Projected
1	Salaries	196.85	179.39	180.28	211.67	296.82	431.22				
2	Additional Pay										
3	Dearness Allowance (DA)	151.40	173.47	181.13	194.10	129.82	46.33				
4	Other Allowances & Relief	15.80	14.43	15.15	16.47	18.39	23.40				
5	Addl. Pay & C.Off Encashment/ Compensation	0.39	0.49								
6	Interim Relief / Wage Revision										
7	Honorarium/Overtime										
8	Bonus/ Exgratia To Employees	2.90	1.05	1.84	1.56	3.48	2.58				
9	Medical Expenses Reimbursement	2.44	4.68	6.96	6.63	8.01	6.11				
10	Travelling Allowance(Conveyance Allowance)										
11	Leave Travel Assistance	0.00	0.04	0.01	15.58	50.94	60.48				
12	Earned Leave Encashment	24.96	21.86	50.71	1.15	0.93	0.67				
13	Payment Under Workman's Compensation And Gratuity	57.48	51.30	0.54	44.78	52.94	43.46				
14	Subsidised Electricity To Employees										
15	Any Other Item	0.56		66.80	18.62	19.20	17.99				
16	Staff Welfare Expenses	0.01	0.95	0.87							
17	Apprentice And Other Training Expenses										
18	Contribution To Terminal Benefits	0.49	9.89	11.34	11.88	12.34	16.30				
19	Provident Fund Contribution										
20	Provision for PF Fund	7.94		16.77							
21	Any Other Items	0.02	0.70	0.60							
	Total Employee Costs	461.23	458.26	533.00	522.44	592.87	648.53	1,823.66	769.55	692.68	729.77
22	Less: Employee expenses capitalised	218.62	167.78	379.96	194.37	265.97	360.19	360.19	460.33	460.33	460.33
	Net Employee expenses	242.61	290.48	153.04	328.07	326.90	288.34	1,463.47	309.21	232.35	269.44

Note: For the Past Year Audited cost have been filled

Form No: F29D

PuVVNL

Administration and General Expenses

Particulars	Past years Data						True- Up			APR		APR
	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2020-21
	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
Gross A&G Expenses	120.22	99.37	120.32	68.85	118.06	293.07	174.62	459.73	459.73	146.35	338.31	348.32
Less:												
A&G Expenses Capitalised	20.81	22.23										
Net A&G Expenses	99.41	77.14	120.32	68.85	118.06	293.07	174.62	459.73	459.73	146.35	338.31	348.32

Note: For FY 2019-20, Claim is as per MYT Regulation 2014

Particulars	FY 2019-20
	APR
Norms per 1000 consumers	0.0257
Number of Consumers	8349215
Administration & General Expenses (consumers)-(A)	214.57
Norms per Employees	0.0134
Number of Employees	8,603
Administration & General Expenses (substation)-(B)	115.28
Total Administration & General Expenses (A+B)	164.93

Additional O&M expenses

UPPCL O&M expenses

FY 2018-19

Particulars	DVVNL	MVVNL	PVVNL	PuVVNL	KESCO	Consolidated
Energy at DISCOM Periphery for Retail Sale	24,082.45	21,287.18	33,336.73	26,153.55	3,468.97	108,328.88
UPPCL O&M expenses (Rs Crore)	64.62	57.12	89.46	70.18	9.31	290.69

FY 2019-20

Particulars	DVVNL	MVVNL	PVVNL	PuVVNL	KESCO	Consolidated
Energy Requirement at State periphery for	25,704.91	23,480.74	35,319.56	27,245.91	3,708.77	115,459.88
UPPCL O&M expenses (Rs Crore)	67.95	62.07	93.37	72.03	9.80	305.22

FY 2020-21

Particulars	DVVNL	MVVNL	PVVNL	PuVVNL	KESCO	Consolidated
Energy at DISCOM Periphery for Retail Sale	24,044.00	22,616.87	32,399.30	26,884.09	3,365.03	109,309.29
UPPCL O&M expenses (Rs Crore)	70.50	66.31	94.99	78.82	9.87	320.49

FY 2021-22

Particulars	DVVNL	MVVNL	PVVNL	PuVVNL	KESCO	Consolidated
Energy at DISCOM Periphery for Retail Sale	24,044.00	22,616.87	32,399.30	26,884.09	3,365.03	109,309.29
UPPCL O&M expenses (Rs Crore)	74.02	69.63	99.74	82.76	10.36	336.51

FY 2018-19 0.93

FY 2019-20 17.55

FY 2020-21 18.48

FY 2020-21		FY 2021-22	
Period	Smart Meter No.	Period	Smart Meter No.
Opening April 20	2.88	Opening April 21	6.85
Closing March 21	6.85	Closing March 22	11.47
Average No.	4.87	Average No.	9.16
O&M Cost	59.21	O&M Cost	111.48

Form No: F29E

PuVVNL

Componentwise Details of Administration & General Expenses

S.No.	Particulars	Past years						True-Up			APR		ARR
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
		True-up/Audited	True-up/Audited	True-up/Audited	True-up/Audited	True-up/Audited	True-up/Audited	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
1	Lease/ Rent	1.08	1.08	1.18	1.39	1.80	2.20						
2	Insurance	0.37	0.31	0.52	0.61	0.55	1.21						
3	Telephone, Postage, Telegram & Telex Charges	1.80	2.14	2.46	2.36	2.66	2.96						
4	Consultancy Charges	0.11	9.91	0.16	0.09	0.24	13.29						
5	Technical Fees		0.09	0.33	0.19	1.09	2.98						
6	Conveyance And Travelling	3.12	3.85	4.10	3.84	5.58	9.11						
7	License and Registration Fees	1.94	2.71	3.09	3.52	7.96	11.00						
8	Vehicle Expenses						1.87						
9	Printing And Stationery	4.22	3.96	5.01	5.43	3.72	3.69						
10	Advertisement Expenses	1.79		2.17		3.10	4.14						
11	Electricity Charges To Offices	30.59	26.24	57.92	106.47	245.33	95.00						
12	Water Charges												
13	Entertainment Charges												
14	Miscellaneous Expenses	59.03	32.27	27.86	24.59	42.93	55.04						
15	Legal Charges	1.67	1.95	1.73	2.76	1.83	7.36						
16	Auditor's Fee	0.28	0.23	0.77	1.03	1.90							
17	Freight On Capital Equipments												
18	Purchase Related Advertisement Expenses		2.18		2.85								
19	Vehicle Running Expenses Truck / Delivery Van												
20	Vehicle Hiring Expenses Truck / Delivery Van												
21	Other Freight												
22	Transit Insurance												
23	Octroi (Expenditure on Trust)	0.78	0.05	0.05	0.07	0.06	0.57						
24	Incidental Stores Expenses (Expes. Incurred on revenue realization)	13.03	11.77	11.95	26.33	25.29	75.61						
25	Fabrication Charges (Compensation other than staff)	0.40	0.63	1.03	0.99	3.54	7.02						
26	Interest and Finance charges such as Credit Rating charges, collection facilitation charges, financing cost of Delayed Payment Surcharge and other finance charges												
27	Total A&G Expenses	120.22	99.37	120.32	182.51	347.57	293.07	174.62	459.73	459.73	146.35	338.31	348.32
28	Less: A&G Expenses Capitalised	20.81	22.23										
29	Total A&G Expenses	99.41	77.14	120.32	182.51	347.57	293.07	174.62	459.73	459.73	146.35	338.31	348.32

Interest and Finance Charges

17.41

32.26

8.66

Form No: F30

Name of Distribution Licensee

Calculation of Depreciation Rate

Fixed Assets and Depreciation For FY 2019-20

(Rs. Crore)

Particulars	FY 2019-20 (True-up)											
	Opening GFA as per Accounts	Opening GFA as approved by UPERC (Closing of FY 2018-19)	Cumulative Depreciation up to 31.3.2019	Opening Written down GFA (as on 1.4.2019)	Addition to GFA	Deduction to GFA	Deduction of Grants	Closing Written down GFA (as on 31.3.2020)	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
Land	1.04	0.72		0.72	0.00	0.00		0.72	0.72	0.72	0.00%	-
Buildings	188.36	129.64	48.08	81.56	17.73	0.00	99.29	147.36	90.43	3.34%	3.02	
Plant & Machinery	7,475.36	5,144.90	1,907.95	3,236.95	3770.93	780.02	2469.24	3,758.63	5,666.57	3,497.79	5.28%	184.68
Lines & Cables	5,075.18	3,492.98	1,295.34	2,197.64	2588.57	68.63	217.26	4,500.31	5,795.65	3,348.97	5.28%	176.83
Office Equipments	8.99	6.19	2.30	3.89	53.37	0.01	57.26	59.55	30.58	6.33%	1.94	
Furniture & Fixtures	1.95	1.34	0.50	0.85	0.45	0.00	1.29	1.79	1.07	6.33%	0.07	
Vehicles	1.57	1.08	0.40	0.68		0.00	0.68	1.08	0.68	6.33%	0.04	
Capital Expenditure on Assets not belonging to utility		0.00	0.00	-								
TOTAL	12,752.45	8,776.85	3,254.56	5,522.29	6,431.04	848.66	2,686.53	8,418.17	11,672.73	6,970.23	5.26%	366.58

Particulars	FY 2019-20
Gross Allowable Depreciation	366.58
Less: Amortisation of assets acquired	123.41
Net Allowable Depreciation	243.17

* The particular of asset and rate of depreciation should match with those provided in the applicable Tariff Regulations

Form No: F30

Name of Distribution Licensee

Calculation of Depreciation Rate

Fixed Assets and Depreciation For past year, True Up year, APR year and for each Year of MYT Control Period

(Rs. Crore)

FY 2020-21 (APR)											
Sr. No	Particulars	Opening Written down GFA (as on 1.4.2021)	Gross Depreciation during 2020-21	Balance Depreciable Value as on 1.4.2020 (Opening GFA)	Addition to GFA	Average % of Deductions of Last 3 true-Ups	Deduction to GFA	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
1	Land & Land Rights	0.72	0.00	0.72				0.72	0.72	0.00%	0.00
2	Buildings	99.29	3.02	96.27				96.27	96.27	3.34%	3.22
3	Plant & Machinery	3758.63	184.68	3573.94				3573.94	3573.94	5.28%	188.70
4	Lines, Cables, Network etc.	4500.31	176.83	4323.48				4323.48	4323.48	5.28%	228.28
5	Vehicles	57.26	1.94	55.32				55.32	55.32	6.33%	3.50
6	Furniture & Fixtures	1.29	0.07	1.22				1.22	1.22	6.33%	0.08
7	Office Equipments	0.68	0.04	0.64				0.64	0.64	6.33%	0.04
8	Total Fixed Assets	8418.17	366.58	8051.59				8051.59	8051.59		423.82
9	Non depreciable assets (Land & Land Rights)	0.72		0.72				0.72	0.72		
10	Depreciable assets	8417.45	366.58	8050.88				8050.88	8,050.88	5.26%	423.82

GROSS ALLOWABLE DEPRECIATION FOR ASSETS AS ON 01.04.2020 OF PuVVNL FOR FY 2020-21 (RS. CRORE)

For assets from 1.4.2020 onwards (Part B)											
Depreciation											
S.No.	Particulars	Closing Written down GFA (as on 31.3.2020)	Gross Depreciation during 2019-20	Balance Depreciable Value (as on 1.4.2020) for FY 2020-21	Addition to GFA	Deduction to GFA	Deduction of Grants	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
1	Land & Land Rights	0	0	0	0	0	0	0	0	0.00%	0
2	Buildings	0	0	0	34.67	0	2.05	32.62	16.31	3.34%	0.54
3	Plant & Machinery	0	0	0	1,287.20	0	76.28	1,210.92	605.46	5.28%	31.97
4	Lines, Cables, Network etc.	0	0	0	1,557.15	0	92.27	1,464.88	732.44	5.28%	38.67
5	Vehicles	0	0	0	19.93	0	1.18	18.74	9.37	6.33%	0.59
6	Furniture & Fixtures	0	0	0	0.44	0	0.03	0.41	0.21	6.33%	0.01
7	Office Equipments	0	0	0	0.23	0	0.01	0.22	0.11	6.33%	0.01
8	Total Fixed Assets	0	0	0	2,899.62	0	171.83	2,727.79	1,363.90		71.80
9	Non depreciable assets (Land & Land Rights)	0	0	0	0	0	0	0	0	0	0
10	Depreciable assets	0	0	0	2,899.62	0.00	171.83	2,727.79	1,363.90	5.26%	71.80

FY 2021-22 (ARR) (Gross Block before 1.4.2020)											
Sr. No	Particulars	Closing Written down GFA (as on 31.3.2021)	Gross Depreciation during 2020-21	Balance Depreciable Value as on 1.4.2020 (Opening GFA)	Addition to GFA	Average % of Deductions of Last 3 true-Ups	Deduction to GFA	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
1	Land & Land Rights	0.72	0.00	0.72				0.72	0.72	0.00%	0.00
2	Buildings	96.27	3.22	93.05				93.05	93.05	3.34%	3.11
3	Plant & Machinery	3573.94	188.70	3,385.24				3,385.24	3,385.24	5.28%	178.74
4	Lines, Cables, Network etc.	4323.48	228.28	4,095.20				4,095.20	4,095.20	5.28%	216.23
5	Vehicles	55.32	3.50	51.82				51.82	51.82	6.33%	3.28
6	Furniture & Fixtures	1.22	0.08	1.15				1.15	1.15	6.33%	0.07
7	Office Equipments	0.64	0.04	0.60				0.60	0.60	6.33%	0.04
8	Total Fixed Assets	8051.59	423.82	7,627.77				7,627.77	7,839.68		401.47
9	Non depreciable assets (Land & Land Rights)	0.72	0	0.72				0.72	0.72	0	
10	Depreciable assets	8050.88	423.82	7,627.06				7,627.06	7,838.97	5.12%	401.47

GROSS ALLOWABLE DEPRECIATION FOR ASSETS AS ON 01.04.2020 OF PuVVNL FOR FY 2021-22 (RS. CRORE)

For assets from 1.4.2020 onwards (Part B)		Depreciation									
S.No.	Particulars	Closing Written down GFA (as on 31.3.2021)	Gross Depreciation during 2019-20	Opening GFA net of Grant as on 1.4.2021	Addition to GFA	Deduction to GFA	Deduction of Grants	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
1	Land & Land Rights	0	0	0		0	-	-	0	0.00%	0
2	Buildings	0	0	32.62	39.41	0	26.51	45.52	39.07	3.34%	1.30
3	Plant & Machinery	0	0	1,210.92	1,433.72	0	964.27	1,680.37	1,445.65	5.28%	76.33
4	Lines, Cables, Network etc.	0	0	1,464.88	1,734.41	0	1,166.50	2,032.78	1,748.83	5.28%	92.34
5	Vehicles	0	0	18.74	21.95	0	14.76	25.93	22.34	6.33%	1.41
6	Furniture & Fixtures	0	0	0.41	0.49	0	0.33	0.57	0.49	6.33%	0.03
7	Office Equipments	0	0	0.22	0.25	0	0.17	0.30	0.26	6.33%	0.02
8	Total Fixed Assets	0	0	2,727.79	3,230.23	0	2,172.54	3,785.48	3,256.64		171.43
9	Non depreciable assets (Land & La	0	0	0	0	0	0	0	0	0	0
10	Depreciable assets	0	0	2,727.79	3,230.23	0.00	2,172.54	3,785.48	3,256.64	5.26%	171.43

Particulars	FY 2020-21 (Revised Estimate)	FY 2021-22 (Projected)
Gross Allowable Depreciation	495.62	572.90
Less: Amortisation of assets acquired out of the Consumer Contribution	112.27	112.27
Net Allowable Depreciation	383.35	460.63

Form No. F30A

PuVVNL

Statement of Depreciation

Particulars	FY 2018-19	True- Up			APR		ARR
	Trued- Up	FY 2019-20			FY 2020-21		FY 2021-22
		Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
Capital Cost	8,702.21	8,965.81	-	10,524.50		13,263.25	15,991.05
Less: Value of Non Depreciable Asset	0			0			-
Value of Depreciable Asset	8,702.21	8,965.81		10,524.50	-	13,263.25	15,991.05
Less: Residual Value (10%)	870.22	896.58		1,052.45	-	1,326.33	1,599.10
Depeciable Value	7,831.99	8,069.23		9,472.05	-	11,936.93	14,391.94
Depreciation recovered upto Previous Year	3,070.61			3,318.76		3,561.93	3,945.27
Remaining Depreciable Value	4,761.38	8,069.23		6,153.29	-	8,375.00	10,446.67
Depreciation recoverd/ to be recoverd during the year (upto maximum of remaining depreciable value)	248.15	234.32		243.17		383.35	460.63
Balance Depreciable Value	4,513.23	7,834.91		5,910.12	-	7,991.66	9,986.04

PuVVNL Investment Funding

PuVVNL

Rs Crore

Capital Investment Particulars	Derivation	FY 2019-20 True Up	FY 2020-21 APR	FY 2021-22 ARR
Opening WIP as on 1st Apr	A	5617.89	2285.66	3320.89
Investment	B	2413.12	3249.16	3040.44
Employee Expenses Capitalisation	C	460.33	460.33	460.33
A&G Expenses Capitalisation	D	0.00	0.00	0.00
Interest Capitalisation on Interest on long term loans	E	225.36	225.36	225.36
Total Investments	F=(A+B+C+D+E)	8716.70	6220.51	7047.02
Transferred to GFA (Total Capitalisation)	G	6431.04	2899.62	3230.23
Closing WIP	H=F-G	2285.66	3320.89	3816.80

Rs Crore

Consumer Contribution Particulars	FY 2019-20 True Up	FY 2020-21 Revised	FY 2021-22 ARR
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	4,032.97	4,820.82	7,070.45
Addition during the year	911.29	2,361.91	2,542.71
Less: Amortisation	123.45	112.27	112.27
Closing Balance	4,820.82	7,070.45	9,500.89

Rs Crore

Financing of Capital Investment Particulars	FY 2019-20 True Up	FY 2020-21 Revised	FY 2021-22 ARR
Investment	2,413.12	3,249.16	3040.44
Less: consumer contribution and capital asset subsidy	911.29	2,361.91	2542.71
Total	1,501.82	887.25	497.73
Investment funded by debt and equity			
Debt Funded (70%)	1,051.28	621.07	348.41
Equity Funded (30%)	450.55	266.17	149.32

Form F: 31

PuVVNL

Interest on Normative Loan

A. Normative Loan

Sr. No.	Source of Loan		True-Up		APR	ARR
			FY 2019-20		FY (2020-21)	FY 2021-22
			Approved in Tariff Order	Claimed	Revised Estimate	Projected
1	Opening Balance of Normative Loan		5386.06	5596.53	6,404.64	6,642.37
2	Less: Reduction of Normative Loan due to retirement or replacement of assets				-	
3	Addition of Normative Loan due to capitalisation during the year		695.15	1,051.28	621.07	348.41
4	Repayment of Normative loan during the year		393.10	243.17	383.35	460.63
5	Closing Balance of Normative Loan		5,688.11	6,404.64	6,642.37	6,530.15
6	Average Balance of Normative Loan		5,537.09	6,000.59	6,523.51	6,586.26
7	Weighted average Rate of Interest on actual Loans (%)		11.30%	10.24%	10.24%	10.24%
8	Interest on Long-Term Loan		527.94	614.35	667.88	674.31
9	Interest on Security Deposit from Consumers and Distribution system Users					
10	Total Interest Expenses		527.94	614.35	667.88	674.31

B. Existing Actual Long-term Loans

Sr. No.	Source of Loan	Legend	Audited (April to March)-FY2019-20	FY 2020-21		FY 2021-22	
				APR	ARR	APR	ARR
1	PuVVNL- PFC						
4.1	Opening Balance of Loan	A4	723.06				
4.2	Addition of Loan during the year	B4	296.54				
4.3	Loan Repayment during the year	C4	20.93				
4.4	Closing Balance of Loan	$D4=A4+B4-C4$	998.67				
4.5	Average Loan Balance	$E4=(A4+D4)/2$	860.87				
4.6	Applicable Rate of Interest as on 1st April of the Financial Year	F4	8.91%				
4.7	Interest Amount Paid in Rs. Crore	G4	76.74				
2	PuVVNL- REC						
2.1	Opening Balance of Loan	A3	1093.21				
2.2	Addition of Loan during the year	B3	370.36				
2.3	Loan Repayment during the year	C3	78.71				
2.4	Closing Balance of Loan	$D3=A3+B3-C3$	1,384.86				
2.5	Average Loan Balance	$E3=(A3+D3)/2$	1,239.04				
2.6	Applicable Rate of Interest as on 1st April of the Financial Year	F3	11.16%				
2.7	Interest Amount Paid in Rs. Crore	G3	138.25				
	UPPCL- PFC						
	Opening Balance of Loan	A2					
	Addition of Loan during the year	B2					
	Loan Repayment during the year	C2					
	Closing Balance of Loan	$D2=A2+B2-C2$					
	Average Loan Balance	$E2=(A2+D2)/2$					
	Applicable Rate of Interest as on 1st April of the Financial Year	F2					
	Interest Amount Paid in Rs. Crore	G2					
	UPPCL- REC						
	Opening Balance of Loan	A1					
	Addition of Loan during the year	B1					
	Loan Repayment during the year	C1					
	Closing Balance of Loan	$D1=A1+B1-C1$					
	Average Loan Balance	$E1=(A1+D1)/2$					
	Applicable Rate of Interest as on 1st April of the Financial Year	F1					
	Interest Amount Paid in Rs. Crore	G1					
	...						
	...						
10	Total						
10.1	Opening Balance of Loan = A1+A2+....	A	1,816.27				
10.2	Addition of Loan during the year = B1+B2+....	B	666.90				
10.3	Loan Repayment during the year = C1+C2+....	C	99.64				
10.4	Closing Balance of Loan	$D=A+B-C$	2,383.53				
10.5	Average Loan Balance	$E=(A+D)/2$	2099.90				
10.6	Total Interest Amount Paid in Rs. Crore (for all the sources) = G1+G2+....	G	214.99				
10.7	Effective Wt. Avg. Rate of Interest	$H=G/E * 100$	10.24%	10.24%	10.24%	10.24%	
10.8	Effective Wt. Avg. Rate of Interest	$H=\sum(A_n*F_n)/\sum A_n*100$	10.24%	10.24%	10.24%	10.24%	
9	Gross Interest Expenses		614.35	667.88	674.31		
10	Less: Expenses Capitalised		225.36	225.36	225.36		
11	Net Interest Expenses		388.98	442.52	448.95		

Form No: F32

PuVVNL

Statement of Equity

S.No.	Particulars	Past years						True-Up			APR		ARR
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
1	Equity (Opening Balance)					2,057.28	2,353.44	2,660.62		2,438.91	2,875.91	3,515.13	4,333.47
2	Net additions during the year					296.15	85.47	447.22		1,076.22	245.71	818.34	317.31
3	Equity (Closing Balance)					2,353.43	2,438.91	3,107.84		3,515.13	3,121.61	4,333.47	4,650.78
4	Average Equity					2,205.36	2,396.18	2,884.23		2,977.02		3,924.30	4,492.12
5	Rate of Return on Equity					16.00%	16.00%	16.00%		16.00%	15.00%	15.00%	15.00%
6	Return on Equity					352.86	383.39	461.48		476.32	449.81	588.65	673.82

Form No.: F32A

PuVVNL

Equity Capital

S.No.	Particulars	Past years						True-UP			APR		ARR
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
	Shareholders' Funds												
1	Share Capital	3,086.12	3,939.74	6,216.20	11,540.40	13,622	2438.91	3107.83		3,515.13		4,333.47	4,650.78
2	Reserves and Surplus*	(13,839.34)	(15,184.09)	(7,247.45)	(9,627.22)	(10,144.12)							
	Total Equity	(10,753.22)	(11,244.35)	(1,031.25)	1,913.18	3,477.75	2438.91	3,107.83		3,515.13		4,333.47	4,650.78

* To the extent utilised for Capital Expenditure

Form No.: F33

PuVVNL

Working Capital Requirements

S.No	Particulars	Past years Data						True- Up			APR		ARR
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
1	O&M expenses for 1 month	56.06	59.24	54.26	74.90	84.53	174.18	209.14		174.18	1,037.99	179.70	210.75
2	One and half month equivalent or expected revenue from charges for use of Distribution system at the prevailing Tariff (excluding Electricity Duty)	829.22	1040.09	1271.33	1534.41	1660.46	1,839.49	2366.87		2,488.42	1,698.56	1,958.84	2230.42
3	Maintenance spares @ 40% of the of the R&M expenses for two months	14.04	4.48	68.07	65.80	37.96	51.56	55.31		57.99	36.01	96.15	114.47
4	Less: Security deposits from consumers, if any	432.89	284.52	296.99	320.49	367.91	404.16	453.13		429.86	487.72	487.72	487.72
	Total Working Capital	466.43	819.29	1,096.67	1,354.62	1,415.04	1,661.07	2,178.19		2,290.72	1,333.34	1,746.98	2,067.92
	Interest Rate (%)	12.50%	12.50%	12.50%	12.50%	13.75%	13.75%	13.80%		13.80%	10.65%	10.65%	9.50%
	Interest on Working Capital	58.30	102.41	137.08	169.33	194.57	228.40	300.59		316.12	142.00	186.05	196.45

Note:

1. From FY 2013-14 to FY 2019-20 receivable are equal to 2 months of expected revenue as per MYT Regulation 2014

2. For FY 2013-14 & FY 2014-15, One-twelfth of the sum of the book value of materials in stores at the end of each month of such financial year component is their as per Distribution Regulation 2006 instead of Maintenance spares @ 40% of the opening GFA for the year

Form No: F34

PuVVNL

Details of Non-tariff Income

S.No	Particulars	Past years Data						True- Up			APR		ARR	
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22	
		Trued-Up/Audited	Trued-Up/Audited	Trued-Up/Audited	Trued-Up/Audited	Trued-Up/Audited	Trued-Up/Audited	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected	
1	Income from rent of land or buildings;							18.93						
2	Income from sale of scrap;													
3	Income from investments;					10.25	3.00							
4	Interest income on advances to suppliers/contractors;													
5	Interest income on loans / advances to employees;					0.00			14.86	14.86				
6	Income from rental from staff quarters;					0.12	0.08		0.12	0.12				
7	Income from rental from contractors;					7.85	9.24		2.81	2.81				
8	Income from hire charges from contactors and others;													
9	Income from delayed payment surcharge, supervision charges, etc.;					308.00	294.06		264.74	264.74				
10	Supervision charges for capital works;													
11	Income from recovery against theft and/or pilferage of electricity;													
12	Income from advertisements;													
13	Income from sale of tender documents;													
14	Excess found on physical verification;					0.060	0.006		0.01	0.01				
15	Prior Period Income;													
16	Miscellaneous receipts; and					0.64	0.82		2.34	2.34				
17	Any other Non-Tariff Income:													
	Less: Cost of borrowing DPS									152.23				
	Less: Cross-subsidy surcharge						0.57		0.57	0.57	0.57	0.57	0.57	
	Total	22.12	27.78	22.75	230.85	326.93	306.63	18.93	284.88	284.31	12.57	12.57	12.57	

Form No: F36

PuVVNL

Details of Expenses Capitalised

S.No	Particulars	Past years Data						True- Up			APR		ARR
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
1	Interest Expenses Capitalised	12.9	25.02	42.71	57.93	84.57	170.95	97.97	225.36	225.36	50.08	225.36	225.36
2	Other expenses capitalised:												
	a. Employee expenses	218.62	167.78	379.96	194.37	265.97	360.19	265.97	460.33	460.33	360.19	460.33	460.33
	b. R&M Expenses												
	c. A&G Expenses	20.81	22.23										
	d. Depreciation												
	e. Others, if any (Please Specify)												
	Total of 2	239.43	190.01	379.96	194.37	265.97	360.19	265.97	460.33	460.33	360.19	460.33	460.33
	Grand Total	252.33	215.03	422.67	252.30	350.54	531.14	363.94	685.70	685.70	410.27	685.70	685.70

Form No: F37

PuVVNL

Income Tax Provisions

S.No.	Particulars	Past years						True-Up			APR		ARR
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Claimed	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
A	Income of FY												
	Less:												
	Income exempt from taxation												
	Credits for carry forward of losses												
	Income from Incentives												
	Net Taxable Income												
	Tax Rate												
	Tax Amount												
	Deposit by Challan1												
	Deposit by Challan2												
	Sub-total												
B	Return on Equity												
	Tax Rate												
	Tax Amount												
	Tax Recoverable from Consumers (Lower of A or B)												

NIL

Form No: F38

PuVVNL

Consumer Security Deposit

S.No.	Category	Past years Data						True-Up			APR		ARR
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21		FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
A	LMV-1 CONSUMERS												
1	Sub-Category 1												
2	Sub-Category 2												
3	Sub-Category 3												
	TOTAL	0	0	0	0	0	0	0		0		0	
B	LMV-2												
1	Sub-Category 1												
2	Sub-Category 2												
3	Sub-Category 3												
	Total	0	0	0	0	0	0	0		0		0	
C	LMV-3												
												
												
	Total	432.89	284.52	296.99	320.49	367.91	404.16	453.13		429.86	487.72	487.72	487.72
	RBI Interest rate as on 1st April										4.65%	4.65%	4.65%
	Interst on consumer security deposit	34.74	-95.39	24.18	23.98	22.38	22.07	33.38	24.25	24.25	21.66	21.66	22.68
	*All categories/subcategories/ToD Slabs etc will be strictly as per Rate schedule.												

Form: F39

PuVVNL

Statement of Receivables

S.No	Particulars	True- Up			APR		ARR
		FY 2019-20			FY 2020-21		FY 2021-22
		Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Trued- Up
A	Receivable from customers as at the beginning of the year		2673.78	2,673.78		3,357.34	3,682.90
B	Revenue billed for the year	14201.20		11,641.41		12,345.94	14,518.59
C	Collection for the year						
i	Against current dues						
ii	Against arrears upto previous year						
	Total	14,201.20		10,957.84		12,020.39	13,932.68
D	Gross receivable from customers as at the end of the year			3,357.34		3,682.90	4,268.80

Form: F40

PuVVNL

Allocation of Wheeling & Retail Supply and Cross Subsidy Surcharge

Particulars	Allocation %		Allocation (FY 2021-22)		
	Wheeling	Supply	Wheeling	Supply	Total
Power Purchase Expenses (incl PGCIL charges)	0%	100%	-	15,279.81	15,279.81
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	0%	100%	-	-	-
Transmission Charges - Intra state (incl SLDC Charges)	0%	100%	-	683.19	683.19
Gross O&M Expenses		100%			
Gross Employee cost	60%	40%	161.66	107.77	269.44
Gross A&G expenses	40%	60%	217.03	325.54	542.56
Gross R&M expenses	90%	10%	1,545.33	171.70	1,717.03
Smart Metering OPEX	0%	100%	-	-	-
Gross Interest & Finance charges	90%	10%	601.27	66.81	668.08
Depreciation	90%	10%	414.57	46.06	460.63
Gross Expenditure		100%	2,939.85	16,680.89	19,620.74
Expense capitalization		100%			
Employee cost capitalized	60%	40%	-	-	-
Interest capitalized	90%	10%	-	-	-
A&G expenses capitalized	40%	60%	-	-	-
Net Expenditure		100%	2,939.85	16,680.89	19,620.74
Provision for Bad & Doubtful debts	0%	100%	-	356.87	356.87
Provision for Contingency Reserve	0%	100%	-	-	-
Total net expenditure with provisions		100%	2,939.85	17,037.75	19,977.60
Add: Return on Equity	90%	10%	606.44	67.38	673.82
Less: Non-Tariff Income	0%	100%	-	13.14	13.14
Aggregate Revenue Requirement (ARR)			3,546.29	17,091.99	20,638.28

(Rs. Crore)	
Particulars	FY 2021-22 (ARR Claimed)
Power Purchase Expenses (incl PGCIL charges)	15,279.81
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	-
Transmission Charges	683.19
Gross O&M Expenses	
Employee Expenses net of Capitalisation	269.44
A&G Expense (net of Capitalisation)	542.56
R&M expenses	1,717.03
Smart Metering OPEX	-
Interest & Finance charges net of Capitalisation	668.08
Depreciation	460.63
Gross Expenditure	19,620.74
Expense capitalization	
Employee cost capitalized	-
Interest capitalized	-
A&G expenses capitalized	-
Net Expenditure	19,620.74
Provision for Bad & Doubtful debts	356.87
Provision for Contingency Reserve	0
Total net expenditure with provisions	19,977.60
Add: Return on Equity	673.82
Less: Non Tariff Income including Open Access income	13.14
Annual Revenue Requirement (ARR)	20,638.28

Form: F40A

PuVVNL

Cross Subsidy Surcharge

Wheeling Charges For FY _____			
S. No	Particulars	Units	FY _____ (ARR Claimed)
1	Wheeling ARR	Rs. Crores	
2	Retail sales (PVVNL, DVVNL, MVVNL, PuVVNL, KESCO)	MU	
3	Average Wheeling charge	Rs./kWh	

Note:-As cross-subsidy surcharge are computed on consolidated ARR of State Discoms, the same is submitted in the Consolidated Sheet

Voltage-Wise Wheeling Charges For FY _____				
S. No.	Particulars	Units	% of Avg. wheeling charge	FY _____ (ARR Claimed)
1	Connected at 11 kV			
i	Long Term	Rs./kWh		
ii	Medium Term	Rs./kWh		
iii	Short Term	Rs./kWh		
2	Connected above 11 kV			
i	Long Term	Rs./kWh		
ii	Medium Term	Rs./kWh		
iii	Short Term	Rs./kWh		

Cross Subsidy Surcharge For FY _____																		
S. No.	Categories	Revenue (Rs. Crore)	Sales (MU)	Average Billing Rate (T)* (Rs./kWh)	Wt. Avg. Pur. Cost (C)** (Rs./kWh)	Aggregate of Trasn., Dist. & Wh. Charges applicable to the relevant voltage level (Rs./kWh)				System Loss (% to the relevant voltage level)					Carrying Cost of Regulatory Assets (Rs./kWh) (R)	S=T-[C/(1-L/100)+D+R]	S*** (Rs./kWh)	
						Transmission Charge		Distribution Charge	Wheeling Charge	Aggregate of Trans., Dist. & Wh. Charges applicable to the relevant voltage	Inter-State Trns. Loss	Intra-State Trns. Loss	Distribution Loss	Commercial Loss				Agreerate of Trns, Dist & Comm. Losses (L)
						Inter-State Trns. Loss	Intra-State Trns. Loss											
1	HV-1 (Supply at 11 kV)																	
2	HV-1 (Supply above 11 kV)																	
3	HV-2 (Supply upto 11 kV)																	
4	HV-2 (Supply above 11 kV & upto 66 kV)																	
5	HV-2 (Supply above 66 kV & above 132 kV)																	
6	HV-3 (Supply below 132 kV)																	
7	HV-3 (Supply at & above 132 kV)																	
8	HV-4 (Supply at 11 kV)																	
9	HV-4 (Supply above 11 kV upto 66kV)																	
10	HV-4 (Supply above 66 kV upto 132 kV)																	

*Including reflecting the Renewable Purchase Obligation.
 **Including meeting the Renewable Purchase Obligation.
 ***CSS shall not exceed 20% of the Tariff Applicable to the category of the consumer seeking Open Access.

Note: The above all the tables should be provided for each year of the Control Period.

True-Up Snapshot

(True-Up)	Unit	Approved in Tariff Order	Actual as per Audited Accounts	Claimed	% Change of (C) as compared to (A)	Remarks	Trued-Up of Previous Year (FY 2018-19)	% Change of (C) as compared to (E)	Remarks
		(A)	(B)	(C)	D=(C-A)/A		(E)	F=(C-E)/E	
		True-Up (FY 2019-20)					Trued-Up of Last Year		
Purchases Required & Billed Energy	MU	25794.89	26651.59	24188.23	-6%	Due to reduced Sales	27016.33	-10%	Due to Variation in Distribution losses
Sales	MU	22647.91	21237.26	21237.26	-6%	Due to reduced growth rate	20758.35	2%	Due to growth in
Power Purchase Expenses (including sharing on account of distribution loss)	Rs. Crore	12359.22	12919.19	11840.63	-4%	Due to increase in Fixed charges, Energy Charges and Interstate charges	10719.62	10%	Due to increase in Sales, Fixed charges, Energy Charges and Interstate charges
Add: Sharing of Gains (Power Purchase)	Rs. Crore	0.00	0.00	1603.49	#DIV/0!		0.00	#DIV/0!	
Transmission Expenses	Rs. Crore	476.75	804.03	804.03	69%	Minimal Change from Proposed	482.51	67%	Due to increase in energy handled and charges
Gross O&M Expenses	Rs. Crore	2509.62	1638.77	29336.06	1069%		1280.33	2191%	
Employee expenses	Rs. Crore	1505.33	309.21	309.21	-79%	Actual has variation than Proposed	592.87	-48%	
A&G expenses	Rs. Crore	174.62	459.73	459.73	163%	Actual has variation than Proposed	118.06	289%	
R&M expenses	Rs. Crore	829.67	869.83	869.83	5%	Actual has variation than Proposed	569.40	53%	
UPPCL O&M expense	Rs. Crore	0.00	0.00	27245.91	#DIV/0!		0.00	#DIV/0!	
Additional O&M Expenses w.r.t Smart Metering	Rs. Crore	0.00	0.00		#DIV/0!		0.00	#DIV/0!	
Add: Sharing of Gains	Rs. Crore	0.00	0.00	451.38	#DIV/0!		0.00	#DIV/0!	
Add: Contribution to contingency reserve on account of better Performance	Rs. Crore	0.00	0.00	0.00	#DIV/0!		0.00	#DIV/0!	
Gross Interest on Long Term Loans	Rs. Crore	527.94	648.99	388.98	-26%	Reduced due to variation of Investment in actual	510.39	-24%	Due to variation of Investment in actual
Interest on Bonds	Rs. Crore								
Interest on security deposit	Rs. Crore	33.38	24.25	24.25	-27%		22.38	8%	
Bank Charges*	Rs. Crore	32.26	8.40	8.40	-74%	Actual has variation than Proposed	32.26	-74%	based on actual
Interest on Working Capital	Rs. Crore	300.59	849.85	316.12	5%	based on variation input parameters	194.57	62%	based on variation input parameters
Add: Contribution to contingency reserve on account of better Performance	Rs. Crore								
Depreciation	Rs. Crore	393.10	549.41	243.17	-38%	Due to variation in Grant	261.95	-7%	Due to variation in Grant
Other Misc Expenses	Rs. Crore	-			#VALUE!		-	#VALUE!	
Prior Period Expenses	Rs. Crore	-			#VALUE!		-	#VALUE!	
Interest on GPF	Rs. Crore	-			#VALUE!		-	#VALUE!	
Provision for Bad and Doubtful Debts	Rs. Crore	261.71	165.44	164.61	-37%	Based on Audited Accounts	187.92	-12%	Based on Audited Accounts
Gross Expenditure	Rs. Crore	16894.57	17608.33	44729.74	165%		13691.93	227%	
Less: Employee expenses capitalised	Rs. Crore				#DIV/0!		265.97	-100%	
Less: A&G expenses capitalised	Rs. Crore				#DIV/0!		-	#VALUE!	
Less: Interest expenses capitalised	Rs. Crore				#DIV/0!		84.57	-100%	
Total Capitalisation	Rs. Crore	0.00	0.00	0.00	#DIV/0!		350.54	-100%	
Net Expenditure	Rs. Crore	16894.57	17608.33	44729.74	165%		13341.39	235%	
Add: Return on Equity	Rs. Crore	461.48	0.00	476.32	3%	Based on variation of Equity	352.86	35%	Based on variation of Equity
Less: Cross subsidy surcharge (STOA)	Rs. Crore	-	-	0.57	#DIV/0!		-	#DIV/0!	
Less: Non-Tariff Income	Rs. Crore	#REF!	284.88	284.31	#REF!	Variation due to DPS	326.93	-13%	Variation due to DPS
Aggregate Revenue Requirement	Rs. Crore	#REF!	17323.44	44921.18	#REF!		13367.30	236%	
Less: Revenue from Tariff	Rs. Crore	13,057.69	11,641.41	11,641.41	-11%	Due to reduced Sales	9,962.73	17%	Due to reduced Sales
GoUP Subsidy	Rs. Crore	2,958.41	3,289.09	3,289.09	11%		1,680.79	96%	
Less: Additional Subsidy to be provided by GoUP	Rs. Crore	-	-	-	#DIV/0!		1,545.35	-100%	
Net Gap/(Surplus)	Rs. Crore	#REF!	2392.92	29990.68	#REF!		178.43	16708%	
Investments	Rs. Crore				#DIV/0!		2512.19	-100%	
Transferred to GFA (total capitalisation)	Rs. Crore				#DIV/0!		2037.68	-100%	
Distribution Loss	%	12.20%	20.32%	12.20%	0%		23.16%	-47%	

Note: Licensees are required to provide the above format Discom wise and consolidated both.

It is noted that as per the MYT Regulations, 2019 there is no provision for sharing of gains.

* However, as per the MYT 2019 Regulations, the same will be part of A&G.

Movement in Capex details:

Particulars	Unit	Approved in Tariff Order	Actual as per Audited Accounts	Claimed	% Change of (C) as compared to (A)	Remarks	Trued-Up of Previous Year	% Change of (C) as compared to (E)	Remarks
		(A)	(B)	(C)	D=(C-A)/A		(E)	F=(C-E)/E	
		True-Up (FY 2018-19)					Trued-Up		
Opening GFA	Rs. Crore	9777.81							
Add: Additions	Rs. Crore	1824.36							
Less: Deductions	Rs. Crore	-							
Closing GFA	Rs. Crore	11602.17							

Note: Licensees are required to provide the above format Discom wise and consolidated both.

Details of O&M components:

Particulars	Trued-Up of Previous Year (FY 2017-18)		Approved in Tariff Order (FY 2018-19)		True-Up Claimed	
	Rs. Cr	%	Rs. Cr	%	Rs. Cr	%
Net O&M Expenses	1014.36	100%	2361.69			
a) Net Employee costs	326.90	32.23%	1543.54			
b) Net A&G expenses	118.06	11.64%	177.88			
c) Net R&M expenses	569.40	56.13%	640.27			

Note: Licensees are required to provide the above format Discom wise and conso

Already Submitted in Format F20

Already Submitted in Format F29

Energy Balance Information as shown below :

Particulars	Formulae	Approved in Tariff Order (FY 2018-19)	True-Up Claimed	% Change of True-Up Claim wrt to approved in Tariff Order	
Retail Sales (Audited) (MU)	(A)	22647.91	Already Submitted in Format F29		
Distribution Losses (%)	(B)	12.20%			
Energy at Discom Periphery for Retail Sales (Audited) (MU)	(C=A/(1-B))	25794.89			
Energy from State Generating Stations (MU)	D				
Energy from Central Generating Stations (MU)	E				
Intra-State Transmission Loss (%)	F				
Energy Available after intra-state losses (MU)	(G= (D+H)/(1-F))	0.00			
Energy Available after inter-state losses (MU)	H			#DIV/0!	
Interstate Transmission Loss (%)	(J=(E-H)/E)	#DIV/0!		#DIV/0!	#DIV/0!
ABR (Excluding Subsidy) (Rs. /kWhr)(Rs. /kWhr)	(Rs. /kWh)				#DIV/0!
ABR (including Subsidy) (Rs. /kWhr)	(Rs. /kWh)			#DIV/0!	
ACOS (Rs. /kWhr)	(Rs. /kWh)			#DIV/0!	

Note: Licensees are required to provide the above format Discom wise and consolidated both.

CWIP & GFA Details											
Parameters	Trued-Up (Previous Year) (FY 2017-18)			True-Up Claimed (FY 2018-19)							
	Approved in Tariff Order	Audited Accounts	Approved in True-Up	Approved in Tariff Order	Audited Accounts	True-Up Claimed					
Opening WIP as on 1st April	Already Submitted in Format F29										
Investments											
Employee Expense Capitalisation											
A&G Expense Capitalisation											
Interest Capitalisation											
Transferred to GFA (total capitalisation)											
Closing WIP as on 31st March											
Opening GFA as on 1st April											
Additions											
Deductions											
Closing GFA as on 31st March											
Gross allowable Depreciation											
Net allowable Depreciation									261.95	234.32	

Note: Licensees are required to provide the above format Discom wise and consolidated both.

Form No: F42

PuVVNL

APR Snapshot

(APR)	Unit	Approved in Tariff Order	APR Claimed	% Change of (B) as compared to (A)	Remarks	Trued-Up of Claimed Year (FY 2019- 20)	% Change of (B) as compared to (D)	Remarks
		(A)	(B)	(D)		E=(B-D)/D		
		APR (FY 2020-21)		C=(B-A)/A		Trued-Up (FY 2019-20)		
Purchases Required & Billed Energy	MU	27330.53	26584.16	-3%		24188.23	10%	
Sales	MU	22647.91	21480.00	-5%		21237.26	1%	
Power Purchase Expenses (including sharing on account of distribution loss)	Rs. Crore	12,359.22	12968.38	5%		11840.63	10%	
Add: Sharing of Gains (Power Purchase)	Rs. Crore	0.00	0.00	#DIV/0!		1603.49	-100%	
Transmission Expenses	Rs. Crore	476.75	632.70	33%		804.03	-21%	
Net O&M Expenses	Rs. Crore	2775.59	2156.39	-22%		29336.06	-93%	
Net Employee expenses	Rs. Crore	1771.3	237.74	-87%		309.21	-23%	
Net A&G expenses	Rs. Crore	174.62	476.34	173%		459.73	4%	
Net R&M expenses	Rs. Crore	829.67	1442.32	74%		869.83	66%	
UPPCL O&M expense	Rs. Crore	0	0.00	#DIV/0!		27245.91	-100%	
Additional O&M Expenses w.r.t Smart Metering	Rs. Crore	0	0.00	#DIV/0!		0.00	#DIV/0!	
Add: Sharing of Gains	Rs. Crore	0	0.00	#DIV/0!		451.38	-100%	
Add: Contribution to contingency reserve on account of better Performance	Rs. Crore	0	0.00	#DIV/0!		0.00	#DIV/0!	
Gross Interest on Long Term Loans	Rs. Crore	625.91	442.52	-29%		388.98	14%	
Interest on Bonds	Rs. Crore	0		#DIV/0!		0.00	#DIV/0!	
Interest on security deposit	Rs. Crore	33.38	21.66	-35%		24.25	-11%	
Bank Charges*	Rs. Crore	32.26	0.00	-100%		8.40	-100%	
Interest on Working Capital	Rs. Crore	300.59	186.05	-38%		316.12	-41%	
Add: Contribution to contingency reserve on account of better Performance	Rs. Crore	0.00		#DIV/0!		0.00	#DIV/0!	
Depreciation	Rs. Crore	393.10	383.35	-2%		243.17	58%	
Other Misc Expenses	Rs. Crore	0		#DIV/0!		0.00	#DIV/0!	
Prior Period Expenses	Rs. Crore	0		#DIV/0!		0.00	#DIV/0!	
Interest on GPF	Rs. Crore	0		#DIV/0!		0.00	#DIV/0!	
Provision for Bad and Doubtful Debts	Rs. Crore	261.71	313.41	20%		164.61	90%	
Gross Expenditure	Rs. Crore	17258.51	17104.47	-1%		44729.74	-62%	
Less: Employee expenses capitalised	Rs. Crore	265.97		-100%		0.00	#DIV/0!	
Less: A&G expenses capitalised	Rs. Crore	0		#DIV/0!		0.00	#DIV/0!	
Less: Interest expenses capitalised	Rs. Crore	97.97		-100%		0.00	#DIV/0!	
Total Capitalisation	Rs. Crore	363.94	0.00	-100%		0.00	#DIV/0!	
Net Expenditure	Rs. Crore	16894.57	17104.47	1%		44729.74	-62%	
Add: Return on Equity	Rs. Crore	461.48	588.65	28%		476.32	24%	
Less: Cross subsidy surcharge (CTSA)	Rs. Crore	0	0.57	#DIV/0!		0.57	0%	
Less: Non-Tariff Income	Rs. Crore	18.93	12.57	-34%		284.31	-96%	
Aggregate Revenue Requirement	Rs. Crore	17337.12	17679.97	2%		44921.16	-61%	
Less: Revenue from Tariff excluding DPS (With Triff Revision Impact)	Rs. Crore	14201.2	12345.94	-13%		11641.41	6%	
GoUP Subsidy	Rs. Crore	2958.41	3324.80	12%		3289.09	1%	
Less: Additional Subsidy to be provided by GoUP	Rs. Crore	0	0.00	#DIV/0!		0.00	#DIV/0!	
Net Gap/(Surplus)	Rs. Crore	177.49	2009.23	1032%		29990.66	-93%	
Investments	Rs. Crore	1336.2		-100%		0.00	#DIV/0!	
Transferred to GFA (total capitalisation)	Rs. Crore	1639.69		-100%		0.00	#DIV/0!	
Distribution Loss	%	12.20%	19.20%	57%		0.12	57%	

Note: Licensees are required to provide the above format Discom wise and consolidated both.

It is noted that as per the MYT Regulations, 2019 there is no provision for sharing of gains.

* However, as per the MYT 2019 Regulations, the same will be part of A&G.

Movement in Capex details:

Particulars	Unit	Approved in Tariff Order	APR Claimed	% Change of (B) as compared to (A)	Remarks	Trued-Up of Previous Year	% Change of (B) as compared to (D)	Remarks
		(A)	(B)	C=(B-A)/A		(D)	E=(B-D)/D	
		APR				Trued-Up		
Opening GFA	Rs. Crore	Already Submitted in Format F20						
Add: Additions	Rs. Crore							
Less: Deductions	Rs. Crore							
Closing GFA	Rs. Crore							

Note: Licensees are required to provide the above format Discom wise and consolidated both.

Details of O&M components:

Particulars	Trued-Up of Previous Year		Approved in Tariff Order		APR Claimed	
	Rs. Cr	%	Rs. Cr	%	Rs. Cr	%
Net O&M Expenses	Already Submitted in Format F29					
a) Net Employee costs						
b) Net A&G expenses						
c) Net R&M expenses						

Note: Licensees are required to provide the above format Discom wise and consolidated both.

Energy Balance Information as shown below :

Particulars	Formulae	Approved in Tariff Order	APR Claimed	% Change of APR Claimed wrt to approved in Tariff Order
Retail Sales (Audited) (MU)	(A)	Already Submitted in Format S4		
Distribution Losses (%)	(B)			
Energy at Discom Periphery for Retail Sales (Audited) (MU)	(C=A/(1-B))			
Energy from State Generating Stations (MU)	D			
Energy from Central Generating Stations (MU)	E			
Intra-State Transmission Loss (%)	F			
Energy Available after intra-state losses (MU)	(G= (D+H)/(1-F))			
Energy Available after inter-state losses (MU)	H			
Interstate Transmission Loss (%)	(J=(E-H)/E)			
ABR (Excluding Subsidy) (Rs. /kWhr)(Rs. /kWhr)	(Rs. /kWh)			
ABR (including Subsidy) (Rs. /kWhr)	(Rs. /kWh)			
ACOS (Rs. /kWhr)	(Rs. /kWh)			

Note: Licensees are required to provide the above format Discom wise and consolidated both.

CWIP & GFA Details		
Parameters	APR	
	Approved in Tariff Order	APR Claimed
Opening WIP as on 1st April	Already Submitted in additional Format "iNVESTMENT FUNDING"	
Investments		
Employee Expense Capitalisation		
A&G Expense Capitalisation		
Interest Capitalisation		
Transferred to GFA (total capitalisation)		
Closing WIP as on 31st March		
Opening GFA as on 1st April		
Additions		
Deductions		
Closing GFA as on 31st March		
Gross allowable Depreciation		
Net allowable Depreciation		

Note: Licensees are required to provide the above format Discom wise and consolidated both.

(ARR)	Unit	ARR Claimed (FY 2021-22)	ARR of FY 2020-21	% Change of (B) as compared to (D)	Remarks
		(A)	(B)	G=(B-A)/A	
Purchases Required & Billed Energy	MU	28705.56	26584.16	-7%	
Sales	MU	23538.56	21480.00	-9%	
Power Purchase Expenses (including sharing on account of	Rs. Crore	15279.81	12968.38	-15%	
Add: Sharing of Gains		0.00			
Transmission Expenses	Rs. Crore	683.19	632.70	-7%	
Net Gross O&M Expenses	Rs. Crore	2529.03	2156.39	-15%	
Net Employee expenses	Rs. Crore	269.44	237.74	-12%	
Net A&G expenses	Rs. Crore	542.56	476.34	-12%	
Net R&M expenses	Rs. Crore	1717.03	1442.32	-16%	
UPPCL O&M expense	Rs. Crore	0.00	0.00	#DIV/0!	
Additional O&M Expenses w.r.t Smart Metering	Rs. Crore	0.00	0.00		
Add: Sharing of Gains	Rs. Crore	0.00			
Add: Contribution to contingency reserve on account of better	Rs. Crore	0.00			
Gross Interest on Long Term Loans	Rs. Crore	448.95	442.52	-1%	
Interest on Bonds	Rs. Crore				
Interest on security deposit	Rs. Crore	22.68	21.66	-4%	
Bank Charges*	Rs. Crore	0.00	0.00	#DIV/0!	
Interest on Working Capital	Rs. Crore	196.45	186.05	-5%	
Add: Contribution to contingency reserve on account of better	Rs. Crore				
Depreciation	Rs. Crore	460.63	383.35	-17%	
Other Misc Expenses	Rs. Crore				
Prior Period Expenses	Rs. Crore				
Interest on GPF	Rs. Crore				
Provision for Bad and Doubtful	Rs. Crore	356.87	313.41	-12%	
Gross Expenditure	Rs. Crore	19977.60	17104.47	-14%	
Less: Employee expenses capitalised	Rs. Crore				
Less: A&G expenses capitalised	Rs. Crore				
Less: Interest expenses capitalised	Rs. Crore				
Total Capitalisation	Rs. Crore	0.00			
Net Expenditure	Rs. Crore	19977.60	17104.47	-14%	
Add: Return on Equity	Rs. Crore	673.82	588.65	-13%	
Less: Cross subsidy surcharge (STOA)	Rs. Crore	0.57	0.57		
Less: Non-Tariff Income	Rs. Crore	12.57	12.57	0%	
Aggregate Revenue Requirement	Rs. Crore	20638.28	17679.97	-14%	
Less: Revenue from Tariff excluding GoUP Subsidy	Rs. Crore	14518.59	12,345.94	-15%	
Less: Additional Subsidy to be provided by GoUP	Rs. Crore	3324.80	3,324.80	0%	
Less: Additional Subsidy to be provided by GoUP	Rs. Crore	0.00	-		
Net Gap/(Surplus)	Rs. Crore	2,795	2,009	-28%	
Investments	Rs. Crore		0.00		
Transferred to GFA (total)	Rs. Crore		0.00		
Distribution Loss	%	18.00%	19.20%	7%	

Note: Licensees are required to provide the above format Discom wise and consolidated both.

It is noted that as per the MYT Regulations, 2019 there is no provision for sharing of gains.

* However, as per the MYT 2019 Regulations, the same will be part of A&G.

Movement in Capex details:

Particulars	Unit	Trued-Up of Previous Year	ARR Claimed	% Change of (B) as compared to (A)	Remarks
		(A)	(B)	C=(B-A)/A	
		Trued-Up	ARR		
Opening GFA	Rs. Crore	Already Submitted in Format F20			
Add: Additions	Rs. Crore				
Less: Deductions	Rs. Crore				
Closing GFA	Rs. Crore				
Note: 1. Licensees are required to provide the above format Discom wise and consolidated both.					
2. Columns for rest of the years for Control Period shall be replicated.					

Details of O&M components:

Particulars	Trued-Up of Previous Year		ARR Claimed	
	Rs. Cr	%	Rs. Cr	%
Net O&M Expenses	Already Submitted in Format F29			
a) Net Employee costs				
b) Net A&G expenses				
c) Net R&M expenses				
Note: 1. Licensees are required to provide the above format Discom wise and consolidated both.				
2. Columns for rest of the years for Control Period shall be replicated.				

Energy Balance Information as shown below :

Particulars	Formulae	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25					
		Projected	Projected	Projected	Projected	Projected					
Retail Sales (Audited) (MU)	(A)	Already Submitted in Format S4									
Distribution Losses (%)	(B)										
Energy at Discom Periphery for Retail Sales (Audited) (MU)	(C=A/(1-B))										
Energy from State Generating Stations (MU)	D										
Energy from Central Generating Stations (MU)	E										
Intra-State Transmission Loss (%)	F										
Energy Available after intra-state losses (MU)	(G=(D+H)/(1-F))										
Energy Available after inter-state losses (MU)	H										
Interstate Transmission Loss (%)	(I=(E-H)/E)										
ABR (Excluding Subsidy) (Rs. /kWh)	(Rs. /kWh)										
ABR (including Subsidy) (Rs. /kWh)	(Rs. /kWh)										
ACOS (Rs. /kWh)	(Rs. /kWh)										
Note: Licensees are required to provide the above format Discom wise and consolidated both.											

CWIP & GFA Details					
Parameters	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
	Projected	Projected	Projected	Projected	Projected
Opening WIP as on 1st April	Already Submitted in additional Format "INVESTMENT FUNDING"				
Investments					
Employee Expense Capitalisation					
A&G Expense Capitalisation					
Interest Capitalisation					
Transferred to GFA (total capitalisation)					
Closing WIP as on 31st March					
Opening GFA as on 1st April					
Additions					
Deductions					
Closing GFA as on 31st March					
Gross allowable Depreciation					
Net allowable Depreciation					
Note: Licensees are required to provide the above format Discom wise and consolidated both.					

Consumer Sub-Category	Existing Tariff						Proposed Tariff						Variation	
	Unit	Fixed Charges	Unit	Minimum Charges	Unit	Energy Charges	Unit	Fixed Charges	Unit	Minimum Charges	Unit	Energy Charges	Fixed Charges	Energy Charges
LMV-1: Domestic Light, Fan & Power														
Life Line Consumers (both Rural and Urban)														
(up to 100 kWh/month)	Rs./kW/month	50.00			Rs/kWh	3.00	Rs./kW/month	50			Rs/kWh	3	0.00	0.00
Dom: Rural Schedule (unmetered)	Rs./kW/month	500.00			Rs/kWh	0.00	Rs./kW/month	500.00			Rs/kWh	0.00	0.00	0.00
Dom: Rural Schedule (metered) other than BPL														
0-100 kWh/month	Rs./kW/month	90.00			Rs/kWh	3.35	Rs./kW/month	90.00			Rs/kWh	3.35	0.00	0.00
101-150 kWh/month	Rs./kW/month	90.00			Rs/kWh	3.85	Rs./kW/month	90.00			Rs/kWh	3.85	0.00	0.00
151-300 kWh/month	Rs./kW/month	90.00			Rs/kWh	5.00	Rs./kW/month	90.00			Rs/kWh	5.00	0.00	0.00
301-500 kWh/month	Rs./kW/month	90.00			Rs/kWh	5.50	Rs./kW/month	90.00			Rs/kWh	5.50	0.00	0.00
Above 500 kWh/Month (starting from 501 unit)	Rs./kW/month	90.00			Rs/kWh	6.00	Rs./kW/month	90.00			Rs/kWh	6.00	0.00	0.00
Dom: Supply at Single Point for Bulk Load	Rs./kW/month	110.00			Rs/kWh	7.00	Rs./kW/month	110.00			Rs/kWh	7.00	0.00	0.00
Other Metered Domestic Consumers other than BPL														
0-150 kWh/month	Rs./kW/month	110.00			Rs/kWh	5.50	Rs./kW/month	110.00			Rs/kWh	5.50	0.00	0.00
151-300 kWh/month	Rs./kW/month	110.00			Rs/kWh	6.00	Rs./kW/month	110.00			Rs/kWh	6.00	0.00	0.00
301-500 kWh/month	Rs./kW/month	110.00	Apr to Sept	600.00	Rs/kWh	6.50	Rs./kW/month	110.00	Apr to Sept	600.00	Rs/kWh	6.50	0.00	0.00
Above 500 kWh/Month (starting from 501 unit)	Rs./kW/month	110.00	Oct to Mar	475.00	Rs/kWh	7.00	Rs./kW/month	110.00	Oct to Mar	475.00	Rs/kWh	7.00	0.00	0.00
Sub Total														
LMV-2: Non Domestic Light, Fan & Power														
Non Dom: Rural Schedule (unmetered)	Rs./kW/month	1000.00			Rs/kWh	0.00	Rs./kW/month	1000.00			Rs/kWh	0.00	0.00	0.00
Non Dom: Rural Schedule (metered)	Rs./kW/month	110.00			Rs/kWh	5.50	Rs./kW/month	110.00			Rs/kWh	5.50	0.00	0.00
Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign	Rs./kW/month	1800.00			Rs/kWh	18.00	Rs./kW/month	1800.00			Rs/kWh	18.00	0.00	0.00
Non Dom: Other Metered Non-Domestic Supply														
Load upto 2kW														
Upto 300 kWh / month	Load upto 2kW	Rs./kW/month	330.00		Rs/kWh	7.50	Rs./kW/month	330.00			Rs/kWh	7.50	0.00	0.00
301 – 1000 kWh / month	Load upto 2kW	Rs./kW/month	330.00		Rs/kWh	8.40	Rs./kW/month	330.00			Rs/kWh	8.40	0.00	0.00
Above 1000 kWh/Month	Load upto 2kW	Rs./kW/month	330.00		Rs/kWh	8.75	Rs./kW/month	330.00			Rs/kWh	8.75	0.00	0.00
Above 2kW to 4 kW														
Upto 300 kWh / month	Above 2kW to 4 kW	Rs./kW/month	390.00		Rs/kWh	7.50	Rs./kW/month	390.00			Rs/kWh	7.50	0.00	0.00
301 – 1000 kWh / month	Above 2kW to 4 kW	Rs./kW/month	390.00		Rs/kWh	8.40	Rs./kW/month	390.00			Rs/kWh	8.40	0.00	0.00
Above 1000 kWh/Month	Above 2kW to 4 kW	Rs./kW/month	390.00		Rs/kWh	8.75	Rs./kW/month	390.00			Rs/kWh	8.75	0.00	0.00
Above 4 kW														
Upto 300 kWh / month	Above 4 kW	Rs./kW/month	450.00		Rs/kWh	7.50	Rs./kW/month	450.00			Rs/kWh	7.50	0.00	0.00
301 – 1000 kWh / month	Above 4 kW	Rs./kW/month	450.00		Rs/kWh	8.40	Rs./kW/month	450.00			Rs/kWh	8.40	0.00	0.00
Above 1000 kWh/Month	Above 4 kW	Rs./kW/month	450.00		Rs/kWh	8.75	Rs./kW/month	450.00			Rs/kWh	8.75	0.00	0.00
Sub Total														
LMV-3: Public Lamps														
Unmetered														
Unmetered - Gram Panchayat	Rs./kW/month	2100.00			Rs/kWh	0.00	Rs./kW/month	2100.00			Rs/kWh	0.00	0.00	0.00
Unmetered - Nagar Palika & Nagar Panchayat	Rs./kW/month	3200.00			Rs/kWh	0.00	Rs./kW/month	3200.00			Rs/kWh	0.00	0.00	0.00
Unmetered - Nagar Nigam	Rs./kW/month	4200.00			Rs/kWh	0.00	Rs./kW/month	4200.00			Rs/kWh	0.00	0.00	0.00
Metered														
Metered - Gram Panchayat														
TOD : 18:00 - 06:00	0% Rs./kW/month	200.00			Rs/kWh	7.50	Rs./kW/month	200.00			Rs/kWh	7.50	0.00	0.00
TOD : 06:00 - 18:00	20% Rs./kW/month	200.00			Rs/kWh	9.00	Rs./kW/month	200.00			Rs/kWh	9.00	0.00	0.00
Metered - Nagar Palika & Nagar Panchayat														
TOD : 18:00 - 06:00	0% Rs./kW/month	250.00			Rs/kWh	8.00	Rs./kW/month	250.00			Rs/kWh	8.00	0.00	0.00
TOD : 06:00 - 18:00	20% Rs./kW/month	250.00			Rs/kWh	9.60	Rs./kW/month	250.00			Rs/kWh	9.60	0.00	0.00
Metered - Nagar Nigam														
TOD : 18:00 - 06:00	0% Rs./kW/month	250.00			Rs/kWh	8.50	Rs./kW/month	250.00			Rs/kWh	8.50	0.00	0.00
TOD : 06:00 - 18:00	20% Rs./kW/month	250.00			Rs/kWh	10.20	Rs./kW/month	250.00			Rs/kWh	10.20	0.00	0.00
Sub Total														
LMV-4: Light, fan & Power for Institutions														
Inst: Public														
Inst: Public : 0 – 1000 kWh / month	Rs./kW/month	300.00			Rs/kWh	8.25	Rs./kW/month	300.00			Rs/kWh	8.25	0.00	0.00
Inst: Public : 1001 – 2000 kWh / month	Rs./kW/month	300.00			Rs/kWh	8.50	Rs./kW/month	300.00			Rs/kWh	8.50	0.00	0.00
Inst: Public : Above 2000 kWh / month	Rs./kW/month	300.00			Rs/kWh	8.75	Rs./kW/month	300.00			Rs/kWh	8.75	0.00	0.00
Inst: Private														
Load upto 3 kW														
Inst: Private : 0 – 1000 kWh / month	Load upto 3 kW	Rs./kW/month	350.00		Rs/kWh	9.00	Rs./kW/month	350.00			Rs/kWh	9.00	0.00	0.00
Inst: Private : Above 1000 kWh / month	Load upto 3 kW	Rs./kW/month	350.00		Rs/kWh	9.30	Rs./kW/month	350.00			Rs/kWh	9.30	0.00	0.00
Above 3 kW														
Inst: Private : 0 – 1000 kWh / month	Above 3 kW	Rs./kW/month	400.00		Rs/kWh	9.00	Rs./kW/month	400.00			Rs/kWh	9.00	0.00	0.00
Inst: Private : Above 1000 kWh / month	Above 3 kW	Rs./kW/month	400.00		Rs/kWh	9.30	Rs./kW/month	400.00			Rs/kWh	9.30	0.00	0.00
Sub Total														
LMV-5: Private Tube Wells/ Pumping Sets														
Unmetered														
PTW: Rural Schedule (unmetered)	Rs./BHP/month	170.00			Rs/kWh	0.00	Rs./BHP/month	170.00			Rs/kWh	0.00	0.00	0.00
Metered														
PTW: Rural Schedule (metered)	Rs./BHP/month	70.00	Rs/BHP/month	160.00	Rs/kWh	2.00	Rs./BHP/month	70.00	Rs/BHP/month	160.00	Rs/kWh	2.00	0.00	0.00
PTW: Urban Schedule (metered)	Rs./BHP/month	130.00	Rs/BHP/month	215.00	Rs/kWh	6.00	Rs./BHP/month	130.00	Rs/BHP/month	215.00	Rs/kWh	6.00	0.00	0.00
Sub Total														
LMV 6: Small and Medium Power upto 100 HP (75 kW)														
Other than power loom: Rural schedule	-7.5%													
Up to 1000 kWh / month	Rs./kW/month	290.00			Rs/kWh	6.75	Rs./kW/month	290.00			Rs/kWh	6.75	0.00	0.00
Up to 2000 kWh / month	Rs./kW/month	290.00			Rs/kWh	6.85	Rs./kW/month	290.00			Rs/kWh	6.85	0.00	0.00

For above 2000 kWh / month		Rs./kW/month	290.00		Rs/kWh	7.31	Rs./kW/month	290.00		Rs/kWh	7.31	0.00	0.00
Other than power loom: Urban schedule													
Up to 1000 kWh / month		Rs./kW/month	290.00		Rs/kWh	7.30	Rs./kW/month	290.00		Rs/kWh	7.30	0.00	0.00
Up to 2000 kWh / month		Rs./kW/month	290.00		Rs/kWh	7.40	Rs./kW/month	290.00		Rs/kWh	7.40	0.00	0.00
For above 2000 kWh / month		Rs./kW/month	290.00		Rs/kWh	7.90	Rs./kW/month	290.00		Rs/kWh	7.90	0.00	0.00
Other than power loom: Urban schedule													
Summer Months (April to September)													
Other Urban : 0 – 1000 kWh / month													
05:00 hrs to 11:00 hrs	-15%	Rs./kW/month	290.00		Rs/kWh	6.21	Rs./kW/month	290.00		Rs/kWh	6.21	0.00	0.00
11:00 hrs to 17:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.30	Rs./kW/month	290.00		Rs/kWh	7.30	0.00	0.00
17:00 hrs to 23:00 hrs	15%	Rs./kW/month	290.00		Rs/kWh	8.40	Rs./kW/month	290.00		Rs/kWh	8.40	0.00	0.00
23:00 hrs to 05:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.30	Rs./kW/month	290.00		Rs/kWh	7.30	0.00	0.00
Other Urban: 1001 – 2000 kWh / month													
05:00 hrs to 11:00 hrs	-15%	Rs./kW/month	290.00		Rs/kWh	6.29	Rs./kW/month	290.00		Rs/kWh	6.29	0.00	0.00
11:00 hrs to 17:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.40	Rs./kW/month	290.00		Rs/kWh	7.40	0.00	0.00
17:00 hrs to 23:00 hrs	15%	Rs./kW/month	290.00		Rs/kWh	8.51	Rs./kW/month	290.00		Rs/kWh	8.51	0.00	0.00
23:00 hrs to 05:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.40	Rs./kW/month	290.00		Rs/kWh	7.40	0.00	0.00
Other Urban : Above 2000 kWh / month													
05:00 hrs to 11:00 hrs	-15%	Rs./kW/month	290.00		Rs/kWh	6.72	Rs./kW/month	290.00		Rs/kWh	6.72	0.00	0.00
11:00 hrs to 17:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.90	Rs./kW/month	290.00		Rs/kWh	7.90	0.00	0.00
17:00 hrs to 23:00 hrs	15%	Rs./kW/month	290.00		Rs/kWh	9.09	Rs./kW/month	290.00		Rs/kWh	9.09	0.00	0.00
23:00 hrs to 05:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.90	Rs./kW/month	290.00		Rs/kWh	7.90	0.00	0.00
Winter Months (October to March)													
Other Urban : 0 – 1000 kWh / month													
05:00 hrs to 11:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.30	Rs./kW/month	290.00		Rs/kWh	7.30	0.00	0.00
11:00 hrs to 17:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.30	Rs./kW/month	290.00		Rs/kWh	7.30	0.00	0.00
17:00 hrs to 23:00 hrs	15%	Rs./kW/month	290.00		Rs/kWh	8.40	Rs./kW/month	290.00		Rs/kWh	8.40	0.00	0.00
23:00 hrs to 05:00 hrs	-15%	Rs./kW/month	290.00		Rs/kWh	6.21	Rs./kW/month	290.00		Rs/kWh	6.21	0.00	0.00
Other Urban: 1001 – 2000 kWh / month													
05:00 hrs to 11:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.40	Rs./kW/month	290.00		Rs/kWh	7.40	0.00	0.00
11:00 hrs to 17:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.40	Rs./kW/month	290.00		Rs/kWh	7.40	0.00	0.00
17:00 hrs to 23:00 hrs	15%	Rs./kW/month	290.00		Rs/kWh	8.51	Rs./kW/month	290.00		Rs/kWh	8.51	0.00	0.00
23:00 hrs to 05:00 hrs	-15%	Rs./kW/month	290.00		Rs/kWh	6.29	Rs./kW/month	290.00		Rs/kWh	6.29	0.00	0.00
Other Urban : Above 2000 kWh / month													
05:00 hrs to 11:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.90	Rs./kW/month	290.00		Rs/kWh	7.90	0.00	0.00
11:00 hrs to 17:00 hrs	0%	Rs./kW/month	290.00		Rs/kWh	7.90	Rs./kW/month	290.00		Rs/kWh	7.90	0.00	0.00
17:00 hrs to 23:00 hrs	15%	Rs./kW/month	290.00		Rs/kWh	9.09	Rs./kW/month	290.00		Rs/kWh	9.09	0.00	0.00
23:00 hrs to 05:00 hrs	-15%	Rs./kW/month	290.00		Rs/kWh	6.72	Rs./kW/month	290.00		Rs/kWh	6.72	0.00	0.00
Sub Total													
LMV-7: Public Water Works													
Rural Schedule	-7.5%												
Rural Schedule: Jal Nigam		Rs./kW/month	375.00		Rs/kWh	7.96	Rs./kW/month	375.00		Rs/kWh	7.96	0.00	0.00
Rural Schedule: Jal Sansthan		Rs./kW/month	375.00		Rs/kWh	7.96	Rs./kW/month	375.00		Rs/kWh	7.96	0.00	0.00
Rural Schedule: Other PWWs		Rs./kW/month	375.00		Rs/kWh	7.96	Rs./kW/month	375.00		Rs/kWh	7.96	0.00	0.00
Urban Schedule													
Urban Schedule: Jal Nigam		Rs./kW/month	375.00		Rs/kWh	8.60	Rs./kW/month	375.00		Rs/kWh	8.60	0.00	0.00
Urban Schedule: Jal Sansthan		Rs./kW/month	375.00		Rs/kWh	8.60	Rs./kW/month	375.00		Rs/kWh	8.60	0.00	0.00
Urban Schedule: Other PWWs		Rs./kW/month	375.00		Rs/kWh	8.60	Rs./kW/month	375.00		Rs/kWh	8.60	0.00	0.00
Sub Total													
LMV-8: State Tube Wells & Pump Canals upto 100 HP													
Metered													
Metered STW		Rs/BHP/month	330.00		Rs/kWh	8.50	Rs/BHP/month	330.00		Rs/kWh	8.50	0.00	0.00
Unmetered													
Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP		Rs/BHP/month	3300.00		Rs/kWh	0.00	Rs/BHP/month	3300.00		Rs/kWh	0.00	0.00	0.00
Unmetered: Laghu Dal Nahar above 100 BHP		Rs/BHP/month	3300.00		Rs/kWh	0.00	Rs/BHP/month	3300.00		Rs/kWh	0.00	0.00	0.00
Sub Total													
LMV-9: Temporary Supply													
Metered													
Metered TS: Individual residential consumers		Rs./kW/month	200.00		Rs/kWh	8.00	Rs./kW/month	200.00		Rs/kWh	8.00	0.00	0.00
Metered TS: Others		Rs./kW/month	300.00	Rs/kWh/week	450.00	Rs/kWh	9.00	Rs./kW/month	300.00	Rs/kWh/week	450.00	Rs/kWh	9.00
Unmetered													
Unmetered TS: Ceremonies		Rs/day	4750.00		Rs/kWh	0.00	Rs/day	4750.00		Rs/kWh	0.00	0.00	0.00
Unmetered TS: Temp shops		Rs/day	560.00		Rs/kWh	0.00	Rs/day	560.00		Rs/kWh	0.00	0.00	0.00
Sub Total													
LMV-10: Departmental Employees													
LMV-10: Departmental Employees		Rs./kW/month	110.00		Rs/kWh	6.25	Rs./kW/month	110.00		Rs/kWh	6.25	0.00	0.00
LMV-11: Electrical Vehicles													
Multi Story Buildings													
LMV-1b		Rs./kW/month	0.00		Rs/kWh	6.20	Rs./kW/month	0.00		Rs/kWh	6.20	0.00	0.00
HV-1b		Rs./kW/month	0.00		Rs/kWh	5.90	Rs./kW/month	0.00		Rs/kWh	5.90	0.00	0.00
Public Charging Station													
LT		Rs./kW/month	0.00		Rs/kWh	7.70	Rs./kW/month	0.00		Rs/kWh	7.70	0.00	0.00
HT		Rs./kW/month	0.00		Rs/kWh	7.30	Rs./kW/month	0.00		Rs/kWh	7.30	0.00	0.00
Sub Total													
HV-1: Non-Industrial Bulk Loads													
Commercial Loads / Private Institutions/Non-domestic bulk power consumer													
Supply at 11 kV													
Supply at 11 kV: 0 to 2500 kVAh/month		Rs./kVA/month	430.00		Rs/kVAh	8.32	Rs./kVA/month	430.00		Rs/kVAh	8.32	0.00	0.00
Supply at 11 kV: Above 2500 kVAh/month		Rs./kVA/month	430.00		Rs/kVAh	8.68	Rs./kVA/month	430.00		Rs/kVAh	8.68	0.00	0.00
Supply above 11 kV & above													
Supply above 11 kV & above: 0 to 2500 kVAh/month		Rs./kVA/month	400.00		Rs/kVAh	8.12	Rs./kVA/month	400.00		Rs/kVAh	8.12	0.00	0.00
Supply above 11 kV & above: Above 2500 kVAh/month		Rs./kVA/month	400.00		Rs/kVAh	8.48	Rs./kVA/month	400.00		Rs/kVAh	8.48	0.00	0.00

Rate Schedule for Proposed Tariff

Consumer Sub-Category	Existing Tariff						Proposed Tariff						% change w.r.t FY	
	Unit	Fixed Charges	Unit	Minimum Charges	Unit	Energy Charges	Unit	Fixed Charges	Unit	Minimum Charges	Unit	Energy Charges	Fixed Charges	Energy Charges
LMV-1: Domestic Light, Fan & Power														
Life Line Consumers (both Rural and Urban)														
(up to 100 kWh/month)	Rs./kWh/month	50.00			Rs/kWh	3.00	Rs./kWh/month	50			Rs/kWh	3	0.00%	0.00%
Dom: Rural Schedule (unmetered)	Rs./kWh/month	500.00			Rs/kWh	0.00	Rs./kWh/month	500.00			Rs/kWh	0.00	0.00%	#DIV/0!
Dom: Rural Schedule (metered) other than BPL														
0-100 kWh/month	Rs./kWh/month	90.00			Rs/kWh	3.35	Rs./kWh/month	90.00			Rs/kWh	3.35	0.00%	0.00%
101-150 kWh/month	Rs./kWh/month	90.00			Rs/kWh	3.85	Rs./kWh/month	90.00			Rs/kWh	3.85	0.00%	0.00%
151-300 kWh/month	Rs./kWh/month	90.00			Rs/kWh	5.00	Rs./kWh/month	90.00			Rs/kWh	5.00	0.00%	0.00%
301-500 kWh/month	Rs./kWh/month	90.00			Rs/kWh	5.50	Rs./kWh/month	90.00			Rs/kWh	5.50	0.00%	0.00%
Above 500 kWh/Month (starting from 501 unit)	Rs./kWh/month	90.00			Rs/kWh	6.00	Rs./kWh/month	90.00			Rs/kWh	6.00	0.00%	0.00%
Dom: Supply at Single Point for Bulk Load	Rs./kWh/month	110.00			Rs/kWh	7.00	Rs./kWh/month	110.00			Rs/kWh	7.00	0.00%	0.00%
Other metered Domestic Consumers other than non														
0-150 kWh/month	Rs./kWh/month	110.00			Rs/kWh	5.50	Rs./kWh/month	110.00			Rs/kWh	5.50	0.00%	0.00%
151-300 kWh/month	Rs./kWh/month	110.00			Rs/kWh	6.00	Rs./kWh/month	110.00			Rs/kWh	6.00	0.00%	0.00%
301-500 kWh/month	Rs./kWh/month	110.00	Apr to Sept	600.00	Rs/kWh	6.50	Rs./kWh/month	110.00	Apr to Sept	600.00	Rs/kWh	6.50	0.00%	0.00%
Above 500 kWh/Month (starting from 501 unit)	Rs./kWh/month	110.00	Oct to Mar	475.00	Rs/kWh	7.00	Rs./kWh/month	110.00	Oct to Mar	475.00	Rs/kWh	7.00	0.00%	0.00%
Sub Total														
LMV-2: Non Domestic Light, Fan & Power														
Non Dom: Rural Schedule (unmetered)	Rs./kWh/month	1000.00			Rs/kWh	0.00	Rs./kWh/month	1000.00			Rs/kWh	0.00	0.00%	
Non Dom: Rural Schedule (metered)	Rs./kWh/month	110.00			Rs/kWh	5.50	Rs./kWh/month	110.00			Rs/kWh	5.50	0.00%	0.00%
Board/GlowSign	Rs./kWh/month	1800.00			Rs/kWh	18.00	Rs./kWh/month	1800.00			Rs/kWh	18.00	0.00%	0.00%
Non Dom: Other Metered Non-Domestic Supply														
Load upto 2kW														
Upto 300 kWh / month	Load upto 2kW	Rs./kWh/month	330.00		Rs/kWh	7.50	Rs./kWh/month	330.00			Rs/kWh	7.50	0.00%	0.00%
301 – 1000 kWh / month	Load upto 2kW	Rs./kWh/month	330.00		Rs/kWh	8.40	Rs./kWh/month	330.00			Rs/kWh	8.40	0.00%	0.00%
Above 1000 kWh/Month	Load upto 2kW	Rs./kWh/month	330.00		Rs/kWh	8.75	Rs./kWh/month	330.00			Rs/kWh	8.75	0.00%	0.00%
Above 2kW to 4 kW														
Upto 300 kWh / month	Above 2kW to	Rs./kWh/month	390.00		Rs/kWh	7.50	Rs./kWh/month	390.00			Rs/kWh	7.50	0.00%	0.00%
301 – 1000 kWh / month	Above 2kW to	Rs./kWh/month	390.00		Rs/kWh	8.40	Rs./kWh/month	390.00			Rs/kWh	8.40	0.00%	0.00%
Above 1000 kWh/Month	Above 2kW to	Rs./kWh/month	390.00		Rs/kWh	8.75	Rs./kWh/month	390.00			Rs/kWh	8.75	0.00%	0.00%
Above 4 kW														
Upto 300 kWh / month	Above 4 kW	Rs./kWh/month	450.00		Rs/kWh	7.50	Rs./kWh/month	450.00			Rs/kWh	7.50	0.00%	0.00%
301 – 1000 kWh / month	Above 4 kW	Rs./kWh/month	450.00		Rs/kWh	8.40	Rs./kWh/month	450.00			Rs/kWh	8.40	0.00%	0.00%
Above 1000 kWh/Month	Above 4 kW	Rs./kWh/month	450.00		Rs/kWh	8.75	Rs./kWh/month	450.00			Rs/kWh	8.75	0.00%	0.00%
Sub Total														
LMV-3: Public Lamps														
Unmetered														
Unmetered - Gram Panchayat	Rs./kWh/month	2100.00			Rs/kWh	0.00	Rs./kWh/month	2100.00			Rs/kWh	0.00	0.00%	
Unmetered - Nagar Palika & Nagar Panchayat	Rs./kWh/month	3200.00			Rs/kWh	0.00	Rs./kWh/month	3200.00			Rs/kWh	0.00	0.00%	
Unmetered - Nagar Nigam	Rs./kWh/month	4200.00			Rs/kWh	0.00	Rs./kWh/month	4200.00			Rs/kWh	0.00	0.00%	
Metered														
Metered - Gram Panchayat														
TOD : 18:00 - 06:00	0%	Rs./kWh/month	200.00		Rs/kWh	7.50	Rs./kWh/month	200.00			Rs/kWh	7.50	0.00%	0.00%
TOD : 06:00 - 18:00	20%	Rs./kWh/month	200.00		Rs/kWh	9.00	Rs./kWh/month	200.00			Rs/kWh	9.00	0.00%	0.00%
Metered - Nagar Palika & Nagar Panchayat														
TOD : 18:00 - 06:00	0%	Rs./kWh/month	250.00		Rs/kWh	8.00	Rs./kWh/month	250.00			Rs/kWh	8.00	0.00%	0.00%
TOD : 06:00 - 18:00	20%	Rs./kWh/month	250.00		Rs/kWh	9.60	Rs./kWh/month	250.00			Rs/kWh	9.60	0.00%	0.00%
Metered - Nagar Nigam														
TOD : 18:00 - 06:00	0%	Rs./kWh/month	250.00		Rs/kWh	8.50	Rs./kWh/month	250.00			Rs/kWh	8.50	0.00%	0.00%
TOD : 06:00 - 18:00	20%	Rs./kWh/month	250.00		Rs/kWh	10.20	Rs./kWh/month	250.00			Rs/kWh	10.20	0.00%	0.00%
Sub Total														
LMV-4: Light, fan & Power for Institutions														
Inst: Public														
Inst: Public : 0 – 1000 kWh / month	Rs./kWh/month	300.00			Rs/kWh	8.25	Rs./kWh/month	300.00			Rs/kWh	8.25	0.00%	0.00%
Inst: Public : 1001 – 2000 kWh / month	Rs./kWh/month	300.00			Rs/kWh	8.50	Rs./kWh/month	300.00			Rs/kWh	8.50	0.00%	0.00%
Inst: Public : Above 2000 kWh / month	Rs./kWh/month	300.00			Rs/kWh	8.75	Rs./kWh/month	300.00			Rs/kWh	8.75	0.00%	0.00%
Inst: Private														
Load upto 3 kW														
Inst: Private : 0 – 1000 kWh / month	Load upto 3 kW	Rs./kWh/month	350.00		Rs/kWh	9.00	Rs./kWh/month	350.00			Rs/kWh	9.00	0.00%	0.00%
Inst: Private : Above 1000 kWh / month	Load upto 3 kW	Rs./kWh/month	350.00		Rs/kWh	9.30	Rs./kWh/month	350.00			Rs/kWh	9.30	0.00%	0.00%
Above 3 kW														
Inst: Private : 0 – 1000 kWh / month	Above 3 kW	Rs./kWh/month	400.00		Rs/kWh	9.00	Rs./kWh/month	400.00			Rs/kWh	9.00	0.00%	0.00%
Inst: Private : Above 1000 kWh / month	Above 3 kW	Rs./kWh/month	400.00		Rs/kWh	9.30	Rs./kWh/month	400.00			Rs/kWh	9.30	0.00%	0.00%
Sub Total														
LMV-5: Private Tube Wells/ Pumping Sets														
Unmetered														
PTW: Rural Schedule (unmetered)	Rs./BHP/month	170.00			Rs/kWh	0.00	Rs./BHP/month	170.00			Rs/kWh	0.00	0.00%	
Metered														
PTW: Rural Schedule (metered)	Rs./BHP/month	70.00	Rs/BHP/month	160.00	Rs/kWh	2.00	Rs./BHP/month	70.00	Rs/BHP/month	160.00	Rs/kWh	2.00	0.00%	0.00%
PTW: Urban Schedule (metered)	Rs./BHP/month	130.00	Rs/BHP/month	215.00	Rs/kWh	6.00	Rs./BHP/month	130.00	Rs/BHP/month	215.00	Rs/kWh	6.00	0.00%	0.00%
Sub Total														
LMV 6: Small and Medium Power upto 100 HP (75 kW)														
Other than power loom: Rural schedule	-7.5%													
Up to 1000 kWh / month	Rs./kWh/month	290.00			Rs/kWh	6.75	Rs./kWh/month	290.00			Rs/kWh	6.75	0.00%	0.00%
Up to 2000 kWh / month	Rs./kWh/month	290.00			Rs/kWh	6.85	Rs./kWh/month	290.00			Rs/kWh	6.85	0.00%	0.00%

Form No: F45

PuVVNL

Distribution Loss, Intrastate & Interstate Transmission Loss

Distribution Loss (%) of State Discoms (Actual/ Projection)								
S.No	Particulars	Financial Year	DVVNL	MVVNL	PVVNL	PuVVNL	KESCO	Consolidated
1	Past Years	FY 2015-16				23.02%		
2		FY 2016-17				22.77%		
3		FY 2017-18				23.16%		
4		FY 2018-19				20.32%		
5	True-Up	FY 2019-20				19.20%		
6	APR	FY 2020-21				19.20%		
	ARR	FY 2021-22				18.00%		

Intra-State Transmission Loss (%) (Actual/ Projection)								
S.No	Particulars	Financial Year	DVVNL	MVVNL	PVVNL	PuVVNL	KESCO	Consolidated
6	APR	FY 2020-21				3.40%		
	ARR	FY 2021-22				3.33%		

Inter-State Transmission Loss (%) (Actual/ Projection)								
S.No	Particulars	Financial Year	DVVNL	MVVNL	PVVNL	PuVVNL	KESCO	Consolidated
6	APR	FY 2020-21				0.87%		
	ARR	FY 2021-22				1.17%		

Billing Determinants with Revenue CategorX / Sub-CategorX	FY 2020-21								FY 2021-22							
	No. of Consumers (Nos.)	% Change of APR Claimed wrt True-Up Claimed	Connected Load (kW)	% Change of APR Claimed wrt True-Up Claimed	Sales (MU)	% Change of APR Claimed wrt True-Up Claimed	Revenue (Rs. Crore)	% Change of APR Claimed wrt True-Up Claimed	No. of Consumers (Nos.)	% Change of ARR Claimed wrt APR Claimed	Connected Load (kW)	% Change of ARR Claimed wrt APR Claimed	Sales (MU)	% Change of ARR Claimed wrt APR Claimed	Revenue (Rs. Crore)	% Change of ARR Claimed wrt APR Claimed
	APR Claimed (FX 2020-21)		APR Claimed (FX 2020-21)		APR Claimed (FX 2020-21)		APR Claimed (FX 2020-21)		ARR Claimed (FX 2021-22)		ARR Claimed (FX 2021-22)		ARR Claimed (FX 2021-22)		ARR Claimed (FX 2021-22)	
LMV-1: Domestic Light, Fan & Power																
Life Line Consumers (both Rural and Urban)	305,646		365,592	3.00%	281.14		105.96		320929	5.00%	383872	5.00%	299.86	6.66%	112.44	
(up to 100 kWh/month)	305,646		365,592	3.00%	281.14		105.96		320929	5.00%	383872	5.00%	299.86	6.66%	112.44	6%
Dom: Rural Schedule (unmetered)	-		-	-100.00%	2,483.75		669.70		0	0.00%	0	0.00%	0.00	-100.00%	-	-100%
Dom: Rural Schedule (metered) other than BPL	6,049,436		7,636,681	0.46	6,400.93		3,079.57		6351908	5.00%	8018515	5.00%	10443.37	63.15%	4,988.75	62%
Dom: Supply at Single Point for Bulk Load	2,061		40,668	286.68%	38.39		30.25		2061	0.00%	40668	0.00%	39.00	1.58%	32.67	8%
Other Metered Domestic Consumers other than BPL	1,359,957		2,897,482	0.03	3,255.56		2,308.44		1427955	5.00%	3042356	5.00%	3749.91	15.18%	2,629.37	14%
Sub Total	7,717,101		10,940,422	2.65%	12,459.78		6,193.92		8102853	5.00%	11485410	4.98%	14532.14	16.63%	7,763.23	25%
LMV-2: Non Domestic Light, Fan & Power																
Non Dom: Rural Schedule (unmetered)	-		-	-100.00%	41.40		46.05		0	0.00%	0	0.00%	0.00	-100.00%	-	-100%
Non Dom: Rural Schedule (metered)	89,249		218,887	57.07%	175.14		119.97		93711	5.00%	229831	5.00%	235.44	34.42%	159.11	33%
Non Dom: Private Advertising /Sign Post/Sign Board/GlowSign	382		4,067	1.00%	0.94		1.69		386	1.00%	4108	1.00%	1.01	7.84%	1.82	8%
Non Dom: Other Metered Non-Domestic SupplX	335,621		1,084,241	2.00%	1,656.84		1,815.22		352402	5.00%	1138453	5.00%	1835.59	10.79%	1,976.77	9%
Sub Total	425,251		1,307,195	0.02	1874.31		1982.93		446498	5.00%	1372392	4.99%	2072.03	10.55%	2137.70	8%
LMV-3: Public Lamps																
Unmetered	-		-	-100.00%	62.93		48.65		0	0.00%	0	0.00%	0.00	-100.00%	-	-100%
Unmetered - Gram PanchaXat	-		-	-100.00%	3.93		2.02		0	0.00%	0	0.00%	0.00	-100.00%	-	-100%
Unmetered - Nagar Palika & Nagar PanchaXat	-		-	-100.00%	43.29		35.99		0	0.00%	0	0.00%	0.00	-100.00%	-	-100%
Unmetered - Nagar Nigam	-		-	-100.00%	15.71		10.65		0	0.00%	0	0.00%	0.00	-100.00%	-	-100%
Metered	352		43,205	143.37%	68.08		66.22		367	4.08%	45104	4.40%	117.41	72.45%	109.80	66%
Metered - Gram PanchaXat	31		1,735	1214.12%	0.39		0.52		32	3.00%	1787	3.00%	4.24	978.67%	3.60	594%
Metered - Nagar Palika & Nagar PanchaXat	261		22,592	516.27%	14.01		15.15		272	4.00%	23496	4.00%	54.41	288.40%	50.44	233%
Metered - Nagar Nigam	60		18,878	35.28%	53.68		50.55		63	5.00%	19822	5.00%	58.76	9.46%	55.75	10%
Sub Total	352		43,205	0.02	131.01		114.87		367	4.08%	45104	4.40%	117.41	-10.38%	109.80	-4%
LMV-4: Light, fan & Power for Institutions																
Inst: Public	19,194		99,468	1.00%	225.21		223.23		19962	4.00%	103447	4.00%	160.16	-28.88%	169.94	-24%
Inst: Private	3,064		29,206		53.10		62.09		3218	5.00%	30666	5.00%	38.13	-28.20%	48.66	-22%
Sub Total	22,258		128,674		278.31		285.32		23179	4.14%	134113	4.23%	198.29	-28.75%	218.60	-23%
LMV-5: Private Tube Wells/ Pumping Sets																
Unmetered	286,774		1,264,908		2,254.38		342.51		301113	5.00%	1328154	5.00%	2091.73	-7.21%	354.55	4%
PTW: Rural Schedule (unmetered)	286,774		1,264,908		2,254.38		342.51		301113	5.00%	1328154	5.00%	2091.73	-7.21%	354.55	4%
Metered	25,159		69,824		174.48		67.17		26383	4.87%	73120	4.72%	160.85	-7.81%	62.60	-7%
PTW: Rural Schedule (metered)	23,463		60,087		115.61		29.82		24636	5.00%	63092	5.00%	107.27	-7.21%	28.39	-5%
PTW: Urban Schedule (metered)	1,696		9,736		58.87		37.35		1747	3.00%	10028	3.00%	53.58	-8.98%	34.22	-8%
Sub Total	311,933		1,334,732		2428.86		409.68		327496	4.99%	1401274	4.99%	2252.58	-7.26%	417.15	2%
LMV 6: Small and Medium Power upto 100 HP (75 kW)																
Consumers getting supplX as per "Rural Schedule"	15,784		165,108		110.66		115.84		16100	2.00%	168410	2.00%	105.46	-4.70%	112.85	-3%

Billing Determinants with Revenue	FY 2020-21								FY 2021-22							
	No. of Consumers (Nos.)	% Change of APR Claimed wrt True-Up Claimed	Connected Load (kW)	% Change of APR Claimed wrt True-Up Claimed	Sales (MU)	% Change of APR Claimed wrt True-Up Claimed	Revenue (Rs. Crore)	% Change of APR Claimed wrt True-Up Claimed	No. of Consumers (Nos.)	% Change of ARR Claimed wrt APR Claimed	Connected Load (kW)	% Change of ARR Claimed wrt APR Claimed	Sales (MU)	% Change of ARR Claimed wrt APR Claimed	Revenue (Rs. Crore)	% Change of ARR Claimed wrt APR Claimed
Consumers getting supplX other than "Rural Schedule"	14,835		177,503		475.22		407.67		15577	5.00%	186379	5.00%	466.20	-1.90%	402.41	-1%
Sub Total	30,619		342,611		585.88		523.51		31677	3.45%	354789	3.55%	571.66	-2.43%	515.27	-2%
LMV-7: Public Water Works										0.00%		0.00%		0.00%		
Rural Schedule	1,536		33,816		160.32		141.47		1567	2.00%	34492	2.00%	139.01	-13.29%	124.80	-12%
Urban Schedule	1,883		78,503		230.56		233.26		1961	4.16%	82123	4.61%	204.87	-11.14%	212.33	-9%
Sub Total	3,419		112,319		390.88		374.73		3528	3.19%	116616	3.83%	343.88	-12.02%	337.13	-10%
LMV-8: State Tube Wells & Pump Canals upto 100 HP										0.00%		0.00%		0.00%		
Metered	11,605		211,118		21.10		75.80		12186	5.00%	221674	5.00%	1097.57	5101.98%	1,047.80	1282%
Metered STW	11,605		211,118		21.10		75.80		12186	5.00%	221674	5.00%	1097.57	5101.98%	1,047.80	1282%
Unmetered	-		-		1,077.26		524.99		0	0.00%	0	0.00%	0.00	-100.00%	-	-100%
Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	-		-		1,033.54		504.61		0	0.00%	0	0.00%	0.00	-100.00%	-	-100%
Unmetered: Laghu Dal Nahar above 100 BHP	-		-		43.73		20.37		0	0.00%	0	0.00%	0.00	-100.00%	-	-100%
Sub Total	11,605		211,118		1098.36		600.79		12186	5.00%	221674	5.00%	1097.57	-0.07%	1047.80	74%
LMV-9: TemporarX SupplX										0.00%		0.00%		0.00%		
Metered	285		3,664		8.96		8.44		293	3.00%	3774	3.00%	1.47	-83.59%	2.48	-71%
Metered TS: Individual residential consumers	176		318		8.96		7.24		181	3.00%	328	3.00%	1.47	-83.59%	1.25	-83%
Metered TS: Others	109		3,346		-		1.20		112	3.00%	3447	3.00%	0.00	0.00%	1.22	2%
Unmetered	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
Unmetered TS: Ceremonies	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
Unmetered TS: Temp shops	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
Sub Total	285		3,664		8.96		8.44		293	3.00%	3774	3.00%	1.47	-83.59%	2.48	-71%
LMV-10: Departmental Employees	29,995		99,599		108.34		53.86		30595	2.00%	101591	2.00%	114.78	5.94%	61.32	14%
LMV-11: Electrical Vehicles										0.00%		0.00%		0.00%		
Multi StorX Buildings	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
LMV-1b	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
HV-1b	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
Public Charging Station	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
LT	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
HT	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
Sub Total	-		-		0.00		0.00		0	0.00%	0	0.00%	0.00	0.00%	0.00	0.00
HV-1: Non-Industrial Bulk Loads										0.00%		0.00%		0.00%		
Rural Schedule	98		28,638		19.96		-		98	0.00%	28638	0.00%	24.54	22.92%	-	-
Rural Schedule - SupplX at 11 kV	98		28,638		19.96		-		98	0.00%	28638	0.00%	24.54	22.92%	-	-
Rural Schedule - SupplX above 11 kV	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
Urban Schedule	760		231,440		391.11		430.56		798	5.00%	243012	5.00%	504.80	29.07%	530.99	23%
Urban Schedule - SupplX at 11 kV	725		195,622		332.16		343.62		761	5.00%	205403	5.00%	428.72	29.07%	429.00	25%
Urban Schedule - SupplX above 11 kV	35		35,818		58.95		86.94		36	5.00%	37609	5.00%	76.08	29.07%	101.99	17%
Sub Total	858		260,078		411.07		430.56		896	4.43%	271650	4.45%	529.33	28.77%	530.99	23%
HV-2: Large and HeavX Power above 100 BHP (75 kW)										0.00%		0.00%		0.00%		
HV2 Urban Schedule: Supply at 11 kV	1,109		136,968		724.10		549.84		1142	3.00%	141077	3.00%	706.01	-2.50%	537.93	-2%
HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	34		82,138		407.77		298.03		35	5.00%	86244	5.00%	405.30	-0.61%	297.10	0%
HV2 Urban Schedule: SupplX above 66 kV & upto 132 kV	4		33,010		83.46		61.26		4	7.00%	35321	7.00%	84.53	1.29%	62.31	2%
HV2 Urban Schedule: SupplX above 132 kV	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	#DIV/0!
HV2 Rural Schedule: SupplX at 11 kV	24		5,938		5.28		4.94		26	5.00%	6235	5.00%	5.25	-0.61%	4.97	1%
Sub Total	1,171		258,054		1220.61		914.06		1207	3.11%	268877	4.19%	1201.09	-1.60%	902.30	-1%
HV-3: RailwaX Traction										0.00%		0.00%		0.00%		
HV3 SupplX at and above 132 kV	1		10,800		16.85		16.27		1	0.00%	10800	0.00%	16.85	0.00%	18.21	
HV3 SupplX below 132 kV	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
HV3 For Metro traction	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	-
Sub Total	1		10,800		16.85		16.27		1	0.00%	10800	0.00%	16.85	0.00%	18.21	
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)										0.00%		0.00%		0.00%		
HV4 SupplX at 11kV	26		24,217		204.76		181.64		27	1.00%	24459	1.00%	214.79	4.90%	190.24	5%
HV4 SupplX above 11kV & upto 66kV	6		116,422		259.01		253.02		6	1.00%	117586	1.00%	271.69	4.90%	264.02	4%
HV4 SupplX above 66 kV & upto 132kV	-		-		-		-		0	0.00%	0	0.00%	0.00	0.00%	-	#DIV/0!
Sub Total	32		140,638		463.77		434.66		33	1.00%	142045	1.00%	486.48	4.90%	454.26	5%
Bulk SupplX										0.00%		0.00%		0.00%		#DIV/0!
Extra State Consumer	1		770		3.01		2.36		1	0.00%	770	0.00%	3.01	0.00%	2.36	
Grand Total	8,554,882		15,193,880		21,480.00		12,345.94		8980809	4.98%	15930879	4.85%	23538.56	9.58%	14,518.59	18%

Note: 1. Licensees are required to provide the above format Discom wise and consolidated bo
2. Columns for rest of the Years for Control Period shall be replicated.

Form No: F47

PuVVNL

Avg. No. of Hour Supply Per day

Category / Sub-Category	Avg. No. of Hours Supply Per day				
	Previous Year	Previous Year	True-Up	APR	ARR
	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
	Trued-Up	Trued-Up	True-Up Claimed	APR Claimed	Projected
LMV-1: Domestic Light, Fan & Power					
Dom: Rural Schedule (unmetered)	17.29	17.50	18.06	17.47	23.45
Dom: Rural Schedule (metered) other than BPL	17.29	17.50	18.06	17.47	23.45
Dom: Supply at Single Point for Bulk Load	23.16	23.25	22.58	23.13	23.45
Other Metered Domestic Consumers other than BPL	23.16	23.25	22.58	23.13	23.45
BPL (both Rural and Urban)	20.23	20.38	20.32	20.30	23.45
* If Possible provide separate data for Rural & Urban consumers					
SUBTOTAL (LMV-1)	20.23	20.38	20.32	20.30	23.45
LMV-2: Non Domestic Light, Fan & Power					
Non Dom: Rural Schedule (unmetered)	17.29	17.50	18.06	17.47	23.45
Non Dom: Rural Schedule (metered)	17.29	17.50	18.06	17.47	23.45
Non Dom: Private Advertising/SignPost/SignBoard/GlowSign	23.16	23.25	22.58	23.13	23.45
Non Dom: Other Metered Non-Domestic Supply	23.16	23.25	22.58	23.13	23.45
SUBTOTAL (LMV-2)	20.23	20.38	20.32	20.30	23.45
LMV-3: Public Lamps					
Unmetered - Gram Panchayat	17.29	17.50	18.06	17.47	23.45
Unmetered - Nagar Palika & Nagar Panchayat	23.16	23.25	22.58	23.13	23.45
Unmetered - Nagar Nigam	23.16	23.25	22.58	23.13	23.45
Metered - Gram Panchayat	17.29	17.50	18.06	17.47	23.45
Metered - Nagar Palika & Nagar Panchayat	23.16	23.25	22.58	23.13	23.45
Metered - Nagar Nigam	23.16	23.25	22.58	23.13	23.45
SUBTOTAL (LMV-3)	21.20	21.33	21.07	21.24	23.45
LMV-4: Light, fan & Power for Institutions					
Inst: Public	23.16	23.25	22.58	23.13	23.45
Inst: Private	23.16	23.25	22.58	23.13	23.45
SUBTOTAL (LMV-4)	23.16	23.25	22.58	23.13	23.45
LMV-5: Private Tube Wells/ Pumping Sets					
PTW: Rural Schedule (unmetered)	17.29	9.37	9.31	10.00	10.00
PTW: Rural Schedule (metered)	17.29	9.37	9.31	10.00	10.00
PTW: Urban Schedule (metered)	23.16	23.25	22.58	23.13	23.50
SUBTOTAL (LMV-5)	19.25	14.00	13.73	14.38	14.50
LMV 6: Small and Medium Power upto 100 HP (75 kW)					
Power Loom: Rural schedule	17.29	17.50	18.06	23.13	23.45
Power Loom: Urban schedule	23.16	23.25	22.58	23.13	23.45
Other than power loom: Rural schedule	17.29	17.50	18.06	23.13	23.45
Other than power loom: Urban schedule	23.16	23.25	22.58	23.13	23.45
SUBTOTAL (LMV-6)	20.23	20.38	20.32	23.13	23.45
LMV-7: Public Water Works					
Rural Schedule					
Rural Schedule: Jal Nigam	17.29	17.5	18.06	23.13	23.45
Rural Schedule: Jal Sansthan	17.29	17.5	18.06	23.13	23.45
Rural Schedule: Other PWWs	17.29	17.5	18.06	23.13	23.45
Urban Schedule					
Urban Schedule: Jal Nigam	23.16	23.25	22.58	23.13	23.45
Urban Schedule: Jal Sansthan	23.16	23.25	22.58	23.13	23.45
Urban Schedule: Other PWWs	23.16	23.25	22.58	23.13	23.45
SUBTOTAL (LMV-7)	20.23	20.38	20.32	23.13	23.45

Category / Sub-Category	Avg. No. of Hours Supply Per day				
	Previous Year	Previous Year	True-Up	APR	ARR
	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
	Trued-Up	Trued-Up	True-Up Claimed	APR Claimed	Projected
LMV-8: State Tube Wells & Pump Canals upto 100 HP					
Metered STW	17.29	17.5	18.06	23.45	23.45
Unmetered					
Unmetered: STW/Panch.Raj/WB/ID/P.Canals/LI upto 100 BHP	17.29	17.5	18.06	23.13	23.45
Unmetered: Laghu Dal Nahar above 100 BHP	23.16	23.25	22.58	23.13	23.45
SUBTOTAL (LMV-8)	19.25	19.42	19.57	23.24	23.45
LMV-9: Temporary Supply					
Metered TS: Individual residential consumers	23.16	23.25	22.58	23.13	23.45
Metered TS: Others	23.16	23.25	22.58	23.13	23.45
Unmetered TS: Ceremonies	23.16	23.25	22.58	23.13	23.45
Unmetered TS: Temp shops	23.16	23.25	22.58	23.13	23.45
SUBTOTAL (LMV-9)	23.16	23.25	22.58	23.13	23.45
LMV-10: Departmental Employees					
Serving: Class IV Employees	23.16	23.25	22.58	23.13	23.45
Serving: Class III Employees	23.16	23.25	22.58	23.13	23.45
Serving: Junior Engineers & Equivalent	23.16	23.25	22.58	23.13	23.45
Serving: Assistant Engineers & Equivalent	23.16	23.25	22.58	23.13	23.45
Serving: Executive Engineers & Equivalent	23.16	23.25	22.58	23.13	23.45
Serving: Deputy General Manager & Equivalent	23.16	23.25	22.58	23.13	23.45
Serving: CGM/GM & Equivalent posts and above	23.16	23.25	22.58	23.13	23.45
Pensioners	23.16	23.25	22.58	23.13	23.45
SUBTOTAL (LMV-10)	23.16	23.25	22.58	23.13	23.45
HV-1: Non-Industrial Bulk Loads					
HV1 Urban Schedule: Supply at 11 kV	23.16	23.25	22.58	23.13	23.45
HV1 Urban Schedule: Supply above 11 kV & above	23.16	23.25	22.58	23.13	23.45
HV1 Rural Schedule: Supply at 11 kV	17.29	17.50	18.06	23.13	23.45
HV1 Rural Schedule: Supply above 11 kV & above	17.29	17.50	18.06	23.13	23.45
SUBTOTAL (HV-1)	20.23	20.38	20.32	23.13	23.45
HV-2: Large and Heavy Power above 100 BHP (75 kW)					
HV2 Urban Schedule: Supply at 11 kV	23.16	23.25	22.58	23.13	23.45
HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	23.16	23.25	22.58	23.13	23.45
HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	23.16	23.25	22.58	23.13	23.45
HV2 Urban Schedule: Supply above 132 kV	23.16	23.25	22.58	23.13	23.45
HV2 Rural Schedule: Supply at 11 kV	17.29	17.50	18.06	23.13	23.45
HV2 Rural Schedule: Supply above 11 kV & upto 66 kV	17.29	17.50	18.06	23.13	23.45
SUBTOTAL (HV-2)	21.20	21.33	21.07	23.13	23.45
HV-3: Railway Traction					
SUBTOTAL (HV-3)	23.16	23.25	22.58	24.00	24.00
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)					
HV4 Supply at 11kV	23.16	23.25	22.58	23.13	23.45
HV4 Supply above 11kV & upto 66kV	23.16	23.25	22.58	23.13	23.45
HV4 Supply above 66 kV & upto 132kV	23.16	23.25	22.58	23.13	23.45
SUBTOTAL (HV-4)	23.16	23.25	22.58	23.13	23.45
BULK SUPPLY					
Bulk Supply	23.16	23.25			
EXTRA STATE CONSUMER	23.16	23.25			
LMV-11: EV Charging					
Multi Story Buildings					
Multi Story Buildings (Covered under LMV-1b)					
Multi Story Buildings (Covered under HV-1b)					
Public Charging Stations					
Public Charging Station (LT)					
Public Charging Station (HT)					
GRAND TOTAL					

Note: Licensees are required to provide the above format Discom wise and consolidated both.

Form No: F48

Name of Distribution Licensee

ABR % of ACoS

Consumer Categories	Ture-Up Claimed		APR Claimed		ARR	
	FY 2019-20		FY 2020-21		FY 2021-22	
	ABR (Rs. / kWh)	ABR / unit % of ACoS	ABR (Rs. / kWh)	ABR / unit % of ACoS	ABR (Rs. / kWh)	ABR / unit % of ACoS
LMV-1: Domestic Light, Fan & Power						
Life Line Consumers (both Rural and Urban)	3.61	51%	3.77	46%	3.75	46%
(up to 100 kWh/month)	3.61	51%	3.77	46%	3.75	46%
Dom: Rural Schedule (unmetered)	4.71	67%	2.70	33%	0.00	0%
Dom: Rural Schedule (metered) other than BPL	4.05	57%	4.81	58%	4.78	58%
0-100 kWh/month	4.16	59%	20.33	247%	12.55	153%
101-150 kWh/month	3.65	52%	2.41	29%	2.99	36%
151-300 kWh/month	3.79	54%	2.98	36%	3.73	45%
301-500 kWh/month	4.53	64%	1.39	17%	2.84	35%
Above 500 kWh/Month (starting from 501 unit)	5.17	73%	1.82	22%	2.92	35%
Dom: Supply at Single Point for Bulk Load	7.73	109%	7.88	96%	8.38	102%
Other Metered Domestic Consumers other than BPL	6.53	92%	7.09	86%	7.01	85%
0-150 kWh/month	6.60	93%	10.64	129%	10.17	124%
151-300 kWh/month	6.55	93%	13.28	161%	12.62	153%
301-500 kWh/month	6.68	94%	6.84	83%	6.80	83%
Above 500 kWh/Month (starting from 501 unit)	6.34	90%	2.79	34%	3.16	38%
Sub Total	4.83	68%	4.97	60%	5.34	65%
	0.00	0%	0.00	0%	0.00	0%
LMV-2: Non Domestic Light, Fan & Power	0.00	0%	0.00	0%	0.00	0%
Non Dom: Rural Schedule (unmetered)	17.70	250%	11.12	135%	0.00	0%
Non Dom: Rural Schedule (metered)	6.07	86%	6.85	83%	6.76	82%
Non Dom: Private Advertising /Sign Post/Sign Board/GlowS	70.49	996%	18.00	219%	18.00	219%
Non Dom: Other Metered Non-Domestic Supply	10.19	144%	10.96	133%	10.77	131%
Upto 300 kWh / month	10.01	141%	12.41	151%	12.04	146%
301 – 1000 kWh / month	10.70	151%	9.20	112%	9.20	112%
Above 1000 kWh/Month	9.98	141%	15.83	192%	15.78	192%
Sub Total	10.00	141%	10.58	129%	10.32	125%
	0.00	0%	0.00	0%	0.00	0%
LMV-3: Public Lamps	0.00	0%	0.00	0%	0.00	0%
Unmetered	18.93	267%	7.73	94%	0.00	0%
Unmetered - Gram Panchayat	15.46	218%	5.13	62%	0.00	0%
Unmetered - Nagar Palika & Nagar Panchayat	20.14	285%	8.31	101%	0.00	0%
Unmetered - Nagar Nigam	16.44	232%	6.78	82%	0.00	0%
Metered	9.88	140%	9.73	118%	9.35	114%
Metered - Gram Panchayat	8.50	120%	13.20	160%	8.50	103%
Metered - Nagar Palika & Nagar Panchayat	9.48	134%	10.81	131%	9.27	113%
Metered - Nagar Nigam	9.99	141%	9.42	114%	9.49	115%
Sub Total	14.22	201%	8.77	107%	9.35	114%
	0.00	0%	0.00	0%	0.00	0%
LMV-4: Light, fan & Power for Institutions	0.00	0%	0.00	0%	0.00	0%
Inst: Public	10.46	148%	9.91	120%	10.61	129%
Inst: Public : 0 – 1000 kWh / month	12.95	183%	10.15	123%	10.99	133%
Inst: Public : 1001 – 2000 kWh / month	9.06	128%	9.29	113%	9.64	117%
Inst: Public : Above 2000 kWh / month	8.41	119%	8.98	109%	9.08	110%
Inst: Private	10.06	142%	11.69	142%	12.76	155%
Inst: Private : 0 – 1000 kWh / month	10.68	151%	12.19	148%	15.64	190%
Inst: Private : Above 1000 kWh / month	9.86	139%	11.19	136%	9.88	120%
Sub Total	10.39	147%	10.25	125%	11.02	134%
	0.00	0%	0.00	0%	0.00	0%
LMV-5: Private Tube Wells/ Pumping Sets	0.00	0%	0.00	0%	0.00	0%
Unmetered	1.50	21%	1.52	18%	1.69	21%
PTW: Rural Schedule (unmetered)	1.50	21%	1.52	18%	1.69	21%
Metered	3.80	54%	3.85	47%	3.89	47%
PTW: Rural Schedule (metered)	2.47	35%	2.58	31%	2.65	32%
PTW: Urban Schedule (metered)	6.41	91%	6.34	77%	6.39	78%
Sub Total	1.66	23%	1.69	20%	1.85	22%
	0.00	0%	0.00	0%	0.00	0%
LMV 6: Small and Medium Power upto 100 HP (75 kW)	0.00	0%	0.00	0%	0.00	0%
Consumers getting supply as per "Rural Schedule"	10.76	152%	10.47	127%	10.70	130%
Up to 1000 kWh / month	14.31	202%	12.58	153%	12.96	157%
Up to 2000 kWh / month	7.64	108%	7.49	91%	7.53	91%
For above 2000 kWh / month	7.63	108%	7.95	97%	7.99	97%
Consumers getting supply other than "Rural Schedule"	9.34	132%	8.58	104%	8.63	105%
Up to 1000 kWh / month	12.82	181%	9.33	113%	9.44	115%
Up to 2000 kWh / month	8.74	124%	7.99	97%	8.02	97%
For above 2000 kWh / month	8.14	115%	8.31	101%	8.33	101%
Sub Total	9.61	136%	8.94	109%	9.01	110%
	0.00	0%	0.00	0%	0.00	0%
LMV-7: Public Water Works	0.00	0%	0.00	0%	0.00	0%
Rural Schedule	8.84	125%	8.82	107%	8.98	109%
Rural Schedule: Jal Nigam	8.80	124%	8.79	107%	8.94	109%
Rural Schedule: Jal Sansthan	8.24	116%	8.30	101%	8.36	102%
Rural Schedule: Other PWWs	9.88	140%	9.72	118%	10.04	122%
Urban Schedule	10.25	145%	10.12	123%	10.36	126%
Urban Schedule: Jal Nigam	9.92	140%	9.85	120%	10.07	122%
Urban Schedule: Jal Sansthan	10.15	143%	10.03	122%	10.26	125%
Urban Schedule: Other PWWs	11.30	160%	11.01	134%	11.39	138%
Sub Total	9.67	137%	9.59	116%	9.80	119%

	0.00	0%	0.00	0%	0.00	0%
LMV-8: State Tube Wells & Pump Canals upto 100 HP	0.00	0%	0.00	0%	0.00	0%
Metered	9.57	135%	35.93	436%	9.55	116%
Metered STW	9.57	135%	35.93	436%	9.55	116%
Unmetered	9.59	135%	4.87	59%	0.00	0%
Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	9.99	141%	4.88	59%	0.00	0%
Unmetered: Laghu Dal Nahar above 100 BHP	0.00	0%	4.66	57%	0.00	0%
Sub Total	9.59	135%	5.47	66%	9.55	116%
	0.00	0%	0.00	0%	0.00	0%
LMV-9: Temporary Supply	0.00	0%	0.00	0%	0.00	0%
Metered	10.53	149%	9.42	114%	16.84	205%
Metered TS: Individual residential consumers	8.00	113%	8.08	98%	8.53	104%
Metered TS: Others	0.00	0%	0.00	0%	0.00	0%
Unmetered	0.00	0%	0.00	0%	0.00	0%
Unmetered TS: Ceremonies	0.00	0%	0.00	0%	0.00	0%
Unmetered TS: Temp shops	0.00	0%	0.00	0%	0.00	0%
Sub Total	10.53	149%	9.42	114%	16.84	205%
	0.00	0%	0.00	0%	0.00	0%
LMV-10: Departmental Employees	0.00	0%	0.00	0%	0.00	0%
LMV-10: Sub Total	7.02	99%	4.97	60%	5.34	65%
	0.00	0%	0.00	0%	0.00	0%
LMV-11: Electrical Vehicles	0.00	0%	0.00	0%	0.00	0%
Multi Story Buildings	0.00	0%	0.00	0%	0.00	0%
LMV-1b	0.00	0%	0.00	0%	0.00	0%
HV-1b	0.00	0%	0.00	0%	0.00	0%
Public Charging Station	0.00	0%	0.00	0%	0.00	0%
LT	0.00	0%	0.00	0%	0.00	0%
HT	0.00	0%	0.00	0%	0.00	0%
Sub Total	0.00	0%	0.00	0%	0.00	0%
	0.00	0%	0.00	0%	0.00	0%
HV-1: Non-Industrial Bulk Loads	0.00	0%	0.00	0%	0.00	0%
Rural Schedule	0.00	0%	0.00	0%	0.00	0%
Rural Schedule - Supply at 11 kV	0.00	0%	0.00	0%	0.00	0%
Rural Schedule - Supply above 11 kV	0.00	0%	0.00	0%	0.00	0%
Urban Schedule	10.04	142%	11.01	134%	10.52	128%
Urban Schedule - Supply at 11 kV	9.93	140%	10.34	126%	10.01	122%
Urban Schedule - Supply above 11 kV	10.67	151%	14.75	179%	13.41	163%
Sub Total	9.55	135%	10.47	127%	10.03	122%
	0.00	0%	0.00	0%	0.00	0%
HV-2: Large and Heavy Power above 100 BHP (75 kW)	0.00	0%	0.00	0%	0.00	0%
HV2 Urban Schedule: Supply at 11 kV	7.88	111%	7.59	92%	7.62	93%
05:00 hrs to 11:00 hrs	8.82	125%	3.26	40%	3.27	40%
11:00 hrs to 17:00 hrs	7.25	102%	24.09	293%	24.17	294%
17:00 hrs to 23:00 hrs	8.90	126%	9.71	118%	9.74	118%
23:00 hrs to 05:00 hrs	6.93	98%	13.95	169%	14.00	170%
HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	7.25	102%	7.31	89%	7.33	89%
05:00 hrs to 11:00 hrs	7.45	105%	3.14	38%	3.15	38%
11:00 hrs to 17:00 hrs	6.96	98%	23.18	282%	23.25	282%
17:00 hrs to 23:00 hrs	8.25	117%	9.34	113%	9.36	114%
23:00 hrs to 05:00 hrs	6.56	93%	13.43	163%	13.47	164%
HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	7.36	104%	7.34	89%	7.37	90%
05:00 hrs to 11:00 hrs	8.13	115%	3.16	38%	3.18	39%
11:00 hrs to 17:00 hrs	6.81	96%	23.28	283%	23.38	284%
17:00 hrs to 23:00 hrs	8.31	117%	9.31	113%	9.34	114%
23:00 hrs to 05:00 hrs	6.52	92%	13.55	165%	13.61	165%
HV2 Urban Schedule: Supply above 132 kV	0.00	0%	0.00	0%	0.00	0%
05:00 hrs to 11:00 hrs	0.00	0%	0.00	0%	0.00	0%
11:00 hrs to 17:00 hrs	0.00	0%	0.00	0%	0.00	0%
17:00 hrs to 23:00 hrs	0.00	0%	0.00	0%	0.00	0%
23:00 hrs to 05:00 hrs	0.00	0%	0.00	0%	0.00	0%
HV2 Rural Schedule: Supply at 11 kV	9.34	132%	9.35	114%	9.46	115%
Sub Total	7.73	109%	7.49	91%	7.51	91%
	0.00	0%	0.00	0%	0.00	0%
HV-3: Railway Traction	0.00	0%	0.00	0%	0.00	0%
HV3 Supply at and above 132 kV	0.00	0%	9.65	117%	10.81	131%
HV3 Supply below 132 kV	0.00	0%	0.00	0%	0.00	0%
HV3 For Metro traction	0.00	0%	0.00	0%	0.00	0%
Sub Total	0.00	0%	9.65	117%	10.81	131%
	0.00	0%	0.00	0%	0.00	0%
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)	0.00	0%	0.00	0%	0.00	0%
HV4 Supply at 11kV	8.68	123%	8.87	108%	8.86	108%
HV4 Supply above 11kV & upto 66kV	9.07	128%	9.77	119%	9.72	118%
HV4 Supply above 66 kV & upto 132kV	0.00	0%	0.00	0%	0.00	0%
Sub Total	8.90	126%	9.37	114%	9.34	113%
	0.00	0%	0.00	0%	0.00	0%
Bulk Supply	0.00	0%	0.00	0%	0.00	0%
Extra State Consumer	0.00	0%	7.83	95%	7.83	95%
Grand Total	5.89	83%	5.75	70%	6.17	75%
ACoS		7.08		8.23		8.77

Note: Licensees are required to provide the above format Discom wise and consolidated both.

Category	FY 2021-22										
	No. of consumers	Connected Load (kW)	Sales (MU)	Revenue from Fixed/Demand Charges (Rs. Crore)	Revenue from Minimum Charge (Rs. Crore)	Revenue from Energy Charges (Rs. Crore)	Revenue from any Other Charges (Rs. Crore)	Total Revenue (Rs. Crore)	Government Subsidy (Rs. Crore)	Government Additional Subsidy (Rs. Crore)	Total Revenue (including Subsidy) (Rs. Crore)
LMV-1: Domestic Light, Fan & Power											
Life Line Consumers (both Rural and Urban)	320929	383872	300	22	0	90		112			112
(up to 100 kWh/month)	320929	383872	300	22	0	90		112			112
Dom: Rural Schedule (unmetered)	0	0	0	0	0	0		0			0
Dom: Rural Schedule (metered) other than BPL	6351908	8018515	10443	845	0	4143		4989			4989
0-100 kWh/month	3214065	3536165	1775	373	0	1856		2229			2229
101-150 kWh/month	1778534	2092832	3342	221	0	779		1000			1000
151-300 kWh/month	946434	1282962	2715	135	0	877		1013			1013
301-500 kWh/month	346179	721666	1963	76	0	482		559			559
Above 500 kWh/Month (starting from 501 unit)	66695	384889	647	41	0	148		189			189
Dom: Supply at Single Point for Bulk Load	2061	40668	39	5	0	27		33			33
Other Metered Domestic Consumers other than BPL	1427955	3042356	3750	392	0	2237		2629			2629
0-150 kWh/month	1042407	1794611	1312	231	0	1104		1335			1335
151-300 kWh/month	116509	454788	337	59	0	367		426			426
301-500 kWh/month	116609	403010	562	52	0	331		382			382
Above 500 kWh/Month (starting from 501 unit)	152430	389947	1537	50	0	436		486			486
Sub Total	8102853	11485410	14532	1265	0	6498	0	7763	0	0	7763
LMV-2: Non Domestic Light, Fan & Power	0	0	0	0	0	0		0			0
Non Dom: Rural Schedule (unmetered)	0	0	0	0	0	0		0			0
Non Dom: Rural Schedule (metered)	93711	229831	235	30	0	129		159			159
Non Dom: Private Advertising /Sign Post/Sign	386	4108	1	0	0	2		2			2
Non Dom: Other Metered Non-Domestic Supp	352402	1138453	1836	515	0	1461		1977			1977
Upto 300 kWh / month	285107	921054	881	276	0	785		1061			1061
301 – 1000 kWh / month	42838	138391	467	98	0	332		430			430
Above 1000 kWh/Month	24456	79008	308	142	0	345		487			487
Sub Total	446498	1372392	2072	545	0	1593	0	2138	0	0	2138
LMV-3: Public Lamps	0	0	0	0	0	0		0			0
Unmetered	0	0	0	0	0	0		0			0
Unmetered - Gram Panchayat	0	0	0	0	0	0		0			0
Unmetered - Nagar Palika & Nagar Panchayat	0	0	0	0	0	0		0			0
Unmetered - Nagar Nigam	0	0	0	0	0	0		0			0
Metered	367	45104	117	13	0	97		110			110
Metered - Gram Panchayat	32	1787	4	0	0	3		4			4
Metered - Nagar Palika & Nagar Panchayat	272	23496	54	7	0	44		50			50
Metered - Nagar Nigam	63	19822	59	6	0	50		56			56
Sub Total	367	45104	117	13	0	97	0	110	0	0	110
LMV-4: Light, fan & Power for Institutions	0	0	0	0	0	0		0			0
Inst: Public	19962	103447	160	37	0	133		170			170
Inst: Public : 0 – 1000 kWh / month	17966	93102	120	33	0	99		132			132
Inst: Public : 1001 – 2000 kWh / month	1797	9310	29	3	0	25		28			28
Inst: Public : Above 2000 kWh / month	200	1034	11	0	0	10		10			10
Inst: Private	3218	30666	38	14	0	35		49			49
Inst: Private : 0 – 1000 kWh / month	1351	3864	19	6	0	24		30			30
Inst: Private : Above 1000 kWh / month	901	2576	19	8	0	11		19			19
Sub Total	23179	134113	198	51	0	168	0	219	0	0	219
LMV-5: Private Tube Wells/ Pumping Sets	0	0	0	0	0	0		0			0
Unmetered	301113	1328154	2092	355	0	0		355			355
PTW: Rural Schedule (unmetered)	301113	1328154	2092	355	0	0		355			355
Metered	26383	73120	161	9	0	54		63			63
PTW: Rural Schedule (metered)	24636	63092	107	7	0	21		28			28
PTW: Urban Schedule (metered)	1747	10028	54	2	0	32		34			34
Sub Total	327496	1401274	2253	364	0	54	0	417	0	0	417
LMV 6: Small and Medium Power upto 100 H	0	0	0	0	0	0		0			0
Consumers getting supply as per "Rural Schem	16100	168410	105	40	0	73		113			113
Up to 1000 kWh / month	14012	155376	60	37	0	40		78			78
Up to 2000 kWh / month	1327	7109	25	2	0	17		19			19
For above 2000 kWh / month	762	5925	21	1	0	15		17			17
Consumers getting supply other than "Rural S	15577	186379	466	47	0	355		402			402
Up to 1000 kWh / month	9782	130230	158	33	0	116		149			149
Up to 2000 kWh / month	2941	25589	112	7	0	83		90			90
For above 2000 kWh / month	2854	30560	197	8	0	156		164			164
Sub Total	31677	354789	572	88	0	428	0	515	0	0	515
LMV-7: Public Water Works	0	0	0	0	0	0		0			0
Rural Schedule	1567	34492	139	14	0	111		125			125
Rural Schedule: Jal Nigam	1312	24821	104	10	0	83		93			93
Rural Schedule: Jal Sansthan	88	1933	20	1	0	16		16			16
Rural Schedule: Other PWWs	166	7738	15	3	0	12		15			15
Urban Schedule	1961	82123	205	36	0	176		212			212
Urban Schedule: Jal Nigam	540	10377	31	5	0	27		32			32
Urban Schedule: Jal Sansthan	1023	56437	149	25	0	128		153			153
Urban Schedule: Other PWWs	398	15309	24	7	0	21		27			27
Sub Total	3528	116616	344	50	0	287	0	337	0	0	337

	0		0	0	0	0					
LMV-8: State Tube Wells & Pump Canals up	0	56437	0	0	0	0					
Metered	12186	15309	1098	115	0	933		1048			1048
Metered STW	12186	116616	1098	115	0	933		1048			1048
Unmetered	0	0	0	0	0	0		0			0
Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI	0	0	0	0	0	0		0			0
Unmetered: Laghu Dal Nahar above 100 BHP	0	221674	0	0	0	0		0			0
Sub Total	12186	221674	1098	115	0	933	0	1048	0	0	1048
	0	0	0	0	0	0					
LMV-9: Temporary Supply	0	0	0	0	0	0					
Metered	293	3774	1	1	0	1		2			2
Metered TS: Individual residential consumers	181	328	1	0	0	1		1			1
Metered TS: Others	112	3447	0	1	0	0		1			1
Unmetered	0	0	0	0	0	0		0			0
Unmetered TS: Ceremonies	0	0	0	0	0	0		0			0
Unmetered TS: Temp shops	0	0	0	0	0	0		0			0
Sub Total	293	3774	1	1	0	1	0	2	0	0	2
	0	0	0	0	0	0					
LMV-10: Departmental Employees	30595	101591	115	0	0	0					
LMV-10: Sub Total	30595	101591	115	61	0	0		61			61
	0	0	0	0	0	0					
LMV-11: Electrical Vehicles	0	0	0	0	0	0					
Multi Story Buildings	0	0	0	0	0	0		0			0
LMV-1b	0	0	0	0	0	0		0			0
HV-1b	0	0	0	0	0	0		0			0
Public Charging Station	0	0	0	0	0	0		0			0
LT	0	0	0	0	0	0		0			0
HT	0	0	0	0	0	0		0			0
Sub Total	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0					
HV-1: Non-Industrial Bulk Loads	0	0	0	0	0	0					
Sub Total	896	271650	529	94	0	437	0	531	0	0	531
	0	0	0	0	0	0					
HV-2: Large and Heavy Power above 100 BHI	0	0	0	0	0	0					
HV2 Urban Schedule: Supply at 11 kV	1142	141077	706	38	0	500		538			538
05:00 hrs to 11:00 hrs	1142	141077	353	9	0	107		115			115
11:00 hrs to 17:00 hrs	263	32476	81	14	0	183		196			196
17:00 hrs to 23:00 hrs	416	51421	129	8	0	118		125			125
23:00 hrs to 05:00 hrs	233	28793	72	8	0	93		101			101
HV2 Urban Schedule: Supply above 11 kV & above	35	86244	405	22	0	275		297			297
05:00 hrs to 11:00 hrs	35	86244	203	5	0	59		64			64
11:00 hrs to 17:00 hrs	8	19853	47	8	0	100		108			108
17:00 hrs to 23:00 hrs	13	31435	74	4	0	65		69			69
23:00 hrs to 05:00 hrs	7	17602	41	4	0	51		56			56
HV2 Urban Schedule: Supply above 66 kV & above	4	35321	85	8	0	54		62			62
05:00 hrs to 11:00 hrs	4	35321	42	2	0	12		13			13
11:00 hrs to 17:00 hrs	1	8131	10	3	0	20		23			23
17:00 hrs to 23:00 hrs	2	12874	15	2	0	13		14			14
23:00 hrs to 05:00 hrs	1	7209	9	2	0	10		12			12
HV2 Urban Schedule: Supply above 132 kV	0	0	0	0	0	0		0			0
05:00 hrs to 11:00 hrs	0	0	0	0	0	0		0			0
11:00 hrs to 17:00 hrs	0	0	0	0	0	0		0			0
17:00 hrs to 23:00 hrs	0	0	0	0	0	0		0			0
23:00 hrs to 05:00 hrs	0	0	0	0	0	0		0			0
HV2 Rural Schedule: Supply at 11 kV	26	6235	5	2	0	3		5			5
Sub Total	1207	268877	1201	69	0	833	0	902	0	0	902
	0	0	0	0	0	0					
HV-3: Railway Traction	0	0	0	0	0	0					
HV3 Supply at and above 132 kV	1	10800	17	4	0	14		18			18
HV3 Supply below 132 kV	0	0	0	0	0	0		0			0
HV3 For Metro traction	0	0	0	0	0	0		0			0
Sub Total	1	10800	17	4	0	14	0	18	0	0	18
HV-4: Lift Irrigation & P. Canals above 100 BHI	0	0	0	0	0	0					
HV4 Supply at 11kV	27	24459	215	8	0	183		190			190
HV4 Supply above 11kV & upto 66kV	6	117586	272	36	0	228		264			264
HV4 Supply above 66 kV & upto 132kV	0	0	0	0	0	0		0			0
Sub Total	33	142045	486	43	0	411	0	454	0	0	454
Bulk Supply	0	0	0	0	0	0		0			0
Extra State Consumer	1	770	3	0	0	2		2			2
Grand Total	8980809	15930879	23539	2763.95	0.00	11754.64	0.00	14518.59	3325	0	14519

Note:
i) Details have to be submitted for the True-Up year, APR year and each year of the control period
ii) The detailed computation for the subsidy will be submitted covering the beneficiary categories/ sub-categories and the amounts.

PuVVNL

Form No: F50

Debits, Write-offs and any other items

Sl.No.	Particulars	Past year			APR Year			APR Year		ARR
		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21	FY 2021-22	
		Trued-up	Trued-up	Trued-up	Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimates	Projected
1	Opening Balance of Provision for bad and doubtful debts	1,685.14	1,907.03	2,094.40			2291.13		2,455.73	2,769.15
2	Provision for bad & doubtful debts during the year	221.89	187.38	196.72			164.61		313.41	356.87
3	Actual bad and doubtful debts written off									
4	Closing Balance of Provision for bad and doubtful debts	1,907.03	2,094.40	2,291.13			2455.73		2769.15	3126.02
5	Receivables for the year	14,269.43	18,707.14	22,454.69						
6	Bad and doubtful debt as % of Receivables (%)	1.55%	1.00%	0.88%						
7	Bad and doubtful debts as per Regulations			290.16			298.61		313.41	356.87
10	Bad debt claimed	190.68	187.92	196.72	261.71		164.61		313.41	356.87

Form No: F51

Name of Distribution Licensee

Public Hearing Attendance List

List of Persons who attended Public Hearing at _____ dated: _____					
S. No.	Name	Organization/ Address	E-mail Id	Contact No.	Signature
1	<h1>NA</h1>				
2					
3					
4					
5					
6					
7					
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9					
10					
11					
12					
13					
14					
15					
16					
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25					
26					
27					
28					
29					
30					
...					
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...					
...					

Note: Attendance list for all Public Hearings must be provided by the Licensees.

Form No: F52

Name of Distribution Licensee

Publication Details

S. No.	Name of News Paper	Edition	Date of Publication	Language	Details of Publication (Public Hearing, True-Up, ARR etc.)
1	<h1>NA</h1>				
2					
3					
4					
5					
6					
7					
8					
9					
10					
...					
...					
...					
...					
Remarks:					

Form No: P1

PuVVNL

T&D Losses in LT and HT system

S.No.	Particulars	Past year			True- Up		APR	ARR
		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20		FY 2020-21	FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Approved (in	Claimed	Revised	Projected
A	System Losses At 33 KV							
1	Energy received into the system			25674.65		26128.23		
2	Energy sold at this voltage level			1817.20		1169.02		
3	Energy transmitted to the next (lower)			23626.83		24761.06		
4	Energy Lost			230.62		198.15		
5	Total Loss in the system (4/1)*100%	#DIV/0!	#DIV/0!	0.90%		0.76%	#DIV/0!	#DIV/0!
B	11kV and 'LT System Losses							
1	Energy received into the system			23626.83		24761.06		
2	Energy sold at this voltage level			18664.08		19913.30		
3	Energy transmitted to the next (lower)			4962.75		4847.75		
4	Energy Lost			4962.75		4847.75		
5	Total Loss in the system (4/1)*100%	#DIV/0!	#DIV/0!	21.00%		19.58%	#DIV/0!	#DIV/0!
C	LT System Losses							
1	Energy received into the system							
2	Energy sold at this voltage level							
3	Energy Lost							
4	Total Loss in the system (3/1)*100%	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!
D	Overall Losses							
1	Energy In (A1)			25,674.65		26,128.23		
2	Energy Out (A2+B2+C2+D2))			20,481.28		21,082.33		
3	Total T&D Loss ((1-2)/1)*100%	#DIV/0!	#DIV/0!	20.23%		19.31%	#DIV/0!	#DIV/0!

Note:

- 1 For 220 KV and 132 KV Consumers calculation for losses for individual consumers shall be indicated separately
- 2 The Circle/Division wise losses have also to be provided

Summary of Circle wise AT & C Loss Computation

S.No	Particulars	Formula	Unit	Past year		True- Up			APR	ARR
				FY 2017-18	FY 2018-19	FY 2019-20			FY 2020-21	FY 2021-22
				Trued- Up	Trued- Up	Approved (in TO)	Audited	Claimed	Revised Estimates	Projected
1	Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of Distribution Licensee	A	MU	0	0			0	0	
2	Input energy (metered Import) received at interface points of Distribution Licensee network	B	MU	27,016.33	24,883.57			24,188.23	26,584.16	28,705.56
3	Input energy (metered Export) by the Distribution Licensee at interface points of Distribution Licensee network	C	MU	0	0			0	0	
4	Total Energy available for sale within the licensed area to the consumers of the Distribution Licensee	D=A+B-C	MU	27,016.33	24,883.57			24,188.23	26,584.16	28,705.56
5	Energy billed to metered consumers within the licensed area of the Distribution Licensee	E	MU	20758	20795					
6	Energy billed to un-metered consumers within the licensed area of the Distribution Licensee	F	MU					21237	21480	23539
7	Total Energy Billed	G=E+F	MU	20758.35	20795.2			21,237.26	21480.00	23538.56
8	Amount billed to consumer within the licensed area of the Distribution Licensee	H	Rs crores	9962.73	11036.92				12345.94	14518.59
9	Late Payment Surcharge	I	Rs crores	308.00	294.06					
10	Amount realized by the Distribution Licensee out of the amount Billed at H	J	Rs crores	6402.56	7299.18			0.00	8164.89	9601.75
11	Subsidy Amount Received	K	Rs crores	3,226.14	3,376.16			3,289.09	3,324.80	3,324.80
12	Amount Realised on account of theft cases	L	Rs crores							
13	Energy Realized on account of theft cases	M=(LXG)/H	MU	0	0			#DIV/0!	0	0
14	Collection Efficiency (%)	$N = \frac{(J - I + K + L)}{(H + K + L)} \times 100$	%	71%	72%			100%	73%	72%
15	Energy Realized by the Distribution Licensee	P=NXG	MU	14670.12	14978.109			21,237.26	15,749.00	17,052.38
16	Distribution Loss (%)	$Q = \frac{(D - G)}{D} \times 100$	%	23.16%	16.43%			12%	19%	18%
17	AT&C Loss (%)	$R = \frac{(D - (P + M))}{D} \times 100$	%	45.7%	39.81%			#DIV/0!	41%	41%

Form No: P4

PuVVNL

Analysis of Revenue Arrears

S.No.	Particulars	Arrears at the beginning of the year	Billed during the year	Realised during the year	Arrears at the end of year	Percentage increase (+) Decrease (-)	NOTES:
FY 2016-17							
1	Sale of power within State	14269.43	9320.19		18707.14		
2	Sale of power inter state						
3	Electricity duty						
4	Dues from permanently disconnected consumers having arrears more than 10 lacs						
5	Dues from permanently disconnected consumers having arrears less than 10 lacs						
6	Miscellaneous receipts from consumers						
7	Less provision for doubtful dues from consumers	1685.14			1907.03		
8	Total (1+2+3+4+5+6-7)	12584.29	9320.19	5104.37	16800.11	34%	
9	Details of litigation/disputes having dues more than Rs.10 lacs						
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears						
FY 2017-18							
1	Sale of power within State	18707.14	9962.73		22454.69		
2	Sale of power inter state						
3	Electricity duty						
4	Dues from permanently disconnected consumers having arrears more than 10 lacs						
5	Dues from permanently disconnected consumers having arrears less than 10 lacs						
6	Miscellaneous receipts from consumers						
7	Less provision for doubtful dues from consumers	1907.03			2094.40		
8	Total (1+2+3+4+5+6-7)	16800.11	9962.73	6402.56	20360.28	21%	
9	Details of litigation/disputes having dues more than Rs.10 lacs						
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears						
FY 2018-19							
1	Sale of power within State	22454.69	11036.93		26389.16		
2	Sale of power inter state						
3	Electricity duty						
4	Dues from permanently disconnected consumers having arrears more than 10 lacs						
5	Dues from permanently disconnected consumers having arrears less than 10 lacs						
6	Miscellaneous receipts from consumers						
7	Less provision for doubtful dues from consumers	2094.40			2291.13		
8	Total (1+2+3+4+5+6-7)	20360.28	11036.93	7299.18	24098.04	18%	
9	Details of litigation/disputes having dues more than Rs.10 lacs						
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears						
FY 2019-20							
1	Sale of power within State	26389.16	11641.41		3357.34		
2	Sale of power inter state						
3	Electricity duty						
4	Dues from permanently disconnected consumers having arrears more than 10 lacs						
5	Dues from permanently disconnected consumers having arrears less than 10 lacs						
6	Miscellaneous receipts from consumers						
7	Less provision for doubtful dues from consumers	2291.13			2455.73		
8	Total (1+2+3+4+5+6-7)	24098.04	11641.41	34837.84	901.61	-96%	
9	Details of litigation/disputes having dues more than Rs.10 lacs						
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears						

Note:

Details to be provided for past 2 Years and True-Up year.

For arrears of 10 Lakh and above also provide consumer wise details

Consumer Complaint

S.No	Type of Complaint	NO. OF COMPLAINTS RECEIVED DURING							
		Past year		Past year data		Past year data		True- Up	
		FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20	
		First six months	Second six months	First six months	Second six months	First six months	Second six months	First six months	Second six months
1	Interruption due to problem in LT supply	No data available as AppSavy has been initiated in April 2017							
	(Fuse off call at aerial cutouts/Sealable cutouts,snapping of wires,falling of trees on overhead lines,fire due to short circuit of LT lines consequent to loose spans and touching of tree branches)			11761	3312	38452	21548	108532	33956
2	Problems in metering and meter reading								
	(Delay in replacement of non-recording meters, replacement of burnt out meter, replacement of meters recording excess consumption due to creeping, breakage of seals provided to the meter, mistakes in totaling by the MR while issuing the bills, wrong noting)			58	151	1273	2883	4074	6603
3	Errors in billing								
	(Excessive billing, amount already paid by consumer shown as arrears, wrong application of tariff, posting of wrong initial reading, showing the short claims in the monthly bill without furnishing the details to the consumer, wrong postings, i.e. postings	826	1315	3641	6993	8373	8124		
4	Any other								
		28143	15944	52800	33868	91822	44340		

Form No: P7

PuVVNL

Transformer and line length details

Sl. No	Details	Past year		True- Up	APR	ARR
		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
		Trued- Up	Trued- Up	Claimed	Revised Estimates	Projected
I	Number of Sub- Stations 33/11 KV	1033	1098	1153	1203	1244
II	Number of Sub- Stations 11/0.4 KV	395429	444121	454121	455121	456321
III	Transformation Capacity					
	33/11 KV Transformers	9718	11819	11930		
	11/0.4 KV Tranformers	9896	10402	10690	11131	11784.6
IV	No of Transformers					
	33/11 KV	1303	1343	1417	1477	
	11/0-4 KV	395429	444121	454121	455121	456321
V	Number of Feeders					
	33 KV	977	1518	2049	2418	
	11 KV	2594	2714	2824	2914	2402
	0.4 KV					
VI	Line Length					
1	33 KV	18415	19115	19615	19915	
2	11 KV	173280	178280	182280	185688	
3	0.4 KV	402393	405393	407393	408893	
VII	Capcitor Banks installed (Capacity in MVA)					

Form No: P9

Name of Distribution Licensee

Failure of Transformers

S.No	Particulars	Past Year FY 2017-18			Past Year FY 2018-19			True-Up FY 2019-20			Reasons For Failure & Corrective Actions proposed to minimise
		Total numbers of Transformers	Transformers damaged	%	Total numbers of Transformers	Transformers damaged	%	Total numbers of Transformers	Transformers damaged	%	
		1	Power Transformer (HT)								
	Rating										
	i 3 MVA	41	0	0.00%	41	1	2.44%	41	3	7.32%	
	ii 5 MVA	876	45	5.14%	909	101	11.11%	917	76	8.29%	
	iv 8 MVA	137	0	0.00%	137	10	7.30%	137	8	5.84%	
	v 10 MVA	356	13	3.65%	366	16	4.37%	367	34	9.26%	
2	Distribution Transformers										
	Rating										
	i 10 KVA	133553	17638	13.21%	164316	17897	10.89%	187786	12614	6.72%	
	ii 16 KVA	3624	10	0.28%	4313	4	0.09%	27715	206	0.74%	
	iii 25 KVA	162092	37872	23.36%	194063	40289	20.76%	251336	29227	11.63%	
	iv 63 KVA	45185	14163	31.34%	53311	14672	27.52%	60040	9833	16.38%	
	v 100 KVA	15284	5672	37.11%	19064	5394	28.29%	21753	3821	17.57%	
	vi 160 KVA	631	148	23.45%	645	119	18.45%	626	53	8.47%	
	vii 250 KVA	7442	1556	20.91%	8233	1532	18.61%	9161	836	9.13%	
	viii 400 KVA	4990	1404	28.14%	5249	1521	28.98%	5728	814	14.21%	
	ix 500/630 KVA	993	253	25.48%	978	291	29.75%	1006	136	13.52%	
	x 1000 KVA	60	0	0.00%	47	0	0.00%	54	5	9.26%	
		373854	78716	21.06%	450219	81719	18.15%	565205	57545	10.18%	

Note:- Information to be provided Circle wise.

Form No: P10

PuVVNL

Electrical Accidents

Sl.No	Particulars Feeder & S/S details	Past year FY 2017-18					Past year FY 2018-19					True- Up FY 2019-20					Corrective Measures Proposed In The Ensuing Year to Avoid Accidents
		Fatal		Non-Fatal		Total	Fatal		Non-Fatal		Total	Fatal		Non-Fatal		Total	
		Human	Animal	Human	Animal		Human	Animal	Human	Animal		Human	Animal	Human	Animal		
A	HV	98	115	14	0	227	117	169	37	0	323	260	250	58	1	569	
	i																
	ii																
	iii																
B	LV	98	115	14	0	227	117	169	37	0	323	260	250	58	1	569	
	i																
	ii																
	iii																
	Total	98	115	14	0	227	117	169	37	0	323	260	250	58	1	569	

Form No: P11

Name of Distribution Licensee

Peak Demand in MW

S.No	Particulars	Past year			True-UP		APR	ARR
		FY _____	FY 2017-18	FY 2018-19	FY 2019-20		FY 2020-21	FY 2021-22
		Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Claimed	Revised Estimates	Projected
1	Peak Period							
	a) Winter		Oct.-Nov.	Oct.-Nov.		Oct.-Nov.	Oct.-Nov.	
	b) Summer		April-May	April-May		April-May	April-May	
	c) Other							
2	Maximum Peak Demand							
	a) Restricted							
	b) Unrestricted							
3	Peak Availability Assessed							
4	Shortfall in meeting Peak Demand							
	a) Restricted							
	b) Unrestricted							

Notes:- Details of Load Rostering may be provided along with this format ie. in terms of MW, MU and number of hours per day.

Form No: P12

Name of Distribution Licensee

Management and operation related Ratios

S. No	Particulars	Past year			True-UP	
		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	
		Trued- Up	Trued- Up	Trued- Up	Approved (in TO)	Claimed
A	Financial & Material Management					
1	Annual capital expenditure/net book value					
2	Distribution cost/Energy sales across consumer categories					
3	Employee cost as a percentage of total cost					
4	Operating expenses / Revenue from Sale of power			0.03		
5	Cost of capital					
6	Debt Service Coverage Ratio					
7	Stores Inventory/1000 Km of distribution lines					
9	Working Capital to Revenue from Sale of power					
B	HR Management					
1	No. of consumers per employee			1012.64		
2	Energy Sales (MU) per Employee			2.58		
3	Network Length (Km.) per Employee			74.90		
4	Connected Load (MVA) per Employee					
5	Tariff Income per Employee			1.37		
6	Training participation days per employee					
7	Employee cost per unit of retail sales			0.14		
C	Metering, Billing and Collection					
1	Number of Meters per Meter Reader					
	a) Urban					
	b) Rural					
2	Number of meter readings done per meter reader per month					
	a) Urban					
	b) Rural					
3	Meters defective & damaged / Meters in service					
4	Average level of customer arrears (days/ customer)					
5	Amount (%) involved in customer litigation cases					
6	Number (%) involved in customer litigation cases					
7	Number of computerized bills/Number of manual bills			100%/0%		
D	Operational Performance					
1	Unplanned outage/total outage (Fault breakdown / total outage)					
2	Annual replacement rate of Distribution transformers (%): (Distribution Transformers replaced / Transformers in service)					
3	Reliability Indices					
	i) System Average Interruption Frequency Index (SAIFI) *					
	ii) Average Interruption Duration Index (SAIDI)					
	iii) Momentary Average Interruption Frequency Index (MAIFI)					
E	Consumer Services					
1	No. of complaint received per year to total number of consumers (%)			0.06		
2	Ratio of staff attending complaints per thousand consumers (Skilled /Unskilled staff separately identified)					

$$* SAIFI = \frac{(A_1 * N_1 + A_2 * N_2 + A_3 * N_3 + A_4 * N_4 + \dots + A_n * N_n)}{N_t}$$

Where,

A1, 2,3... Total number of sustained interruptions (each longer than 5 minutes) on each feeder for the month

N1, 2,3.. Connected load of each feeder affected due to each interruption

N t = Total connected load at 11KV in the Distribution Licensee's supply area of district /or substation, as per

n = number of 11KV feeders in the licensed area of supply (excluding those serving predominantly agricultural loads)/

$$** SAIDI = \frac{(B_1 * N_1 + B_2 * N_2 + B_3 * N_3 + B_4 * N_4 + \dots + B_n * N_n)}{N_t}$$

Where,

B 1,2,3... Total duration of all sustained interruptions on each feeder for the month.

N 1,2,3.. Connected load on each feeder affected due to each interruption

N t = Total connected load at 11KV in the Distribution Licensee's supply area /

n = number of 11KV feeders in the licensed area of supply (excluding those serving predominantly

$$*** MAI = \frac{(C_1 * N_1 + C_2 * N_2 + C_3 * N_3 + C_4 * N_4 + \dots + C_n * N_n)}{N_t}$$

Where,

C 1,2,3... Total number of momentary interruptions (each less than or equal to 5 minutes) on each feeder for the

N 1,2,3.. Connected load on each feeder affected due to each interruption

N t = Total connected load at 11KV in the Distribution Licensee's supply area

n = number of 11KV feeders in the licensed area of supply (excluding those serving predominantly

Note: The feeders must be segregated into rural and urban and the value of the indices must be reported separately for each

Form No: P13

Name of Distribution Licensee

Release of New service Connections

Period	FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20		Action Proposed to be taken for providing service connections in time	Remarks
	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply		
April	353470		52521		25319		115880			
May	12524		10937		163415		15296			
June	24659		62325		46473		37451			
July	11547		30313		101938		282635			
August	20188		42481		171859		207830			
September	17576		90147		301678		220797			
October	14522		45922		339062		33842			
November	13078		84344		357757		38574			
December	15025		33668		109961		33377			
January	7852		43218		132971		97481			
February	6055		31482		241771					
March	24533		49013		198274					
Total	521029		576371		2190478		1083163			

*To be filed for the past 2 years, True- Up and APR.

S. No	Category	FY 2016-17				FY 2017-18				FY 2018-19				FY 2019-20				FY 2020-21				FY 2021-22			
		Total number of Consumers	Number of unmetered consumers	Number of consumers with defective meters	Number of consumers whose meters are not readable	Total number of Consumers	Number of unmetered consumers	Number of consumers with defective meters	Number of consumers whose meters are not readable	Total number of Consumers	Number of unmetered consumers	Number of consumers with defective meters	Number of consumers whose meters are not readable	Total number of Consumers	Number of unmetered consumers	Number of consumers with defective meters	Number of consumers whose meters are not readable	Total number of Consumers	Number of unmetered consumers	Number of consumers with defective meters	Number of consumers whose meters are not readable	Total number of Consumers	Number of unmetered consumers	Number of consumers with defective meters	Number of consumers whose meters are not readable
1	Domestic (LMV-1)					4977410	2242122	610680	947594	7344661	1652522			7526727	1240956			7717101	0			8102853	0		
A.	Rural Schedule																								
I.	Metered																								
II.	Un Metered																								
B.	Other Metered																								
C.	Registered Societies																								
2	Non Domestic Light Fan and Power (LMV-2)					398416	37866	51978	85557	409879	30174			417437	26539			425251	0			446498	0		
A.	Rural Schedule																								
I.	Metered																								
II.	Un Metered																								
B.	Other Metered																								
3	Public Lamps (LMV-3)					322	29	2	4	273	34			348	29			352	0			367	0		
I.	Un Metered Supply																								
II.	Metered Supply																								
4	Light Fan and Power for Public Institutions and Private institutions.(LMV-4)					17945	0	6919	7162	18950	0			22038	0			22258	0			23179	0		
I.	Public Institution																								
II.	Private Institution																								
5	SMALL POWER FOR PRIVATE TUBE WELL/ PUMPING SETS FOR IRRIGATION PURPOSES:					277213	257260	6570	6207	299860	275148			305833	281151			311933	286774			327496	301113		
A.	Consumers getting supply as per "Rural Schedule"																								
I.	Un-Metered Supply																								
II.	Metered Supply																								
B.	Energy Efficient Pumps																								
I.	Consumers getting supply as per "Urban Schedule (Metered Supply)"																								
6	SMALL AND MEDIUM POWER:					33009	0	4868	7264	31873	0			30172	0			30619	0			31677	0		
(a)	Consumers getting supply other than "Rural Schedule"																								
(b)	Consumers getting supply as per "Rural Schedule"																								
7	Public Water Works (LMV-7)					3042	0	78	136	6089	0			3352	0			3419	0			3528	0		
I.	Other than Rural Schedule																								
II.	Rural Schedule																								
8	STW, PANCHAYTI RAJ TUBE WELL & PUMPED CANALS:					11369	11168	1	4	11255	10966			11596	11123			11605	0			12186	0		
I.	Metered																								
II.	Un Metered																								
9	Temporary Supply (LMV-9)					113	0	0	53	114	0			282	0			285	0			293	0		
I.	Un Metered																								
II.	Metered																								
10	Departmental Employees (LMV-10)					25539	25539	8	26	24797	24797			29407	29407			29995	29995			30595	30595		
11	Non-Industrial Bulk Loads (HV-1)					698	0	0	0	765	0			843	0			858	0			896	0		
12	Large and Heavy Power (HV-2)					796	0	7	32	1162	0			1148	0			1171	0			1207	0		
13	RAILWAY TRACTION & METRO RAIL:					10	0	0	0	3	0			0	0			1	0			1	0		
14	Lift Irrigation (HV-4)					68	0	1	0	68	0			32	0			32	0			33	0		

PuVVNL Templates

Name of Distribution Licensee		FY 2019-20 APR Year			FY 2020-21	FY 2020-21	FY 2021-22
	Particulars	Approved (in T	Audited	Claimed	Approved	APR	ARR
I.	Power Purchase or Energy Available at Discom Periphery (MU)	25,794.89	26,651.59	24,188.23	25,309.86	26,584.16	28,705.56
II.	Sale of Power (MU)	22,647.91	21,237.26	21,237.26	22,315.70	21,480.00	23,538.56
III.	Distribution Loss (%)	0.12	0.20	0.12	0.12	0.19	0.18
		-	-	-	-	-	-
A.	Receipts	-	-	-	-	-	-
a	Revenue from Tariff and Misc. Charges at current tariff rates	13,057.69	11,641.41	11,641.41	13,588.44	12,345.94	14,518.59
	Total Receipts (A)	13,057.69	11,641.41	11,641.41	13,588.44	12,345.94	14,518.59
B	Expenditure						
a	Cost of Power Procurement	12,359.22	12,919.19	11,840.63	12,815.00	12,968.38	15,279.81
	Cost of Power Procurement Expenses Profit/(Loss) Sharing	-	-	1,603.49	-	-	-
b	Transmission and Load Dispatch Charges	476.75	804.03	804.03	601.87	632.70	683.19
c	O&M Expenses	-	-	-	-	-	-
i	R&M Expense	829.67	869.83	869.83	540.11	1,442.32	1,717.03
ii	Employee Expenses net of Capitalisation	1,505.33	309.21	309.21	351.53	237.74	269.44
iii	A&G Expense (net of Capitalisation)	174.62	459.73	459.73	146.35	476.34	542.56
	Total O&M expenses (i+ii+iii)	2,509.62	1,638.77	1,638.77	1,037.99	2,156.39	2,529.03
	O&M Expenses Profit/(Loss) Sharing	-	-	451.38	-	-	-
	Total O&M expenses (including sharing)	2,509.62	1,638.77	2,090.15	1,037.99	2,156.39	2,529.03
	Smart Metering OPEX	-	-	-	-	-	-
	UPPCL O&M expenses	-	-	-	-	-	-
d	Depreciation	393.10	549.41	243.17	317.80	383.35	460.63
e	Interest on Loan (net of Capitalisation)	527.94	648.99	388.98	181.95	442.52	448.95
	Interest on Security Deposit from Consumers and Distribution system Users	33.38	24.25	24.25	21.66	21.66	22.68
	Finance/Bank Charges	32.26	8.40	8.40	-	-	-
f	Interest on Working Capital	300.59	849.85	316.12	142.00	186.05	196.45

g	Bad Debts	261.71	165.44	164.61	242.20	313.41	356.87
h	Contribution towards Contingency Fund	-	-	-	-	-	-
i	Return on Equity	461.48	-	476.32	449.81	588.65	673.82
j	Income Tax	-	-	-	-	-	-
	Total Expenditure (B)	17,356.05	17,608.33	17,960.15	15,810.28	17,693.12	20,651.42
		-	-	-	-	-	-
C	Deductions	-	-	-	-	-	-
a	Income from other Business	-	-	-	-	-	-
b	Non tariff income	18.93	284.88	284.31	13.14	12.57	12.57
C	Revenue from Open Access Customers	-	-	0.57	0.57	0.57	0.57
	Total Other Deductions (C)	18.93	284.88	284.88	13.71	13.14	13.14
D	Net Annual Revenue Requirement of Licensee(B-C)	17,337.12	17,323.44	17,675.27	15,796.57	17,679.97	20,638.28
E	Shortfall/Excess before tariff revision impact (A-D)	(4,279.43)	(5,682.03)	(6,033.86)	(2,208.13)	(5,334.03)	(6,119.69)
F	Tariff Revision Impact						
G	Shortfall/Excess after tariff revision impact (E+F)	(4,279.43)	(5,682.03)	(6,033.86)	(2,208.13)	(5,334.03)	(6,119.69)
	Govt. Subsidy Received/Declared	2,958.41	3,289.09	3,289.09	3,324.80	3,324.80	3,324.80
	Additional Subsidy computed by UPERC	-	-	-	-	-	-
H	Total Subsidy	2,958.41	3,289.09	3,289.09	3,324.80	3,324.80	3,324.80
I	(Shortfall)/Excess (G-H)	(1,321.02)	(2,392.94)	(2,744.77)	1,116.67	(2,009.23)	(2,794.89)

Note: Rows can be added wherever required

Energy Balance

S.No.	Particulars	Units	Formulae	APR			ARR		
				FY 2019-20			FY 2020-21		FY 2021-22
				Approved (in TO)	Audited	Claimed	Approved (in TO)	Revised Estimated	Projected
A	Billed Energy	MU		22,647.91	21,237.26	21,237.26	22,315.70	21,480.00	23,538.56
	Overall Distribution Losses								
B	Percentage	%		12.20%	20.32%	12.20%	11.83%	19.20%	18.00%
C	Quantum	MU	$C=(A/(1-B))-A$	3,146.98	5,414.33	2,950.96	2,994.16	5,104.16	5,167.00
D	Energy requirement at Discom Periphery	MU	$D=A+C$	25,794.89	26,651.59	24,188.23	25,309.86	26,584.16	28,705.56
	Intra State Transmission Losses								
E	Percentage	%		3.56%	3.43%	3.43%	3.40%	3.40%	3.33%
F	Quantum	MU	$F=(D/(1-E))-D$	952.20	946.62	859.12	890.82	935.67	988.82
G	Total Energy requirement at UPPTCL Periphery	MU	$G=D+F$	26,747.08	27,598.21	25,047.35	26,200.68	27,519.84	29,694.38
H	Energy Purchase from Stations connected to Intra State Transmission network (UPPTCL)	MU	H						
I	Energy Purchase from Stations connected to Inter State Transmission network	MU	I						
J	Inter State Transmission Losses	%	J	2.13%	1.63%	1.80%	1.08%	0.87%	1.17%
K	Net Energy Received from Stations connected to Inter State Transmission network at UPPTCL Periphery	MU	$K=I(1-J)$						
L	Total Energy Purchased at ex-bus	MU	$L=H+I$	27,330.53	28,056.55	25,505.69	26,487.39	27,762.71	30,045.52

Power Purchase Cost for FY 2020-21 APR Year					
Name of Discom	Sales	Distribution Losses Claimed	Energy at Discom Periphery	Differential Bulk Supply Tariff (Rs. /kWh)	Power Purchase Cost Payable to UPPCL (Rs. Crore)
	(MU)	(%)	(MU)		
PuVVNL	21,480.00	19.20%	26,584.16	4.88	12,968.38

Power Purchase Cost for FY 2021-22 ARR Year					
Name of Discom	Sales	Distribution Losses Claimed	Energy at Discom Periphery	Differential Bulk Supply Tariff (Rs. /kWh)	Power Purchase Cost Payable to UPPCL (Rs. Crore)
	(MU)	(%)	(MU)		
PuVVNL	23,538.56	18.00%	28,705.56	5.32	15,279.81

FY 2021-22 ARR Year				
S.NO.	Source of Power	Must Run/Merit	Plant Type	Variable Cost (Rs./kWh)
1	Solar (Existing)	Must Run	1	4.69
2	Solar (FY 20)	Must Run	1	3.00
3	Solar (FY 21)	Must Run	1	3.00
4	Solar (FY 22)	Must Run	1	3.00
5	Solar (FY 23)	Must Run	1	3.00
6	WIND (Existing)	Must Run	1	3.43
7	WIND (FY 20)	Must Run	1	3.43
8	WIND (FY 21)	Must Run	1	3.43
9	WIND (FY 22)	Must Run	1	3.43
10	Biomass Existing	Must Run	2	6.51
11	Biomass FY 20	Must Run	2	6.51
12	MSW FY 21	Must Run	2	7.61
13	KAPS	Must Run	1	2.36
14	NAPP	Must Run	2	3.07
15	TAPP-3 & 4	Must Run	1	3.46
16	RAPP-3 & 4	Must Run	1	3.35
17	RAPP-5 & 6	Must Run	1	3.93
18	Baggasse/Cogen/ CPP 1	Must Run	2	3.22
19	Baggasse/Cogen/ CPP 2	Must Run	2	3.22
20	RIHAND	Must Run	2	1.19
21	OBRA (H)	Must Run	2	0.79
22	MATATILA	Must Run	2	0.81
23	KHARA	Must Run	2	0.49
24	UGC	Must Run	2	2.89
25	SHEETLA	Must Run	2	2.13
26	BELKA	Must Run	2	1.77
27	BABAIL	Must Run	2	4.54
28	SALAL	Must Run	1	0.68
29	TANAKPUR	Must Run	1	1.72
30	CHAMERA-I	Must Run	1	1.21
31	URI	Must Run	1	0.88
32	CHAMERA-II	Must Run	1	1.23
33	DHAULIGANGA	Must Run	1	1.34
34	DULHASTI	Must Run	1	2.85
35	SEWA-II	Must Run	1	2.70
36	CHAMERA-III	Must Run	1	2.13
37	URI-II	Must Run	1	2.25
38	PARBATI-III	Must Run	1	1.78
39	KISHANGANGA	Must Run	1	2.18
40	PARBATI-II	Must Run	1	2.58
41	SUBANSIRI LOWER	Must Run	1	2.58
42	PAKALDUL	Must Run	1	2.58
43	TEHRI	Must Run	1	2.10
44	KOTESHWAR	Must Run	1	2.33
45	Dhukwan SHP- THDC	Must Run	2	4.97
46	VISHNUGARH PIPAL KOTHI	Must Run	1	2.58
47	RAMPUR	Must Run	1	1.63
48	NATHPA JHAKRI	Must Run	1	0.81
49	Rajghat Hydro	Must Run	1	2.58
50	VISHNU PRAYAG	Must Run	1	1.09
51	KARCHAM	Must Run	1	1.36
52	TEESTA-III	Must Run	1	2.29
53	SRI NAGAR HEP	Must Run	1	2.53
54	KOLDAM HPS	Must Run	1	2.50
55	TAPOVAN VISHNUGARH	Must Run	1	2.55
56	LATA TAPOVAN HEP	Must Run	1	2.58
57	SINGRAULI SHPS	Must Run	1	5.14
58	TALA	Must Run	1	2.20
59	Kameng HEP	Must Run	1	4.08
60	Hydro (Competitive Bidding)	Must Run	1	3.28
61	SASAN	Merit	1	1.06
62	RIHAND-3	Merit	2	1.44
63	RIHAND-2	Merit	2	1.46
64	KORBA-III STPS	Merit	1	1.40
65	RIHAND-1	Merit	2	1.46
66	KORBA-I STPS	Merit	1	1.42

67	SIPAT-I	Merit	1	1.45
68	SINGRAULI	Merit	1	1.45
69	SIPAT-II STPS	Merit	1	1.50
70	TRN ENERGY	Merit	1	1.57
71	VINDHYACHAL-IV STPS	Merit	1	1.60
72	VINDHYACHAL-III STPS	Merit	1	1.62
73	VINDHYACHAL-II STPS	Merit	1	1.62
74	VINDHYACHAL-V STPS	Merit	1	1.65
75	VINDHYACHAL-I STPS	Merit	1	1.69
76	ANPARA-D	Merit	2	1.83
77	ANPARA-B	Merit	2	1.83
78	R.K.M.POWER	Merit	1	1.92
79	LANCO	Merit	2	2.01
80	ANPARA-A	Merit	2	2.02
81	M.B.POWER	Merit	1	1.99
82	JHANOR GPS	Merit	1	2.05
83	KAWAS GPS	Merit	1	2.06
84	NABINAGAR POWER PROJECT	Merit	1	2.13
85	KHTPS-2	Merit	1	2.18
86	KHTPS-1	Merit	1	2.30
87	OBRA-A	Merit	2	#N/A
88	ROSA-1&2	Merit	2	2.56
89	Meja Thermal Power Plant	Merit	2	2.60
90	Tanda II	Merit	2	2.61
91	PRAYAGRAJ POWER	Merit	2	2.84
92	FSTPS	Merit	1	2.76
93	MAUDA-I STPS	Merit	1	2.85
94	FGUTPS-4	Merit	2	3.03
95	LALITPUR	Merit	2	3.05
96	SOLAPUR TPS	Merit	1	2.93
97	MAUDA-II STPS	Merit	1	2.94
98	FGUTPS-1	Merit	2	3.12
99	KSK MAHANADI	Merit	1	3.01
100	SINGRAULI STAGE III	Merit	1	#N/A
101	FGUTPS-2	Merit	2	3.16
102	Panki Extension	Merit	2	3.20
103	HARDUAGANJ EXT. Stage II	Merit	2	3.20
104	OBRA-C	Merit	2	3.20
105	Jawaharpur	Merit	2	3.20
106	KHURJA STPP	Merit	2	3.20
107	Ghatampur	Merit	2	3.20
108	BEPL KUNDRAKHI	Merit	2	3.20
109	FGUTPS-3	Merit	2	3.21
110	TANDA TPS	Merit	2	3.28
111	BEPL MAQSOODAPUR	Merit	2	3.38
112	BEPL UTRAULA	Merit	2	3.40
113	BEPL KHAMBHAKHERA	Merit	2	3.50
114	BEPL BARKHERA	Merit	2	3.51
115	NCTPS-1	Merit	1	3.42
116	HARDUAGANJ EXT.	Merit	2	3.56
117	NCTPS-2	Merit	1	3.55
118	HARDUAGANJ	Merit	2	3.69
119	PARICHHA EXT. STAGE-II	Merit	2	3.72
120	Indira Gandhi STPS, Jhajjar	Merit	1	3.62
121	PARICHHA EXT.	Merit	2	3.79
122	DADRI GPS	Merit	2	3.82
123	AURAIYA GPS	Merit	2	4.40
124	ANTA GPS	Merit	1	4.37
125				
126	Short Term Sources	Merit	1	3.28

* 1- Interstate ; 2- intrastate

Summary of Power Purchase from Own Stations and Other Sources

SI No	Source	Claimed in APR								Claimed in ARR						
		MW Available	Total Units (MU)	Fixed Charges (Rs. Crs)	Per Unit FC (Rs./Unit)	Energy Charges (Rs. Crs)	Per Unit EC (Rs./Unit)	Other cost (Rs Crs.)	Total cost (Rs Crs.)	MW Available	Total Units (MU)	Fixed Charges (Rs. Crs)	Per Unit FC (Rs./Unit)	Energy Charges (Rs. Crs)	Per Unit EC (Rs./Unit)	Total cost (Rs Crs.)
	Long term Sources															
	Power procured from own Generating Stations (if any)															
	From State Generating Stations Thermal															
	ANPARA-A	630	3,250.17	258.55	0.80	627.70	1.93	1.10	887.36	630	3,622.72	401.14	1.11	730.39	2.02	1,131.53
	ANPARA-B	1000	6,914.77	315.42	0.46	1,224.83	1.77	-	1,540.25	1000	6,797.77	402.34	0.59	1,246.54	1.83	1,648.87
	PANKI	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-
	PARICHHA	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-
	PARICHHA EXT.	420	1,186.20	333.66	2.81	431.32	3.64	-	764.98	420	-	436.03	-	-	-	436.03
	OBRA-A	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-
	OBRA-B	1000	3,854.64	309.07	0.80	927.02	2.40	-	1,236.09	1000	-	320.49	-	-	-	320.49
	HARDUAGANJ	110	9.93	36.15	36.41	3.67	3.70	-	39.82	110	-	103.21	-	-	-	103.21
	HARDUAGANJ EXT.	500	2,087.86	532.38	2.55	725.66	3.48	-	1,258.04	500	535.23	695.72	13.00	190.60	3.56	886.32
	PARICHHA EXT. STAGE-II	500	1,792.42	486.27	2.71	648.63	3.62	-	1,134.90	500	226.21	651.82	28.81	84.24	3.72	736.05
	ANPARA-D	1000	3,082.88	508.94	1.65	556.78	1.81	-	1,065.71	1000	4,541.67	1,422.78	3.13	832.05	1.83	2,254.83
	Panki Extension	660	-	-	-	-	-	-	-	660	-	-	-	-	-	-
	HARDUAGANJ EXT. Stage II	660	-	-	-	-	-	-	-	660	73.30	788.66	107.59	23.46	3.20	812.12
	OBRA-C	1320	-	-	-	-	-	-	-	1320	-	-	-	-	-	-
	UPRVUNL Consolidated	-	-	-	-	-	-	47.86	47.86	-	-	-	-	-	-	-
	Sub-Total	7,800.00	22,178.87	2,780.44	-	5,145.61	-	48.96	7,975.01	7800	15,796.90	5,222.18	-	3,107.27	-	8,329.45
	From State Generating Stations Hydro															
	RIHAND	255	685.87	16.51	0.24	70.09	1.02	22.51	109.12	255	462.54	42.93	0.93	55.15	1.19	98.08
	OBRA (H)	99	345.83	8.92	0.26	23.73	0.69	0.51	33.15	99	217.07	10.37	0.48	17.09	0.79	27.45
	MATATILA	20	67.15	2.69	0.40	4.58	0.68	0.00	7.27	20	59.57	2.96	0.50	4.80	0.81	7.76
	KHARA	57.6	283.24	11.99	0.42	13.12	0.46	0.34	25.45	57.6	243.64	13.57	0.56	12.01	0.49	25.58
	UGC	13.7	25.09	-	-	7.10	2.83	-	7.10	13.7	21.84	-	-	6.31	2.89	6.31
	SHEETLA	3.6	2.49	-	-	0.48	1.92	-	0.48	3.6	2.23	-	-	0.48	2.13	0.48
	BELKA	3	3.13	-	-	0.58	1.86	-	0.58	3	1.91	-	-	0.34	1.77	0.34
	BABAIL	3	0.30	-	-	0.04	1.41	0.23	0.27	3	1.33	0.25	1.91	0.60	4.54	0.86
	Sub-Total	454.90	1,413.10	40.11	-	119.72	-	23.59	183.43	454.9	1,010.12	70.08	0.69	96.77	0.96	166.85
	From Central Sector Generating Stations															
	Thermal (NTPC)															
	ANTA GPS	91.2	232.18	54.35	2.34	99.38	4.28	0.43	154.16	91.2	-	76.22	-	-	-	76.22
	AURAIYA GPS	212.67	373.04	108.38	2.91	157.00	4.21	9.56	274.95	212.67	-	149.53	-	-	-	149.53
	DADRI GPS	245.61	846.94	115.11	1.36	310.92	3.67	12.24	438.26	245.61	63.85	159.36	24.96	24.36	3.82	183.72
	JHANOR GPS	0	1.92	0.19	0.96	0.39	2.04	-	0.58	0	-	-	-	-	-	-
	KAWAS GPS	0	2.00	0.15	0.76	0.40	2.02	-0.00	0.56	0	-	-	-	-	-	-
	TANDA TPS	440	1,250.40	366.51	2.93	401.31	3.21	29.75	797.57	440	537.43	483.48	9.00	176.34	3.28	659.82
	FGUTPS-1	250	737.89	185.08	2.51	231.90	3.14	18.40	435.38	250	754.55	245.37	3.25	235.36	3.12	480.73
	FGUTPS-2	129	399.11	93.17	2.33	127.63	3.20	13.28	234.08	129	356.38	123.29	3.46	112.49	3.16	235.78
	FGUTPS-3	63	268.40	61.36	2.29	86.26	3.21	9.29	156.91	63	118.29	81.20	6.86	37.92	3.21	119.12
	FGUTPS-4	223	958.98	253.68	2.65	291.69	3.04	23.96	569.33	223	735.13	284.06	3.86	222.98	3.03	507.04
	FSTPS	0	210.04	19.04	0.91	57.01	2.71	1.47	77.53	0	-	-	-	-	-	-
	KHTPS-1	0	349.41	52.20	1.49	78.88	2.26	0.28	131.37	0	-	-	-	-	-	-
	KHTPS-2	150	934.15	155.57	1.67	200.36	2.14	3.30	359.23	150	1,605.38	252.69	1.57	349.97	2.18	602.66
	NCTPS-1	84	245.41	55.70	2.27	82.49	3.36	1.16	139.34	84	90.61	73.81	8.15	30.96	3.42	104.77
	NCTPS-2	98	262.05	117.23	4.47	92.45	3.53	6.93	216.62	98	153.94	155.43	10.10	54.61	3.55	210.04
	RIHAND-1	326	1,988.76	186.30	0.94	280.55	1.41	0.51	467.36	326	2,399.59	263.82	1.10	351.32	1.46	615.15
	RIHAND-2	296	2,306.32	156.75	0.68	324.32	1.41	7.70	488.77	296	2,208.96	205.18	0.93	321.47	1.46	526.65
	RIHAND-3	320	2,632.78	343.07	1.30	365.52	1.39	14.78	723.37	320	2,604.75	413.44	1.59	374.14	1.44	787.58
	SINGRAULI	754	4,751.38	352.81	0.74	669.96	1.41	-	1,022.77	754	5,634.07	469.37	0.83	818.36	1.45	1,287.73
	KORBA-I STPS	0	17.95	1.21	0.68	2.50	1.39	0.01	3.73	0	-	-	-	-	-	-
	KORBA-III STPS	0	9.53	1.25	1.31	1.31	1.37	0.03	2.58	0	-	-	-	-	-	-
	MAUDA-I STPS	0	3.91	3.44	8.80	1.11	2.85	0.17	4.72	0	-	-	-	-	-	-
	MAUDA-II STPS	0	10.12	4.29	4.24	2.96	2.92	0.12	7.37	0	-	-	-	-	-	-
	SOLAPUR TPS	0	2.91	4.18	14.35	0.84	2.88	0.02	5.04	0	-	-	-	-	-	-
	SIPAT-I	0	33.64	4.58	1.36	4.80	1.43	0.04	9.41	0	-	-	-	-	-	-
	SIPAT-II STPS	0	11.58	1.48	1.28	1.71	1.47	0.01	3.20	0	-	-	-	-	-	-
	VINDHYACHAL-I STPS	0	16.53	1.54	0.93	2.76	1.67	-	4.31	0	-	-	-	-	-	-
	VINDHYACHAL-II STPS	0	12.05	0.93	0.78	1.94	1.61	0.00	2.88	0	-	-	-	-	-	-
	VINDHYACHAL-III STPS	0	13.20	1.48	1.12	2.11	1.60	-0.06	3.52	0	-	-	-	-	-	-

SI No	Source	Claimed in APR								Claimed in ARR							
		MW Available	Total Units (MU)	Fixed Charges (Rs. Crs)	Per Unit FC (Rs./Unit)	Energy Charges (Rs. Crs)	Per Unit EC (Rs./Unit)	Other cost (Rs Crs.)	Total cost (Rs Crs.)	MW Available	Total Units (MU)	Fixed Charges (Rs. Crs)	Per Unit FC (Rs./Unit)	Energy Charges (Rs. Crs)	Per Unit EC (Rs./Unit)	Total cost (Rs Crs.)	
	VINDHYACHAL-IV STPS	0	16.92	2.94	1.74	2.68	1.58	0.01	5.63	0	-	-	-	-	-	-	
	VINDHYACHAL-V STPS	0	9.22	1.69	1.83	1.51	1.63	-0.03	3.17	0	-	-	-	-	-	-	
	Tanda II	943.4568	2,497.86	543.25	2.17	630.60	2.52	17.06	1,190.91	943.4568	6,621.04	1,127.37	1.70	1,727.52	2.61	2,854.89	
	Indira Gandhi STPS, Jhajar	0	227.36	25.04	1.10	80.74	3.55	0.36	106.14	0	-	-	-	-	-	-	
	URS Power	35	-	-	-	-	-	-	-	35	-	41.82	-	-	-	41.82	
	GADARWARA STPS-I		10.61	4.50	4.24	2.96	2.79	0.00	7.47		-	-	-	-	-	-	
	LARA STPS-I		-	-	-	-	-	-97.79	-97.79		-	-	-	-	-	-	
	KHARGONE STPS		-	-	-	-	-	-	-		-	-	-	-	-	-	
	NTPC CONSOLIDATED		-	-	-	-	-	-	-		-	-	-	-	-	-	
	Sub-Total	4,660.94	21,644.56	3,278.45	1.51	4,598.96	2.12	73.00	7,950.41	4660.9368	23,883.97	4,605.45	1.93	4,837.80	2.03	9,443.26	
	NPCIL																
	KAPS	0	5.50	-	-	1.30	2.36	0.04	1.34	0	-	-	-	-	-	-	
	NAPP	138	1,133.91	-	-	344.63	3.04	2.20	346.82	138	1,130.24	-	-	346.88	3.07	346.88	
	TAPP-3 & 4	0	16.80	-	-	5.51	3.28	1.78	7.29	0	-	-	-	-	-	-	
	RAPP-3 & 4	66	518.63	-	-	172.58	3.33	-0.44	172.14	66	528.56	-	-	177.08	3.35	177.08	
	RAPP-5 & 6	86	787.18	-	-	306.32	3.89	-	306.32	86	827.27	-	-	325.18	3.93	325.18	
	Sub-Total	290.00	2,462.01	-	-	830.33	3.37	3.58	833.92	290	2,486.07	-	-	849.14	3.42	849.14	
	Hydro (NHPC)																
	SALAL	48	249.86	18.85	0.75	16.53	0.66	35.45	70.84	48	232.40	23.90	1.03	15.86	0.68	39.76	
	TANAKPUR	21	88.52	20.35	2.30	14.30	1.61	0.01	34.66	21	75.97	26.60	3.50	13.03	1.72	39.63	
	CHAMERA-I	109	492.88	39.44	0.80	58.32	1.18	-0.08	97.67	109	485.86	54.96	1.13	58.99	1.21	113.95	
	URI	96	616.26	50.70	0.82	52.29	0.85	-0.06	102.93	96	576.84	70.22	1.22	50.51	0.88	120.74	
	CHAMERA-II	62	173.04	15.10	0.87	20.20	1.17	0.04	35.34	62	380.54	54.19	1.42	46.73	1.23	100.91	
	DHAULIGANGA	56	290.51	38.86	1.34	37.91	1.31	0.03	76.81	56	274.77	45.14	1.64	36.82	1.34	81.96	
	DULHASTI	85	591.22	138.03	2.33	158.64	2.68	0.05	296.72	85	595.40	180.40	3.03	169.56	2.85	349.96	
	SEWA-II	27	143.08	38.56	2.70	39.84	2.78	-0.00	78.39	27	145.23	49.86	3.43	39.22	2.70	89.09	
	CHAMERA-III	47	245.17	49.06	2.00	46.99	1.92	0.03	96.08	47	249.94	81.63	3.27	53.16	2.13	134.79	
	URI-II	51	379.33	67.64	1.78	65.07	1.72	-0.09	132.63	51	353.70	135.30	3.83	79.75	2.25	215.05	
	PARBATHI-III	105	155.75	66.66	4.28	27.00	1.73	0.06	93.73	105	160.66	121.16	7.54	28.62	1.78	149.78	
	KISHANGANGA	137.6	445.16	84.14	1.89	94.76	2.13	0.08	178.98	137.6	382.85	238.70	6.23	83.50	2.18	322.19	
	PARBATHI-II	155	-	-	-	-	-	-	-	155	126.19	58.65	4.65	32.50	2.58	91.15	
	SUBANSIRI LOWER	182	-	-	-	-	-	-	-	182	893.23	-	-	230.04	2.58	230.04	
	NHPC Consolidated		-	-	-	-	-	175.28	175.28		-	-	-	-	-	-	
	PAKALDUL	200	-	-	-	-	-	-	-	200	983.55	-	-	253.30	2.58	253.30	
	Sub-Total	1381.6	3,870.79	627.41	-	631.84	-	210.80	1,470.04	1381.6	5,917.11	1,140.71	1.93	1,191.59	2.01	2,332.30	
	HYDRO (NTPC)																
	KOLDAM HPS	151.2	677.69	183.94	2.71	159.65	2.36	-	343.59	151.2	664.44	227.52	3.42	166.18	2.50	393.70	
	TAPOVAN VISHNUGARH	100	-	-	-	-	-	-	-	100	-	-	-	-	-	-	
	LATA TAPOVAN HEP	34	-	-	-	-	-	-	-	34	-	-	-	-	-	-	
	SINGRAULI SHPS	3.4	8.82	-	-	4.44	5.04	-	4.44	3.4	6.07	-	-	3.12	5.14	3.12	
	Sub-Total	288.60	686.51	183.94	2.68	164.10	2.39	-	348.04	288.6	670.51	227.52	3.39	169.30	2.52	396.82	
	HYDRO																
	TEHRI	374	1,200.27	265.15	2.21	252.56	2.10	59.41	577.12	374	1,246.41	428.84	3.44	261.76	2.10	690.60	
	KOTESHWAR	155	492.22	117.79	2.39	105.83	2.15	-4.90	218.72	155	511.39	136.21	2.66	118.90	2.33	255.12	
	Dhukwan SHP- THDC	24	50.98	-	-	24.83	4.87	-	24.83	24	119.22	-	-	59.22	4.97	59.22	
	VISHNUGARH PIPAL KOTHI	166	-	-	-	-	-	-	-	166	-	-	-	-	-	-	
	Thermal	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
	KHURJA STPP	396	-	-	-	-	-	-	-	396	-	-	-	-	-	-	
	Sub-Total	1,115.00	1,743.47	382.94	2.20	383.21	2.20	54.51	820.66	1115	1,877.02	565.05	3.01	439.89	2.34	1,004.93	
	SJVN																
	RAMPUR	56.68	323.93	77.28	2.39	54.84	1.69	164.42	296.54	56.68	327.22	82.31	2.52	53.31	1.63	135.63	
	NATHPA JHAKRI	221	1,246.06	158.90	1.28	108.51	0.87	10.27	277.68	221	1,144.29	213.49	1.87	92.38	0.81	305.87	
	Sub-Total	277.68	1,569.99	236.18	1.50	163.35	-	174.68	574.22	277.68	1,471.50	295.80	2.01	145.70	0.99	441.50	
	NEEPCO																
	Kameng HEP	55	103.04	-	-	41.22	4.00	0.02	41.25	55	270.48	-	-	110.37	4.08	110.37	
	IPP/JV																
	HYDRO																
	TALA	0	149.44	-	-	32.28	2.16	0.01	32.29	0	-	-	-	-	-	-	
	VISHNU PRAYAG	352	1,584.29	24.48	0.15	171.55	1.08	-33.56	162.47	352	1,724.05	29.67	0.17	187.41	1.09	217.07	
	KARCHAM	200	865.31	179.51	2.07	114.82	1.33	99.35	393.68	200	816.18	186.22	2.28	111.36	1.36	297.58	
	TEESTA-III	200	881.37	328.28	3.72	190.69	2.16	9.72	528.69	200	786.46	227.03	2.89	180.05	2.29	407.08	
	SRI NAGAR HEP	290.4	1,308.80	373.06	2.85	308.01	2.35	-	681.06	290.4	1,189.65	424.42	3.57	301.25	2.53	725.68	

SI No	Source	Claimed in APR								Claimed in ARR							
		MW Available	Total Units (MU)	Fixed Charges (Rs. Crs)	Per Unit FC (Rs./Unit)	Energy Charges (Rs. Crs)	Per Unit EC (Rs./Unit)	Other cost (Rs Crs.)	Total cost (Rs Crs.)	MW Available	Total Units (MU)	Fixed Charges (Rs. Crs)	Per Unit FC (Rs./Unit)	Energy Charges (Rs. Crs)	Per Unit EC (Rs./Unit)	Total cost (Rs Crs.)	
	Rajghat Hydro	18	-	-	-	-	-	-	-	18	77.84	20.43	2.63	20.05	2.58	40.48	
	Hydro (Competitive Bidding)	400	-	-	-	-	-	-	-	400	1,297.05	299.33	2.31	425.14	3.28	724.47	
	Thermal																
	Meja Thermal Power Plant	1042	1,836.67	651.52	3.55	468.21	2.55	-10.80	1,108.93	1042	7,312.60	1,245.13	1.70	1,901.42	2.60	3,146.55	
	LANCO	1100	7,141.18	563.65	0.79	1,384.80	1.94	300.77	2,249.22	1100	7,087.69	853.56	1.20	1,422.68	2.01	2,276.24	
	BEPL BARKHERA	90	147.33	108.60	7.37	51.01	3.46	70.08	229.69	90	66.80	144.66	21.66	23.44	3.51	168.10	
	BEPL KHAMBHAKHERA	90	148.36	111.59	7.52	50.83	3.43	0.03	162.46	90	68.94	146.19	21.20	24.11	3.50	170.30	
	BEPL KUNDRAKHI	90	193.76	114.46	5.91	60.32	3.11	0.03	174.81	90	100.22	145.54	14.52	32.11	3.20	177.65	
	BEPL MAQSOODAPUR	90	154.05	111.82	7.26	51.63	3.35	0.03	163.48	90	66.76	145.19	21.75	22.54	3.38	167.73	
	BEPL UTRAULA	90	212.01	113.70	5.36	70.94	3.35	0.03	184.67	90	70.12	149.70	21.35	23.86	3.40	173.56	
	KSK MAHANADI	1000	5,084.61	1,467.61	2.89	1,484.48	2.92	-92.97	2,859.12	1000	1,583.99	1,047.66	6.61	476.69	3.01	1,524.35	
	LALITPUR	1980	6,343.58	3,151.81	4.97	1,900.25	3.00	281.47	5,333.53	1980	4,611.06	4,073.53	8.83	1,404.60	3.05	5,478.13	
	M.B.POWER	361	2,108.48	600.88	2.85	411.10	1.95	1,049.89	2,061.87	361	2,431.10	899.11	3.70	484.21	1.99	1,383.32	
	PRAYAGRAJ POWER	1782	8,728.02	1,407.44	1.61	2,371.15	2.72	-7.40	3,771.19	1782	5,238.44	1,168.60	2.23	1,487.45	2.84	2,656.05	
	R.K.M.POWER	350	2,336.65	609.89	2.61	442.32	1.89	52.16	1,104.37	350	1,588.57	550.01	3.46	305.51	1.92	855.52	
	ROSA-1&2	1200	6,125.35	1,163.64	1.90	1,584.96	2.59	269.54	3,018.14	1200	6,235.65	1,658.89	2.66	1,595.72	2.56	3,254.61	
	SASAN	495	3,792.91	50.76	0.13	406.03	1.07	79.32	536.11	495	3,624.68	72.53	0.20	385.81	1.06	458.34	
	TRN ENERGY	390	1,464.07	242.25	1.65	228.42	1.56	456.73	927.41	390	2,229.56	521.10	2.34	350.07	1.57	871.17	
	NABINAGAR POWER PROJECT		379.87	133.51	3.51	79.26	2.09	-8.43	204.34	209.01	977.87	166.50	1.70	208.34	2.13	374.84	
	Ghatampur	1683	-	-	-	-	-	-	-	1683	-	279.32	-	-	-	279.32	
	Sub-Total	13,293.40	50,986.11	11,508.46	2.26	11,863.07	2.33	2,516.01	25,887.54	13,502.41	49,185.28	14,454.32	2.94	11,373.81	2.31	25,828.12	
	Total	29,617.12	106,658.44	19,037.92	-	23,941.42	-	3,105.16	46,084.50	29,826.13	102,568.97	26,581.11	2.59	22,321.63	2.18	48,902.74	
	Medium term Sources																
	Short term Sources																
	Medium term Sources																
	Cogen/ Captive																
	Baggasse/Cogen/ CPP 1	1478.07	-	-	-	-	-	-	-	1478.07	6,473.95	-	-	2,081.92	3.22	2,081.92	
	Baggasse/Cogen/ CPP 2	18.94	-	-	-	-	-	-	-	18.94	27.50	-	-	8.84	3.22	8.84	
	Cogen/ Captive	1,497.01															
	Bilateral & Others (Power purchased through Trading)									0							
	Solar (Existing)	1837	-	-	-	-	-	-	-	1837	3,043.84	-	-	1,428.86	4.69	1,428.86	
	Solar (FY 20)	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
	Solar (FY 21)	1050	-	-	-	-	-	-	-	1050	1,747.62	-	-	524.29	3.00	524.29	
	Solar (FY 22)	0	-	-	-	-	-	-	-	0	522.28	-	-	156.68	3.00	156.68	
	Solar (FY 23)	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
	SOLAR FY (24)	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
	SOLAR FY 25	0	-	-	-	-	-	0.15	0.15	0	-	-	-	-	-	-	
	0	2,887.00	2,217.21			1,013.33		27.49	1,013.33	2,887.00	5,313.73			2,109.83	3.97	2,109.83	
	Non-Solar (Renewable)																
	WIND (Existing)	0	1,502.98	-	-	506.41	3.37	-	506.41		438.00	-	-	150.26	3.43	150.26	
	WIND (FY 20)	440	-	-	-	-	-	-	-	440	963.60	-	-	330.58	3.43	330.58	
	WIND (FY 21)	1510	-	-	-	-	-	-	-	1510	3,306.90	-	-	1,134.47	3.43	1,134.47	
	WIND (FY 22)	0	-	-	-	-	-	-	-	0	416.10	-	-	142.75	3.43	142.75	
	Biomass Existing	33.5	-	-	-	-	-	-	-	33.5	146.73	-	-	95.45	6.51	95.45	
	Biomass FY 20	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
	MSW FY 21	59	-	-	-	-	-	-	-	59	387.63	-	-	294.99	7.61	294.99	
	Slop based Power Project							0.05	0.05	#N/A							
	Sub-Total	2,042.50	1,502.98			506.41	3.37	0.05	506.46	9120	5,658.96			2,148.49	3.80	2,148.49	
	NVVN Thermal		772.14	-	-	234.02	3.03	8.24	242.26								
	NVVN Solar		291.89	-	-	204.59	7.01	6.61	211.20								
	REC	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
	PGCIL Charges	0	-	-	-	-	-	-	-	0	-	3,311.28	-	-	-	3,311.28	
	WUPPTCL Charges	0	-	-	-	-	-	-	-	0	-	875.68	-	-	-	875.68	
	SEUPPTCL Charges	0	-	-	-	-	-	-	-	0	-	277.50	-	-	-	277.50	
	Reactive Energy Charges	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
	Case-I Transmission Charges	0	-	-	-	-	-	-	-	0	-	2,304.71	-	-	-	2,304.71	
	STU Charges	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
	Transmission Charges							5,122.21	5,122.21								
	Less	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
	Late Payment Surcharge	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
	Grand Total	36,043.63	111,442.67	19,037.92	1.71	25,899.77	2.32	8,269.76	53,179.97	41,833.13	113,541.66	33,350.28	2.94	26,579.95	2.34	59,930.23	

CATEGORY WISE NO. OF CONSUMERS AND CONNECTED LOAD (kW) OF PuVVNL FOR FY 2019-20

Categories	No. of Consumers (Nos.)							
	True Up for FY 2018-19	Approved FY 2019-20	Claimed in True Up	Approved in Business Plan Order	Claimed in APR	Approved in Business Plan Order	Claimed in ARR	Approved
LMV-1: Domestic	7,344,661	8,079,127	7,526,727	8,003,162	7,717,101	8,507,383	8,102,853	
LMV-2: Non Domestic	409,879	418,077	417,437	440,872	425,251	467,305	446,498	
LMV-3: Public Lamps	273	273	348	348	352	348	367	
LMV-4: Institutions	18,950	19,140	22,038	22,950	22,258	23,957	23,179	
LMV-5: Private Tube Wells	299,860	317,852	305,833	314,062	311,933	322,531	327,496	
LMV 6: Small and Medium Power	31,873	31,873	30,172	31,357	30,619	32,601	31,677	
LMV-7: Public Water Works	6,089	6,089	24	3,481	3,419	3,616	3,528	
LMV-8: State Tube Wells	11,255	11,480	3,352	11,620	11,605	12,201	12,186	
LMV-9: Temporary Supply	114	114	11,596	290	285	299	293	
LMV-10: Departmental Employees	24,797	26,037	282	30,436	29,995	31,502	30,595	
LMV-11: Charging Stations for Electrical Vehicles	-	-	29,407	-	-	-	-	
HV-1: Non-Industrial Bulk Loads	765	803	-	903	858	968	896	
HV-2: Large and Heavy Power	1,162	1,220	843	1,234	1,171	1,325	1,207	
HV-3: Railway Traction	3	3	1,148	-	1	-	1	
HV-4: Lift Irrigation	68	154	-	32	32	33	33	
Bulk Consumer	-	-	32	-	-	-	-	
Extra State Consumer	-	-	-	-	1	-	1	
GRAND TOTAL	8,149,749	8,912,241	8,349,239	8,860,747	8,554,882	9,404,069	8,980,809	-

0, FY 2020-21 APR & FY 2021-22 ARR Year

Connected Load (kW)							
True Up for FY 2018-19	Approved FY 2019-20	Claimed in True Up	Approved in Business Plan Order	Claimed in APR	Approved in Business Plan Order	Claimed in ARR	Approved
9,336,746	10,737,258	10,657,823	11,274,758	10,940,422	12,003,276	11,485,410	
1,095,889	1,128,765	1,283,108	1,355,289	1,307,195	1,418,820	1,372,392	
40,516	40,516	42,321	69,004	43,205	69,004	45,104	
102,021	102,021	127,400	132,785	128,674	142,744	134,113	
1,125,606	1,193,142	1,308,655	1,342,892	1,334,732	1,378,085	1,401,274	
293,850	293,850	337,496	351,207	342,611	365,610	354,789	
234,980	234,980	4,225	134,684	112,319	140,288	116,616	
193,619	197,491	110,117	205,055	211,118	215,307	221,674	
242	242	204,709	607	3,664	625	3,774	
90,395	94,915	3,628	102,528	99,599	107,655	101,591	
-	-	97,646	-	-	-	-	
215,934	226,730	-	274,394	260,078	294,828	271,650	
358,435	376,357	255,540	271,823	258,054	292,057	268,877	
8,139	8,139	252,994	-	10,800	-	10,800	
123,926	271,748	-	141,851	140,638	143,269	142,045	
-	-	139,246	-	-	-	-	
-	-	-	-	770	-	770	
13,220,297	14,906,153	14,824,908	15,656,877	15,193,880	15,930,879	15,930,879	

CATEGORY WISE SALES FOR PuVVNL for FOR FY 2020-21 APR & FY 2021-22 ARR Year (MU)

Approved	Approved By Commission	Claimed in True_UP	Approved in Business Plan Order	Claimed in APR	Approved in Business Plan Order	Claimed in ARR
LMV-1: Domestic	12,830	12,657	13,930.06	12,460	14,749	14,532
LMV-2: Non Domestic	2,418	2,001	1,777.71	1,874	2,655	2,072
LMV-3: Public Lamps	150	100	102.66	131	228	117
LMV-4: Institutions	211	190	144.42	278	207	198
LMV-5: Private Tube Wells	1,967	2,146	2,296.31	2,429	2,357	2,253
LMV 6: Small and Medium Power	996	547	492.65	586	606	572
LMV-7: Public Water Works	387	332	345.40	391	359	344
LMV-8: State Tube Wells	1,052	1,007	1,007.68	1,098	1,110	1,098
LMV-9: Temporary Supply	-	1	0.26	9	0	1
LMV-10: Departmental Employees	90	113	237.40	108	249	115
LMV-11: Charging Stations for Electrical Vehicles	-	-	-	-	-	-
HV-1: Non-Industrial Bulk Loads	464	505	454.76	411	477	529
HV-2: Large and Heavy Power	1,447	1,155	1,039.90	1,221	1,652	1,201
HV-3: Railway Traction	125	-	-	17	-	17
HV-4: Lift Irrigation	510	482	486.48	464	491	486
Bulk Supply	-	-	-	-	-	-
Extra State Consumer	-	-	-	3	-	3
GRAND TOTAL	22,647.60	21,237.26	22,316	21,480	25,141	23,539

Distribution Losses for FY 2018-19 True Up Year					
Name of Discom	Energy at Discom Periphery	Sales	Actual distribution Loss	Distribution Loss as Approved in tariff Order	Distribution Losses Claimed
	(MU)	(MU)	(%)	(%)	(%)
PuVVNL	21,237.26	21,237.26	20.32%	12.20%	12.20%

Distribution Losses for FY 2020-21 APR Year				
Name of Discom	Energy at Discom Periphery	Sales	Distribution Loss as Approved in tariff Order	Distribution Losses Claimed
	(MU)	(MU)	(%)	(%)
PuVVNL	26,584.16	21,480.00	11.83%	19.20%

Distribution Losses for FY 2021-22 ARR Year				
Name of Discom	Energy at Discom Periphery	Sales	Distribution Losses Claimed	Distribution Loss as approved
	(MU)	(MU)	(%)	(%)
PuVVNL	28,705.56	23,538.56	11.36%	

INTEREST ON SECURITY DEPOSITS FOR PuVVNL FOR FY 2019-20 True Up Year (Rs. Crore)

Particulars	Tariff Order	Audited	Claimed	Approved
Opening Balance Security Deposits from Consumers				
Additions				
Closing Balance Security Deposits from Consumers				-
Bank Rate (%)				
Interest on Security Deposits	33.38	24.25	24.25	-

INTEREST ON SECURITY DEPOSITS FOR PuVVNL FOR FY 2020-21 APR Year (Rs. Crore)

Particulars	Approved	Claimed in APR
Opening Balance Security Deposits from Consumers		
Additions		
Projected Closing Balance Security Deposits from Consumers	487.72	487.72
Bank Rate (%)	4.65%	4.65%
Interest on Security Deposits	21.66	21.66

INTEREST ON SECURITY DEPOSITS FOR puVVNL FOR FY 2021-22 ARR Year (Rs. Crore)

Particulars	Claimed in ARR	Approved
Opening Balance Security Deposits from Consumers	487.72	
Additions	-	
Projected Closing Balance Security Deposits from Consumers	487.72	-
Bank Rate (%)	4.65%	
Interest on Security Deposits	22.68	-

FY 2019-20 True Up Year									
Particulars	Approved in FY 2019-20			Claimed			Approved upon Truing Up		
	Units wheeled (MU)	Transmission Charge (Rs./kWh)	Transmission Charges (Rs. Crore)	Units wheeled (MU)	Transmission Charge (Rs./kWh)	Transmission Charges (Rs. Crore)	Units wheeled (MU)	Transmission Charge (Rs./kWh)	Transmission Charges (Rs. Crore)
PuVVNL	25794.88	0.18	464.31	24188.23	0.33	804.03			

FY FY 2020-21 APR Year						
Particulars	Approved in FY 2020-21			Claimed in APR		
	Units wheeled (MU)	Transmission Charge (Rs./kWh)	Transmission Charges (Rs. Crore)	Units wheeled (MU)	Transmission Charge (Rs./kWh)	Transmission Charges (Rs. Crore)
PuVVNL	25,309.86	0.238	601.87	26584.16	0.238	632.70

FY 2021-22 ARR Year						
Particulars	Claimed in ARR			Approved		
	Units wheeled (MU)	Transmission Charge (Rs./kWh)	Transmission Charges (Rs. Crore)	Units wheeled (MU)	Transmission Charge (Rs./kWh)	Transmission Charges (Rs. Crore)
PuVVNL	28705.56	0.238	683.19			

Transmission Charges for FY 2021-22 ARR Year		
Charges	Claimed	Approved
PGCIL Charges	#REF!	
WUPPTCL Charges	#REF!	
SEUPPTCL Charges		
Reactive Energy Charges		
Case-1 Transmission Charges		
Sub-Total	#REF!	

Truing Up of FY 2019-20

SI No	Particular	FY 2019-20				
		Approved	Audited	Normative	Claimed	Approved
1	Employee Expenses	727.71	309.21		309.21	
2	Repair & Maintenance Expenses	829.67	869.83		869.83	
3	Administrative and General Expenses	174.62	459.73		459.73	
5	Gross O&M Expenses	1,732.00	1,638.77		1,638.77	
6	Less: Employee Expenses capitalized					
7	Less: Administrative and General Expenses capitalized					
8	Expenses Capitalised					
9	Sharing of Gains	-	-		451.38	
10	Net O&M Expenses	1,732.00	1,638.77		2,090.15	

APR of FY 2020-21

SI No	Particular	FY 2020-21			
		Approved	Normative	Claimed	Approved
1	Employee Expenses net of capitalisation	351.53	237.74	237.74	
2	Repair & Maintenance Expenses	540.11	1,442.32	1,442.32	
3	Administrative and General Expenses	146.35	476.34	476.34	
6	Gross O&M Expenses	1,037.99	2,156.39	2,156.39	-
7	Less: Employee Expenses capitalized				-
8	Less: Administrative and General Expenses capitalized				
9	Total Expense capitalised	-	-	-	-
10	Net O&M Expenses	1,037.99	2,156.39	2,156.39	-

ARR of FY 2020-21

SI No	Particular	FY 2021-22		
		Normative	Claimed	Approved
1	Employee Expenses	269.44	269.44	
2	Repair & Maintenance Expenses	1717.03	1717.03	
3	Administrative and General Expenses	542.56	542.56	
6	Gross O&M Expenses	2,529.03	2,529.03	-
7	Less: Employee Expenses capitalized			
8	Less: Administrative and General Expenses capitalized			
9	Total Expense capitalised			-
10	Net O&M Expenses	2,529.03	2,529.03	-

PuVVNL**Employee Expenses**

True Up FY 2018-19

Normative Employee Expenses

True-up Year FY 2019-20

SI No.	Particular	Approved	Claimed	Normative
A	Norms per 1000 consumers (Rs. Crore)	0	0.218	0.218
B	Number of consumers (Nos.)	8912241	8,349,215	8349215
C	Employee Expenses (consumers) (Rs. Crore)	1943	1,820.13	1820.129
D	Norms per substation (Rs. Crore)	0	0.004	0.004
E	Number of substations (Nos.)	399934	455,274	455274.000
F	Employee Expenses (substation) (Rs. Crore)	1600	1,821.10	1821.096
G	Gross Employee Expenses (C+F)/2	1,771.31	1,820.61	1,820.61
H	Less: Employee Expenses Capitalized (Rs. Crore)			
I	Add: Arrears (Rs. Crore)			
K	Net Employee Expenses (G-H+I) (Rs. Crore)	1,771.31	1,820.61	1,820.61

For ARR Year/True Up /APR From FY 2020-21

SI No.	Particular	Claimed	Normative	Approved
A	Gross Employee Expenses	237.74	237.74	
B	Employee Expense capitalised	-	-	
C	Net Employee Expenses	237.74	237.74	-

For ARR Year/True Up /APR From FY 2021-22

SI No.	Particular	Claimed	Normative	Approved
A	Gross Employee Expenses	269.44	269.44	
B	Employee Expense capitalised	-	-	
C	Net Employee Expenses	269.44	269.44	-

S.no	Particulars (Pet Submissions)	FY 2019-20 True-Up/Audited	FY 2020-21 APR	FY 2021-22 Projection
1	Salaries			
2	Additional Pay			
3	Dearness Allowance (DA)			
4	Other Allowances & Relief			
5	Add. Pay & C.Off Encashment			
6	Interim Relief / Wage Revision			
7	Honorarium/Overtime			
8	Bonus/ Exgratia To Employees			
9	Medical Expenses Reimbursement			
10	Travelling Allowance(Conveyance Allowance)			
11	Leave Travel Assistance			
12	Earned Leave Encashment			
13	Payment Under Workman's Compensation And Gratuity			
14	Subsidised Electricity To Employees			
15	Any Other Item			
16	Staff Welfare Expenses			
17	Apprentice And Other Training Expenses			
18	Contribution To Terminal Benefits			
19	Provident Fund Contribution			
20	Provision for PF Fund			
21	Any Other Items			
	Total Employee Costs		237.74	269.44
22	Less: Employee expenses capitalised		-	-
	Net Employee expenses		237.74	269.44

A&G Expenses

True Up FY 2018-19

Normative A&G Expenses

True-up Year FY 2019-20

SI No.	Particular	Approved in T.O 03.09.2019	Claimed	Normative
A	Norms per 1000 consumers (Rs. Crore)	0.026	0.026	0.026
B	Number of Consumers (Nos.)	8,912,241	8,349,215	8,349,215
C	Administration & General Expenses (consumers) (Rs. Crore)	231.72	214.57	214.575
D	Norms per Employee (Rs. Crore)	0.013	0.013	0.013
E	Number of Employee (Nos.)	8,970	8,603.00	8,603.000
F	Administration & General Expenses (Employee) (Rs. Crore)	116.61	115.28	115.280
G	Total Administration & General Expenses (C+F)/2 (Rs. Crore)	174.16	164.93	164.93

For ARR Year/True Up /APR From FY 2020-21

SI No.	Particular	Claimed	Normative	Approved
A	Gross A&G Expenses	476.34	476.34	
B	A&G Expenses Capitalised	-	-	
C	Net A&G Expenses	476.34	476.34	-

For ARR Year/True Up /APR From FY 2021-22

SI No.	Particular	Claimed	Normative	Approved
A	Gross A&G Expenses	542.56	542.56	
B	A&G Expenses Capitalised	-	-	
C	Net A&G Expenses	542.56	542.56	-

SI No	Particular	FY 2019-20 True-Up/Audited	FY 2020-21 APR	FY 2021-22 Projection
1	Lease/ Rent			
2	Insurance			
3	Revenue Stamp Expenses Account			
4	Telephone, Postage, Telegram & Telex Charges			
5	Incentive & Award To Employees/Outsiders			
6	Consultancy Charges			
7	Technical Fees			
8	Other Professional Charges			
9	Conveyance And Travelling			
10	License and Registration Fees			
11	Vehicle Expenses			
12	Security / Service Charges Paid To Outside Agencies			
13	Fee And Subscriptions Books And Periodicals			
14	Printing And Stationery			
15	Advertisement Expenses			
16	Contributions/Donations To Outside Institutes / Associations			
17	Electricity Charges To Offices			
18	Water Charges			
19	Entertainment Charges			
20	Miscellaneous Expenses			
21	Legal Charges			
22	Auditor's Fee			
23	Freight On Capital Equipments			
24	Purchase Related Advertisement Expenses			
25	Vehicle Running Expenses Truck / Delivery Van			
26	Vehicle Hiring Expenses Truck / Delivery Van			
27	Other Freight			
28	Transit Insurance			
29	Octroi			
30	Incidental Stores Expenses			
31	Fabrication Charges			
32	Interest and Finance charges such as Credit Rating charges, collection facilitation charges, financing cost of Delayed Payment Surcharge and other finance charges			
	Total A&G Expenses		476.34	542.56
	Less: A&G Expenses Capitalised		-	-
	Total A&G Expenses		476.34	542.56

PuVVNL**R&M Expenses**

For True UP FY 2019-20

Normative R&M Expenses

SI No.	Particulars	Approved	Normative as computed by Petitioner	Normative as per Commission
A	Average GFA for R&M (Rs. Crore)		15,375.38	
B	Kb		6.47%	
C	R&M Expenses (Rs. Crore)	829.67	994.79	-

For APR FY 2020-21

Normative R&M Expenses

SI No.	Particulars	Approved	Claimed	Normative
A	Average GFA for R&M (Rs. Crore)		19,616.39	19616.39
B	Kb		7.35%	7.35%
C	R&M Expenses (Rs. Crore)	540.11	1,442.32	1442.32

For ARR YearFY 2021-22

Normative R&M Expenses

SI No.	Particulars	Claimed	Normative
A	R&M Expenses (Rs. Crore)	1078.940	1078.94

After considering Grants

Rs Crore

Rs Crore

S.NO	Petitioner's submissions Name of the Assets	FY 2019-20									FY 2020-21								
		Gross Opening	Approved Accumulated Depreciation opening	Written down value opening	Addition	Deductions	Written down value closing	Gross Closing	Depreciation Rates as per UPERC Depreciation	Depreciated on during the Year	Gross Opening	Approved Accumulated Depreciation opening	Written down value opening	Addition	Deductions	Written down value closing	Gross Closing	Depreciation Rates as per UPERC Depreciation	Depreciated on during the Year
1	Land and Land Rights																		
2	Buildings																		
3	Other Civil Works																		
4	Plant & Machinery																		
5	Lines, Cable Network etc																		
6	Office Equipments																		
7	Furnitures & Fixtures																		
8	Vehicles																		
9	Total																		
10	Asset not in Possession of PuVVNL (lines,cabels..)																		
11	TOTAL																		-

Format is different from the Format UPERC uses in its Tariff Order

Capitalisation & WIP of Investments (Rs. Crs.)

Particulars		FY 2019-20 True Up Year		
		Approved in Order dated 22.01.2019	True Up Petition	True Up Allowed
Opening WIP as on 1st April	A	2599.09	5617.89	
Investments	B	1136.20	2413.12	
Employee Expenses Capitalisation	C	265.97	460.33	
A&G Expenses Capitalisation	D	0.00	0.00	
Interest Capitalisation on Interest on long term loans	E	97.97	225.36	
Total Investments	F= A+B+C+D+E	4099.23	8716.70	
Transferred to GFA (Total Capitalisation)	G=F*x%	1639.69	6431.04	
Closing WIP	H= F-G	2459.54	2285.66	

FY 2020-21 APR Year	
Approved in Order dated 03.09.2019	APR Petition
	2285.66
	3249.16
	460.33
	0.00
	225.36
	6220.51
	2899.62
	3320.89

FY 2021-22 ARR Year	
ARR Petition	Approved
3320.89	
3040.44	
460.33	
0.00	
225.36	
7047.02	
3230.23	
3816.80	

Gross Fixed Assets (Rs. Crs.)

Particulars		FY 2019-20 True Up Year		
		Approved in Order dated 22.01.2019	True Up Petition	True Up Allowed
Depreciation Rate	A		5.26%	
Opening GFA as on 1st April	B		12,752.45	
Addition to GFA during the year (Depreciable)	C		6,431.04	
Deduction from GFA during the year (Depreciable)			848.66	
Deduction from Grants	D		2686.53	
Closing GFA as on 31st March	E= B+C-D		15648.31	
Depreciation on Opening GFA + Addition during the year			366.58	

FY 2020-21 APR Year	
Approved	APR Petition
	5.26%
	8051.59
	2899.62
	171.83
	10779.39
	495.62

FY 2021-22 ARR Year	
ARR Petition	Approved
5.26%	
10779.39	
3230.23	
2172.54	
11837.07	
572.90	

Investment Funding (Rs. Crs.)

Particulars		FY 2019-20 True Up Year		
		Approved in Order dated 22.01.2019	True Up Petition	True Up Allowed
Investment	A		2413.12	
Less: Consumer Contribution	B		911.29	
Grants	C		1501.82	
Investment funded by debt and equity	D=A-B-C		0.00	
Debt Funded	70% of D		1051.28	
Equity Funded	30% of D		450.55	

FY 2019-20 APR Year	
Approved	APR Petition
	3249.16
	2361.91
	887.25
	0.00
	621.07
	266.17

FY 2021-22 ARR Year	
ARR Petition	Approved
3040.44	
2542.71	
497.73	
0.00	
348.41	
149.32	

GFA Profile

Particulars		FY 2019-20 True Up Year		
		Approved in Order dated 22.01.2019	True Up Petition	True Up Allowed
Opening GFA			12752.45	
Additions			6431.04	
Deletions			2,686.53	
Closing GFA			16496.97	
Depreciation			366.58	
Less: Dep on Assets Created through Consumer Contribution			123.45	
Net Allowable Depreciation			243.13	

FY 2019-20 APR Year	
Approved	APR Petition
	8051.59
	2899.62
	171.83
	10779.39
	495.62
	112.27
	383.35

FY 2020-21 ARR Year	
ARR Petition	Approved
10779.39	
3230.23	
2,172.54	
11837.07	
572.90	
112.27	
460.63	

Loan Profile

Particulars		FY 2019-20 True Up Year		
		Approved in Order dated 22.01.2019	True Up Petition	True Up Allowed
Opening Loan		5386.06	5596.53	
Additions (70% of Investments)		695.15	1051.28	
Less: Repayments (Depreciation allowed for the year)		393.10	243.17	
Closing Loan Balance		5688.11	6404.64	
Weighted average Rate of Interest		11.30%	6000.59	
Interest on long term Loan		527.94	0.10	
Less: Interest Capitalized		0.00	614.35	
Net Interest Charged		527.94	388.98	

FY 2019-20 APR Year	
Approved	APR Petition
	6404.64
	621.07
	383.35
	6642.37
	6523.51
	0.10
	667.88
	442.52

FY 2020-21 ARR Year	
ARR Petition	Approved
6642.37	
348.41	
460.63	
6530.15	
6586.26	
0.10	
674.31	
448.95	

Equity Profile

Particulars		FY 2019-20 True Up Year		
		Approved in Order dated 22.01.2019	True Up Petition	True Up Allowed
Opening Equity		2660.62	2438.91	
Additions (30% of Capitalization)		447.22	1076.22	
Less: Consumer Contribution				
Less: Grants				
Closing Equity		3107.84	3515.13	
Return on Equity		16%	16%	
Allowable RoE		461.48	476.32	

FY 2019-20 APR Year	
Approved	APR Petition
2875.91	3515.13
245.71	818.34
3121.61	4333.47
15%	15%
449.81	588.65

FY 2020-21 ARR Year	
ARR Petition	Approved
4333.47	
317.31	
4650.78	
15%	
673.82	

--

FY 2019-20 True Up Year

PuVVNL Scheme wise	Claimed		Deductions		Allowed	
	Investments	Capitalisation	Investments	Capitalisation	Investments	Capitalisation
Other Schemes	1,860.26	2,040.41				
RGGVY 11th Plan and 12th Plan	36.88	777.79	33.19	700.01		
DDUGJY	185.72	578.38	111.43	347.03		
RAPDRP	-	-	-	-		
IPDS	-	301.97	174.65	606.51		
SAUBHAGYA YOJNA	291.08	1,010.85	434.92	1,032.98		
Less: Employee Capitalisation (B)	724.87	1,721.64				
Less: Interest Capitalization (C)	460.33	460.33				
Total including Interest and employee capitalisation (A)	225.36	225.36	754.19	2,686.53		
Add: Employee Capitalisation (B)	2,413.12	5,745.35				
Add: Interest Capitalization (C)	460.33	460.33				
Total (D= A+B+C)	225.36	225.36	754.19	2,686.53		

FY 2020-21 APR Year

PuVVNL Scheme wise	Claimed		Deductions		Allowed	
	Investments	Capitalisation	Investments	Capitalisation	Investments	Capitalisation
Other Schemes	2,522.25	1,923.16	1,925.76	(2.63)		
RGGVY 11th Plan and 12th Plan						
DDUGJY						
RAPDRP						
IPDS						
SAUBHAGYA YOJNA						
Total including Interest and employee capitalisation (A)	2,522.25	1,923.16	1,925.76	(2.63)		
Add: Employee Capitalisation (B)	460.33	460.33				
Add: Interest Capitalization (C)	225.36	225.36				
Total (D= A+B+C)	3,207.94	2,608.86	1,925.76	(2.63)		

FY 2021-22 ARR Year

PuVVNL Scheme wise	Claimed		Deductions		Allowed	
	Investments	Capitalisation	Investments	Capitalisation	Investments	Capitalisation
Other Schemes	3,040.44	2,544.53	2,542.71	2,172.54		
RGVY 11th Plan and 12th Plan	-	-	-	-		
DDUGJY	124.84	49.94	74.90	29.96		
RAPDRP	-	-	-	-		
IPDS	319.06	127.62	191.44	76.57		
SAUBHAGYA YOJNA	283.01	113.20	169.81	67.92		
Total including Interest and employee capitalisation (A)	3,767.35	2,835.30	2,978.86	2,347.00		
Add: Employee Capitalisation (B)	460.33	460.33				
Add: Interest Capitalization (C)	225.36	225.36				
Total (D= A+B+C)	4,453.04	3,520.99	2,978.86	2,347.00		

FY fy 2019-20 True Up Year					
Particulars	True-Up for FY FY 2019-20	Approved	Audited Accounts	Claimed in True Up	Approved
PuVNL		2,958.41	3,289.09	3,289.09	

Subsidy Available from GOUP	FY 2020-21
LMV-1 Domestic light fan & power	
Dom: Rural Schedule (unmetered)	
Dom: Rural Schedule (metered) other than BPL	
SubTOTAL (LMV-1)	
LMV-5: Private Tube Wells/ Pumping Sets	
PTW: Rural Schedule (unmetered)	
PTW: Rural Schedule (metered)	
PTW: Urban Schedule (metered)	
SUBTOTAL (LMV-5)	
Total (LMV-1 + LMV-5)	3,324.80

Additional Subsidy Available from GOUP	FY 2021-22
LMV-1 Domestic light fan & power	
Dom: Rural Schedule (unmetered)	
Dom: Rural Schedule (metered) other than BPL	
SubTOTAL (LMV-1)	
LMV-5: Private Tube Wells/ Pumping Sets	
PTW: Rural Schedule (unmetered)	
PTW: Rural Schedule (metered)	
PTW: Urban Schedule (metered)	
SUBTOTAL (LMV-5)	
Total additional subsidy Available from GoUP (LMV-1 + LMV-5)	3,324.80

GROSS ALLOWABLE DEPRECIATION FOR DVVNL FOR FY 2019-20 True-Up Year (RS. CRORE)					
Particular	Approved in True Up for FY FY 2018-19 (Past Year)	Approved in True Up for FY FY 2019-20	Audited Accounts	Claimed In True Up	Approved in True Up for FY _____
Opening GFA				8776.85	
Cumulative Dep				3254.56	
Written Down Value: Opening				5522.29	
Additions to GFA				6431.04	
Deductions to GFA				848.66	
Less: Grants				2686.53	
Closing GFA				11672.70	
Gross Allowable Depreciation				366.58	
Less: Consumer Contribution				123.45	
Net Allowable Depreciation				243.13	

GROSS ALLOWABLE DEPRECIATION FOR DVVNL FOR FY 2020-21 APR Year (RS. CRORE)		
Particular	Approved	Claimed In APR
Opening GFA		
Cumulative Dep		
Written Down Value: Opening		8051.59
Additions to GFA		2899.62
Deductions to GFA		0.00
Less: Grants		171.83
Closing GFA		2727.79
Gross Allowable Depreciation		495.62
Less: Consumer Contribution		112.27
Net Allowable Depreciation		383.35

GROSS ALLOWABLE DEPRECIATION FOR DVVNL FOR FY 2021-22 ARR (RS. CRORE)		
Particular	Claimed In ARR	Approved
Opening GFA		
Cumulative Dep		
Written Down Value: Opening	10779.39	
Additions to GFA	3230.23	
Deductions to GFA	0.00	
Less: Grants	541.57	
Closing GFA	2688.65	
Gross Allowable Depreciation	572.90	
Less: Consumer Contribution amortisation	112.27	
Net Allowable Depreciation	460.63	

Interest and Finance Charges for DVVNL for FY 2019-20 True Up Year (Rs. Crore)				
Particulars	Approved in Order dated 22.01.2019	Actual as per audited accounts	Claimed	Approved upon Truing Up
A. Interest on Long Term Loans				
Gross Interest on Long Term Loan	527.94		614.35	
Less: Interest Capitalisation	97.97		225.36	
Net Interest on Long Term Loans	429.97		388.98	
B. Finance and Other charges				
Bank Charges	8.40		8.40	
Interest on Consumer Security Deposit	33.38		24.25	
Total Finance Charges	41.78		32.65	-
C. Interest on Working Capital	300.59		-	
Total (A+B+C)	772.34		421.64	-
% Capitalisation	19%		37%	

Interest and Finance Charges for DVVNL for FY 2020-21 APR Year (Rs. Crore)		
Particulars	Approved	Claimed in APR
A. Interest on Long Term Loans		
Gross Interest on Long Term Loan		667.88
Less: Interest Capitalisation		225.36
Net Interest on Long Term Loans		442.52
B. Finance and Other charges		
Bank Charges		
Interest on Consumer Security Deposit		21.66
Total Finance Charges		21.66
C. Interest on Working Capital		186.05
Total (A+B+C)		650.23
% Capitalisation		34%

Interest and Finance Charges for DVVNL for FY 2021-22 ARR Year (Rs. Crore)		
Particulars	Claimed for FY 2021-22	Approved
A. Interest on Long Term Loans		
Gross Interest on Long Term Loan	674.31	
Less: Interest Capitalisation	225.36	
Net Interest on Long Term Loans	448.95	-
B. Finance and Other charges		
Bank Charges		
Interest on Consumer Security Deposit	22.68	
Total Finance Charges	22.68	-
C. Interest on Working Capital	196.45	
Total (A+B+C)	668.08	-
% Capitalisation	33%	

CONSUMER CONTRIBUTIONS, CAPITAL GRANTS AND SUBSIDIES FOR FY 2019-20 True Up year for PuVVNL (RS. CRORE)

Particulars	Approved	Audited	Claimed	Approved upon Truing Up
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets			4,032.97	
Additions during the year			911.29	
Less: Amortisation			123.45	
Closing Balance			4,820.82	-

CONSUMER CONTRIBUTIONS, CAPITAL GRANTS AND SUBSIDIES FOR FY 2020-21 APR Year for PuVVNL (RS. CRORE)

Particulars	Approved	Claimed in APR
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets		4,820.82
Additions during the year		2,361.91
Less: Amortisation		112.27
Closing Balance		7,070.45

CONSUMER CONTRIBUTIONS, CAPITAL GRANTS AND SUBSIDIES FOR FY 2021-22 ARR Year for PuVVNL (RS. CRORE)

Particulars	Claimed in ARR	Approved
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	7,070.45	
Additions during the year	2,542.71	
Less: Amortisation	112.27	
Closing Balance	9,500.89	-

PuVVNL

Particulars	FY 2019-20 True Up year		
	Approved in order dtd 22.01.2019	True Up Petition	True Up Approved
O&M expenses for 1 month	209.14	174.18	
Two Month equivalent of expected revenue	2,366.87	2,488.42	
Maintenance spares @ 40% of R&M expenses for two month	55.31	57.99	
Gross Total	2,631.32	2,720.58	-
Less:Security deposits from consumers, if any	453.13	429.86	
Net Working Capital	2,178.19	2,290.72	-
State Bank Advance Rate (SBAR) %	13.80%	13.80%	
Interest on Working Capital	300.59	316.12	-

Note : For True-Up from FY 2020-21, the interest rate shall be allowed at a rate equal to the weighted average SBI MCLR (1 Year) prevailing during the concerned Year plus 250 basis points

Note: For APR/ARR from FY 2020-21 the interest rate shall be Rate of interest on working capital shall be simple interest and shall be equal to the SBI MCLR (1 Year) on October 01, 2019 plus 250 basis points

Particulars	FY 2020-21 APR Year		
	Approved	Petition	APR Approved
O&M expenses for 1 month	1,037.99	179.70	
Two months equivalent of expected revenue	1,698.56	1,958.84	
Maintenance spares @ 40% of R&M expenses for two month	36.01	96.15	
Gross Total	2,772.56	2,234.70	-
Less:Security deposits from consumers, if any	487.72	487.72	
Net Working Capital	2,284.84	1,746.98	-
State Bank Advance Rate (SBAR) %	10.65%	10.65%	
Interest on Working Capital	243.34	186.05	-

Particulars	FY 2021-22 ARR Year	
	Petition	ARR Approved
O&M expenses for 1 month	210.75	
One and a half month equivalent of the expected revenue from charges for use of Distribution system at the prevailing Tariff (excluding Electricity Duty)	2230.42	
Maintenance spares @ 40% of R&M expenses for two month	114.47	
Gross Total	2,555.64	-
Less:Security deposits from consumers, if any	487.72	
Net Working Capital	2,067.92	-
Interest rate (%)	9.50%	
Interest on Working Capital	196.45	-

DVVNL							
Particulars	FY 2019-20 True Up Year			FY 2020-21 APR Year		FY 2021-22 ARR Year	
	Approved	True Up Petition	Approved	Approved	APR Petition	ARR Petition	Approved
Non Tariff Income	18.93	284.88		12.57	12.57	12.57	
Prior Period Expenses							
Other Misc Expenses							
Provision for Bad and Doubtful Debts	261.71	164.61		242.20	313.41	356.87	
Finance Charges							
Interest to Consumers	24.25	33.38		21.66	21.66	21.66	
Bank/Finance Charges	8.40	32.26		32.26	-	-	
Discounts to consumers							
Total Finance Charges	32.65	65.64	-	53.92	21.66	21.66	-

Provision for Bad and Doubtful Debt FY 2019-20 True-up Year		
Particulars	Approved in Order dated 22.01.2019	Claimed In APR
PuVVNL	261.71	164.61

Provision for Bad and Doubtful Debt FY 2020-21 APR Year		
Particulars	Approved	Claimed In APR
PuVVNL	242.20	313.41

Provision for Bad and Doubtful Debt FY 2021-22 ARR Year		
Particulars	Claimed In ARR	Approved
PuVVNL	356.87	

Non Tariff Income for FY 2019-20 True Up Year		
Particulars	Approved	Claimed In APR
PuVVNL	18.93	284.88

Non Tariff Income for FY 2020-21 APR Year		
Particulars	Approved	Claimed In APR
PuVVNL	12.57	12.57

Non Tariff Income FY 2021-22 ARR Year		
Particulars	Claimed In ARR	Approved
PuVVNL	12.57	

REVENUE FROM SALE OF ENERGY

REVENUE FROM SALE OF POWER AT APPROVED (REVISED) TARIFF FOR FY 2019-20 True Up year FOR PuVVNL (RS. CRORE)						
S.No	Categories	Approved for True Up for FY FY 2018-19	Approved	Audited Accounts	Claimed in True Up for FY FY 2019-20	Approved for True Up for FY ____
A	LMV-1 Domestic light fan & power					
B	LMV-2-Non domestic light fan & power					
C	LMV-3 Public lamps					
D	LMV-4 Light, fan & power for public/private institution					
E	LMV-5 Private tube well/pumping sets					
F	LMV-6 Small & medium power upto 100 hp/75kw					
G	LMV-7 Public water works					
H	LMV-8 State tube wells & pumps canal upto 100 hp (lmv-8)					
I	LMV-9 Temporary supply					
J	LMV- 10 Departmental employees					
	LMV - 11 Charging Stations for Electric Vehicles					
K	HV-1 Non industrial bulk load					
L	HV-2 Large & heavy power above 100 bhp (75 kw)					
M	HV-3 Railway traction					
N	HV-4 Lift irrigation & p. canal above 100 bhp (75kw)					
O	Bulk Supply					
P	Miscellaneous charges from consumers					
Q	Less: Energy internally consumed					
	Sub-Total	11,132.08	13,057.69	11,641.41	11,641.41	

REVENUE FROM SALE OF POWER AT APPROVED (REVISED) TARIFF FOR FY 2020-21 APR Year FOR PuVVNL (RS. CRORE)			
S.No	Categories	Approved	Claimed in APR
A	LMV-1 Domestic light fan & power	7,575.01	6193.92
B	LMV-2-Non domestic light fan & power	1,821.81	1982.93
C	LMV-3 Public lamps	119.45	114.87
D	LMV-4 Light, fan & power for public/private institution	161.71	285.32
E	LMV-5 Private tube well/pumping sets	317.75	409.68
F	LMV-6 Small & medium power upto 100 hp/75kw	460.64	523.51
G	LMV-7 Public water works	328.19	374.73
H	LMV-8 State tube wells & pumps canal upto 100 hp (lmv-8)	898.73	600.79
I	LMV-9 Temporary supply	0.94	8.44
J	LMV- 10 Departmental employees	176.09	53.86
	LMV - 11 Charging Stations for Electric Vehicles	-	-
K	HV-1 Non industrial bulk load	483.96	430.56
L	HV-2 Large & heavy power above 100 bhp (75 kw)	790.14	914.06
M	HV-3 Railway traction	-	16.27
N	HV-4 Lift irrigation & p. canal above 100 bhp (75kw)	454.02	434.66
O	Bulk Supply	-	0.00
P	Extra State Consumer		2.36
Q	Less: Energy internally consumed		
	Sub-Total	13588.44	12345.94

REVENUE FROM SALE OF POWER FOR FY 2021-22 ARR Year FOR DVVNL (RS. CRORE)			
S.No	Categories	Claimed for FY 2021-22	Approved
A	LMV-1 Domestic light fan & power	3943.76	
B	LMV-2-Non domestic light fan & power	1059.06	
C	LMV-3 Public lamps	35.89	
D	LMV-4 Light, fan & power for public/private institution	284.76	
E	LMV-5 Private tube well/pumping sets	576.28	
F	LMV-6 Small & medium power upto 100 hp/75kw	626.86	
G	LMV-7 Public water works	343.05	
H	LMV-8 State tube wells & pumps canal upto 100 hp (lmv-8)	625.70	
I	LMV-9 Temporary supply	6.62	
J	LMV- 10 Departmental employees	76.02	
	LMV - 11 Charging Stations for Electric Vehicles	0.00	
K	HV-1 Non industrial bulk load	291.65	
L	HV-2 Large & heavy power above 100 bhp (75 kw)	2648.85	
M	HV-3 Railway traction	0.00	
N	HV-4 Lift irrigation & p. canal above 100 bhp (75kw)	128.43	
O	Bulk Supply	863.38	
P	Miscellaneous charges from consumers		
Q	Less: Energy internally consumed		
	Sub-Total	11510.31	

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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

**True-up of FY 2019-20,
APR for FY 2020-21 and
ARR for FY 2021-22 of the
Control Period from FY
2020-21 to FY 2024-25**



**PURVANCHAL VIDYUT VITRAN NIGAM
LIMITED**

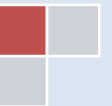


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List of abbreviations

Abbreviation	Full Form
A&G	Administration & General
ACoS	Average Cost of Supply
Act	The Electricity Act, 2003
APR	Annual Performance Review
ARR	Aggregate Revenue Requirement
ATE	Appellate Tribunal of Electricity
BPL	Below Poverty Line
BST	Bulk Supply Tariff
CAGR	Compound Annualized Growth rate
Capex	Capital Expenditure
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CGRF	Consumer Grievance Redressal Forum
CGS	Central Generating Stations
Ckt. Km	Circuit Kilometer
COD	Commercial Operation Date
Commission	Uttar Pradesh Electricity Regulatory Commission
Cr	Crore
DBST	Differential Bulk Supply Tariff
DELP	Domestic Efficient Lightening Program
Discom/DisCom	Distribution Company
DSM	Deviation Settlement Mechanism
EA 2003	The Electricity Act, 2003
EHT	Extra High Tension
ERP	Enterprise Resource Planning
FPPCA	Fuel and Power Purchase Cost Adjustment
FY	Financial Year
GFA	Gross Fixed Assets
GoUP	Government of Uttar Pradesh
HP	Horsepower
HT	High Tension
IEX	Indian Energy Exchange Limited
IPDS	Integrated Power Development Scheme
IPP	Independent Power Producer
ISTS	Inter-State Transmission System
KVA	Kilo Volt Ampere
kWh	Kilo Watt Hour
LT	Low Tension
MOD	Merit Order Dispatch

Abbreviation	Full Form
MU	Million Units
MW	Mega Watt
MYT	Multi-Year Tariff
NFA	Net Fixed Assets
NTPC	National Thermal Power Corporation
O&M	Operation and Maintenance
PGCIL	Power Grid Corporation of India Ltd.
PLF	Plant Load Factor
PLR	Prime Lending Rate
POSOCO	Power System Operation Corporation Limited
PPA	Power Purchase Agreement
R&M	Repair and Maintenance
R-APDRP	Restructured Accelerated Power Development and Reforms Programme
REC	Renewable Energy Certificate
RLDC	Regional Load Dispatch Centre
RoE	Return on Equity
RPO	Renewable Purchase Obligation
SBI PLR	SBI Prime Lending Rate
SERC	State Electricity Regulatory Commission
SLDC	State Load Dispatch Centre
SOP	Standard of Performance
T&D	Transmission & Distribution
UI	Unscheduled Interchange

1. Background and Procedural History

1.1. Background

- 1.1.1. Purvanchal Vidyut Vitaran Nigam Limited (hereinafter referred as ‘Varanasi Discom’ or ‘PuVVNL’) came in to existence in 2003 as a subsidiary company of UPPCL and is responsible for power distribution in Discom covering its jurisdiction area of the following districts: Varanasi, Ghazipur, Chandauli, Jaunpur, Sant Rabidas Nagar (Bhadohi), Mirzapur, Sonbhadra, Mau, Azamgarh, Ballia, Deoria, Kushi Nagar, Gorakhpur, Maharajganj, SantKabirNagar, Basti, SidharthNagar, Allahabad, Pratapgarh, Fatehpur and Kaushambi.

1.2. Distribution Tariff Regulations

- 1.2.1. On 12th May, 2014, the Hon’ble Commission notified the Uttar Pradesh Electricity Regulatory Commission (Multi Year Distribution Tariff) Regulations, 2014 (hereinafter referred to as “MYT Regulations 2014”) which were applicable for determination of tariff from April 1, 2015 and onwards up to FY 2019-20 [i.e., till March 31, 2020].
- 1.2.2. Subsequently, the Hon’ble Commission notified the Uttar Pradesh Electricity Regulatory Commission (Multi Year Tariff for Distribution and Transmission) Regulations, 2019 (hereinafter referred to as “MYT Regulations 2019”) which will be applicable for determination of tariff from April 1, 2020 and onwards up to FY 2024-25 [i.e., till March 31, 2025] unless extended by the Order of the Hon’ble Commission. These Regulations were signed on 23rd September 2019, however, were finally published on Hon’ble Commission’s website on 21st November 2019, after gazette notification.
- 1.2.3. These regulations are applicable for the purposes of Multi-Year Annual Revenue Requirement (ARR) filing and Tariff determination of all the distribution licensees within the State of Uttar Pradesh.

1.3. Tariff Order for FY 2020-21

- 1.3.1. The Petitioner had submitted its Business Plan Petition for the Control Period from FY 2020-21 to FY 2024-24 on 28 February 2020 and ARR and Tariff Petition for FY 2020-21 (including True-up for FY 2018-19 and APR for FY 2019-20) on 30 June 2020. In response to the same, the Hon’ble Commission has issued Business Plan Order on 27 October 2020 and Order for True-up for FY 2018-19, APR for FY 2019-20 and ARR & Tariff for FY 2020-21 on 11 November 2020.

1.4. ARR and Tariff Petition for FY 2021-22 (including True-up for FY 2019-20 and APR for FY 2020-21)

- 1.4.1. Due to Covid-19 pandemic, the Ministry of Corporate Affairs, Government of India, has extended time for holding of Annual General Meeting (AGM) for the FY 2019-20 by a period of three months (refer Annexure-2). Accordingly, the Petitioner has now got time for completion of audit and adoption of its Audited Accounts for FY 2019-20 from the AGM till end of December 2020, as against 30 September 2020. As the audited accounts for the FY 2019-20 was not available by November 2020, therefore, the Petitioner initially requested extension of two months for filing the petition from the Hon'ble Commission which was granted vide letter No. UPERC/D(T)/2020-21/Tariff/1485 dated 14.12.2020. Subsequently, the availability of audited accounts for the FY 2019-20 was further delayed, upon which on the request of the Petitioner the Hon'ble Commission again granted another one month extension for filing of the Petition vide letter No. UPERC/Secy/JD(D)/2021-22-1771 dated 09.02.2021.
- 1.4.2. Accordingly, in this Petition, the Petitioner is hereby submitting its Audited True-up for FY 2019-20 under MYT Regulations, 2014, APR petition for FY 2020-21 and ARR & Tariff petition for FY 2021-22 under MYT Regulations, 2019 along with the prescribed tariff formats.

2. True Up for FY 2019-20

2.1. Consumption Parameters: Consumer Numbers, Connected Load and Sales

2.1.1. There is deviation in approved sales and actual sales for FY 2019-20. Major reduction has been noticed in LMV-1, LMV-2, LMV-6, HV-2 and HV-3 categories. Further, sales are derivative of demand which is also uncontrollable in nature. The Category-wise approved sales vis-à-vis actual sales for FY 2019-20 is shown in the Table below:

Table 2-1: Actual consumption Parameters for FY 2019-20

Category	Approved			Actual		
	Consumers (No.)	Load (kW)	Sales (MU)	Consumers (No.)	Load (kW)	Sales (MU)
LMV-1 Domestic light fan & power	8,079,127	10,737,258	12,830.00	7,526,727	10,657,823	12,656.65
LMV-2- Non domestic light fan & power	418,077	1,128,765	2,418.00	417,437	1,283,108	2,001.20
LMV-3 Public lamps	273	40,516	150.00	348	42,321	100.06
LMV-4 Light, fan & power for public/private institution	19,140	102,021	211.00	22,038	127,400	190.31
LMV-5 Private tube well/pumping sets	317,852	1,193,142	1,967.00	305,833	1,308,655	2,146.31
LMV-6 Small & medium power upto 100 hp/75kw	31,873	293,850	996.00	30,172	337,496	547.39
LMV-7 Public water works	6,089	234,980	387.00	3,352	110,117	332.28
LMV-8 State tube wells & pumps canal upto 100 hp (lmv-8)	11,480	197,491	1,052.00	11,596	204,709	1,006.72
Lmv-9 Temporary supply	114	242	-	282	3,628	1.43
LMV- 10 Departmental employees	26,037	94,915	90.00	29,407	97,646	112.53
HV-1 Non industrial bulk load	803	226,730	464.00	843	255,540	505.29
HV-2 Large & heavy power above 100 bhp (75 kw)	1,220	376,357	1,447.20	1,148	252,994	1,155.45
HV-3 Railway traction	3	8,139	125.20	-	-	-
HV-4 Lift irrigation & p. canal above 100 bhp (75kw)	154	271,748	510.20	32	139,246	481.66
Bulk supply	-	-	-	-	-	-
Total	8,912,241	14,906,154	22,647.60	8,349,215	14,820,683	21,237.26

2.1.2. The Hon'ble Commission is requested to approve the consumption parameters as submitted in the above table.

2.2. Energy Balance

2.2.1. The Energy Balance approved by the Hon'ble Commission vis-à-vis actual and normative Energy Balance for FY 2019-20 is shown in the Table below:

Table 2-2: Energy Balance for FY 2019-20

Particulars	Approved	Actual	Normative
Retail Sales (MU)	22,647.91	21,237.26	21,237.26
Distribution Losses (%)	12.20%	20.32%	12.20%
Energy at DISCOM Periphery for Retail Sales (MU)	25,794.88	26,651.59	24,188.23
Intra-State Transmission Losses %	3.56%	3.43%	3.43%
Energy Available at State periphery for Transmission (MU)	26,747.08	27,598.21	25,047.35
Inter State Losses (MU)	583.45	458.34	458.34
Inter-State Transmission Losses % (% has been computed on total energy)	2.13%	1.63%	1.80%
Purchases Required & Billed Energy (MU)	27,330.53	28,056.55	25,505.69

2.3. Power Purchase Expense

2.3.1. The Petitioner claims the power purchase cost during truing up based on the philosophy as mentioned below:

- The Petitioner has calculated the allowable energy available for transmission at the State periphery by grossing up the actual energy received at the Discom end by the actual intra-state transmission losses.
- Thereafter to work out the allowable power input, the above derived energy available for transmission at the State periphery has been grossed up by actual Inter-State Transmission Losses (PGCIL Losses).
- Revised bulk supply Tariff has been calculated by dividing the total actual Power Purchase cost (including inter-state transmission charges).
- The allowable power purchase input has been multiplied by the revised bulk supply Tariff to derive the allowable power purchase cost for truing up.

2.3.2. Generating Station wise breakup of quantum and power purchase cost for FY 2019-20 is as follows:-

Table 2-3: Generating Station-wise Power Purchase Cost for FY 2019-20

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
Long term Sources					
Power procured from own Generating Stations (if any)					
From State Generating Stations Thermal					

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
ANPARA-A	3,914.45	303.77	709.93	0.48	1,014.18
ANPARA-B	6,470.88	298.89	1,117.95	13.09	1,429.93
PANKI	-	-	-	-	-
PARICHHA	200.56	45.82	72.30	13.29	131.42
PARICHHA EXT.	1,927.82	333.66	644.69	2.59	980.94
OBRA-A	-	-	-	-	-
OBRA-B	3,324.45	249.93	702.51	7.20	959.64
HARDUAGANJ	158.52	78.98	56.17	2.67	137.81
HARDUAGANJ EXT.	2,850.79	532.38	956.02	2.84	1,491.24
PARICHHA EXT. STAGE-II	1,305.98	332.74	437.66	1.62	772.02
ANPARA-D	5,164.05	822.99	876.17	4.27	1,703.43
Panki Extension	-	-	-	-	-
HARDUAGANJ EXT. Stage II	-	-	-	-	-
OBRA-C	-	-	-	-	-
Jawaharpur	-	-	-	-	-
UPRVUNL Consolidated	-	-	-	-40.06	-40.06
Sub-Total	25,317.52	2,999.16	5,573.40	8.00	8,580.56
From State Generating Stations Hydro					
RIHAND	365.88	15.08	21.00	-0.00	36.08
OBRA (H)	187.20	10.99	7.81	-0.00	18.80
MATATILA	47.71	1.94	1.54	-0.00	3.48
KHARA	313.83	11.64	11.61	-0.00	23.25
UGC	20.08	-	5.68	-	5.68
SHEETLA	1.96	-	0.30	-	0.30
BELKA	1.54	-	0.33	-	0.33
BABAIL	-0.03	-	-0.01	-	-0.01
Sub-Total	938.17	39.66	48.26	-0.01	87.91
From Central Sector Generating Stations					
Thermal (NTPC)					
ANTA GPS	160.12	57.77	114.29	0.49	172.55
AURAIYA GPS	172.73	113.41	82.69	5.38	201.48
DADRI GPS	784.83	120.79	452.57	18.76	592.13
JHANOR GPS	2.17	0.25	1.09	-0.00	1.34
KAWAS GPS	9.13	0.69	3.07	-	3.75
TANDA TPS	1,827.85	368.18	557.59	19.85	945.62
FGUTPS-1	971.68	186.59	330.27	13.59	530.45
FGUTPS-2	535.05	93.73	184.29	7.57	285.59
FGUTPS-3	299.24	61.69	102.08	4.12	167.89
FGUTPS-4	1,013.38	251.03	325.78	13.72	590.52
FSTPS	191.25	19.22	46.56	0.84	66.62

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
KHTPS-1	369.78	54.92	83.32	-	138.24
KHTPS-2	1,320.87	192.22	281.97	-	474.18
NCTPS-1	301.41	56.15	124.52	1.70	182.38
NCTPS-2	607.39	117.60	145.31	5.18	268.09
RIHAND-1	2,206.96	199.98	303.60	-5.60	497.97
RIHAND-2	2,091.09	155.50	283.72	-	439.23
RIHAND-3	2,653.35	345.39	363.14	5.54	714.07
SINGRAULI	5,100.45	357.68	708.92	-	1,066.59
KORBA-I STPS	24.10	1.66	3.25	0.00	4.90
KORBA-III STPS	21.76	1.34	1.25	0.00	2.59
MAUDA-I STPS	37.64	8.37	12.10	0.17	20.64
MAUDA-II STPS	41.90	8.75	13.52	0.13	22.41
SOLAPUR TPS	1.13	4.32	0.40	0.02	4.74
SIPAT-I	38.55	4.99	4.90	0.00	9.89
SIPAT-II STPS	15.03	1.96	2.17	-0.00	4.14
VINDHYACHAL-I STPS	32.44	2.95	5.70	-	8.65
VINDHYACHAL-II STPS	16.85	1.35	2.82	-	4.17
VINDHYACHAL-III STPS	23.62	2.44	3.96	-0.00	6.39
VINDHYACHAL-IV STPS	19.25	3.35	3.14	0.00	6.49
VINDHYACHAL-V STPS	14.22	2.33	2.40	0.02	4.75
Tanda II	1,184.70	216.12	260.65	10.06	486.84
Indira Gandhi STPS, Jhajjar	-	-	-	-	-
URS Power					
SINGRAULI STAGE III	-	-	-	-	-
Indira Gandhi STPS, Jhajjar	-	-	-	-	-
GADARWARA STPS-I	1.92	2.49	0.67	0.03	3.19
LARA STPS-I	4.52	1.46	1.11	-	2.57
KHARGONE STPS	1.49	0.42	0.44	-	0.86
NTPC Consolidated	-	-	-	69.32	69.32
Sub-Total	22,097.86	3,017.10	4,813.27	170.90	8,001.26
NPCIL					
KAPS	6.73	-	1.71	-0.22	1.49
NAPP	1,229.14	-	391.71	-63.15	328.56
TAPP-3 & 4	21.33	-	6.74	1.31	8.05
RAPP-3 & 4	519.36	-	181.07	1.78	182.84
RAPP-5 & 6	889.26	-	360.56	-226.06	134.51
Sub-Total	2,665.82	-	941.80	-286.35	655.45
Hydro (NHPC)					
SALAL	265.15	19.88	16.33	9.84	46.05
TANAKPUR	102.67	20.31	16.37	15.34	52.02
CHAMERA-I	532.76	40.23	60.79	-1.32	99.70

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
URI	664.14	53.33	54.59	4.77	112.69
CHAMERA-II	338.92	24.04	34.06	-0.92	57.18
DHAULIGANGA	334.88	42.95	40.63	-0.98	82.60
DULHASTI	556.47	122.34	146.82	2.46	271.63
SEWA-II	173.34	44.62	41.80	0.44	86.86
CHAMERA-III	274.49	57.72	54.07	2.85	114.64
URI-II	435.41	83.26	78.38	6.37	168.01
PARBATI-III	180.47	74.62	27.77	-0.82	101.58
KISHANGANGA	398.90	77.61	69.75	46.37	193.73
PARBATI-II	-	-	-	-	-
SUBANSIRI LOWER	-	-	-	-	-
PAKALDUL	-	-	-	-	-
NHPC Consolidated	-	-	-	233.00	233.00
Sub-Total	4,257.62	660.91	641.37	317.41	1,619.68
HYDRO (NTPC)					
KOLDAM HPS	730.73	191.78	174.87	1.81	368.45
TAPOVAN VISHNUGARH	-	-	-	-	-
LATA TAPOVAN HEP	-	-	-	-	-
SINGRAULI SHPS	4.90	-	3.10	-	3.10
Sub-Total	735.63	191.78	177.97	1.81	371.56
HYDRO					
TEHRI	1,229.28	280.46	277.18	236.84	794.48
KOTESHWAR	500.49	124.70	113.77	0.24	238.71
Dhukwan SHP- THDC	2.72	-	0.66	-	0.66
VISHNUGARH PIPAL KOTHI	-	-	-	-	-
Thermal					
KHURJA STPP	-	-	-	-	-
Sub-Total	1,732.49	405.17	391.61	237.08	1,033.86
SJVN					
RAMPUR	356.84	72.40	71.79	2.11	146.31
NATHPA JHAKRI	1,374.11	154.05	169.13	28.68	351.87
Sub-Total	1,730.95	226.46	240.92	30.79	498.18
NEEPCO					
Kameng HEP	-	-	-	-	-
IPP/JV					
HYDRO					
TALA	118.90	-	25.68	-	25.68

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
VISHNU PRAYAG	1,731.42	24.28	226.02	28.69	278.98
KARCHAM	917.72	152.04	154.29	109.22	415.55
TEESTA-III	897.63	239.62	222.19	51.97	513.78
SRI NAGAR HEP	1,351.33	387.98	313.11	-	701.09
Rajghat Hydro	-	-	-	-	-
Hydro (Competitive Bidding)					
Thermal					
Meja Thermal Power Plant	847.10	247.02	260.61	15.00	522.63
LANCO	6,725.85	637.11	1,356.15	139.49	2,132.75
BEPL BARKHERA	82.96	92.42	30.70	-12.22	110.91
BEPL KHAMBHAKHERA	73.16	89.64	26.96	0.65	117.26
BEPL KUNDRAKHI	116.26	89.36	37.89	0.87	128.12
BEPL MAQSOODAPUR	93.89	85.71	35.04	0.84	121.59
BEPL UTRAULA	109.72	89.94	37.54	70.94	198.42
KSK MAHANADI	4,772.38	1,219.31	1,331.69	55.93	2,606.94
LALITPUR	6,916.87	2,858.00	2,044.09	548.75	5,450.85
M.B.POWER	2,273.46	669.32	435.51	246.37	1,351.20
PRAYAGRAJ POWER	8,472.86	1,247.90	2,068.15	159.72	3,475.77
R.K.M.POWER	2,074.84	547.47	389.43	-57.63	879.27
ROSA-1&2	5,632.62	1,269.43	1,729.06	142.92	3,141.41
SASAN	3,778.25	55.68	434.43	21.48	511.59
TRN ENERGY	1,599.77	292.24	264.81	-16.31	540.74
NABINAGAR POWER PROJECT	235.18	76.33	48.66	-1.14	123.84
APCPL	196.74	42.11	89.82	20.27	152.20
Ghatampur					
Sub-Total	49,018.91	10,412.91	11,561.86	1,525.80	23,500.57
Total	108,494.96	17,953.14	24,390.46	2,005.42	44,349.02
Medium term Sources					
Short term Sources					
Medium term Sources	-	-	-	-	-
Cogen/ Captive					
Baggasse/Cogen/ CPP 1	3,717.72	-	1,399.94	-204.38	1,195.56
Baggasse/Cogen/ CPP 2					
Cogen/ Captive	3,717.72	-	1,399.94	-204.38	1,195.56
Bilateral & Others (Power purchased through Trading)					

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
Solar (Existing)	-	-	-		-
Solar (FY 20)	-	-	-		-
Solar (FY 21)	-	-	-		-
Solar (FY 22)	-	-	-		-
Solar (FY 23)	2,217.21	-	1,013.33	27.49	1,040.82
SOLAR FY (24)	-	-	-		-
SOLAR FY 25	-	-	-		-
-	2,217.21	-	1,013.33	27.49	1,040.82
Non-Solar (Renewable)					
WIND	950.88	-	326.21	-	326.21
WIND (FY 20)	-	-	-		-
WIND (FY 21)	-	-	-		-
WIND (FY 22)	-	-	-		-
Biomass Existing					
Biomass FY 20	-	-	-		-
MSW FY 21	-	-	-		-
Slop based power project					
Sub-Total	950.88	-	326.21		326.21
NVVN Thermal	677.59	-	310.99	24.11	335.10
NVVN Solar	492.03	-	180.74	9.88	190.62
OTHER SOURCES					
UI Charges	-169.93	-	191.40	1.44	192.84
Reactive Energy Charges	-	-	-	7.09	7.09
OA	1,717.56	-	917.48	13.77	931.25
Fwd/Rev Banking	-	-	-	51.90	51.90
IEX Purchase	1,140.29	-	498.95	0.04	498.99
IEX sale	1,097.37	-	292.76	-	292.76
Sub Total	1,590.54	-	1,315.07	74.23	1,389.31
PTC Unverified Power Purchase					
REC					
UI Charges					
Open Access Charges					
Banking					
PGCIL Charges	-	-	-		-
WUPPTCL Charges	-	-	-		-
SEUPPTCL Charges	-	-	-		-
Reactive Energy Charges	-	-	-		-
Case-I Transmission Charges	-	-	-		-

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
Any other charges					
STU Charges	-	-	-		-
Transmission Charges	-	-	-	5,390.84	5,390.84
Less					
Late Payment Surcharge	-	-	-		-
Plus: Prior Period Expenses				562.94	562.94
Grand Total	118,140.93	17,953.14	28,936.73	8,006.76	54,896.62

2.3.3. In this regard, Petitioner further requests the Hon'ble Commission to kindly approve the additional power purchase quantum due to increase in Inter-State transmission losses, as the same is beyond the control of the Petitioner while approving the revised Bulk Supply Tariff. Further, BST is computed in line with the approach adopted by the Hon'ble Commission in the last True-up Order for FY 2018-19 dated 11 November 2020.

2.3.4. Considering the aforementioned philosophy, the Bulk Supply tariff for FY 2019-20 in the table below:

Table 2-4: Bulk Supply Tariff for FY2019-20

Particulars	Approved	Claimed
Power Purchase cost including inter-state charges (Rs Crore)	51438.30	54,896.62
Power Input (MU)	113,747.99	118,140.93
Inter-State Trans Losses (%)(%Computed on Total Input Energy)	2.13%	1.63%
Inter State Loss (MU)	2,428.31	1929.97
Input at Transco End (MU)	111,319.68	116210.96
Intra-State Trans Losses (%)	3.56%	3.43%
Input as Discom End (MU)	107,356.70	112,224.92
BST at Discom Periphery (Rs./Kwh)	4.79	4.89

2.3.5. The claimed power purchase cost for FY 2019-20 is shown in the table below:

Table 2-5: Power Purchase Cost for FY 2019-20

Particulars	Approved	As per Balance Sheet	Normative
Allowable Power Purchase (MU)	25,794.88	26.651.59	24,188.23
BST Rate (Rs./kWh)	4.79	4.85	4.89
Power Procurement Cost from UPPCL (Rs. Crore)	12,359.22	12,919.19	11,832.06

2.3.6. The Petitioner requests the Hon'ble Commission to allow the Power Purchase cost for FY

2019-20 as claimed in the above Table.

2.3.7. Further, Regulation 9.2 of UPERC (Multi Year Distribution Tariff) Regulations, 2014 provides the illustrative variations or expected variations in the performance of the Distribution Licensee, which may be attributed by the Hon'ble Commission to controllable factors include the following:

a. Variations in capital expenditure

b. Variations in Aggregate Technical & Commercial (AT&C) losses

c. Distribution Losses

d. Variations in Return on Equity (ROE), depreciation and working capital requirements

e. Failure to meet the standards specified in the Standards of Performance Regulations, except where exempted

f. Variation in operation & maintenance expenses

g. Variation in Wires Availability and Supply Availability

2.3.8. Regulation 11 of the Uttar Pradesh Electricity Regulatory Commission (Multi Year Distribution Tariff) Regulations, 2014 specifies as shown under:

Quote

11. Mechanism for sharing of gains or losses on account of controllable factors

11.1 The approved aggregate gain to the Distribution Licensee on account of controllable factor shall be dealt with in the following manner:

a. One-half of the amount of such gain shall be passed on as a rebate in tariff over such period as may be stipulated in the Order of the Commission;

b. The balance amount of such gain, may be utilized at the discretion of the Distribution Licensee.

11.2 The approved aggregate loss to the Distribution Licensee on account of controllable factor shall be dealt with in the following manner:

(a) One-half of the amount of such loss may be passed on as an additional charge in tariff over such period as may be stipulated in the Order of the Commission; and

(b) The balance amount of loss shall be absorbed by the Distribution Licensee.

Unquote

2.3.9. Hence, any gain or loss on account of the controllable parameters like variation in distribution losses, Aggregate Technical & Commercial (AT&C) losses, O&M expenses etc. is to be dealt in accordance to the Regulation 11 of UPERC (Multi Year Distribution Tariff)

Regulations, 2014.

- 2.3.10. It may be noted that UPERC (Multi Year Distribution Tariff) Regulations, 2014 consider both, variation in Distribution Loss and variation in AT&C Loss as controllable factors, and also allow sharing of gains or losses on account of controllable factors. Therefore, the Regulation allows sharing of loss on account of both factors. However, the Petitioner submits that AT&C Loss includes both Distribution Loss and Collection Efficiency and sharing both, i.e. variation in Distribution Loss and variation in AT&C Loss will lead to double accounting of the claim by the Petitioner. Therefore, the Petitioner has submitted the claim of sharing of Distribution Loss variation and Collection Efficiency component of AT&C Loss variation only. The detailed workings are shown in the subsequent paras.

A. Efficiency gains/losses on account of variation in Distribution Losses

- 2.3.11. It is submitted that the Hon'ble Commission while truing-up for FY 2018-19 has disallowed Rs. 1,024.41 Crores claimed by UP Discoms towards sharing of losses on account of variation in Distribution Loss trajectory by holding that: -
- (a) Under the MoU dated 30.01.2016 entered pursuant to UDAY scheme, the licensees have agreed to a distribution loss trajectory without claiming for sharing of efficiency gains/losses. The loss trajectory agreed under the Uday scheme has been adopted/accepted/approved by The Hon'ble Commission in Tariff Order dated 01.08.2016 (for FY 2016-17). Therefore, sharing of distribution losses cannot be allowed for the period covered by UDAY, i.e., up to FY 2019-20.
 - (b) Any gain on account of the controllable parameters like improved performance by way of reduction of distribution losses, O&M expenses etc will be allowed, however loss sharing cannot be allowed.
 - (c) There is a substantial revenue gap between ARR and revenue for FY 2018-19, hence, any amounts allowed on account of sharing of losses will only enhance the existing large gap.
- 2.3.12. It is submitted that under the MoU dated 30.01.2016 entered pursuant to the UDAY Scheme, there exist no condition restricting the Petitioner from claiming the sharing of efficiency gains/losses on account of any variation in distribution loss trajectory. The Hon'ble Commission has disallowed the claim of the Petitioner on an erroneous assumption of the fact. In any event sharing of efficiency gains/losses on account of variation in distribution loss trajectory is permissible under the MYT Regulations, 2014.
- 2.3.13. It is submitted disallowance of the Petitioner claim *qua* sharing of losses on account of variation in distribution loss is violative of the regulatory framework envisaged under Regulation 9 and 11 of MYT Regulations, 2014.

- 2.3.14. In view of the Regulation 9 and 11 of MYT Regulations, 2014, the following position stands established: -
- (a) Distribution Loss (measured as the difference between total energy input for sale to all consumers and sum of the total energy billed in the license area in the same year) is a controllable factor.
 - (b) Regulation 11.2 provides the mechanism for sharing of losses incurred by the Petitioner on account of controllable factors such as distribution loss trajectory. In terms of the sharing mechanism one-half of the amount of such loss shall be passed on as an additional charge in tariff over such period as may be stipulated by Hon'ble Commission. The balance amount of loss has to be absorbed by the Petitioner.
 - (c) The said Regulation mandates the Hon'ble Commission to approve/determine the aggregate loss on account of any variations in the normative distribution loss trajectory.
- 2.3.15. Accordingly, the loss incurred by the Petitioner (i.e., the difference between the normative distribution loss trajectory approved by the Hon'ble Commission and the actual distribution loss accounted for FY 2018-19) on account of variation in distribution loss trajectory ought to have been allowed to be shared i.e., one-half of the amount of such loss should have been passed on as an additional charge in tariff. However, the Hon'ble Commission has disallowed sharing of such losses which is violative of the regulatory mandate and Section 61 principles which mandates safeguarding of consumers' interest and at the same time, recovery of the cost of electricity in a reasonable manner.
- 2.3.16. It is submitted that the Hon'ble Commission, in the True-up Order for FY 2018-19 has allowed sharing of efficiency gains on account of controllable parameters such as variation in distribution losses for PVVNL and KESCO. At the same time the Hon'ble Commission has disallowed sharing of losses claimed by the Petitioner on account of such controllable parameters. Such inconsistency in the approach of the Hon'ble Commission is violative of Clause 4 of the Tariff Policy, 2016, which *inter-alia*, provides for the general approach to be followed by the ERCs for the purpose of determination of tariff: -

“4.0 OBJECTIVES OF THE POLICY

The objectives of this tariff policy are to:

- (a) Ensure availability of electricity to consumers at reasonable and competitive rates;*
- (b) Ensure financial viability of the sector and attract investments;*
- (c) Promote transparency, consistency and predictability in regulatory approaches across jurisdictions and minimise perceptions of regulatory risks;*
- (d) Promote competition, efficiency in operations and improvement in quality of supply”*

2.3.17. Therefore, the Hon'ble Commission is requested to allow loss sharing for FY 2019-20 on account of variation in Distribution losses.

Table 2-6: Efficiency gains/losses on account of variation in Distribution Losses for FY 2019-20

S. No	Efficiency Gains /Losses	FY 2019-20
A	Distribution Loss (%)- Approved in T.O dated 22.1.2019	12.20%
B	Distribution Loss (%)- Audited	20.32%
C	Distribution Losses (MU) (At Approved loss (%))	2,950.96
D	Distribution Losses (MU) (At Audited loss (%))	5,414.33
E	Additional Units Loss due to higher Distribution Losses (MU) (E=D-C)	2,463.36
F	Claimed Bulk Supply Tariff (Rs/kWh) (F)	4.89
G	Gain/(Loss) (E*F/10) (Rs. Cr)	(1,204.99)
H	Gain/(Loss) sharing (G/2) Rs. Cr.	(602.50)

B. Efficiency gains/losses on account of variation in Collection Efficiency component of AT&C Loss

2.3.18. It is submitted that the Hon'ble Commission while Truing-up the tariff for FY 2018-19 has disallowed sharing of losses on account of variation in collection efficiency claimed by Petitioner towards sharing of losses on account of variation in Collection Efficiency component of AT&C loss and inter-alia held that: -

- a) Sharing of gain/losses are allowed on account of any variation in the controllable parameters, which have been approved by the Commission in its Tariff Orders (for FY 2018-19).
- b) Neither the Regulations mandate it, nor the Petitioner had sought for determination of Collection Efficiency (%) and AT&C Loss (%) in its ARR/Tariff Petitions. Even the Commission has not approved the Collection Efficiency (%) and AT&C Loss (%) for any of the licensees for the MYT period 2014-2019. Hence the question of sharing of losses on account of variation in Collection Efficiency component of AT&C loss does not arise.

2.3.19. In view of the MYT Regulations, 2014, the following position stands established: -

- (a) Collection efficiency is a component of AT&C loss. Any variation in AT&C loss is a controllable factor.
- (b) Annexure B of MYT Regulations 2014 provides the detailed methodology for computation of AT&C loss.
- (c) Regulation 9.2(b) provides the methodology for computation of variation in AT&C losses.

- (d) Regulation 11.2 provides the mechanism for sharing of losses on account of controllable factors including variation in AT&C loss (which includes collection efficiency).
- (e) The Hon'ble Commission is mandated to approve/determine the aggregate loss on account of any variations in AT&C losses in terms of the methodology provided under Regulation 9.2(b) and Annexure B of the MYT Regulation 2014. Consequently, the Hon'ble Commission has to allow sharing of such approved loss as per the methodology provided under Regulation 11.2.
- (f) Prior approval of AT&C loss trajectory by The Hon'ble Commission is not a pre-requisite for Petitioner to claim sharing of losses on such account.

2.3.20. It is noteworthy that the MYT Regulations 2014 does not state that computation of AT&C loss or variation in AT&C losses has to be done by the Hon'ble Commission only. The Regulation has prescribed the methodology for such computation. Accordingly, the licensee can voluntarily do such computation in terms of the prescribed methodology and put it up before the Hon'ble Commission for approval. In terms of Regulation 11.2, the Hon'ble Commission is duty bound to approve the aggregate loss claimed by the licensees in terms of the methodology provided under the Regulations after prudence check.

2.3.21. Accordingly, the Petitioner after computing the losses on account of variation in Collection Efficiency component of AT&C loss (which have been computed on the basis of specific tariff elements approved by the Hon'ble Commission in the tariff Orders and the methodology provided under Regulation 9.2(b), 11 and Annexure B of the MYT Regulations) had claimed sharing of such losses as per the specific mandate of Regulation 11.2.

2.3.22. It is reiterated that approval of AT&C loss trajectory by the Hon'ble Commission is not a pre-requisite for Petitioner to claim sharing of losses on such account.

2.3.23. For the purpose of computing efficiency gains/losses on account of variation in collection efficiency component of AT&C Loss, the Petitioner has worked out the same as per Annexure B of the UPERC (Multi Year Distribution Tariff) Regulations, 2014. Further, the Hon'ble Commission in its MYT Order for the Control Period from FY 2017-18 to FY 2019-20, has considered the UDAY benchmarks as the Loss Trajectory for Petitioner, therefore, the target Collection efficiency Trajectory of UDAY has been considered to claim the sharing of Losses.

Table 2-7: AT&C (%) computation as per Annexure B of MYT Regulation 2014

Sr. No.	Particulars	Formula	Units	FY 2019-20
1	Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of Distribution	A	MU	-

Sr. No.	Particulars	Formula	Units	FY 2019-20
	Licensee			
2	Input energy (metered Import) received at interface points of Distribution Licensee network	B	MU	26,651.59
3	Input energy (metered Export) by the Distribution Licensee at interface points of Distribution Licensee network	C	MU	-
4	Total Energy available for sale within the licensed area to the consumers of the Distribution Licensee	$D=A+B-C$	MU	26,651.59
5	Energy billed to metered consumers within the licensed area of the Distribution Licensee	E	MU	21,237.26
6	Energy billed to un-metered consumers within the licensed area of the Distribution Licensee	F	MU	
7	Total Energy Billed	$G=E+F$	MU	21,237.26
8	Amount billed to consumer within the licensed area of the Distribution Licensee	H	Rs crores	11,641.41
9	Late Payment Surcharge	I	Rs crores	264.74
10	Amount realized by the Distribution Licensee out of the amount Billed at H	J	Rs crores	8,778.64
11	Subsidy Amount Received	K	Rs crores	3,289.09
12	Amount Realised on account of theft cases	L	Rs crores	
13	Energy Realized on account of theft cases	$M=(L \times G)/H$	MU	-
14	Collection Efficiency (%)	$N=[(J-I+K+L)/(H+K+L)] \times 100$	%	79.05%
15	Energy Realized by the Distribution Licensee	$P=N \times G$	MU	16,788.66
16	Distribution Loss (%)	$Q=[(D-G)/D] \times 100$	%	20.32%
17	AT&C Loss (%)	$R=[(D-(P+M))/D] \times 100$	%	37.01%

2.3.24. The Collection Efficiency computed above is being used to compute the sharing loss on account of collection efficiency component of AT&C Loss.

Table 2-8: Efficiency gains/(losses) on account of variation of Collection Efficiency Component of AT&C Loss for FY 2019-20

Particulars	Unit	Figure
Actual Collection Efficiency	%	79.05%
Normative Collection Efficiency	%	96.25%
Revenue Assessment	Rs. Crore	11,641.41
Sharing of (Loss)/ Gain of Collection Efficiency component of AT&C Loss	Rs. Crore	(1,001.00)

2.3.25. Hence, the total sharing of distribution gains/losses and sharing of gains/losses of collection efficiency component of AT&C Loss is shown in table below:

Table 2-9: Sharing of Distribution Gains/Losses and Collection Efficiency component of AT&C Loss (Rs Crore)

S. No	Efficiency Gains /Losses	Amount
A	Efficiency gains/(losses) on account of variation in Distribution Losses	(602.50)
B	Efficiency gains/(losses) on account of variation in Collection Efficiency component of AT&C Loss	(1001.00)
C	Total Loss sharing (A+B)	(1,603.49)

2.3.26. The Petitioner requests the Hon'ble Commission to allow the loss sharing as computed in the above table in accordance with the provisions of UPERC (Multi Year Distribution Tariff) Regulations, 2014.

2.4. Intra-State Transmission Charges

2.4.1. The actual Transmission charges (including SLDC charges) is shown in the Table below:

Table 2-10: Intra-State Transmission Charges for FY 2019-20

Particulars	Unit	Approved	Claimed
Units Wheeled (Energy Input into Transmission-Distribution Interface)	MU	25794.88	24,188.23
Intra-State Transmission Charge (including SLDC charges)	Rs/kWh	0.18	0.33
Transmission Charges	Rs Crore	476.75	804.03

2.4.2. It is submitted that Transmission Charges are fixed in nature and depend upon the ARR approved by The Hon'ble Commission for UPPTCL. In all the past True-up's (excluding true-up for FY 2018-19) the Hon'ble Commission has been approving the Intra-State Transmission Charges for the Petitioner based on the actual amount booked in the Audited Balance Sheet for the respective year. The same is evident from the Hon'ble Commission Tariff Order dated 03.09.2019 (i.e., True-up of FY 2017 – 18), abstract of the same is reproduced below: -

“

4.4.3 Accordingly, the Table below provides the details of transmission charges as approved in Tariff Order for FY 2017-18, Audited accounts and as trued Up by the Commission:

Table 4-15: ALLOWABLE INTRA STATE TRANSMISSION CHARGES FOR FY 2017-18

Particulars	Approved in MYT Order			Claimed			Approved upon Truing up		
	Units Wheeled (MU)	Transmission Charge (Rs/Kwh)	Transmission Charges (Rs. Cr)	Units Wheeled (MU)	Transmission Charge (Rs/Kwh)	Transmission Charges (Rs. Cr)	Units Wheeled (MU)	Trued Transmission Charge	Transmission Charge (Rs. Cr)

								(Rs/Kwh)	
DVVNL	24014.62	0.23	559.51	23440.25	0.19	448.48	23439.98	0.19	448.47
MVVNL	22819.62	0.23	531.67	21038.26	0.19	388.28	21038.26	0.19	388.28
PVVNL	33504.20	0.23	780.60	34438.67	0.18	610.28	34438.67	0.18	610.28
PuVVNL	28994.21	0.23	675.53	25860.66	0.19	482.50	25860.96	0.19	482.51
KESCO	4442.74	0.23	103.51	3677.86	0.18	64.56	3677.92	0.18	64.56
Total	113775.4	0.23	2650.82	108455.69	0.18	1994.10	108455.79	0.18	1994.10

“

- 2.4.3. In view of the above, it is evident that the Hon'ble Commission in the earlier tariff Order dated 03.09.2019 itself allowed the actual transmission charges as incurred by the Discoms. However, in the True-up Order for FY 2018-19 the Hon'ble Commissions' disallowance by ignoring the amount booked in Audited Balance Sheet is contrary to the practice/approach followed by the Hon'ble Commission in the past. Such an approach followed by the Hon'ble Commission evinces lack of regulatory certainty.
- 2.4.4. Hence the disallowance towards Transmission Charges for FY 2018-19 in the True-up Order for FY 2018-19 by the Hon'ble Commission is contrary to the tariff principles envisaged under Section 61 of the Act, which mandates the Commission to ensure that: -
- Recovery of the cost of electricity in done in a reasonable manner; and
 - Tariff determined is a reflection of the actual cost of supply.
- 2.4.5. The Petitioner requests Hon'ble Commission to allow transmission charges for FY 2019-20 as claimed in the above table based on Audited Accounts for FY 2019-20.

2.5. Operation and Maintenance Expenses

- 2.5.1. Operation and Maintenance Expenses (O&M expenses) comprises of Employee Expenses, Repair & Maintenance Expenses and Administrative & General Expenses.

Employee Expenses

- 2.5.2. The Petitioner has considered the same methodology and norms for the Truing-up of Employee Expenses for FY 2019-20 as approved by the Hon'ble Commission in the Tariff Order for FY2019-20 dated 3 September 2019.
- 2.5.3. It is submitted that the Hon'ble Commission has disallowed the 7th Pay Commission Arrears while Truing-up the tariff for FY 2018-19 holding that the same has already been allowed as a one-time expense to the Discoms in Tariff Order dated 30.11.2017. At the outset it is submitted that the Discoms in the MYT proceedings for 2017-20 (which was initiated in FY 2017) had not claimed the expenditure qua arrears/impact of the 7th Pay Commission for FY 2018-19 on actuals. The same was only an estimate since the actual liability towards such

expenditure was to be discharged subsequently in FY 2018-2019. In this regard the following is noteworthy:

- a) The 7th Pay Commission's recommendations were issued/notified on 01.01.2016. However, in the State of Uttar Pradesh, its implementation started from 01.07.2017 i.e., from FY 2017-18 (as captured by The Hon'ble Commission in the True-up Order for FY 2018-19 at Para 6.7.4(d) @ Pg. 396).
- b) The impact of the 7th Pay Commission on employee expenses of the Discoms was computed for different years starting from FY 2015-16 (last quarter of FY 2015-16).
- c) Accordingly, the Petitioner in its MYT Petition for FY 2017-18 to FY 2019-20 claimed arrears/impact of the 7th Pay Commission on Employee Expenses based on estimates, since this liability was to be discharged in FY 2017-18 and subsequent years.
- d) The overall increase in employee expenses on account of implementation of 7th Pay Commission is approximately 15%. Accordingly, Petitioner had computed the yearly impact of the 7th Pay Commission by escalating the employees' expenses for FY 2015-16 at 15%. To arrive at the impact of the 7th Pay Commission for subsequent years, the estimated expenses were escalated by the applicable escalation rate of each year.
- e) The Hon'ble Commission by MYT Order dated 30.11.2017 allowed the arrears/impact of the 7th Pay Commission in tariff of FY 2017-18 and FY 2018-19 by considering the impact of the same as 15% of the employee expenses incurred by the Petitioner in the last quarter of FY 2015-16 and FY 2016-17.

2.5.4. It is submitted that the Hon'ble Commission in MYT Order dated 30.11.2017 had allowed the arrears/impact of the 7th Pay Commission in Tariff of FY 2017-2018 and FY 2018-2019 on estimated basis. It is pertinent to note that this expenditure was claimed and allowed on estimated basis since the same were to be discharged in subsequent financial years being FY 2017-2018 and FY 2018-2019. Therefore, the Hon'ble Commission was mandated to allow the same on actuals in the true-up proceedings for FY 2018-2019 after prudence check. However, the Hon'ble Commission has erroneously disallowed the expenditure claimed by the Petitioner without returning any findings on imprudence by the Petitioner.

2.5.5. It is submitted that in terms of applicable provision of MYT Regulations 2014, expenses pertaining to salary revision effected because of Pay Commissions qualifies as an 'uncontrollable factor' beyond the control of the Distribution Licensee and 'one-time expense', which are not included in the normative O&M cost allowed to the Distribution Licensees and has to be allowed by the Commission on actuals over and above normative O&M expenses: -

- (a) Regulation 9.1(f) of MYT Regulations 2014 provides that expenses pertaining to salary revision effected because of Pay Commissions falls within the purview of “uncontrollable factors”: -

“9.1 The “uncontrollable factors” shall comprise of the following factors which were beyond the control of, and could not be mitigated by the applicant:

[..]

f. Other expenses- It will cover expenses like salary revision effected because of Pay Commissions or any other expenses allowed by the Commission after prudence check.”

- (b) In terms of Regulation 10 of the MYT Regulations 2014 the aggregate gain/loss to the Distribution Licensees on account of any uncontrollable factors (such as impact of 7th Pay Commission) is to be passed through in the tariff of the Licensee: -

“The approved aggregate gain or loss to the Distribution Licensee on account of uncontrollable factors shall be passed through, as an adjustment in the tariff of the Distribution Licensee, as specified in these regulations and as may be determined in the Order of the Commission passed under these regulations.”

- (c) Regulation 25(c)&(e) of MYT Regulations 2014 provides that expenses pertaining to arrears paid due to pay commissions is not included in the normative O&M cost allowed to the Distribution Licensees and shall be allowed to by the Commission on actuals: -

“25. Operation & Maintenance Expenses

[..]

(c) One-time expenses such as expense due to change in accounting policy, arrears paid due to pay commissions etc., shall be excluded from the norms in the trajectory.

[..]

(e) The One-time expenses and the expenses beyond the control of the Distribution Licensee shall be allowed by the Commission over and above normative Operation & Maintenance Expenses after prudence check.”

- 2.5.6. In terms of Regulation 14(c) of the MYT Regulations 2014, which provides the mechanism for true-up of tariff, the Hon’ble Commission is mandated to true-up the tariff of the Discoms based on the expense estimates made in the beginning of the year under consideration and actual expenses booked in the audited books of account of the Distribution Licensee for that particular year: -

“14. True-Up Order

[..]

(c) An order for True-Up of Expenses shall be on the basis of expense estimates made in the beginning of the year under consideration and actual expenses booked in the audited books of account of the Distribution Licensee for the year.”

- 2.5.7. In view of the above it is submitted that in terms of the MYT Regulations 2014, the Hon’ble Commission is mandated to allow the actual expenditure incurred by the Petitioner (i.e., expenditure booked in the audited books of account) on account of arrears/impact of 7th Pay Commission while truing.
- 2.5.8. Therefore, the Hon’ble Commission is requested to allow the 7th Pay Commission arrears booked in the Audited Accounts for FY 2019-20 which are requested to be allowed as one-time expense under Regulation 25(C) of the Distribution MYT Tariff Regulations, 2014.
- 2.5.9. The Normative Employee expenses approved by the Hon’ble Commission and now normative computed for FY 2019-20 are shown in the Table below:

Table 2-11: Employee Expenses for FY 2019-20

Sl No.	Particular	Approved	Normative
A	Norms per 1000 consumers (Rs. Crore)	0.218	0.218
B	Number of consumers (Nos.)	8912241	8349215
C	Employee Expenses (consumers) (Rs. Crore)	1942.87	1820.13
D	Norms per substation (Rs. Crore)	0.004	0.0040
E	Number of substations (Nos.)	399934	455274
F	Employee Expenses (substation) (Rs. Crore)	1599.74	1821.10
G	Gross Employee Expenses (C+F)/2	1771.30	1820.61
H	Less: Employee Expenses Capitalized (Rs. Crore)	265.97	460.33
I	Add: Arrears (Rs. Crore)	-	3.05
K	Net Employee Expenses (G-H+I) (Rs. Crore)	1505.33	1363.33

Repairs & Maintenance Expenses (R&M)

- 2.5.10. The Petitioner has considered the same methodology and norms, approved by the Hon’ble Commission in MYT Tariff Order for FY 2017-18 to FY 2019-20, for the Truing-up of R&M Expenses for FY 2019-20. Normative R&M Expenses approved by the Hon’ble Commission and now normative computed for FY 2019-20 are shown in the Table below:

Table 2-12: Normative R&M Expenses for FY 2019-20

SI No.	Particulars	Approved	Normative
A	Average GFA for R&M (Rs. Crore)	12823.38	15,375.38
B	Kb	6.47%	6.47%
C	R&M Expenses (Rs. Crore)	829.67	994.79

Administrative and General Expense (A&G)

2.5.11. The Petitioner has considered the same methodology and norms, approved by the Hon'ble Commission in MYT Tariff Order for FY 2017-18 to FY 2019-20, for the Truing-up of A&G Expenses for FY 2019-20. Normative A&G Expenses approved by the Hon'ble Commission and now normative computed for FY 2019-20 has been shown in the Table below:

Table 2-13: Normative A&G Expenses for FY 2019-20

Particulars	Approved	Normative
Norms per 1000 consumers (Rs Crore)	0.026	0.026
Number of Consumers (nos)	8912241	8349215
Administration & General Expenses (consumers) (F) (Rs Crore)	229.04	217.08
Norms per Employee (Rs Crore)	0.013	0.0130
Number of Employee (nos)	8970	8603
Administration & General Expenses (Employee) (G) (Rs Crore)	120.2	112
Total Administration & General Expenses (F+G)/2 (Rs Crore)	174.62	164.46

Smart Metering OPEX

2.5.12. It is submitted that the Hon'ble Commission has disallowed the OPEX cost incurred by Petitioner on account of implementation of Smart Meter Rollout scheme holding that: -

- Smart Meter Rollout scheme is a self-sustaining model since the billing and collection efficiency of Discoms will increase thereby reducing the commercial losses and overall O&M cost of the Discoms.
- MYT Distribution and Transmission Regulations, 2014 provide for O&M expenses on normative basis, hence the same cannot be allowed as additional O&M expense.

2.5.13. It is submitted that the Petitioners have been mandated to implement the Smart Meter

Rollout Scheme pursuant to statutory mandate and directions of the Hon'ble Commission. In this regard the following is noteworthy: -

- (a) In terms of Clause 8.4(3) of Tariff Policy 2016, Smart Meters had to be provided to consumers with monthly consumption of 500 units and more by 31.12.2017 and consumers with monthly consumption above 200 units by 31.12.2019: -

“8.4 Definition of tariff components and their applicability

....

3. The Appropriate Commission may provide incentives to encourage metering and billing based on metered tariffs, particularly for consumer categories that are presently unmetered to a large extent. The metered tariffs and the incentives should be given wide publicity. Smart meters have the advantages of remote metering and billing, implementation of peak and off-peak tariff and demand side management through demand response. These would become essential in future for load generation balancing due to increasing penetration of intermittent type of generation like wind and solar power.

Appropriate Commission shall, therefore, mandate smart meters for:

- (a) *Consumers with monthly consumption of 500 units and more at the earliest but not later than 31.12.2017;***
- (b) *Consumers with monthly consumption above 200 units by 31.12.2019.***

Further, two way smart meters shall be provided to all prosumers, who also sell back electricity to the grid as and when they require.”

- (b) On 08.09.2016 Ministry of Power referring to clause 8.4(3) of the Tariff Policy 2016 wrote to Forum of Regulators (FOR) qua the strategy for roll out of advance metering infrastructure in the States.
- (c) Pursuant to the above, Central Electricity Authority (CEA) intimated the Power Secretaries of all the States including State of Uttar Pradesh about technical specification of smart meters. CEA also asked the States to prepare a detailed plan for installation of smart meters and submit the same to respective State Regulatory Commissions for approval.
- (d) On 16.05.2018, the Hon'ble Commission directed UPPCL to submit the detailed roll out plan of installation of smart meters by Petitioner for approval.
- (e) On 06.08.2018, UPPCL submitted to The Hon'ble Commission the smart meter roll out plan under OPEX Model. In terms of the rollout plan Efficiency Services Limited (EESL) will make the upfront capital investment during the built-up phase and will recover its investment out of gains of the project on OPEX basis. Accordingly, Petitioner are required to pay monthly fee on OPEX basis as O&M expenditure to EESL on per meter per month basis. The per meter per month cost is calculated as

total project cost spread over the actual recovery period, post integration of meters on per meter basis.

- (f) On 15.11.2018, the Hon'ble Commission by its Order approved the Smart Meter rollout plan for State Discoms of Uttar Pradesh: -

“DISCOM will pay EESL on OPEX basis as O&M expenditure. The assets will be in the books of EESL till the transfer of assets at the end of project at zero value.

[..]

Since installation of Smart Meters is a national programme and has produced very encouraging financial returns in private Discoms, the Commission approves the proposed roll out plan of UPPCL and Discoms submitted before the Commission.....”

- 2.5.14. It is submitted that the amount claimed by Petitioner as ‘Additional A&G Expenses’ for smart metering is payable to EESL as O&M expenses to cover the cost towards smart meter and box installation, AMI software cost, consumer indexing, training, integration and commissioning of AMI solution. This cost was proposed to be recovered under Opex model based on per meter per month basis. Further, there will be no additional burden of depreciation, interest and return on equity on the end-consumer.
- 2.5.15. Further, the Hon'ble Commission in Order dated 15.11.2018, has directed the Petitioner to implement the Smart Meter rollout plan. As a result, thereof UP Discoms have incurred and will continue to incur substantial additional expenditure.
- 2.5.16. It is further submitted that the Opex incurred by the Discoms for implementation of Smart Meter rollout plan is not part of the normative O&M expenses provided to the Discoms under the Multi-Year Tariff Order dated 22.01.2019 and Tariff Regulations 2019 since: -
- (a) The same was not envisaged during projection of MYT O&M norms for FY 2017-18 to FY 2019-20 and for the control period 2019-24.
- (b) The normative O&M norms approved by The Hon'ble Commission are based on previous five-year Audited Accounts, which does not include any O&M expenses towards smart metering.
- 2.5.17. The Opex cost being incurred by the Petitioner on account of implementation of Smart Meter Rollout Plan pursuant to the mandate of Tariff Policy 2016 qualifies as an uncontrollable expense.
- 2.5.18. In view of the above it is submitted that the Opex cost towards Smart Meter Rollout Plan was not envisaged by the Petitioner and the Hon'ble Commission while fixing the normative O&M cost allowed for the MYT period 2020-25. Hence, the same being uncontrollable in nature ought to be allowed on actuals, over and above the normative O&M.
- 2.5.19. In view of the above it is submitted that the Hon'ble Commission completely being aware of

the cost implication qua implementation of Smart Metering Rollout Plan has approved/allowed the same by its Order dated 15.11.2018.

- 2.5.20. The Hon'ble Commission's observation that the smart meter roll out project is a self-sustaining model since the Opex cost to be paid by the licensees will be compensated by overall reduction in O&M cost due to improved billing and collection efficiency on account of installation of smart meters is not correct since: -
- (a) It is an attempt to compensate the present additional O&M expenses on account of smart meters Opex with future probable reduction in O&M cost, which may or may not happen. The Hon'ble Commission in its Order dated 15.11.2018 has itself noted that the Petitioner would incur substantial Opex cost (to be paid to EESL) towards implementation of Smart Metering Rollout Plans. Hence, there is no reason to now disallow the said cost.
 - (b) The approach of compensating the Opex cost with likely savings in billing and collection efficiency is conceptually erroneous. Presently, the tariff is already being determined based on 100% collection efficiency, despite the actual percentage being substantially lower. Therefore, even if billing and collection efficiency increases by installation of smart meters, the same will not have any impact on the tariff of the Petitioner.
- 2.5.21. It is submitted that based on the cost-benefit analysis of smart meter roll-out plan under Opex model vis-à-vis the Capex model, the Opex model is beneficial for the consumers since it would not entail the additional burden of depreciation, interest and return on equity, as compared to the Capex model.
- 2.5.22. The smart meter roll out plan on Opex model was submitted to the Hon'ble Commission well before its implementation. The Hon'ble Commission while approving the roll-out plan never stated that the cost envisaged under the Opex model would not be allowed to be passed on in the ARR. Moreover, the Hon'ble Commission in its Tariff Order dated 03.09.2019 stated that it will carry out detailed analysis of the additional O&M expenses (on account of implementation of smart meter roll out plan) for FY 2018-19 at the time of truing-up.
- 2.5.23. Therefore, the Hon'ble Commission is requested to allow the actual smart meter Opex of Rs 18.48 Crore booked in the Audited Accounts for FY 2019-20.
- 2.5.24. Further, it is again reiterated that Smart metering OPEX was not covered under the A&G expense head in the past and therefore, shall be allowed in full, over and above the usual A&G Expenses proposed by the Petitioner.

2.6. O&M Cost of UPPCL

- 2.6.1. It is submitted that the Hon'ble Commission in the True-up Order for FY 2018-19 has disallowed O&M expenses to UPPCL. While disallowing the same, the Hon'ble Commission has held that the procurement of power is the responsibility of Petitioner for which the Hon'ble Commission allows considerable amount of O&M expenses and interest on working capital. Since the expenses incurred by UPPCL are on account of procuring power for the Petitioner, Petitioner shall take care of such expenses incurred by UPPCL from the O&M expenses allowed to it.
- 2.6.2. At this juncture, it is pertinent to note that:-
- (a) The Hon'ble Commission has never considered UPPCL's O&M expenses while approving the power purchase costs for the Discoms.
 - (b) While determining the O&M expenses applicable to the Discoms, the Hon'ble Commission did not consider UPPCL's O&M expenses.
- 2.6.3. It is submitted that having adopted such an approach in the past, the Hon'ble Commission ought not to have disallowed the expenses incurred by UPPCL for procuring power for the Discoms which is a part of O&M expenses for UPPCL.
- 2.6.4. It is submitted that the MYT Regulations, 2014 provide for the methodology for consideration of O&M expenses. Regulation 25 of the MYT Regulations, 2014, *inter-alia*, provides that the Hon'ble Commission shall stipulate a trajectory for each of the components of the O&M expenses *viz.* Employee Cost, Repairs and Maintenance (R&M) expense and Administrative and General Expense (A&G) expense. Further, the Hon'ble Commission shall take into account any escalation on account of inflation etc. The relevant extract is reproduced below:-

“25. Operation & Maintenance Expenses

(a) The Commission shall stipulate a separate trajectory of norms for each of the components of O&M expenses viz., Employee cost, Repairs and maintenance (R&M) expense and Administrative and General Expense (A&G) expense. Provided that such norms may be specified for a specific Distribution Licensee or a class of Distribution Licensees.

(b) Norms shall be defined in terms of combination of number of personnel per 1000 consumers and number of personnel per substation along with annual expenses per personnel for Employee cost; combination of A&G expense per personnel and A&G expense per 1000 consumers for A&G expenses and R&M expense as percentage of gross fixed assets for estimation of R&M expenses:

(c) One-time expenses such as expense due to change in accounting policy, arrears paid due to pay commissions etc., shall be excluded from the norms in the trajectory.

(d) The expenses beyond the control of the Distribution Licensee such as dearness allowance, terminal benefits etc. in Employee cost etc., shall be excluded from the norms

in the trajectory.

(e) The One-time expenses and the expenses beyond the control of the Distribution Licensee shall be allowed by the Commission over and above normative Operation & Maintenance Expenses after prudence check.

(f) The norms in the trajectory shall be specified over the control period with due consideration to productivity improvements.

(g) The norms shall be determined at constant prices of base year and escalation on account of inflation shall be over and above the baseline.

(h) The Distribution Licensee specific trajectory of norms shall be identified by the Commission on the basis of simple average of previous five years audited figures, duly normalized for any abnormal variation.

(i) For new Distribution Licensee whose date of commercial operation is within the tariff period (i.e. April 1, 2015 to March 31, 2020), detailed project report shall be used by the Commission to estimate values of norms.”

- 2.6.5. From the above, it is evident that the extant Regulations provide for detailed norms for consideration/utilization of the O&M expenses that are allowed by the Hon’ble Commission. It is submitted that the O&M expenses allowed to the Discoms are to be mandatorily utilized in terms of the prevailing norms and take into account various factors. Therefore, the observation of the Hon’ble Commission that the Discoms are allowed adequate O&M expenses which should be further utilized to meet the expenses incurred by UPPCL in procuring power for the Discoms is not correct.
- 2.6.6. Further, it is submitted that UPPCL itself has to take into account various factors while utilizing the O&M expenses allowed to it. The same has to be utilized in terms of the norms laid down in the Regulations framed by the Hon’ble Commission. Disallowance of the same by the Hon’ble Commission would have an adverse impact on the financial health of UPPCL as well as UP Discoms, including the Petitioner.
- 2.6.7. It is further submitted that various other Electricity Regulatory Commissions allow O&M expenses pertaining to procurement of power incurred by the holding Distribution Company of the State Discoms. The details of the same are provided below:-

Sr. No.	State	Holding Company	Allocation methodology as approved by the Commission	Order Considered	Ref Page No.
1	Madhya Pradesh	MPPMCL	Allocated the MPPMCL O&M expenses to three Discoms based on total energy	Tariff Order for FY 2018-19 dated	Para 3.76 and Page 77

Sr. No.	State	Holding Company	Allocation methodology as approved by the Commission	Order Considered	Ref Page No.
2	Gujarat	GUVNL	GUVNL is charging Rs.0.04 for every transaction of the unit. The total cost has been arrived at after considering the total dispatchable units required to be served to all the four DISCOMs. Further this total GUVNL cost is added to total Variable cost of Power Purchase and allocated with Power Purchase cost among all the Discoms	Tariff Order for FY 2019-20 dated 24.4.2019	Para 5.8.3.2 Page 112
3	Bihar	BSP(H)CL	Allocation basis not there in Tariff Order. But the Commission allowed the expenses as booked in the Accounts of Discoms, Transco and Genco. Further, In Tariff Order for FY 2016-17 SBPDCL has submitted that BSPHCL provides common services to all segregated entities and as per the Transfer Scheme “operating expenses incurred by the Holding Company like administration and general expenses, legal and consulting fees, etc. would be shared by the BSPGCL, BSPTCL, SBPDCL and NBPDC in the ratio of their respective	Tariff Order for FY 2019-20 dated 25.2.2019 and Tariff Order for FY 2016-17 dated 21.3.2016	For T.O for FY 2019-20, Para 7.2.6 Page 364

2.6.8. UPPCL has now allocated its O&M expenses to all of its subsidiary State Government Distribution Licensees, in a rational and transparent manner in the books of accounts w.e.f FY 2019-20. Allocation methodology is attached as Annexure A.

2.6.9. The Petitioner requests to the Hon’ble Commission to allow the allocation methodology and the allocated UPPCL O&M expenses.

2.7. Sharing Of Gains On Savings In O&M Expenses

2.7.1. The Hon’ble Commission in the True-up Order for FY 2018-19 has disallowed sharing of

gains on savings in O&M expenses stating that the same is not attributable to the efficiency of the Discom. The Hon'ble Commission further stated that such wide variations cannot be on account of efficiency of the Discoms.

- 2.7.2. It is submitted that the MYT Regulations, 2014 provide for the methodology for consideration of O&M expenses. Regulation 25 of the MYT Regulations, 2014, inter-alia, provides that such expenses are inextricably linked to the inflation index as determined under the said Regulations. The relevant extract is reproduced below:-

“25. Operation & Maintenance Expenses

(a) The Commission shall stipulate a separate trajectory of norms for each of the components of O&M expenses viz., Employee cost, Repairs and maintenance (R&M) expense and Administrative and General Expense (A&G) expense. Provided that such norms may be specified for a specific Distribution Licensee or a class of Distribution Licensees.

(b) Norms shall be defined in terms of combination of number of personnel per 1000 consumers and number of personnel per substation along with annual expenses per personnel for Employee cost; combination of A&G expense per personnel and A&G expense per 1000 consumers for A&G expenses and R&M expense as percentage of gross fixed assets for estimation of R&M expenses:

(c) One-time expenses such as expense due to change in accounting policy, arrears paid due to pay commissions etc., shall be excluded from the norms in the trajectory.

(d) The expenses beyond the control of the Distribution Licensee such as dearness allowance, terminal benefits etc. in Employee cost etc., shall be excluded from the norms in the trajectory.

(e) The One-time expenses and the expenses beyond the control of the Distribution Licensee shall be allowed by the Commission over and above normative Operation & Maintenance Expenses after prudence check.

(f) The norms in the trajectory shall be specified over the control period with due consideration to productivity improvements.

*(g) The norms shall be determined at constant prices of base year and **escalation on account of inflation shall be over and above the baseline....”***

- 2.7.3. From the above, it is evident that the norms for consideration of O&M expenses are to be determined at constant prices of the base year, i.e., the financial year immediately preceding the first year of the control period (FY 2016-17 in terms of MYT Regulations, 2014) which is in turn based on the audited accounts available. However, any escalation on account of inflation shall be over and above such baseline. Therefore, the Hon'ble Commission's reasoning that reduction in O&M is due to considerable reduction in all the components, like sales, power purchase, O&M expenses etc. is incorrect and any savings/reduction thereon is on account of efficiency gains of the Discoms. As such, the approach adopted by the Hon'ble Commission is contrary to the Regulations notified by the Hon'ble Commission.

- 2.7.4. It is submitted that Regulation 9 of the MYT Regulations, 2014, *inter-alia*, provide that any variation in the O&M expenses is a controllable factor. The relevant extract is reproduced below:-

“9. Controllable and uncontrollable factors

...

9.2 Some illustrative variations or expected variations in the performance of the applicant, which may be attributed by the Commission to controllable factors include, but are not limited to the following:

- (a) Variations in capital expenditure on account of time and / or cost overruns / efficiencies in the implementation of a capital expenditure project not attributable to an approved change in scope of such project, change in statutory levies or force majeure events;*
- (b) Variations in Aggregate Technical & Commercial (AT&C) losses which shall be measured as the difference between the units input into the distribution system and the units realized (units billed and collected) wherein the units realized shall be equal to the product of units billed and collection efficiency (where Collection Efficiency shall be measured as ratio of total revenue realized to the total revenue billed for the same year);*
Detailed methodology for computation of AT&C loss has been indicated in Annexure B to these regulations;
- (c) Distribution Losses which shall be measured as the difference between total energy input for sale to all its consumers and sum of the total energy billed in its license area in the same year;*
- (d) Variations in Return on Equity (ROE), depreciation and working capital requirements;*
- (e) Failure to meet the standards specified in the Standards of Performance Regulations, except where exempted;*
- (f) Variation in operation & maintenance expenses, except those attributable to directions of the Commission;”***

- 2.7.5. From the above, it is evident that any variation in O&M expenses falls within the purview of controllable factors and accordingly any sharing of losses or gains on account of the same has to be dealt with in terms of Regulation 11 of the MYT Regulations, 2014 which, *inter-alia*, provides that:-

“11. Mechanism for sharing of gains or losses on account of controllable factors

...

11.2 The approved aggregate loss to the Distribution Licensee on account of controllable factor shall be dealt with in the following manner:

- (a) One-half of the amount of such loss may be passed on as an additional charge in tariff over such period as may be stipulated in the Order of the Commission; and*

(b) *The balance amount of loss shall be absorbed by the Distribution Licensee.”*

2.7.6. It is submitted that the Hon'ble Commission, in the True-up Order for FY 2018-19 has allowed sharing of efficiency gains on account of controllable parameters such as variation in distribution losses for some of the Discoms, while disallowed sharing of efficiency loss for another controllable parameter i.e., O&M expenses for all Discoms.. It is humbly submitted that the Hon'ble Commission approach in the matter is inconsistent which implies unequal and discriminatory treatment.

2.7.7. It is submitted that Regulation 9 of the MYT Regulations, 2014, *inter-alia*, provide that any variation in the O&M expenses is a controllable factor. The relevant extract is reproduced below:-

“9. Controllable and uncontrollable factors

...

9.2 Some illustrative variations or expected variations in the performance of the applicant, which may be attributed by the Commission to controllable factors include, but are not limited to the following:

- (a) *Variations in capital expenditure on account of time and / or cost overruns / efficiencies in the implementation of a capital expenditure project not attributable to an approved change in scope of such project, change in statutory levies or force majeure events;*
- (b) *Variations in Aggregate Technical & Commercial (AT&C) losses which shall be measured as the difference between the units input into the distribution system and the units realized (units billed and collected) wherein the units realized shall be equal to the product of units billed and collection efficiency (where Collection Efficiency shall be measured as ratio of total revenue realized to the total revenue billed for the same year);*
Detailed methodology for computation of AT&C loss has been indicated in Annexure B to these regulations;
- (c) *Distribution Losses which shall be measured as the difference between total energy input for sale to all its consumers and sum of the total energy billed in its license area in the same year;*
- (d) *Variations in Return on Equity (ROE), depreciation and working capital requirements;*
- (e) *Failure to meet the standards specified in the Standards of Performance Regulations, except where exempted;*
- (f) ***Variation in operation & maintenance expenses, except those attributable to directions of the Commission;”***

2.7.8. From the above, it is evident that any variation in O&M expenses falls within the purview of controllable factors and accordingly any sharing of losses or gains on account of the same has to be dealt with in terms of Regulation 11 of the MYT Regulations, 2014 which, *inter-*

alia, provides that:-

“11. Mechanism for sharing of gains or losses on account of controllable factors

...

11.2 The approved aggregate loss to the Distribution Licensee on account of controllable factor shall be dealt with in the following manner:

- (a) One-half of the amount of such loss may be passed on as an additional charge in tariff over such period as may be stipulated in the Order of the Commission; and
- (b) The balance amount of loss shall be absorbed by the Distribution Licensee.”

2.7.9. It is submitted that The Hon’ble Commission in Section 5.4 (Table 5-13, 5-14, 5-15, 5-16, 5-17) of its Tariff Order for FY 2018-19 dated 22.01.2019, *inter-alia*, approved the normative gross/overall O&M expenses for all the Discoms. The relevant extract is reproduced below:-

“5.4.8 It is observed that the actual audited O&M expenses of all the Discoms i.e. DVVNL, MVVNL, PVVNL, PuVVNL and KESCO for FY 2016-17 are higher than the normative O&M expenses computed based on the above Regulations. The Licensees have claimed the normative O&M Expenses. Therefore, since the Licensees have to restrict their O&M expenses within the normative level, the expenses beyond normative level have not been allowed by the Commission. The Commission has approved the normative O&M expenses for FY 2016-17 for all the Discoms. However, there is slight variation in the approved and claimed figures due to variation in escalation indices considered as depicted in the above paras.”

2.7.10. Therefore, the methodology adopted by the Hon’ble Commission in considering lower of the normative/audited figures for each individual head of O&M expenses is contrary to the MYT Regulations, 2014 as well as the approach adopted by the Hon’ble Commission itself in its previous orders.

2.7.11. Based on the aforementioned discussion, the Petitioner has claimed the O&M expense sharing and request the Hon’ble Commission to allow the same.

2.7.12. Based on the above submission, the summary of the Operation & Maintenance expenses (O&M) approved in the Tariff Order for FY 2019-20 vis-a-vis the O&M expenses claimed are shown in the table below:

Table 2-14: Operation & Maintenance Expenses for FY 2019-20 (Rs. Crore)

Particulars	Approved	Actual	Normative	Claimed
Repair & Maintenance Expenses	1,771.30	869.83	994.79	869.83
Employee Expenses	829.67	769.55	1,820.61	769.55
Administrative and General Expenses (including Arrears)	174.62	441.25	164.46	441.25
Gross O&M Expenses	2,775.60	2,080.63	2,979.86	2,080.63

Particulars	Approved	Actual	Normative	Claimed
Less:				
Employee Expenses capitalized	265.97	460.33	460.33	460.33
Administrative and General Expenses capitalized	-	0	0	0
Expenses Capitalized	265.97	460.33	460.33	460.33
Net O&M Expenses	2,509.63	1,620.29	2,519.53	1,620.29
Add: efficiency (Gain)/Loss				451.38
O&M expenses after sharing of gains / Losses	2,509.63			2,071.67
Smart Meter OPEX				18.48
O&M expenses Claimed	2509.63			2,090.15

**Actual/Audited A&G expenses are Rs. 441.25 Crore which includes Smart meter OPEX of Rs. 18.48 Crore. We have separately shown the smart meter expenses i.e. A&G-Rs. 422.77 Crore and Smart Meter Opex Rs. 18.48 Crore and request the Hon'ble Commission to allow smart meter Opex expenses also.*

2.8. Capital Investment, Capitalisation and Financing

2.8.1. Details of the capex schemes (submitted in the MYT Formats) are shown in the Table below.

Table 2-15: Schemes for FY 2019-20 (Rs Crore)

Scheme wise	Investments	Capitalisation
Other Schemes	1860.26	2040.41
RGGVY 11th Plan and 12th Plan	36.88	777.79
DDUGJY	185.72	578.38
RAPDRP	0.00	301.97
IPDS	291.08	1,010.85
SAUBHAGYA YOJNA	724.87	1,721.64
Less: Employee Capitalization	460.33	460.33
Less: Interest Capitalization	225.36	225.36
Total including Interest and employee capitalization (A)	2,413.12	5,745.35
Add: Employee Capitalization (B)	460.33	460.33
Add: Interest Capitalization (C)	225.36	225.36
Total (D= A+B+C)	3,098.81	6,431.04
Asset not belonging to Discoms (E)		
Total (F= D+E))	3,098.81	6,431.04

2.8.2. Considering the Capital Work in Progress Balances (CWIP) and Gross Fixed Asset (GFA) balances as per Audited Accounts, the Petitioner has derived the actual capital investments undertaken by it during FY 2019-20. The details are provided in the table below:

Table 2-16: Capital Investment in FY 2019-20 (Rs. Crore)

Particulars	Derivation	Approved	Claimed
Opening WIP as per closing of Truing-up for FY 2018-19	A	2,599.09	5,617.89
Investments	B	1,136.20	2,413.12
Employee Expenses capitalization	C	265.97	460.33
A&G Expenses Capitalisation	D	-	-
Interest Capitalisation on Interest on long term loans	E	97.97	225.36
Total Investments	F= A+B+C+D+E	4,099.23	8,716.70
Transferred to GFA (Total Capitalisation)	G	1,639.69	6,431.04
Closing WIP	H=F-G	2,459.54	2,285.66

- 2.8.3. The Hon'ble Commission in its previous Tariff Orders had considered the funding of Capital Expenditure for the Central Schemes RGGVY 11th Plan, DDUGJY, RAPDRP, and IPDS as follows:

Table 2-17: Schemes for FY 2019-20

Scheme	Allowed	Deducted (Grant)
RGGVY 11th Plan	10%	90%
DDUGJY	40%	60%
RAPDRP	75%	25%
IPDS	40%	60%
Saubhagya Yojhna	40%	60%

- 2.8.4. Accordingly, capital grants provided by GoI for capital investments of above central schemes has been added with the consumer contribution.
- 2.8.5. The Table below summarises the amounts received towards consumer contributions, capital grants and subsidies in FY 2019-20:

Table 2-18: Consumer Contributions, Capital Grants and Subsidies in FY 2019-20 (Rs. Crore)

Particulars	Approved	Claimed
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets (as per closing of Truing-up for FY 2018-19)	1773.69	4,032.97
Additions during the year includes consumer contribution and grants	143.13	911.29
Less: Amortisation on consumer contribution part only	80.84	123.45
Closing Balance	1835.98	4,820.82

- 2.8.6. As discussed in above tables, the capital investment eligible for financing after deducting consumer contribution and grant is shown in the table below. The Petitioner has considered the same approach as in previous Orders and therefore, considered the funding of capital expenditure in the ratio of 70:30. Considering this approach, 70% of the capital expenditure undertaken during the year has been financed through loan and balance 30% has been financed through equity contributions.

Table 2-19: Financing of the Capital Investments in FY 2019-20 (Rs. Crore)

Particulars	Derivation	Approved	Claimed
Investment	A	1136.2	2,413.12
Less:			
Consumer Contribution and Grants	B	143.13	911.29
Investment funded by debt and equity	C=A-B	993.07	1,501.82
Debt Funded	70% of C	695.15	1,051.28
Equity Funded	30% of C	297.92	450.55

2.9. Interest & Finance Charges

Interest on Long Term Loan

- 2.9.1. The Hon'ble Commission in its previous Tariff and True-Up orders had considered a normative tariff approach with a debt equity ratio of 70:30. Considering this approach, 70% of the capital expenditure undertaken (after deducting consumer contributions, capital subsidies and grants) in any year was financed through loan and balance 30% has been financed through equity contributions. The portion of capital expenditure financed through consumer contributions, capital subsidies and grants are separated and the depreciation, interest and return on equity thereon was not charged to the consumers. The amounts received as consumer contributions, capital subsidies and grants were traced from the Audited accounts. Subsequently, the financing of the capital investment was worked out based on the debt equity ratio of 70:30 and allowable depreciation was considered as normative loan repayment.
- 2.9.2. The Petitioner has worked-out the interest on long term loan based on the same philosophy.
- 2.9.3. The opening balance of long-term loan has been considered equivalent to the closing loan balance for FY 2018-19 as approved by the Hon'ble Commission in Tariff Order for FY 2020-21 dated 11.11.2020.
- 2.9.4. Allowable depreciation for the year has been considered as normative loan repayment. The actual weighted average rate (Details are submitted in Format F 31 of the MYT Tariff Formats) as per Audited accounts has been considered for computing the eligible interest expenses.

- 2.9.5. Considering the above, the interest on long term loan has been computed below. The interest capitalisation rate has been considered as per Audited accounts. The computations for interest on long term loan are shown in table below:

Table 2-20: Allowable Interest on Long Term Loan for FY 2019-20 (Rs. Crore)

Particulars	Approved	Claimed
Opening Loan	5386.06	5,596.53
Loan Additions (70% of Investments) as per aforementioned “financing of Capital investment” section	695.15	1,051.28
Less: Repayments (Depreciation allowable for the year)	393.10	243.17
Closing Loan Balance	5688.11	6,404.64
Weighted Average Rate of Interest	11.30%	10.24%
Interest on long term loan	625.91	614.35
Interest Capitalisation Rate	16%	37%
Less: Interest Capitalized	97.97	225.36
Net Interest Charged	527.93	388.98

- 2.9.6. The Petitioner requests Hon’ble Commission to allow interest on long-term loans for FY 2019-20 as computed in above table.

Interest on Consumer Security Deposits

- 2.9.7. The Petitioner humbly submits that the actual interest on consumer security deposit paid during FY 2019-20 is to the tune of Rs. 24.25 Crore as per Audited Accounts for FY 2019-20 against Rs. 33.38 Crore approved in the Tariff Order for FY 2019-20. The Petitioner requests the Hon’ble Commission to approve the consumer security deposit paid during FY 2019-20 is to the tune of Rs. 24.25 Crore as per Audited Accounts for FY 2019-20.

Bank and Finance Charges

- 2.9.8. The Petitioner humbly submits that has incurred bank and finance charges to the tune of Rs. 8.40 Crore as per Audited Accounts for FY 2019-20 towards expenditures like bank charges, finance charges, etc. as against Rs. 32.26 Crore approved in Tariff Order. The Petitioner requests to approve the same.

2.10. Interest on Working Capital

- 2.10.1. The Petitioner worked-out interest on working capital for FY 2019-20 as per Regulation 28 of the Multi Year Tariff Distribution Regulations, 2014. The Regulation 28 is quoted below:

“28. Interest on Working Capital

The Distribution Licensee shall be allowed interest on estimated level of working capital for the financial year, computed as follows:

a) O&M expenses for one month.

b) Two months equivalent of expected revenue. c) Maintenance spares @ 40% of R&M expenses for two months.

Less:

Security deposits from consumers, if any.

Provided that the interest on working capital shall be on normative basis and rate of interest shall be equal to the State Bank Advance Rate (SBAR) as of the date on which petition for determination of tariff is accepted by the Commission.

Provided further that interest shall be allowed on consumer security deposits as per the provisions of the Electricity Supply Code, 2005 and its subsequent amendments / addendums & the new regulations made after repeal of the same.”

- 2.10.2. The detailed working of Interest on Working Capital for FY 2019-20 is shown in table below:

Table 2-21: Interest on Working Capital for FY 2019-20 (Rs. Crore)

Particulars	Approved	Claimed
O&M expenses for 1 month	209.14	174.18
Two months equivalent of expected revenue	2366.87	2,488.42
Maintenance spares @ 40% of R&M expenses for two months	55.31	57.99
Less: Security deposits from consumers, if any	453.13	429.86
Total Working Capital	2,178.19	2,290.72
State Bank Advance Rate (SBAR) %	13.80%	13.80%
Interest on Working Capital	300.59	316.12

The following table summarizes the Interest and Finance charges claimed by the Petitioner as against those approved by the Hon'ble Commission in the Tariff Order for FY 2019-20.

Table 2-22: Interest and Finance Charges for FY 2019-20 (Rs. Crore)

Particulars	Approved	Claimed
A: Interest on Long Term Loans		
Gross Interest on Long Term Loan	625.91	614.35
Less: Interest Capitalization	97.97	225.36
Net Interest on Long Term Loans	527.94	388.98
B: Finance and Other Charges		
Interest on Consumer Security Deposits	33.38	24.25
Bank/ Finance Charges	32.26	8.40
Total Finance Charges	65.64	32.65
C: Interest on Working Capital	300.59	316.12
Total (A+B+C)	894.16	737.76

- 2.10.3. The Petitioner requests the Hon'ble Commission to approve the Interest and Finance charges as shown in the above Table.

2.11. Depreciation

2.11.1. The Petitioner has computed the allowable depreciation expense on the GFA base as per Audited Accounts for FY 2019-20 and at the rates approved by the Hon'ble Commission in MYT Distribution Tariff Regulations, 2014. The Petitioner has computed the depreciation only on the depreciable asset base and has excluded the non-depreciable assets such as land, land rights, etc. Further, the Petitioner has traced the figures in respect of depreciation charged on assets created out of consumer contributions, capital grants and subsidies from the Audited accounts for FY 2019-20. This equivalent depreciation amounting has been reduced from the allowable depreciation for FY 2019-20. The Petitioner requests to approve the same. Considering this philosophy, the gross entitlement towards depreciation has been computed as shown in the Table below:

Table 2-23: Gross Allowable Depreciation for FY 2019-20 (Rs. Crore)

Particulars	Opening GFA as approved by UPERC (Closing of FY 2018-19)	Cumulative Depreciation up to 31.3.2019	Opening Written down GFA (as on 1.4.2019)	Addition to GFA	Deduction to GFA	Deduction of Grants	Closing Written down GFA (as on 31.3.2020)	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
Land	0.72	0.00	0.72	0.00	0.00	0.00	0.72	0.72	0.72	0.00%	0.00
Buildings	129.64	48.08	81.56	17.73	0.00	0.00	99.29	147.36	90.43	3.34%	3.02
Plant & Machinery	5,144.90	1,907.95	3,236.95	3,770.93	780.02	2,469.24	3,758.63	5,666.57	3,497.79	5.28%	184.68
Lines & Cables	3,492.98	1,295.34	2,197.64	2,588.57	68.63	217.26	4,500.31	5,795.65	3,348.97	5.28%	176.83
Office Equipment's	6.19	2.30	3.89	53.37	0.01	0.00	57.26	59.55	30.58	6.33%	1.94
Furniture & Fixtures	1.34	0.50	0.85	0.45	0.00	0.00	1.29	1.79	1.07	6.33%	0.07
Vehicles	1.08	0.40	0.68	0.00	0.00	0.00	0.68	1.08	0.68	6.33%	0.04
Capital Expenditure on Assets not belonging to utility	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00
TOTAL	8,776.85	3,254.56	5,522.29	6,431.04	848.66	2,686.53	8,418.17	11,672.73	6,970.23	5.26%	366.58

- 2.11.2. Accordingly, the depreciation as approved by the Hon'ble Commission in its Tariff Order FY 2019-20 and as computed above is shown as under:

Table 2-24: Net Allowable Depreciation for FY 2019-20 (Rs. Crore)

Particulars	Approved	Claimed
Gross Allowable Depreciation	473.94	366.58
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	80.84	123.41
Net Allowable Depreciation	393.10	243.17

2.12. Provision for Bad and Doubtful Debts

- 2.12.1. The Regulation 29 of the MYT Distribution Regulations, 2014 provides for expenses under bad and doubtful debts to the extent of 2% of the revenue receivables as specified below:

“29. Bad and Doubtful Debts:

Bad and Doubtful Debts shall be allowed as a legitimate business expense with the ceiling limit of 2% of the revenue receivables provided the distribution licensee actually identifies and writes off bad debts as per the transparent policy approved by the Commission. In case there is any recovery of bad debts already written off, the recovered bad debt will be treated as other income.”

- 2.12.2. The Petitioner has computed bad and doubtful debts at 2% of the revenue receivables as per Audited accounts of FY 2019-20.

Table 2-25: Allowable Provision for Bad and Doubtful Debts for FY 2019-20 (Rs Crore)

Particulars	Approved	Claimed
Total Revenue Receivables from Retail Sales		14,930.50
% of Provision for Bad and Doubtful Debts		2.00%
Bad and Doubtful Debts as per Regulation		298.61
Bad and Doubtful Debts as per Account		164.61
Bad Debt Claimed	261.71	164.61

- 2.12.3. The Petitioner requests to approve the bad debts claimed in above Table.

2.13. Return on Equity

- 2.13.1. The Regulation 31 of the Distribution MYT Regulations, 2014 provides for return on equity @16% as specified below:

“31 Treatment of Return on equity

a) Return on equity shall be computed on 30% of the capital base or actual equity, whichever is lower:

Provided that assets funded by consumer contribution, capital subsidies / grants and corresponding depreciation shall not form part of the capital base. Actual equity infused in the Distribution Licensee as per book value shall be considered as perpetual and shall be used for computation in these regulations.

b) 16% (sixteen) post-tax return on equity shall be considered irrespective of whether the Distribution Licensee has claimed return on equity in the ARR petition.”

- 2.13.2. The Petitioner has considered closing equity approved by the UPERC in its true up Order for FY 2018-19 as opening for FY 2019-20. Equity addition during the year has been considered 30% of GFA addition during the year net of consumer contribution, capital subsidies/ grants.
- 2.13.3. The Return on Equity (RoE) for FY 2019-20 is shown below:

Table 2-26: Return on Equity RoE for FY 2019-20 (Rs Crore)

Particulars	Approved	Claimed
Opening Equity	2660.62	2,438.91
Additions (30% of Capitalization net of Consumer Contribution and Grants)	491.91	1,076.22
Closing Equity	3107.83	3,515.13
Rate of Return on Equity (%)	16.00%	16.00%
Allowable Return on Equity	461.48	476.32

- 2.13.4. The Petitioner requests the Hon'ble Commission to approve the RoE as claimed in the above Table.

2.14. Revenue from Sale of Power

- 2.14.1. The Hon'ble Commission had projected revenue from sale of power to Rs. 14,201.20 Crore in Tariff Order for FY 2019-20. The Audited Accounts have reported the actual revenue from sale of power to be Rs. 11,641.41 Crore towards electricity sales of 21,237.26 MU. The Petitioner requests the Hon'ble Commission to approve the same.

2.15. Non-Tariff Incomes (NTI)

- 2.15.1. The Petitioner submits that against the projected non-tariff incomes of Rs. 18.93 Crore in the Tariff Order for FY 2019-20, the actual non-tariff incomes is Rs. 284.31 Crore (including DPS amounting Rs. 264.74 Crore but excluding financing cost of DPS).
- 2.15.2. The Hon'ble Commission in its Tariff Order for NPCL dated 03 November 2019, has allowed the Cost of Borrowing for Delayed Payment Surcharge as an additional expenditure and reduced the NTI by the financing cost of DPS. The relevant extract of the NPCL Tariff Order, dated 3 September 2019 is reproduced below:

“3.24.6 In Order to appropriately compensate for the cost incurred for financing the deferred payment beyond the normative period, the Commission in Tariff Order dated June 18, 2015 had reduced the amount of Non-Tariff Income by the financing costs of DPS. Therefore, the financing cost of DPS is computed by the Petitioner by grossing up the DPS conservatively based on the highest applicable surcharge rate, which is 1.5% per month. In this regard, the Commission vide mail to the Petitioner enquired as under:

3.24.8 The financing cost of DPS is computed by the Commission based on the actual DPS for the year. The DPS is grossed up conservatively based on the highest applicable surcharge rate, which is 2% per month, however, the Petitioner has taken surcharge rate as

1.5% per month. Further, the financing cost is arrived at on the grossed-up amount and interest rate of 13.75%, as approved for working capital requirement.”

- 2.15.3. Accordingly, the Petitioner is claiming the financing costs of DPS as shown in the Table below:

Table 2-27: Financing costs of DPS for FY 2019-20 (Rs. Crore)

Particulars	FY 2019-20
Delayed payment Surcharge Received	264.74
DPS grossed-up at 2% per month	24%
Amount after grossing-up of DPS	1103.10
Applicable interest rate for working capital finance	13.80%
Financing costs of DPS	152.23

- 2.15.4. The approved and claimed non-tariff income is shown in table below:

Table 2-28: Non- Tariff income for FY 2019-20 (Rs. Crore)

Particulars	Approved	Claimed
Fixed Deposit		
Rents		0.12
Interest income on loans / advances to employees;		0.00
Interest on Advances to Suppliers / Contractors		2.81
Delayed Payment surcharge		264.74
Miscellaneous Receipts from consumers (excluding income from Cross-subsidy surcharge i.e., Rs 15.34 Crore)		1.77
Less: Financing cost of DPS		152.23
Total	18.93	269.44

- 2.15.5. The Petitioner requests the Hon'ble Commission to allow the cost of financing of DPS as a part of the Non-Tariff income claimed in above Table.

2.16. GoUP Subsidy

- 2.16.1. In the Tariff Order for FY 2019-20, the Hon'ble Commission had projected the revenue subsidy from GoUP to be Rs. 2,958.41 Crore. However, the actual revenue subsidy received from GoUP as per Audited Accounts is Rs. 3,289.09 Crore. The Petitioner requests the Hon'ble Commission to approve the same.

2.17. Additional Subsidy

- 2.17.1. The Petitioner submits that the Hon'ble Commission in its True-up Order for FY 2018-19 dated 11.11.2020 has not considered the additional subsidy from GoUP.
- 2.17.2. The Petitioner again humbly prays to the Hon'ble Commission, to not consider any additional subsidy for FY 2019-20 and revisit the earlier considered approved amount of additional subsidy as per the provision of tariff policy.

2.18. Aggregate Revenue Requirement (ARR) for FY 2019-20 after final Truing Up

2.18.1. The Aggregate Revenue Requirement for FY 2019-20 after final truing up is summarised in the table below:

Table 2-29: Aggregate Revenue Requirement (ARR) for FY 2019-20 (Rs Crore)

Sr. No.	Particular	FY 2019-20	
		Approved	Claimed
1	Power Purchase Expenses including PGCIL charges and sharing	12,359.22	13,444.13
2	Transmission Charges	476.75	804.03
3	Total O&M expenses net of capitalisation and including sharing	-	2,090.15
4	Interest and Finance charges	894.16	737.76
5	Contribution towards Contingency Fund	-	-
6	Depreciation	393.10	243.17
7	Prior Period Expenses	-	-
8	Bad and Doubtful Debts	261.71	164.61
9	Gross Expenditure	14,384.94	17,483.83
10	Add: Return on Equity	461.48	476.32
11	Less: Non-tariff Incomes	18.93	284.31
12	Less: revenue from Cross-subsidy (Short-term open access consumers)		0.57
13	Annual Revenue Requirement	14,827.48	17,675.27
14	Revenue from Tariff incl DPS	14,201.20	11,641.41
15	GoUP Subsidy	2,958.41	3,289.09
16	Net Revenue (Gap)/surplus	2,332.14	(2,744.77)

3. Annual Performance Review (APR) for FY 2020-21

3.1. Consumption Parameters: Consumer Numbers, Connected Load and Sales

- 3.1.1. The petitioner while projecting the billing determinants (number of consumers, load and energy sales) for FY 2020-21, in its Business Plan Petition had considered appropriate growth rate for different categories considering the impact of economic lockdown during the first half of the FY 2020-21 due to Covid-19 pandemic. It is submitted that the Hon'ble Commission, while approving the sales for FY 2020-21, in its Business Plan Order dated 27 October 2020, had considered a higher energy sales for FY 2020-21, which seems to be not achievable under the current circumstances.
- 3.1.2. The petitioner further submits that based on the provisional figures available till December 2020, the petitioners revised estimates for FY 2020-21 are even lower than the sales than the projections submitted to Hon'ble Commission in the Business Plan Petition and ARR Petition for FY 2020-21. The petitioner is unlikely to achieve the category-wise and total energy sales approved by the Hon'ble Commission. It is further submitted that due to impact of the pandemic of COVID-19 and recent lockdowns, the demand scenario of not only the State, but whole Country remained very uncertain and unstable during FY 2020-21. The petitioner, therefore, requests the Hon'ble Commission to consider the billing determinants for FY 2020-21 as per revised estimates submitted in this Petition, which is more realistic and based on provisional figures till December 2020.
- 3.1.3. The Category-wise billing determinants as approved by the Hon'ble Commission and the revised estimates now submitted by the petitioner for FY 2020-21 is shown in the Table below:

Table 3-1: Consumption Parameters for FY 2020-21

Categories	Approved by Commission			Revised Estimates		
	Consumers (No.)	Connected Load (kW)	Sales (MUs)	Consumers (No.)	Connected Load (kW)	Sales (MUs)
LMV-1 Domestic light fan & power	80,03,162	1,12,74,758	13,930.06	7,717,101	10,940,422	12,459.78
LMV-2-Non domestic light fan & power	4,40,872	13,55,289	1,573.12	425,251	1,307,195	1,874.31
LMV-3 Public lamps	352	43,206	102.65	352	43,205	131.01
LMV-4 Light, fan & power for public/private institution	22,950	1,32,785	144.42	22,258	128,674	278.31
LMV-5 Private tube well/pumping sets	3,21,091	13,73,895	2,296.31	311,933	1,334,732	2,428.86
LMV-6 Small & medium power upto 100 hp/75kw	31,357	3,51,207	440.63	30,619	342,611	585.88
LMV-7 Public water works	3,481	1,14,866	345.39	3,419	112,319	390.88
LMV-8 State tube wells & pumps canal upto 100 hp (lmv-8)	11,620	2,05,055	1,007.68	11,605	211,118	1,098.36

Categories	Approved by Commission			Revised Estimates		
	Consumers (No.)	Connected Load (kW)	Sales (MUs)	Consumers (No.)	Connected Load (kW)	Sales (MUs)
Lmv-9 Temporary supply	290	3,737	1.09	285	3,664	8.96
LMV- 10 Departmental employees	29,995	99,599	114.95	29,995	99,599	108.34
LMV-11 Electric Vehicles	-	-	-	-	-	-
HV-1 Non industrial bulk load	903	2,74,394	393.49	858	260,078	411.07
HV-2 Large & heavy power above 100 bhp (75 kw)	1,184	2,63,605	886.99	1,171	258,054	1,220.61
HV-3 Railway traction	-	-	-	1	10,800	16.85
HV-4 Lift irrigation & p. canal above 100 bhp (75kw)	32	1,40,638	486.48	32	140,638	463.77
Bulk supply	-	-	-	-	-	-
Extra State Consumer	-	-	-	1	770	3.01
Total	88,67,289	1,56,33,034	21,723.27	8,554,882	15,193,880	21,480.00

3.2. Distribution Loss

- 3.2.1. It is submitted that the distribution loss trajectory for the period FY 2020-21 to FY 2024-25 was approved by the Hon'ble Commission in its Business Plan Order dated 27.10.2020. Hence, the Hon'ble Commission has not deliberated upon the same in the Tariff Order for FY 2020-21 and merely held that distribution loss trajectory as approved in Order dated 27.10.2020 will be applicable for FY 2020-21.
- 3.2.2. The Hon'ble Commission by its Business Plan Order dated 27.10.2020, completely ignoring the present ground realities and the actual distribution losses of the Petitioner has approved a stringent and an unachievable distribution loss trajectory for the MYT control period i.e., FY 2020-21 to FY 2024-25 holding that: -
- Petitioner cannot seek distribution loss trajectory higher than what has been allowed by the Commission for the previous MYT control period i.e., FY 2017-2020, since the same would defeat the intent of the MYT framework.
 - Distribution loss trajectory shall be as per the MOU dated 30.01.2016 signed by Licensees under the UDAY scheme, which is binding.
 - For the purpose of reduction in distribution losses, adequate capital expenditure has been provided to the Petitioner in the ARR for the control period FY 2017-18 to FY 2019-20. Accordingly, Petitioner have made substantial investments for loss reduction through various State and Central Government schemes and programs. Therefore, now there is no justification for allowing a higher loss trajectory to the Licensees as it will amount to double whammy for the consumers who are paying for the system improvement cost through enhanced tariffs and would also have to bear the cost of increased distribution losses.

3.2.3. It is submitted that the objective of the UDAY scheme was reduction in AT&C losses, while the distribution loss trajectory was linked through collection efficiency. In terms of the applicable regulatory framework the distribution loss trajectory specified in the MoU dated 30.01.2016 (signed by Petitioner pursuant to the UDAY scheme) is not binding for the purpose of tariff determination by the Hon'ble Commission. In this regard reliance is placed upon Regulation 43.2 of MYT Regulations 2019, in terms of which the trajectory committed under UDAY scheme has to be merely considered by the Petitioner while submitting the distribution loss trajectory for approval by The Hon'ble Commission: -

“43.2 The Distribution Licensee shall submit the Distribution loss trajectory (taking into consideration the distribution loss trajectory committed in UDA Y) along with its Business Plan for the Commission's approval.”

3.2.4. In this regard it is noteworthy that: -

- (a) Even Assam State Electricity Regulatory Commission by its MYT Order dated 01.03.2019 while approving the distribution losses for the State Discoms for FY 2019-20 has not considered the UDAY loss trajectory and allowed a higher distribution loss of 16% as compared to 14.57% approved under the UDAY Scheme. ASERC had given such relaxation to the State Discom considering the inverse LT:HT ratio and massive electrification under Saubhagya Scheme.
- (b) The distribution loss trajectory agreed under the UDAY MoU was based on then existing circumstances i.e., consumer mix, existing LT/HT Network and number of metered/unmetered consumers. However, in the recent past the consumer mix has undergone a significant change with increase in rural consumers and decrease in urban consumers. It is an established fact that distribution loss is more in supply to rural consumers due to the inherent problems like pilferage of electricity, billing and collection related issues, inadequate support from law enforcement agency and large number of unmetered consumers.
- (c) Ministry of Power after considering the ground realities which have impacted UP Discom's efforts towards achieving the loss trajectory agreed under the MoU by its letter No.06/01(01)/2020 NEF(U) dated 06.03.2020 has sought for a revised action plan for reduction in distribution losses including AT&C loss trajectory from the Government of U.P. This evinces that the loss trajectory agreed under the UDAY MoU is not sacrosanct, since the same was based on then existing facts and circumstances, which have substantially changed today.

3.2.5. It is submitted that the Petitioner have been making continuous efforts to ensure reduction of distribution losses in order to achieve the loss trajectory specified under the UDAY MoU. For this purpose, UPPCL and UP Discoms including the Petitioners have undertaken various initiatives such as:-

- (a) Development of new infrastructure including strengthening and up-gradation of the existing network.
- (b) Introduction of feeder separation schemes including feeder metering and audit.
- (c) Installation of capacitor banks at various levels across different regions to reduce technical losses.
- (d) Underground cabling and AB cabling has been initiated.
- (e) Installation of more than 45 lakh smart meters for various consumer categories to improve billing and collection efficiency and prepaid meters to reduce distribution and AT&C Losses.
- (f) Audit of CT/PT meters of LT and HT consumers to identify the miscreants.
- (g) Implementation of ERP by FY 2021
- (h) Metering of unmetered connections
- (i) To facilitate timely payment by the consumers; online payment system, spot billing, mobile collection vans and common service centre etc have been introduced recently.
- (j) Constitution of HV Cell to identify high value consumers whose load is more than 10 kW. These consumers are monitored separately for billing, collection efficiency, connection, disconnection and re-connection by HV Cell.
- (k) Energy efficiency schemes viz; Unnat Jyoti by Affordable LEDs and Appliances for All (UJALA), replacement of agriculture pumps with the energy efficient pumps etc.
- (l) Increase in number of raids/inspections to demotivate theft of electricity.

3.2.6. Due to the above-mentioned initiatives and earnest efforts of the Petitioner the distribution losses reduced considerably. However, the pace of accelerated distribution loss reduction plan has been severely affected in recent times on account of the following uncontrollable factors: -

- (a) During the last three financial years, i.e., FY 2017-18, FY 2018-19 and FY 2019-20, Petitioner have undertaken accelerated electrification of consumers on a large scale pursuant to the mandate of Saubhagya Scheme and the State Government's Har Ghar Bijli Yojana to ensure access of electricity to all households in the State of Uttar Pradesh. Accordingly, a large number of rural consumers (at LT level) have been added to UP Discom's consumer base in the total numbers of rural metered consumers. It is pertinent to note that at LT level and especially in rural areas the length of the feeder is generally longer than usual. Hence, such exponential growth in rural-LT level consumers has directly resulted in increase of distribution losses

on the low voltage network and decrease in HT:LT network ratio. A table showing the increase in rural-metered consumer is as below: -

LMV-1: Rural Metered

Discom	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20
	Actual	Actual	Actual	Actual	Revised Estimates
PuVVNL	492,431	527,760	1,222,559	4,140,088	4,668,427

LMV-:Total

Discom	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20
	Actual	Actual	Actual	Actual	Revised Estimates
PuVVNL	4,153,223	4,280,579	4,977,410	7,344,661	7,526,727

- (b) In the wake of COVID-19 pandemic and resulting economic lockdown, Petitioner have experienced drastic reduction in energy sales during FY 2020-21.
- (c) Significant shift in the consumption mix from HT categories and commercial & industrial consumers, is likely to impact the overall distribution loss levels of the Licensees. In fact, it may be possible that the distribution loss levels may actually increase.

3.2.7. In addition to the above it is pertinent to mention that for FY 2018-19 the overall distribution loss sharing component was 2.36% and including incremental sharing of AT&C loss the sharing component was 24.59%. However, provisions relating to sharing of distribution loss and AT&C loss does not exist in the UPERC MYT Regulations, 2019. Hence, Petitioner would not be able to claim any sharing on account of distribution losses during the control period FY 2020-21 to FY 2024-25. Therefore, the only option available with the Discoms was to propose the distribution loss trajectory on the basis of actual loss level of FY 2019-20, and which the Discoms can possibly achieve, otherwise it will result is significant under recovery of power purchase cost. It is important to note that the distribution losses proposed by Petitioner for the MYT period FY 2020-21 to FY 2024-25 are lesser than the total admissible distribution losses as per the erstwhile UPERC MYT Regulations, 2014 (i.e., normative distribution losses + losses as per distribution loss sharing and AT&C Loss sharing).

3.2.8. It is submitted that considering the abovementioned ground realities and the significant impact of Covid-19 pandemic, Petitioner had sought approval of the distribution loss trajectory for FY 2020-21 at similar level as Audited/actual figures for FY 2019-20. From FY

2021-22 onwards, Petitioner has projected a reducing trend in the distribution loss trajectory. However, the Hon'ble Commission despite being completely aware of the above-mentioned ground realities has approved a stringent and an unachievable distribution loss trajectory for the MYT control period i.e., FY 2020-21 to FY 2024-25: -

Distribution Loss Trajectory projection claimed by the UP Discoms and as approved by The Hon'ble Commission for the Control Period FY 2020 to FY 2025

Discom	DISTRIBUTION LOSS TRAJECTORY FOR FY 2020-2025									
	FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		FY 2024-25	
	Claimed	Allowed	Claimed	Allowed	Claimed	Allowed	Claimed	Allowed	Claimed	Allowed
PuVVNL	19.20%	11.83%	18.00%	11.36%	16.20%	10.93%	14.30%	10.55%	13.65%	10.18%

3.2.9. From the above table the following is noteworthy: -

- (a) As per the projection given by the UP Discoms the distribution losses would have significantly decreased in the subsequent years of the MYT period. The increase in Distribution loss is mainly for FY 2020-21 and FY 2021-22 on account of various uncontrollable factors explained above.
- (b) All the five Discoms had projected different distribution loss trajectory considering their own facts specific scenario. However, the Hon'ble Commission has proceeded in a mechanical manner by applying a straight-jacket formula to allow similar reduced trajectory for all Discoms i.e., in the same range.

3.2.10. The Hon'ble Commission has proceeded on an erroneous assumption that UP Discoms cannot seek distribution loss trajectory higher than what has been allowed by the Commission for the previous MYT control period i.e., FY 2017-2020. It is submitted that there is no such restriction envisaged in the Tariff Regulations. Moreover, it is a settled position that normative parameters under the MYT Order and Tariff Regulations ought to be fixed considering past performance (i.e., it should be relatable to past performance), actuals of the previous control period and it should be capable of achievement. In this regard the following is noteworthy: -

- (a) Clause 5.11(f) of Tariff Policy 2016 which lays down the framework for determination of operating norms for distribution tariff: -

“5.11 Tariff policy lays down the following framework for performance based cost of service regulation in respect of aspects common to generation, transmission as well as distribution. These shall not apply to competitively bid projects as referred to in para 6.1 and para 7.1 (6). Sector specific aspects are dealt with in subsequent sections.

f) Operating Norms

*Suitable performance norms of operations together with incentives and disincentives would need to be evolved along with appropriate arrangement for sharing the gains of efficient operations with the consumers. Except for the cases referred to in para 5.11(h)(2), the operating parameters in tariffs should be at “normative levels” only and not at “lower of normative and actuals”. This is essential to encourage better operating performance. **The norms should be efficient, relatable to past performance, capable of achievement** and progressively reflecting increased efficiencies and may also take into consideration the latest technological advancements, fuel, vintage of equipments, nature of operations, level of service to be provided to consumers etc. Continued and proven inefficiency must be controlled and penalized.”*

- (b) In terms of Clause 8.2 of the Tariff Policy 2016 The Hon’ble Commission is mandated to set an achievable distribution loss trajectory: -

“8.2 Framework for revenue requirements and costs 8.2.1 The following aspects would need to be considered in determining tariffs:

.....

*(2) AT&C loss reduction should be incentivised by linking returns in a MYT framework **to an achievable trajectory**. Greater transparency and nurturing of consumer groups would be efficacious.*

- 3.2.11. In view of the above it is submitted that the distribution loss trajectory is also a normative parameter for determination of distribution tariff and hence for FY 2020-21 the same ought to have been relatable to past performance of the Discoms and capable of achievement. A table evincing the actual distribution losses of the UP Discoms in the previous control period (i.e., FY 2017-2019) vis-à-vis the loss trajectory approved by the Hon’ble Commission is as below: -

Table 3-2: Actual distribution losses from FY 2017-18 to FY 2020-21

Discom	FY 2017-18			FY 2018-19			FY 2019-20			FY 2020-21	
	As per UDAY Scheme	As per MYT Order	Actual	As per UDAY Scheme	As per MYT Order	Actual	As per UDAY Scheme	As per MYT Order	Actual	Claimed	Approved
PuVVNL	19.73%	19.73%	23.16%	16.43%	16.43%	20.49%	12.20%	12.20%	20.32%	19.20%	11.83%

- 3.2.12. In view of the above it is evident that in the past control period (i.e., FY 2018-20) the actual distribution loss of PuVVNL was in the range of 23.16% to 20.32%. However, the Hon’ble Commission for FY 2020-21 has fixed a stringent and practically unachievable distribution loss trajectory for the Discoms, which is approximately 50% less than the actuals of the last fiscal (i.e., FY 2019-20) and what was claimed by the Discoms (except KESCO). There is no possible way that the Discoms can achieve the loss trajectory approved by The Hon’ble Commission. It is pertinent to note that even The Hon’ble Commission in the True-up Order

for FY 2018-19 has itself accepted that it approves a stringent distribution loss trajectory for the UP Discoms, which is much lower than the actual losses of the Discoms: -

*“6.7.40. In past, the Commission has approved several schemes for theft reduction and power quality improved like replacement of LT lines with ABC conductor, whose CAPEX was allowed in the ARR considering the merit of the schemes and benefits to both Discoms and also considering the fact that the **Commission approves a stringent Distribution Loss trajectory in the ARR, which is much lower than the actual losses of the Discoms** and such schemes like ABC cables should be allowed to encourage and support the Discoms/utilities efforts to reduce the losses and meet the Commission target.”*

- 3.2.13. It is submitted that the Petitioner have already been penalised by way of disallowance of power purchase cost in the previous MYT control period, for not achieving the distribution Loss targets approved by the Hon'ble Commission. Further the Aggregate Revenue Requirement (ARR) of the Petitioner allowed by the Hon'ble Commission at most of the times has been insufficient to meet the Average Cost of Supply (ACOS), with ACS-ARR gap being Rs.0.22 per unit in FY 2018-2019. Even the Hon'ble Commission in its Tariff Order dated 01.08.2016 while acknowledging the aforesaid position stated that the U.P. Discoms are under severe financial distress with cost recovery of only 65.97% in FY 2016-2017. Relevant findings of The Hon'ble Commission in Order dated 01.08.2016 is as under: -

“The U.P. DISCOMs are under financial distress. As per the MOU signed by the DISCOMs, they had revenue deficit during FY 2013- 14 (Rs. 13,802 Crore) with an expected revenue deficit of Rs. 10,636 Crore in FY 2014-15. The accumulated losses have reached to the level of Rs.70,738 Crore (approx.) up to March 31, 2015. The outstanding debt level of the U.P. DISCOMs has reached Rs.53,211 Crore (Figures of outstanding loan as on September 30, 2015 are Audited as all lenders are yet to confirm the outstanding loan data as such the amount of loan may change upon confirmation) at the end of September 2015. Also, the interest cost burden of nearly Rs. 0.88per unit of sales during FY 15 is significantly higher than the national average of Rs 0.44 per unit only. The Aggregate Revenue Requirement (ARR) is insufficient to meet the Average Cost of Supply (ACOS), with a cost recovery of only 65.97 %.”

- 3.2.14. Hence, an impossible and impractical distribution loss trajectory would further impact the financial situation of the Licensees as it has a huge long-term impact on the Discoms and would result in severe under recovery of power purchase cost to the tune of Rs. 4204 Crores.
- 3.2.15. It is submitted that the Hon'ble Commission while fixing the distribution loss trajectory for FY 2020-21 has followed the UDAY MoU in a selective manner i.e., it has only considered the distribution losses from the UDAY MoU and completely ignored the collection efficiency% which was in the range of 76 % to 96% (i.e., less than what has been considered by the Hon'ble Commission).
- 3.2.16. Therefore, considering practically unachievable UDAY MoU distribution loss trajectory as base is in contradiction to National Tariff Policy 2016 and the Regulation 5.4 of the UPERC MYT Regulations 2019. Hence the Petitioner request the Hon'ble Commission to consider

the Distribution loss trajectory as prayed in the Business Plan Petition for the 2nd Control Period and reconsider its decision of setting an unachievable distribution loss trajectory for the Petitioner.

- 3.2.17. For the purpose of this Petition, i.e. APR for FY 2020-21 and ARR for FY 2021-22, the Petitioner has considered the following distribution loss levels and the Petitioner prays to the Hon'ble Commission to consider the same only.

Table 3-3: Distribution loss trajectory considered

Distribution loss	FY 2020-21	FY 2021-22
PuVVNL	19.20%	18.00%

3.3. Energy Balance

- 3.3.1. The Energy Balance as approved by the Hon'ble Commission vis-à-vis normative Energy Balance for FY 2020-21 is shown in the Table below:

Table 3-4; Energy Balance for FY 2020-21

Particulars	Approved	Revised Estimates
Retail Sales (MU)	22,316	21,480.00
Distribution Losses (%)	11.83%	19.20%
Energy at DISCOM Periphery for Retail Sales (MU)	25,309.86	26,584.16
Intra-State Transmission Losses %*	3.40%	3.40%
Energy Available at State periphery for Transmission (MU)	26,200.68	27,519.84
Inter State Losses (MU)	286.71	242.87
Inter-State Transmission Losses % (% computed on Total input energy)	2.88%	0.87%
Purchases Required & Billed Energy (MU)	26,487.39	27,762.71

3.4. Power Purchase Expense

- 3.4.1. UPPCL is procuring power on behalf of Discoms at consolidated level. Accordingly, the Power Purchase section represents the consolidated power purchase at UPPCL level. The consolidated energy balance (detailed Energy Balance with further break-up of inter-State energy has been submitted in Format F13L of MYT Formats) for FY 2020-21 is as follows: -

Table 3-5: Consolidated Energy Balance for FY 2020-21

Particulars	Approved	Revised Estimates
Retail Sales (MU)	92,409.35	89,213.50
Distribution Losses (%)	11.54%	17.90%
Energy at DISCOM Periphery for Retail Sales (MU)	1,04,467.34	108,664.67
Intra-State Transmission Losses %	3.40%	3.40%
Energy Available at State	1,08,144.24	112,489.30

Particulars	Approved	Revised Estimates
periphery for Transmission (MU)		
Inter State Losses (MU)	1,183.41	992.76
Inter-State Transmission Losses % (% computed on Total input energy)	2.88%	0.87%
Purchases Required & Billed Energy (MU)	1,09,327.65	113,482.07

3.4.2. The Power Purchase Cost for FY 2020-21 is estimated based on the provisional data available for Power Purchase quantum and cost for FY 2020-21 available till September 2020. The provisional power purchase cost details for FY 2020-21 is depicted as below: -

Table 3-6: Generating station Wise Power Purchase Cost for FY 2020-21

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
Long term Sources					
Power procured from own Generating Stations (if any)					
From State Generating Stations Thermal					
ANPARA-A	3,250.17	258.55	627.70	1.10	887.36
ANPARA-B	6,914.77	315.42	1,224.83	-	1,540.25
PANKI	-	-	-	-	-
PARICHHA	-	-	-	-	-
PARICHHA EXT.	1,186.20	333.66	431.32	-	764.98
OBRA-A	-	-	-	-	-
OBRA-B	3,854.64	309.07	927.02	-	1,236.09
HARDUAGANJ	9.93	36.15	3.67	-	39.82
HARDUAGANJ EXT.	2,087.86	532.38	725.66	-	1,258.04
PARICHHA EXT. STAGE-II	1,792.42	486.27	648.63	-	1,134.90
ANPARA-D	3,082.88	508.94	556.78	-	1,065.71
Panki Extension	-	-	-	-	-
HARDUAGANJ EXT. Stage II	-	-	-	-	-
OBRA-C	-	-	-	-	-
Jawaharpur	-	-	-	-	-
UPRVUNL Consolidated	-	-	-	47.86	47.86
Sub-Total	22,178.87	2,780.44	5,145.61	48.96	7,975.01
From State Generating Stations Hydro					
RIHAND	685.87	16.51	70.09	22.51	109.12
OBRA (H)	345.83	8.92	23.73	0.51	33.15
MATATILA	67.15	2.69	4.58	0.00	7.27

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
KHARA	283.24	11.99	13.12	0.34	25.45
UGC	25.09	-	7.10	-	7.10
SHEETLA	2.49	-	0.48	-	0.48
BELKA	3.13	-	0.58	-	0.58
BABAIL	0.30	-	0.04	0.23	0.27
Sub-Total	1,413.10	40.11	119.72	23.59	183.43
From Central Sector Generating Stations					
Thermal (NTPC)					
ANTA GPS	232.18	54.35	99.38	0.43	154.16
AURAIYA GPS	373.04	108.38	157.00	9.56	274.95
DADRI GPS	846.94	115.11	310.92	12.24	438.26
JHANOR GPS	1.92	0.19	0.39	-	0.58
KAWAS GPS	2.00	0.15	0.40	-0.00	0.56
TANDA TPS	1,250.40	366.51	401.31	29.75	797.57
FGUTPS-1	737.89	185.08	231.90	18.40	435.38
FGUTPS-2	399.11	93.17	127.63	13.28	234.08
FGUTPS-3	268.40	61.36	86.26	9.29	156.91
FGUTPS-4	958.98	253.68	291.69	23.96	569.33
FSTPS	210.04	19.04	57.01	1.47	77.53
KHTPS-1	349.41	52.20	78.88	0.28	131.37
KHTPS-2	934.15	155.57	200.36	3.30	359.23
NCTPS-1	245.41	55.70	82.49	1.16	139.34
NCTPS-2	262.05	117.23	92.45	6.93	216.62
RIHAND-1	1,988.76	186.30	280.55	0.51	467.36
RIHAND-2	2,306.32	156.75	324.32	7.70	488.77
RIHAND-3	2,632.78	343.07	365.52	14.78	723.37
SINGRAULI	4,751.38	352.81	669.96	-	1,022.77
KORBA-I STPS	17.95	1.21	2.50	0.01	3.73
KORBA-III STPS	9.53	1.25	1.31	0.03	2.58
MAUDA-I STPS	3.91	3.44	1.11	0.17	4.72
MAUDA-II STPS	10.12	4.29	2.96	0.12	7.37
SOLAPUR TPS	2.91	4.18	0.84	0.02	5.04
SIPAT-I	33.64	4.58	4.80	0.04	9.41
SIPAT-II STPS	11.58	1.48	1.71	0.01	3.20
VINDHYACHAL-I STPS	16.53	1.54	2.76	-	4.31
VINDHYACHAL-II STPS	12.05	0.93	1.94	0.00	2.88
VINDHYACHAL-III STPS	13.20	1.48	2.11	-0.06	3.52
VINDHYACHAL-IV STPS	16.92	2.94	2.68	0.01	5.63
VINDHYACHAL-V STPS	9.22	1.69	1.51	-0.03	3.17
Tanda II	2,497.86	543.25	630.60	17.06	1,190.91
Indira Gandhi STPS, Jhajjar	227.36	25.04	80.74	0.36	106.14

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
URS Power					
SINGRAULI STAGE III	6.24	3.36	1.57	0.05	4.98
Indira Gandhi STPS, Jhajjar	14.82	4.22	3.15	-0.00	7.37
GADARWARA STPS-I	10.61	4.50	2.96	0.00	7.47
LARA STPS-I	-	-	-	-97.79	-97.79
KHARGONE STPS					
NTPC Consolidated					
Sub-Total	21,665.62	3,286.03	4,603.68	73.05	7,962.76
NPCIL					
KAPS	5.50	-	1.30	0.04	1.34
NAPP	1,133.91	-	344.63	2.20	346.82
TAPP-3 & 4	16.80	-	5.51	1.78	7.29
RAPP-3 & 4	518.63	-	172.58	-0.44	172.14
RAPP-5 & 6	787.18	-	306.32	-	306.32
Sub-Total	2,462.01	-	830.33	3.58	833.92
Hydro (NHPC)					
SALAL	249.86	18.85	16.53	35.45	70.84
TANAKPUR	88.52	20.35	14.30	0.01	34.66
CHAMERA-I	492.88	39.44	58.32	-0.08	97.67
URI	616.26	50.70	52.29	-0.06	102.93
CHAMERA-II	173.04	15.10	20.20	0.04	35.34
DHAULIGANGA	290.51	38.86	37.91	0.03	76.81
DULHASTI	591.22	138.03	158.64	0.05	296.72
SEWA-II	143.08	38.56	39.84	-0.00	78.39
CHAMERA-III	245.17	49.06	46.99	0.03	96.08
URI-II	379.33	67.64	65.07	-0.09	132.63
PARBATI-III	155.75	66.66	27.00	0.06	93.73
KISHANGANGA	445.16	84.14	94.76	0.08	178.98
PARBATI-II	-	-	-	-	-
SUBANSIRI LOWER	-	-	-	-	-
PAKALDUL	-	-	-	-	-
NHPC Consolidated	-	-	-	175.28	175.28
Sub-Total	3,870.79	627.41	631.84	210.80	1,470.04
HYDRO (NTPC)					
KOLDAM HPS	677.69	183.94	159.65	-	343.59
TAPOVAN VISHNUGARH	-	-	-	-	-
LATA TAPOVAN HEP	-	-	-	-	-
SINGRAULI SHPS	8.82	-	4.44	-	4.44
Sub-Total	686.51	183.94	164.10	-	348.04

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
HYDRO					
TEHRI	1,200.27	265.15	252.56	59.41	577.12
KOTESHWAR	492.22	117.79	105.83	-4.90	218.72
Dhukwan SHP- THDC	50.98	-	24.83	-	24.83
VISHNUGARH PIPAL KOTHI	-	-	-	-	-
Thermal					
KHURJA STPP	-	-	-	-	-
Sub-Total	1,743.47	382.94	383.21	54.51	820.66
SJVN					
RAMPUR	323.93	77.28	54.84	164.42	296.54
NATHPA JHAKRI	1,246.06	158.90	108.51	10.27	277.68
Sub-Total	1,569.99	236.18	163.35	174.68	574.22
NEEPCO					
Kameng HEP	103.04	-	41.22	0.02	41.25
IPP/JV					
HYDRO					
TALA	149.44	-	32.28	0.01	32.29
VISHNU PRAYAG	1,584.29	24.48	171.55	-33.56	162.47
KARCHAM	865.31	179.51	114.82	99.35	393.68
TEESTA-III	881.37	328.28	190.69	9.72	528.69
SRI NAGAR HEP	1,308.80	373.06	308.01	-	681.06
Rajghat Hydro	-	-	-	-	-
Hydro (Competitive Bidding)	-	-	-	-	-
Thermal					
Meja Thermal Power Plant	1,836.67	651.52	468.21	-10.80	1,108.93
LANCO	7,141.18	563.65	1,384.80	300.77	2,249.22
BEPL BARKHERA	147.33	108.60	51.01	70.08	229.69
BEPL KHAMBHAKHERA	148.36	111.59	50.83	0.03	162.46
BEPL KUNDRAKHI	193.76	114.46	60.32	0.03	174.81
BEPL MAQSOODAPUR	154.05	111.82	51.63	0.03	163.48
BEPL UTRAULA	212.01	113.70	70.94	0.03	184.67
KSK MAHANADI	5,084.61	1,467.61	1,484.48	-92.97	2,859.12
LALITPUR	6,343.58	3,151.81	1,900.25	281.47	5,333.53
M.B.POWER	2,108.48	600.88	411.10	1,049.89	2,061.87
PRAYAGRAJ POWER	8,728.02	1,407.44	2,371.15	-7.40	3,771.19
R.K.M.POWER	2,336.65	609.89	442.32	52.16	1,104.37
ROSA-1&2	6,125.35	1,163.64	1,584.96	269.54	3,018.14
SASAN	3,792.91	50.76	406.03	79.32	536.11
TRN ENERGY	1,464.07	242.25	228.42	456.73	927.41

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
NABINAGAR POWER PROJECT	379.87	133.51	79.26	-8.43	204.34
APCPL					
Ghatampur					
Sub-Total	50,986.11	11,508.46	11,863.07	2,516.01	25,887.54
Total	106,679.50	19,045.51	23,946.14	3,105.21	46,096.85
Medium term Sources					
Short term Sources	-	-	-	-	-
Medium term Sources	-	-	-	-	-
Cogen/ Captive					
Baggasse/Cogen/ CPP 1	-	-	-	-	-
Baggasse/Cogen/ CPP 2	-	-	-	-	-
Cogen/ Captive	2,357.57	-	797.15	-8.95	788.20
Bilateral & Others (Power purchased through Trading)	-	-	-	-	-
Solar (Existing)	-	-	-	-	-
Solar (FY 20)	-	-	-	-	-
Solar (FY 21)	-	-	-	-	-
Solar (FY 22)	-	-	-	-	-
Solar (FY 23)	-	-	-	-	-
SOLAR FY (24)	-	-	-	-	-
SOLAR FY 25	-	-	-	0.15	0.15
Sub-Total	3,206.71	-	1,266.90	0.15	1,267.05
Non-Solar (Renewable)					
WIND	1,502.98	-	506.41	-	506.41
WIND (FY 20)	-	-	-	-	-
WIND (FY 21)	-	-	-	-	-
WIND (FY 22)	-	-	-	-	-
Biomass Existing	-	-	-	-	-
Biomass FY 20	-	-	-	-	-
MSW FY 21	-	-	-	-	-
Slop based power project	-	-	-	0.05	0.05
Sub-Total	1,502.98	-	506.41	0.05	506.46
NVVN Thermal	772.14	-	234.02	8.24	242.26
NVVN Solar	291.89	-	204.59	6.61	211.20

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
OTHER SOURCES					
UI Charges					
Reactive Energy Charges					
OA					
Fwd/Rev Banking					
IEX Purchase					
IEX sale					
Sub Total					
PTC Unverified Power Purchase					
REC	-	-	-	-	-
UI Charges					
Open Access Charges					
Banking					
PGCIL Charges					-
WUPPTCL Charges					-
SEUPPTCL Charges					-
Reactive Energy Charges					-
Case-I Transmission Charges					-
Any other charges					
STU Charges					-
Transmission Charges				5,122.21	5,122.21
Less					
Late Payment Surcharge					
Grand Total	114,810.80	19,045.51	26,955.21	8,233.38	54,234.24

Bulk Supply Tariff (BST)

3.4.3. For the purpose of allocating the power purchase cost to the Discoms for FY 2020-21 as per Differential Bulk Supply Tariff (DBST) approach, the first shall be to determine the Bulk Supply Tariff (BST) based on the consolidated projected power purchase cost for FY 2020-21. Accordingly, the BST for FY 2020-21 on consolidated basis is shown in the table below:

Table 3-7: Bulk Supply Tariff for FY 2020-21

Particulars	Approved	Revised Estimates
Power Purchase cost (Rs. Crore)	54,284.73	54,234.24
Power Input (MU)	1,09,327.65	113,482.07
Inter-State Trans Losses (%) (% Computed on Total Input Energy)	2.88%	0.87%

Particulars	Approved	Revised Estimates
Inter-State Loss (MU)	1,183.41	992.76
Input at Transco End (MU)	1,08,144.24	112,489.30
Intra-State Trans Losses (%)	3.40%	3.40%
Input as Discom End (MU)	1,04,467.34	108,664.67
BST at Discom Periphery (Rs./Kwh)	5.20	4.99

Differential Bulk Supply Tariff (DBST)

3.4.4. Based on the Hon'ble Commission's approved methodology, the Differential Bulk Supply Tariff (DBST) for FY 2020-21 has been computed and thereafter, the Petitioner has worked out the power purchase cost for FY 2020-21 on the same.

3.4.5. Computation of DBST as per the Hon'ble Commission approved methodology is shown in the below:

Table 3-8: DBST Computation for FY 2020-21

S. No.	Particulars	Formulae	DVVNL	PVVNL	PuVVNL	MVVNL	KESCO	Total
1	Revenue from Tariff including subsidy (Rs Cr)	A	12,387.29	20,164.96	15,670.74	13,236.63	2,467.11	63,926.72
2	Energy Sales (MU)	B	19,117.15	27,382.25	21,480.00	18,212.67	3,021.43	89,213.50
3	Power Procurement Cost							
A1	Power Procurement Cost – Allocated and Unallocated PPAs (Rs Cr)							49,112.03
A2	Inter State Transmission Charges (Rs Cr)							5,122.21
A1+A2	Total Power Procurement Cost excluding intra state Transmission Charges (In Rs Cr)	C						54,234.24
4	Power Procurement cost of Allocated PPAs (Rs Cr)	D	2559.44	4729.17	2748.00	2748.00	188.56	12,973.18
5	Total Power Required at Discom Periphery (MU)	E	24,306.61	32,082.30	26,584.16	22,388.04	3,303.55	108,664.67
6	Power at Discom	F	4914.60	9230.23	5324.03	5324.03	409.42	25,202.31

S. No.	Particulars	Formulae	DVVNL	PVVNL	PuVVNL	MVVNL	KESCO	Total	
	Periphery from allocated PPAs (MU)								
7	Other Cost (Intra State Transmission, O&M, Interest, Dep etc.) (Rs. Cr.)	G	3,928.88	4,768.21	4,711.59	3,747.01	648.32	17,804.01	
8	ABR (Rs/Unit)	$H=(A/B)*10$	6.48	7.36	7.30	7.27	8.17	7.17	
9	Other Cost (Rs/Unit of Sale)	$I=G*10/B$	2.06	1.74	2.19	2.06	2.15	2.00	
10	Power Purchase Rate								
A	Allocated PPAs per unit of sale (Rs/unit)	$J=D*10/B$	1.34	1.73	1.28	1.51	0.62	1.45	
B	Unallocated PPAs per unit of sale	$K=(C-\text{Total PP at "D"})*10/\text{Total Sale at "B"}$	4.62						
11	Revenue available for unallocated PPAs (Rs./unit of sale)	$L=H-I-J$	3.09	3.90	3.82	3.70	5.40	3.72	
12	Power Purchase Allocation (per unit of sale) "K" in the ratio of available Revenue "L"	M	3.84	4.85	4.76	4.61	6.72	4.62	
13	Total Power Purchase cost per unit of sale including allocated PPAs	$N=J+M$	5.18	6.58	6.04	6.12	7.34	6.08	
14	Total Power Purchase Cost (Rs Crs)	$O=N*B/10$	9,901.86	18,007.05	12,968.38	11,139.26	2,217.70	54,234.24	
	DBST (Rs/Unit)								
15	DBST Computation of Allocated PPAs	P	5.21	5.12	5.16	5.16	4.61	5.15	
16	DBST Computation of Unallocated PPAs	$Q=M*B/(E-F)$	3.79	5.81	4.81	4.92	7.01	4.94	
17	DBST of total PPAs	$R=O*10/E$	4.07	5.61	4.88	4.98	6.71	4.99	

3.4.6. The Petitioner has worked out the power purchase cost for FY 2020-21 based on the above Differential Bulk Supply Tariff (DBST). The allowable power purchase cost for FY 2020-21 is shown in the table below:

Table 3-9: Power Purchase Cost for FY 2020-21

Particulars	Approved	Revised Estimate
Allowable Power Purchase (MU)	25,309.86	26,584.16
Average Rate (Rs./kWh)/ DBST	5.06	4.88
Power Procurement Cost from UPPCL (Rs. Crore)	12,815.00	12,968.38

3.5. Intra-State Transmission Charges

3.5.1. The intra-State Transmission charges (including SLDC charges) computed based on approved transmission rate is shown in the Table below:

Table 3-10: Intra-State Transmission Charges for FY 2020-21

Particulars	Unit	Approved	Revised Estimates
Units Wheeled	MU	25,309.86	26,584.16
Transmission Rate as approved	Rs/kWh	0.238	0.238
Transmission Charges	Rs Crore	601.87	632.70

3.5.2. It is submitted that the variation in intra state Transmission charges are on account of variation in the Units wheeled.

3.6. Operation and Maintenance Expenses

3.6.1. The Operation & Maintenance (O&M) Expenses comprises of Employee Expenses, Repair & Maintenance (R&M) Expenses and Administrative and General (A&G) Expenses. Regulation 45 of UPERC (Multi Year Tariff for Distribution & Transmission) Regulations, 2019, stipulates the detailed methodology for determination of Operation & Maintenance (O&M) Expenses for the Control Period from FY 2020-21 to FY 2024-25. The detailed methodology as stated in Regulation 45 is reproduced as under:

“45 Operation and Maintenance Expenses

a) The Operation and Maintenance expenses for the Distribution Business shall be computed as stipulated in with these Regulations.

b) *The Operation and Maintenance expenses shall be derived on the basis of the average of the Trued-Up values (without efficiency gain / loss) for the last five (5) financial years ending March 31, 2019 subject to prudence check by the Commission. However, if Trued-Up values (without efficiency gain / loss) are not available for FY 2018-19, then last five (5) available Trued-Up values (without efficiency gain / loss) will be considered and subsequently when the same are available the base year value (i.e. FY 2019-20) will be recomputed.*

c) *The average of such operation and maintenance expenses shall be considered as Operation and Maintenance expenses for the middle year and shall be escalated year on year with the escalation factor considering CPI and WPI of respective years in the ratio of 60:40, for subsequent years up to FY 2019-20.*

d) The One-time expenses such as expense due to change in accounting policy, arrears paid due to Pay Commissions, etc., and the expenses beyond the control of the Distribution Licensee such as dearness allowance, terminal benefits, etc., in Employee cost, shall be allowed by the Commission over and above normative Operation & Maintenance Expenses after prudence check.

(e) At the time of Truing-up of the O&M expenses, the actual point to point inflation over Wholesale Price Index numbers as per Office of Economic Advisor of Government of India and the actual Consumer Price Index for Industrial Workers (all India) as per Labour Bureau, Government of India, in the concerned year shall be considered.

45.1 Employee Cost

Employee cost shall be computed as per the following formula escalated by consumer price index (CPI), adjusted by provisions for expenses beyond the control of the Licensee and one-time expected expenses, such as recovery / adjustment of terminal benefits, implications of Pay Commission, arrears, Interim Relief, etc.:

$$\mathbf{EMPn = EMPn-1 \times (1 + CPI \text{ inflation})}$$

Where:

EMPn: Employee expense for the nth year;

EMPn-1: Employee expense for the (n-1)th year;

CPI inflation is the average of Consumer Price Index (CPI) for immediately preceding three Financial Years.

45.2 Repairs and Maintenance Expense

Repairs and Maintenance expense shall be calculated by following formula:

$$\mathbf{R\&Mn = R\&Mn-1 (1 + WPI \text{ inflation})}$$

Where:

R&Mn: Repairs & Maintenance expense for the nth year;

R&Mn-1: Repairs & Maintenance expense for the (n-1)th year;

WPI inflation is the average of Wholesale Price Index (WPI) for immediately preceding three Financial Years.

45.3 Administrative and General Expense

A&G expense shall be computed as per the following formula escalated by wholesale price index (WPI) and adjusted by provisions for confirmed initiatives (IT etc. initiatives as proposed by the Distribution Licensee and validated by the Commission) or other expected one-time expenses:

$$\mathbf{A\&Gn = A\&Gn-1 (1 + WPI \text{ inflation})}$$

Where:

A&G_n: A&G expense for the nth year;

A&G_{n-1}: A&G expense for the (n-1)th year;

WPI inflation is the average of Wholesale Price Index (WPI) for immediately preceding three Financial Years:

Provided that Interest and Finance charges such as Credit Rating charges, collection facilitation charges, financing cost of Delayed Payment Surcharge and other finance charges shall be a part of A&G expenses.

Illustration: For FY 2020-21, (n-1)th year will be FY 2019-20 which is also the base year.”

3.6.2. It is submitted that The Hon'ble Commission has disallowed the O&M expenses claimed by Petitioner owing to the following:-

- (a) The Hon'ble Commission has arrived at the mid-year (FY 2016-17) value of each component of O&M expenses based on the average of last 5 trued-up values of FY 2014-15 to FY 2018-19. The mid-year value of each component of O&M expenses has been escalated year on year with the escalation factor considering Consumer Price Index (CPI) and Whole-sale Price Index (WPI) of respective years in the ratio 60:40, for subsequent years upto FY 2019-20.
- (b) Accordingly, the Hon'ble Commission has computed the O&M expenses of the base year which shall be escalated at Inflation/Escalation rate notified by Labour Bureau, Govt. of India (http://labourbureau.gov.in/LBO_indexes.htm) and Economic Advisor Govt. of India (<https://eaindustry.nic.in/>) respectively for different years. Accordingly, the Hon'ble Commission has computed the average WPI and CPI inflation of the last 3 years (average) at 2.96% and 5.35%, respectively.
- (c) In terms of this methodology: -
 - (i) Employee Expenses for FY 2020-21 have been computed by escalating the base year (FY 2019-20) employee expenses by average CPI inflation of last 3 years.
 - (ii) The A&G Expenses (including Finance Charges) and R&M Expenses for FY 2020-21 have been computed by escalating the base year (FY 2019-20) by average WPI inflation of last 3 years.
 - (iii) Employee Expense capitalization has been computed by considering the average of last three years or claimed, whichever is higher.

3.6.3. At the outset, it is submitted that O&M expenses comprise of employee related costs, A&G

expenses and R&M expenditure. Further, Petitioner/UPPCL intend to recover their legitimate actual O&M Expenses and do not intend to get any additional benefit out of the same. The total O&M expenses allowed by the Hon'ble Commission for ARR and tariff of FY 2020-21 is even lower than the net O&M expenses approved by the Hon'ble Commission while truing-up of tariff for FY 2018-19. Accordingly, it is submitted that the O&M expenses being allowed by the Hon'ble Commission are insufficient to cover the actual cost/impact of O&M expenses likely to be incurred by the Petitioner. As such, the methodology adopted by the Hon'ble Commission will lead considerable loss to the Petitioner whose financial condition is already precarious and stressed.

- 3.6.4. O&M expenses are computed on normative basis in terms of the norms prescribed under the Tariff Regulations. It is submitted that the methodology prescribed by The Hon'ble Commission for computation of normative O&M expenses is significantly different in MYT Regulations, 2019 as compared to the methodology provided under the erstwhile regime i.e., MYT Regulations, 2014.
- 3.6.5. It is submitted that under the MYT Regulations 2014 computation of O&M expenses was based on the trajectory of norms derived on average of past five years audited figures. It is noteworthy that the draft MYT Regulations, 2019 issued by The Hon'ble Commission also had similar provisions for computation of O&M expenses. However, in the final MYT Regulations 2019, the Hon'ble Commission has completely changed the methodology and adopted a completely new methodology for computing the O&M expenses, which is based on escalation factor considering CPI and WPI based on the average of last 5 years trued-up values (that too without consideration of efficiency gain/loss on O&M expenses). Such a change was affected without giving any opportunity to the stakeholders including the Petitioner to submit their suggestions/objections on the same.
- 3.6.6. This new approach adopted by the Hon'ble Commission will result in substantial losses to the Petitioner as it is likely that the Petitioner will not be able to meet its regular expenses including employee costs, R&M and A&G expenses.
- 3.6.7. It is pertinent to highlight that owing to the implementation of the Government's Saubhagya Scheme in the last three financial years (i.e., FY 2017-18 onwards), Petitioner has added a significant consumer base leading to an increase in load, extension of LT Network and backbone distribution infrastructure. Accordingly, due to the resultant significant increase in the O&M expenses, it is submitted that it was a fit case for the Hon'ble Commission to exercise its powers and consider the average of last three financial years in the computation of O&M expenses as this would represent the right base and trend for applying in the next Control Period instead of considering a five years' average.
- 3.6.8. In view of the above circumstances, it is respectfully submitted that in the present case The Hon'ble Commission under its inherent powers ought to have granted the necessary relief

even if the Regulations does not provide for relaxing the norms under the Regulations. It is settled that ERCs have wide regulatory powers conferred on them by the Electricity Act to be suitably exercised depending upon the facts and circumstances of each case and especially when the Regulations and/or guidelines are silent.

- 3.6.9. It is submitted that existence of an enabling provision in the Regulation is not a pre-requisite for the Hon'ble Commission to exercise its powers to grant the relief sought by the Petitioner.
- 3.6.10. As deliberated above, computation of O&M expenses as per the methodology provided under the MYT Regulation 2019 will cause severe financial hardship to the Petitioner.
- 3.6.11. Even otherwise, it is submitted that The Hon'ble Commission is specialised body having specific jurisdiction under Section 86 of the Electricity Act and with ancillary powers to give effect to the legislative intent behind the Electricity Act.
- 3.6.12. In view of the above, it is submitted that the Hon'ble Commission may consider to have granted the relief sought by the Petitioner and allow O&M expenses based on the average true-up values of the last three financial years failing which it is likely that the Petitioner will not be able to meet its basic expenses for continuing supply of power, employee expenses, R&M and A&G expenses.
- 3.6.13. The Hon'ble Commission has not addressed the Discoms' submissions in its Tariff Order for FY 2020-21 dated 11 November 2020 and completely ignore the pleadings in this regard. The Petitioner once again requests the Hon'ble Commission to exercise its authority under 'powers to remove difficulties' under clause 56 of UPERC (Multi Year Tariff for Distribution and Transmission) Regulations, 2019 to consider the approach suggested by the Petitioner.
- 3.6.14. The Petitioner request the Hon'ble Commission to allow the O&M Expenses by considering the actual audited O&M Expenses for FY 2018-19 (separately for Employee Expenses, R&M Expenses and A&G Expenses) as base and escalating these expenses with applicable CPI escalation factors (Employee Expenses) and WPI escalation factors (R&M Expenses and A&G Expenses) for FY 2019-20 and FY 2020-21.
- 3.6.15. It may be noted that in case of R&M Expenses, which is significantly impacted by increase in Gross Fixed Asset base, presently it is proposed based on escalating the audited figures of FY 2018-19 and thus only takes into consideration the existing fixed asset base. Therefore, at the time of true-up, the increased fixed asset base should also be taken into consideration by the Hon'ble Commission.
- 3.6.16. Accordingly, the computation of O&M expenses based on the proposed methodology is shown in subsequent sections.

WPI and CPI Escalation Rates

- 3.6.17. The Petitioner has considered the inflation index as approved by the Hon'ble Commission in its Tariff Order for FY 2020-21 dated 11 November 2020.
- 3.6.18. The audited figures of Employee Expenses (excluding 7th Pay Arrears) for FY 2018-19 is considered as a base and escalated by CPI escalation factors for FY 2019-20 and FY 2020-21 to arrive at the projected Employee Expenses for FY 2020-21. Similarly, the audited figures of R&M Expenses and A&G Expenses (including Finance charges) for FY 2018-19 are considered as a base and escalated by WPI escalation factors FY 2019-20 and FY 2020-21 to arrive at the projected R&M Expenses and A&G Expenses for FY 2020-21. Accordingly, the component wise O&M Expenses projected for FY 2020-21 is summarised as under:

Employee Expenses

- 3.6.19. The Petitioner has projected its Employee Expenses as mentioned in the above para. Further, the capitalisation figure has been considered as same as approved by the Hon'ble Commission for FY 2020-21. Accordingly, Employee Expenses determined for FY 2020-21 is shown in table below:

Table 3-11: Employee Expenses for FY 2020-21 (Rs. Crore)

SI No.	Particular	Projected
A	Gross Employee Expenses after escalation	692.68
B	Less: Employee Expenses capitalized	460.33
C	Net Employee Expenses	232.35

- 3.6.20. Further, there will arrears pertaining to Seventh Pay Commission, which shall form part of Employee Expenses for FY 2020-21. This arrear of amounting Rs 3.65 Crore has been proposed to be claimed as a separate expense as per Regulation 45 (d) of UPERC (Multi Year Tariff for Distribution & Transmission) Regulations, 2019 as onetime expense. Accordingly, Net Employee Expenses including Arrears determined for FY 2020-21 is shown in table below:

Table 3-12: Employee Expenses for FY 2020-21 (Rs. Crore)

SI No.	Particular	Projected
A	Net Employee Expenses	232.35
B	Add: 7 th Pay Arrears	5.38
C	Net Employee Expenses (including Arrears)	237.73

Repairs & Maintenance Expenses (R&M)

- 3.6.21. The Petitioner has projected its R&M Expenses as mentioned in above Para. Accordingly, R&M Expenses determined for FY 2020-21 is shown in table below:

Table 3-13: R&M Expenses for FY 2020-21 (Rs. Crore)

S. No.	Particulars	Projected
1	Gross R&M Expenses after escalation	1,442.32
2	Less: R&M Expenses capitalized	0.00
3	Net R&M Expenses	1,442.32

Administrative and General Expense (A&G)

3.6.22. The Petitioner has projected its A&G Expenses as mentioned in above Para. Accordingly, A&G Expenses determined for FY 2020-21 is shown in table below:

Table 3-14: A&G Expenses for FY 2020-21 (Rs. Crore)

Sr. No.	Particulars	Projected
1	Gross A&G Expenses after escalation	338.31
2	Less: A&G expenses capitalized	-
3	Net A&G expenses	338.31

Smart Metering OPEX

3.6.23. It is submitted that the Hon'ble Commission has disallowed the OPEX cost incurred by Petitioner on account of implementation of Smart Meter Rollout scheme holding that: -

- (a) Smart Meter Rollout scheme is a self-sustaining model since the billing and collection efficiency of Discoms will increase thereby reducing the commercial losses and overall O&M cost of the Discoms.
- (b) MYT Distribution and Transmission Regulations, 2014 provide for O&M expenses on normative basis, hence the same cannot be allowed as additional O&M expense.

3.6.24. It is submitted that the Petitioners have been mandated to implement the Smart Meter Rollout Scheme pursuant to statutory mandate and directions of the Hon'ble Commission. In this regard the following is noteworthy: -

- (a) In terms of Clause 8.4(3) of Tariff Policy 2016, Smart Meters had to be provided to consumers with monthly consumption of 500 units and more by 31.12.2017 and consumers with monthly consumption above 200 units by 31.12.2019: -

“8.4 Definition of tariff components and their applicability

....

3. The Appropriate Commission may provide incentives to encourage metering and billing based on metered tariffs, particularly for consumer categories that are presently unmetered to a large extent. The metered tariffs and the incentives should be given wide publicity. Smart meters have the advantages of remote metering and billing, implementation of peak and off-peak tariff and demand side management

through demand response. These would become essential in future for load generation balancing due to increasing penetration of intermittent type of generation like wind and solar power.

Appropriate Commission shall, therefore, mandate smart meters for:

- (a) Consumers with monthly consumption of 500 units and more at the earliest but not later than 31.12.2017;**
- (b) Consumers with monthly consumption above 200 units by 31.12.2019.**

Further, two way smart meters shall be provided to all prosumers, who also sell back electricity to the grid as and when they require.”

- (b) On 08.09.2016 Ministry of Power referring to clause 8.4(3) of the Tariff Policy 2016 wrote to Forum of Regulators (FOR) qua the strategy for roll out of advance metering infrastructure in the States.
- (c) Pursuant to the above, Central Electricity Authority (CEA) intimated the Power Secretaries of all the States including State of Uttar Pradesh about technical specification of smart meters. CEA also asked the States to prepare a detailed plan for installation of smart meters and submit the same to respective State Regulatory Commissions for approval.
- (d) On 16.05.2018, the Hon’ble Commission directed UPPCL to submit the detailed roll out plan of installation of smart meters by Petitioner for approval.
- (e) On 06.08.2018, UPPCL submitted to The Hon’ble Commission the smart meter roll out plan under OPEX Model. In terms of the rollout plan Efficiency Services Limited (EESL) will make the upfront capital investment during the built-up phase and will recover its investment out of gains of the project on OPEX basis. Accordingly, Petitioner are required to pay monthly fee on OPEX basis as O&M expenditure to EESL on per meter per month basis. The per meter per month cost is calculated as total project cost spread over the actual recovery period, post integration of meters on per meter basis.
- (f) On 15.11.2018, the Hon’ble Commission by its Order approved the Smart Meter rollout plan for State Discoms of Uttar Pradesh: -

“DISCOM will pay EESL on OPEX basis as O&M expenditure. The assets will be in the books of EESL till the transfer of assets at the end of project at zero value.

[..]

Since installation of Smart Meters is a national programme and has produced very encouraging financial returns in private Discoms, the Commission approves the proposed roll out plan of UPPCL and Discoms submitted before the Commission.....”

3.6.25. It is submitted that the amount claimed by Petitioner as ‘Additional A&G Expenses’ for

smart metering is payable to EESL as O&M expenses to cover the cost towards smart meter and box installation, AMI software cost, consumer indexing, training, integration and commissioning of AMI solution. This cost was proposed to be recovered under Opex model based on per meter per month basis. Further, there will be no additional burden of depreciation, interest and return on equity on the end-consumer.

- 3.6.26. Further, the Hon'ble Commission in Order dated 15.11.2018, has directed the Petitioner to implement the Smart Meter rollout plan. As a result, thereof UP Discoms have incurred and will continue to incur substantial additional expenditure.
- 3.6.27. It is further submitted that the Opex incurred by the Discoms for implementation of Smart Meter rollout plan is not part of the normative O&M expenses provided to the Discoms under the Multi-Year Tariff Order dated 22.01.2019 and Tariff Regulations 2019 since: -
- (a) The same was not envisaged during projection of MYT O&M norms for FY 2017-18 to FY 2019-20 and for the control period 2019-24.
 - (b) The normative O&M norms approved by The Hon'ble Commission are based on previous five-year Audited Accounts, which does not include any O&M expenses towards smart metering.
- 3.6.28. The Opex cost being incurred by the Petitioner on account of implementation of Smart Meter Rollout Plan pursuant to the mandate of Tariff Policy 2016 qualifies as an uncontrollable expense.
- 3.6.29. In view of the above it is submitted that the Opex cost towards Smart Meter Rollout Plan was not envisaged by the Petitioner and the Hon'ble Commission while fixing the normative O&M cost allowed for the MYT period 2020-25. Hence, the same being uncontrollable in nature ought to be allowed on actuals, over and above the normative O&M.
- 3.6.30. In view of the above it is submitted that the Hon'ble Commission completely being aware of the cost implication qua implementation of Smart Metering Rollout Plan has approved/allowed the same by its Order dated 15.11.2018.
- 3.6.31. The Hon'ble Commission's observation that the smart meter roll out project is a self-sustaining model since the Opex cost to be paid by the licensees will be compensated by overall reduction in O&M cost due to improved billing and collection efficiency on account of installation of smart meters is not correct since: -
- (a) It is an attempt to compensate the present additional O&M expenses on account of smart meters Opex with future probable reduction in O&M cost, which may or may not happen. The Hon'ble Commission in its Order dated 15.11.2018 has itself noted that the Petitioner would incur substantial Opex cost (to be paid to EESL) towards

implementation of Smart Metering Rollout Plans. Hence, there is no reason to now disallow the said cost.

- (b) The approach of compensating the Opex cost with likely savings in billing and collection efficiency is conceptually erroneous. Presently, the tariff is already being determined based on 100% collection efficiency, despite the actual percentage being substantially lower. Therefore, even if billing and collection efficiency increases by installation of smart meters, the same will not have any impact on the tariff of the Petitioner.

3.6.32. It is submitted that based on the cost-benefit analysis of smart meter roll-out plan under Opex model vis-à-vis the Capex model, the Opex model is beneficial for the consumers since it would not entail the additional burden of depreciation, interest and return on equity, as compared to the Capex model.

3.6.33. The smart meter roll out plan on Opex model was submitted to the Hon'ble Commission well before its implementation. The Hon'ble Commission while approving the roll-out plan never stated that the cost envisaged under the Opex model would not be allowed to be passed on in the ARR. Moreover, the Hon'ble Commission in its Tariff Order dated 03.09.2019 stated that it will carry out detailed analysis of the additional O&M expenses (on account of implementation of smart meter roll out plan) for FY 2018-19 at the time of truing-up.

3.6.34. Therefore, the Hon'ble Commission is requested to allow the smart meter Opex estimated by the Petitioner for FY 2020-21:

3.6.35. Therefore, the Hon'ble Commission is requested to allow the smart meter Opex estimated by the Petitioner for FY 2020-21:

Table 3-15: Smart metering OPEX for FY 2020-21

Particulars	Smart Meters installed till March 2020	Smart Meters to be installed till March 2021	Rate (Rs. /meter/month including GST @18%)	OPEX (Rs. Crorw)
FY 2020-21	2,88,000	6,85,000	101.421	59.21

3.6.36. The Hon'ble Commission is requested to approve the same.

O&M cost of UPPCL

3.6.37. It is submitted that the Hon'ble Commission in the True-up Order for FY 2018-19 has disallowed O&M expenses to UPPCL. While disallowing the same, the Hon'ble Commission has held that the procurement of power is the responsibility of Petitioner for which the Hon'ble Commission allows considerable amount of O&M expenses and interest on working capital. Since the expenses incurred by UPPCL are on account of procuring power for the Petitioner, Petitioner shall take care of such expenses incurred by UPPCL from the O&M

expenses allowed to it.

3.6.38. At this juncture, it is pertinent to note that:-

- (a) The Hon'ble Commission has never considered UPPCL's O&M expenses while approving the power purchase costs for the Discoms.
- (b) While determining the O&M expenses applicable to the Discoms, the Hon'ble Commission did not consider UPPCL's O&M expenses.

3.6.39. It is submitted that having adopted such an approach in the past, the Hon'ble Commission ought not to have disallowed the expenses incurred by UPPCL for procuring power for the Discoms which is a part of O&M expenses for UPPCL.

3.6.40. It is submitted that the MYT Regulations, 2014 provide for the methodology for consideration of O&M expenses. Regulation 25 of the MYT Regulations, 2014, *inter-alia*, provides that the Hon'ble Commission shall stipulate a trajectory for each of the components of the O&M expenses *viz.* Employee Cost, Repairs and Maintenance (R&M) expense and Administrative and General Expense (A&G) expense. Further, the Hon'ble Commission shall take into account any escalation on account of inflation etc. The relevant extract is reproduced below:-

“25. Operation & Maintenance Expenses

(a) The Commission shall stipulate a separate trajectory of norms for each of the components of O&M expenses viz., Employee cost, Repairs and maintenance (R&M) expense and Administrative and General Expense (A&G) expense. Provided that such norms may be specified for a specific Distribution Licensee or a class of Distribution Licensees.

(b) Norms shall be defined in terms of combination of number of personnel per 1000 consumers and number of personnel per substation along with annual expenses per personnel for Employee cost; combination of A&G expense per personnel and A&G expense per 1000 consumers for A&G expenses and R&M expense as percentage of gross fixed assets for estimation of R&M expenses:

(c) One-time expenses such as expense due to change in accounting policy, arrears paid due to pay commissions etc., shall be excluded from the norms in the trajectory.

(d) The expenses beyond the control of the Distribution Licensee such as dearness allowance, terminal benefits etc. in Employee cost etc., shall be excluded from the norms in the trajectory.

(e) The One-time expenses and the expenses beyond the control of the Distribution Licensee shall be allowed by the Commission over and above normative Operation & Maintenance Expenses after prudence check.

(f) The norms in the trajectory shall be specified over the control period with due consideration to productivity improvements.

(g) The norms shall be determined at constant prices of base year and escalation on account of inflation shall be over and above the baseline.

(h) The Distribution Licensee specific trajectory of norms shall be identified by the Commission on the basis of simple average of previous five years audited figures, duly normalized for any abnormal variation.

(i) For new Distribution Licensee whose date of commercial operation is within the tariff period (i.e. April 1, 2015 to March 31, 2020), detailed project report shall be used by the Commission to estimate values of norms.”

- 3.6.41. From the above, it is evident that the extant Regulations provide for detailed norms for consideration/utilization of the O&M expenses that are allowed by the Hon’ble Commission. It is submitted that the O&M expenses allowed to the Discoms are to be mandatorily utilized in terms of the prevailing norms and take into account various factors. Therefore, the observation of the Hon’ble Commission that the Discoms are allowed adequate O&M expenses which should be further utilized to meet the expenses incurred by UPPCL in procuring power for the Discoms is not correct.
- 3.6.42. Further, it is submitted that UPPCL itself has to take into account various factors while utilizing the O&M expenses allowed to it. The same has to be utilized in terms of the norms laid down in the Regulations framed by the Hon’ble Commission. Disallowance of the same by the Hon’ble Commission would have an adverse impact on the financial health of UPPCL as well as UP Discoms, including the Petitioner.
- 3.6.43. It is further submitted that various other Electricity Regulatory Commissions allow O&M expenses pertaining to procurement of power incurred by the holding Distribution Company of the State Discoms. The details of the same are provided below:-

Sr. No.	State	Holding Company	Allocation methodology as approved by the Commission	Order Considered	Ref Page No.
1	Madhya Pradesh	MPPMCL	Allocated the MPPMCL O&M expenses to three Discoms based on total energy	Tariff Order for FY 2018-19 dated	Para 3.76 and Page 77
2	Gujarat	GUVNL	GUVNL is charging Rs.0.04 for every transaction of the unit. The total cost has been arrived at after considering the total dispatchable units required to be served to all the four DISCOMs. Further this total GUVNL cost is added to total Variable cost of Power Purchase and allocated with Power Purchase cost among all the Discoms	Tariff Order for FY 2019-20 dated 24.4.2019	Para 5.8.3.2 Page 112

Sr. No.	State	Holding Company	Allocation methodology as approved by the Commission	Order Considered	Ref Page No.
3	Bihar	BSP(H)CL	<p>Allocation basis not there in Tariff Order. But the Commission allowed the expenses as booked in the Accounts of Discoms, Transco and Genco.</p> <p>Further, In Tariff Order for FY 2016-17 SBPDCL has submitted that BSPHCL provides common services to all segregated entities and as per the Transfer Scheme “operating expenses incurred by the Holding Company like administration and general expenses, legal and consulting fees, etc. would be shared by the BSPGCL, BSPTCL, SBPDCL and NBPDCCL in the ratio of their respective</p>	<p>Tariff Order for FY 2019-20 dated 25.2.2019</p> <p>and Tariff Order for FY 2016-17 dated 21.3.2016</p>	<p>For T.O for FY 2019-20, Para 7.26 Page 364</p>

- 3.6.44. UPPCL has started to allocate its O&M expenses till FY 2020-21 to all of its subsidiary State Government Distribution Licensees, in a rational and transparent manner in the books of accounts wef FY 2019-20. As the UPPCL O&M expenses are not forming part of claimed normative O&M expenses, therefore the Petitioner has considered a nominal 5% escalation every year in the FY 2018-19 figures of UPPCL O&M expenses and allocated the same in proportion to the energy drawl by respective Discoms. The Petitioner’s share as per this approach works out to Rs. 78.82 Crore, which has been made claimed under the A&G Expenses head. Further, at the time of truing-up of FY 2021-22, the UPPCL O&M Expenses shall form part of the Petitioner’s O&M Expenses, in line with the UPPCL OM issued, therefore, it shall not be claimed separately in true-up.
- 3.6.45. Further, it is also important to mention here that, both expenses i.e. Smart metering OPEX and UPPCL O&M Expenses, were not covered under the A&G Expense head in the past periods and therefore, do not form part of the base year’s O&M Expenses also. Therefore, these expenses shall be allowed in full, over and above the usual A&G Expenses proposed by the Petitioner.
- 3.6.46. Based on the above submission, the summary of the Operation & Maintenance expenses (O&M) approved in the Tariff Order for FY 2020-21 vis-a-vis the O&M expenses claimed are shown in the table below:

Table 3-16: Operation & Maintenance Expenses for FY 2020-21 (Rs. Crore)

Particulars	Approved	Revised Estimates
Employee Expenses	737.94	692.68
Administrative and General Expenses	540.11	338.31
Repair & Maintenance Expenses	146.35	1,442.32
Gross O&M Expenses	1424.40	2,473.31
Less:		
Employee Expenses capitalized	360.19	460.33
Administrative and General Expenses capitalized	0	0
Total Expenses Capitalized	360.19	460.3322
Net O&M Expenses	1064.21	2,012.98
Add: Additional Expenses under the head Employee Expenses		
7th Pay Commission Arrears under Employee Expenses		5.38
Add: Additional Expenses under the head A&G Expenses		
Smart Meter OPEX		59.21
UPPCL O&M Expenses		78.82
Total O&M Expenses to be claimed in the APR	1,064.21	2,156.39

- 3.6.47. The Petitioner requests the Hon'ble Commission to allow O&M Expenses as shown in the above Table, by exercising their power to remove difficulties under clause 56 of UPERC (Multi Year Tariff for Distribution and Transmission) Regulations, 2019 The relevant clause is reproduced as below:

“56. Power to remove difficulties

If any difficulty arises in giving effect to the provisions of these Regulations, the Commission may, by general or specific Order, give directions, not inconsistent with the provisions of the Act, as may appear to be necessary or expedient for the purpose of removing difficulties.”

- 3.6.48. As already submitted that the O&M Expenses consists of three components – Employee Expenses, R&M Expenses and A&G Expenses.
- 3.6.49. While projecting the Employee Expenses, the Petitioner has considered its prevailing number of employees in FY 2018-19 and has applied CPI escalation over the same. However, any increase in the number of employees, pay revision impact (apart from 7th Pay Commission arrears), increase in number of consumers, sales, etc. has not been factored while projecting the Employee Expenses for FY 2020-21. The Petitioner submits that

increase in these factors should also be considered by the Hon'ble Commission while approving the Employee Expenses in the ARR and also at the time of truing-up for FY 2020-21, by exercising power to remove difficulties under clause 56 of the UPERC (Multi Year Tariff for Distribution and Transmission) Regulations, 2019 as mentioned above.

- 3.6.50. Further, while projecting R&M Expenses, the Petitioner has considered its prevailing network infrastructure and fixed asset base in FY 2018-19 and has applied WPI escalation over the same. However, any increase in the fixed asset base, wage revision of contracted labours, etc. has not been factored while projecting the R&M Expenses for FY 2020-21. The Petitioner submits that increase in these factors should also be considered by the Hon'ble Commission while approving the R&M Expenses in the ARR and also at the time of truing-up for FY 2020-21, by exercising power to remove difficulties under clause 56 of the UPERC (Multi Year Tariff for Distribution and Transmission) Regulations, 2019 as mentioned above.
- 3.6.51. Further, while projecting A&G Expenses, the Petitioner has considered its prevailing number of consumers, sales, employees, consumer services in FY 2018-19 and has applied WPI escalation over the same. However, any increase in these factors, has not been factored while projecting the A&G Expenses for FY 2020-21. The Petitioner submits that increase in these factors should also be considered by the Hon'ble Commission while approving the A&G Expenses in the ARR and also at the time of truing-up for FY 2020-21, by exercising power to remove difficulties under clause 56 of the UPERC (Multi Year Tariff for Distribution and Transmission) Regulations, 2019 as mentioned above.
- 3.6.52. Further, due to COVID-19 pandemic, there may be additional the O&M Expenses for FY 2020-21 on account of enhanced protocols in terms of hygiene, social distancing, etc. Therefore, the Petitioner requests the Hon'ble Commission to consider the possible increase in O&M Expenses on this account also for FY 2020-21, by exercising power to remove difficulties under clause 56 of the UPERC (Multi Year Tariff for Distribution and Transmission) Regulations, 2019 as mentioned above.
- 3.6.53. The Petitioner wish to submit that it intends to recover its legitimate actual O&M Expenses and do not intend to get any additional benefit out of the same. Further, the Hon'ble Commission has also removed the sharing of gain/(loss) on account of variation in O&M Expenses in its MYT Regulations, 2019. Accordingly, the Petitioner submits that the Hon'ble Commission may consider restricting each component of O&M Expenses to the audited figures at the time of Truing-Up, so that the Petitioner is neither benefitted nor at loss from the O&M Expense component.

3.7. Capital Investment, Capitalisation and Financing

3.7.1. The Petitioner has considered the same Capex schemes as approved by the UPERC in its Tariff Order for FY 2020-21 dated 11 November 2020. The summary of capex schemes (submitted in the MYT Formats) are also shown in the Table below:

Table 3-17: Capital Expenditure details for FY 2020-21 (Rs. Crore)

Sr. No.	Project Title (M)	FY 2020-21					
		Consolidated					
		Financing Plan					
		Physical	Finance	Grant	Consumer Contribution	Debt	Equity/Internal Accrual
1	Replacement of bare conductors with LT AB cable in rural habitations having more than 1000 population		300.54			210.38	90.16
	Target Kms	7,667					
2	Installation of LT AB cable in urban areas	150	25.00	4.29		14.50	6.21
3	Extended program for feeder separation for balance agricultural feeders						
4	Replacement of bare conductors with LT AB cable in remaining rural habitations		111.00	111.00			
	Target Kms	2,402					
5	Installation of new Capacitor banks		83.00	83.00			
	1.98 MVAR	241					
	3.96 MVAR	33					
6	New 33/11 KV Substation and capacity augmentation						
	Rural-33/11 KV Sub-station (1x5 MVA-Nos.)	38	58.52			40.96	17.56
	Urban-33/11 KV Sub-station (1x5 MVA-Nos.)	11	15.40			10.78	4.62
7	Construction of New 33KV lines to utilize bays for new transmission Sub-stations						
	Rural-33 KV Line (9 metre PCC Pole)-CKM	715	51.48			36.04	15.44
	Urban-33 KV Line (11 metre ST Pole)-CKM	127	9.144			6.40	2.74
8	Replacement of HT LT line by Underground cable in additional 15 districts	5.00	1,277.00	1,277.00			
9	Strengthening of 11 kV & LT Line and Replacement of damaged pole, providing additional pole in long span -CKM	3,800	20.00				20.00
10	Saubhagya Phase-3		450.47	450.47			
	Service Connection (Nos)	149,336					
11	IT INFRASTRUCTURE		120.69				120.69
Total			2,522.25	1,925.76	-	319.06	277.43

Note: If actual ratio of Debt and Equity is not available then it is in the ration of 70:30.

3.7.2. Opening CWIP, fresh investment, Interest and employee capitalisation has been considered as approved by the Hon'ble Commission in its Tariff Order for FY 2020-21 dated 11 November 2020. Considering the Capital Work in Progress balances (CWIP), investment during the year, capitalisations, the Petitioner has computed the closing CWIP for FY 2020-21. The details are provided in the Table below:

Table 3-18: Capital Investment in FY 2020-21 (Rs. Crore)

Particulars	Derivation	Approved in T.O	Revised Estimates
Opening WIP as on 1st April	A	4805.89	2,285.66
Investments	B	3249.16	3,249.16
Employee Expenses capitalisation	C	386.41	460.33
A&G Expenses Capitalisation	D	-	0.00
Interest Capitalisation on Interest on long term loans	E	208.28	225.36
Total Investments	F= A+B+C+D+E	8649.74	6,220.51
Transferred to GFA (Total Capitalisation)	G	3,464.42	2,899.62
Closing WIP	H=F-G	5,185.31	3,320.89

3.7.3. The Hon'ble Commission in its previous Tariff Orders had considered the funding of Capital Expenditure for the Central Schemes RGGVY 11th Plan, DDUGJY, RAPDRP, and IPDS as follows:

Table 3-19: Schemes for FY 2020-21

Scheme	Allowed	Deducted (Grant)
RGGVY 11th Plan	10%	90%
DDUGJY	40%	60%
RAPDRP	75%	25%
IPDS	40%	60%
Saubhagya Yojana	40%	60%

3.7.4. Accordingly, capital grants, if any, provided by GoI for capital investments of above central schemes has been added with the Consumer contribution.

3.7.5. The Table below summarises the amounts received towards consumer contributions, capital grants and subsidies in FY 2020-21:

Table 3-20: Consumer Contributions, Capital Grants and Subsidies in FY 2020-21 (Rs. Crore)

Particulars	Approved in T.O	Revised Estimates
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	4,371.08	4,820.82
Additions during the year includes consumer contribution and grants	2,645.40	2,361.91
Less: Amortisation on consumer contribution part only	112.27	112.27

Particulars	Approved in T.O	Revised Estimates
Closing Balance	6,904.21	7,070.45

Note: Petitioner is not claiming any addition in Consumer Contribution Towards Cost of Capital Assets as per projected Capital Investment Plan.

- 3.7.6. As discussed in above Tables, the capital investment eligible for financing after deducting consumer contribution and grant is shown in the table below. The Petitioner has consider the same approach as in previous Orders and therefore, considered the funding of capital expenditure in the ratio of 70:30. Considering this approach, 70% of the capital expenditure undertaken during the year has been financed through loan and balance 30% has been financed through equity contributions.

Table 3-21: Financing of the Capital Investments in FY 2020-21 (Rs. Crore)

Particulars	Derivation	Revised Estimates
Investment	A	3,249.16
Less:		
Consumer Contribution and Grants	B	2,361.91
Investment funded by debt and equity	D=A-B	887.25
Debt Funded	70% of D	621.07
Equity Funded	30% of D	266.17

3.8. Interest & Finance Charges

Interest on Long Term Loan

- 3.8.1. The Hon'ble Commission in its previous Tariff and True-Up Orders had considered a normative tariff approach with a debt equity ratio of 70:30. Considering this approach, 70% of the capital expenditure undertaken in any year was financed through loan and balance 30% has been financed through equity contributions. The portion of capital expenditure financed through consumer contributions, capital subsidies and grants are separated and the depreciation, interest and return on equity thereon was not charged to the consumers. The amounts received as consumer contributions, capital subsidies and grants were traced from the audited accounts. Subsequently, the financing of the capital investment was worked out based on the debt equity ratio of 70:30 and allowable depreciation was considered as normative loan repayment.
- 3.8.2. The Petitioner has worked-out the interest on long term loan based on the same philosophy.
- 3.8.3. The Hon'ble Commission, while computing interest on loan for FY 2020-21 has changed its approach followed in past Tariff/ True-up Orders and deducted the cumulative depreciation up to 31st March 2020 as per the Regulation 23.2 of UPERC MYT (Distribution and Transmission) Regulations, 2019. The Hon'ble Commission has deviated from its earlier

approach of considering the closing loan from the last year as the opening, while the same is adopted for ROE and Depreciation.

- 3.8.4. The Petitioner has followed the approach followed by the Hon'ble Commission in its earlier Orders. The opening balance of long term loan has been considered equivalent to the closing loan balance for FY 2019-20.
- 3.8.5. Allowable depreciation for the year has been considered as normative loan repayment. The weighted average rate of interest for FY 2020-21 has been considered as per FY 2019-20.
- 3.8.6. Considering the above, the interest on long term loan has been computed below. The interest capitalisation rate has been considered as per audited accounts. The computations for interest on long term loan are shown in table below:

Table 3-22: Allowable Interest on Long Term Loan for FY 2020-21 (Rs. Crore)

Particulars	Approved in T.O 11.11.2020	Revised Estimate
Opening Loan	2538.88	6,404.64
Loan Additions (70% of Investments)	573.31	621.07
Less: Repayments (Depreciation allowable for the year)	317.80	383.35
Closing Loan Balance	2,794.40	6,642.37
Weighted Average Rate of Interest	8.70%	10.24%
Interest on long term loan	232.03	667.88
Interest Capitalisation Rate	21.58%	34%
Less: Interest Capitalized	50.08	225.36
Net Interest on Loan term loan	181.95	442.52

Interest on Consumer Security Deposits

- 3.8.7. The normative interest on consumer security deposit approved by the Hon'ble Commission in Tariff Order for FY 2020-21 is to the tune of Rs. 21.66 Crore. The Petitioner requests the Hon'ble Commission to consider the same Crore for APR of FY 2020-21.

3.9. Interest on Working Capital

Interest on Working Capital

- 3.9.1. The Petitioner has determined Interest on Working Capital for FY 2021-22 as per Regulation 25.2 (a) & 25.2 (b) of UPERC (Multi Year Tariff for Distribution & Transmission) Regulations, 2019. The Regulation 25.2 (a) & 25.2 (b) is quoted below:

“(a)The working capital requirement of the Distribution Business shall cover:

- (i) Operation and maintenance expenses for one month;*
- (ii) Maintenance spares at 40% of the R&M expenses for two months; and*
- (iii) One and half month equivalent of the expected revenue from charges for use of Distribution system at the prevailing Tariff (excluding Electricity Duty);*

minus

(iv) *Amount held as security deposits from Distribution System Users:*

Provided that for the purpose of Truing-Up for any year, the working capital requirement shall be re-computed on the basis of the values of components of working capital approved by the Commission in the Truing- Up;

(b) Rate of interest on working capital shall be simple interest and shall be equal to the SBI MCLR (1 Year) on October 01, 2019 plus 250 basis points:

Provided that for the purpose of Truing-Up for any year, simple interest on working capital shall be allowed at a rate equal to the weighted average SBI MCLR (1 Year) prevailing during the concerned Year plus 250 basis points.”

3.9.2. While determining Interest on Working Capital (IoWC) for true up of FY 2018-19 and ARR for FY 2020-21 in its Tariff Order dated 11 November 2020, UPERC has deducted the subsidy amount from the expected Revenue (Revenue from Tariff +Subsidy) while considering two/one and half month equivalent of revenue. As per Clause 54 of UPERC (MYT Distribution and Transmission) Regulations, 2019, “*If the State Government requires to grant subsidy to any consumer or class of consumers in the Tariff determined by the Commission, the same shall be provided as per Section 65 of the ACT*”.

3.9.3. Further, extract of Section 65 of EA 2003 is shown below:

“Section 65. (Provision of subsidy by State Government):

If the State Government requires the grant of any subsidy to any consumer or class of consumers in the tariff determined by the State Commission under section 62, the State Government shall, notwithstanding any direction which may be given under section 108, pay, in advance and in such manner as may be specified, the amount to compensate the person affected by the grant of subsidy in the manner the State Commission may direct, as a condition for the licence or any other person concerned to implement the subsidy provided for by the State Government:

Provided that no such direction of the State Government shall be operative if the payment is not made in accordance with the provisions contained in this section and the tariff fixed by State Commission shall applicable from the date of issue of orders by the Commission in this regard.”

3.9.4. Section 65 itself clarifies that subsidy is the part of Tariff which State Governments provides on behalf of poor consumers who can't pay their bills. Thus, approach of UPERC not considering subsidy as part of expected revenue is incorrect. Other States also following the same approach and considers subsidy as a part of revenue for determining IoWC such as Madhya Pradesh, Maharashtra etc.

3.9.5. Accordingly, the Petitioner has computed the normative working capital requirement considering subsidy as a part of expected revenue and has projected Interest on Working Capital as shown in the table below:

Table 3-23: Interest on Working Capital for FY 2020-21 (In Rs. Crore)

Particulars	Derivation	Approved	Revised estimated
One Month's O&M Expenses	A	58.79	179.70
45 days equivalent of the expected revenue from charges for use of Distribution system at the prevailing Tariff (excluding Electricity Duty)	B	1,472.78	1,958.84
Maintenance spares @ 40% of R&M expenses for two month	C	27.46	96.15
Less: Security Deposit from consumers, if any	D	640.33	487.72
Total Working Capital Requirement	E = A+B+C-D	918.71	1,746.98
Interest rate (SBI MCLR (1 Year) on Oct 01, 2019 Plus 250 basis points)	F	10.65%	10.65%
Interest on working capital	G = E x F	97.84	186.05

3.9.6. Considering the hardship faced by the Petitioner in this force majeure condition (COVID-19 pandemic), it was requested to the Hon'ble Commission in ARR and Tariff Petition for FY 2020-21 to allow relaxation for considering receivables of four months instead of 45 days for the computation of working capital, by exercising their power to remove difficulties under clause 56 of UPERC (Multi Year Tariff for Distribution and Transmission) Regulations, 2019. But the Hon'ble Commission has not considered the same while allowing IoWC for FY 2020-21 in its Tariff Order for FY 2020-21. It is once again requested to the Hon'ble Commission to allow relaxation for considering receivables of four months instead of 45 days for the computation of working capital, by exercising their power to remove difficulties under clause 56 of UPERC (Multi Year Tariff for Distribution and Transmission) Regulations, 2019.

3.9.7. The following table summarises the Interest and Finance charges projected by the Petitioner for FY 2020-21.

Table 3-24: Interest and Finance Charges for FY 2020-21 (in Rs. Crore)

Particulars	Approved in T.O 11.11.2020	Revised Estimates
A: Net Interest on Long Term Loans	181.95	442.52
B: Interest on Consumer Security Deposits	21.66	21.66
C: Interest on Working Capital	142.00	186.05
Total (A+B+C)	345.61	650.23

3.10. Depreciation

3.10.1. The Hon'ble Commission has considered the written down depreciation method for the assets capitalized before 1.4.2020 and straight line depreciation method for assets capitalized after 1.4.2020. The Petitioner has computed the allowable depreciation expense on the GFA base based on the Hon'ble Commission approach approved in Tariff Order for

FY 2020-21 and at the rates approved by the Hon'ble Commission in MYT (Distribution and Transmission) Regulations, 2019. The Petitioner has computed the depreciation only on the depreciable asset base and has excluded the non-depreciable assets such as land, land rights, etc. Further, the Petitioner has reduced the depreciation/amortization on assets created out of consumer contributions, capital grants and subsidies from allowable depreciation for FY 2020-21. The Petitioner has considered the amortisation of Consumer contribution approved in Tariff Order for FY 2020-21 .

3.10.2. Considering this philosophy, the gross entitlement towards depreciation has been computed as shown in the Table below:

Table 3-25: GROSS ALLOWABLE DEPRECIATION FOR ASSETS UPTO 31.03.2020 FOR FY 2020-21 (RS. CRORE)

Sr. No	Particulars	Closing Written down GFA (as on 31.3.2020)	Gross Depreciation during 2020-21	Balance Depreciable Value as on 1.4.2020 (Opening GFA)	Addition to GFA	Average % of Deductions of Last 3 true-Ups	Deduction to GFA	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
1	Land & Land Rights	0.72	0.00	0.72				0.72	0.72	0.00%	0.00
2	Buildings	99.29	3.02	96.27				96.27	96.27	3.34%	3.22
3	Plant & Machinery	3758.63	184.68	3573.94				3573.94	3573.94	5.28%	188.70
4	Lines, Cables, Network etc.	4500.31	176.83	4323.48				4323.48	4323.48	5.28%	228.28
5	Vehicles	57.26	1.94	55.32				55.32	55.32	6.33%	3.50
6	Furniture & Fixtures	1.29	0.07	1.22				1.22	1.22	6.33%	0.08
7	Office Equipments	0.68	0.04	0.64				0.64	0.64	6.33%	0.04
8	Total Fixed Assets	8418.17	366.58	8051.59				8051.59	8051.59		423.82
9	Non depreciable assets (Land & Land Rights)	0.72		0.72				0.72	0.72		
10	Depreciable assets	8417.45	366.58	8050.88				8050.88	8,050.88	5.26%	423.82

Table 3-26: GROSS ALLOWABLE DEPRECIATION FOR ASSETS AFTER 1.04.2020 FOR FY 2020-21 (RS. CRORE)

S. No	Particulars	Closing Written down GFA (as on 31.3.2020)	Gross Depreciation during 2019-20	Balance Depreciable Value (as on 1.4.2020) for FY 2020-21	Addition to GFA	Deduction to GFA	Deduction of Grants	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
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S. No	Particulars	Closing Writted down GFA (as on 31.3.2020)	Gross Depreciation during 2019-20	Balance Depreciable Value (as on 1.4.2020) for FY 2020-21	Addition to GFA	Deduction to GFA	Deduction of Grants	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
1	Land & Land Rights	0	0	0	0	0	0	0	0	0.00%	0
2	Buildings	0	0	0	34.67	0	2.05	32.62	16.31	3.34%	0.54
3	Plant & Machinery	0	0	0	1,287.20	0	76.28	1,210.92	605.46	5.28%	31.97
4	Lines, Cables, Network etc.	0	0	0	1,557.15	0	92.27	1,464.88	732.44	5.28%	38.67
5	Vehicles	0	0	0	19.93	0	1.18	18.74	9.37	6.33%	0.59
6	Furniture & Fixtures	0	0	0	0.44	0	0.03	0.41	0.21	6.33%	0.01
7	Office Equipments	0	0	0	0.23	0	0.01	0.22	0.11	6.33%	0.01
8	Total Fixed Assets	0	0	0	2,899.62	0	171.83	2,727.79	1,363.90		71.80
9	Non depreciable assets (Land & Land Rights)	0	0	0	0	0	0	0	0	0	0
10	Depreciable assets	0	0	0	2,899.62	0.00	171.83	2,727.79	1,363.90	5.26%	71.80

3.10.3. Accordingly, the depreciation as approved by the Hon'ble Commission in its Tariff Order dated 11.11.2020 and Revised Estimates as computed above is shown as under:

Table 3-27: NET APPROVED DEPRECIATION FOR ASSETS OF PuVVNL FOR FY 2020-21 (RS. CRORE)

Particulars	Approved	Revised Estimates
Gross Depreciation on Assets up to 31.3.2020	401.24	423.82
Gross Depreciation on Assets after 1.4.2020	28.83	71.80
Gross Allowable Depreciation	430.07	495.62
Less: Amortisation of assets acquired out of the Consumer Contribution	112.27	112.27
Net Allowable Depreciation	317.80	383.35

3.11. Provision for Bad and Doubtful Debts

3.11.1. The Regulation 46 of UPERC (Multi Year Tariff for Distribution & Transmission) Regulations, 2019 provides for expenses under bad and doubtful Debts to the extent of 2% of the revenue receivables as specified below:

Quote

46.1 For any Year, the Commission may allow a provision for write off of bad and doubtful debts up to 2% of the amount shown as Revenue Receivables from sale of electricity in the audited accounts of the Distribution Licensee for that Year or the actual write off of bad debts, whichever is less:

Provided further that such provision allowed by the Commission for any Year shall not exceed the actual provision for write off of bad and doubtful debts made by the Distribution Licensee in the audited accounts of that Year:

Provided that the Commission, in its ARR / Tariff Order, may provisionally approve provision for write off of bad and doubtful debts based on the actual provision for write off of bad and doubtful debts made by the Distribution Licensee in the latest Audited Accounts available for the Petitioner, and as allowed by the Commission:

Provided further that if subsequent to the write off of a particular bad debt, revenue is realised from such bad debt, the same shall be included under the Non-Tariff Income of the year in which such revenue is realised.

Unquote

- 3.11.2. The Petitioner has computed bad and doubtful debts at 2% of the revenue receivables as for FY 2020-21.

Table 3-28: Allowable Provision for Bad and Doubtful Debts for FY 2020-21 (Rs Crore)

Particulars	Approved in T.O 11.11.2020	Revised Estimates
Total Revenue Receivables from Retail Sales	13588.44	15670.74
% of Provision for Bad and Doubtful Debts	1.78%	2.0%
Bad Debt Claimed	242.20	313.41

3.12. Return on Equity

- 3.12.1. The Regulation 22 of the MYT (Distribution and Transmission) Regulations, 2019 provides for return on equity @15% post-tax per annum for Distribution Licensee as specified below:

Quote

“22 Return on equity

22.1 Return on equity shall be computed in Rs. terms on equity base at the rate of 14.5% post-tax per annum for the Transmission Licensee and at the rate of 15% post-tax per annum for Distribution Licensee respectively as determined in accordance with Regulation 20:

Provided that assets funded by Consumer Contribution / Deposit works, Capital Subsidies / Grants and corresponding Depreciation shall not form part of the Capital Cost. Actual Equity infused by the Licensee as per book value shall be considered and shall be used for computation in these Regulations.”

Unquote

- 3.12.2. The Petitioner has considered closing equity provisionally approved for FY 2019-20 by the Hon'ble Commission in its Tariff Order for FY 2020-21, as opening for FY 2020-21. Equity addition during the year has been considered 30% of GFA addition during the year net of consumer contribution, capital subsidies/ grants.
- 3.12.3. The Return on Equity (RoE) for FY 2020-21 is shown below:

Table 3-29: Return on Equity (RoE) for FY 2020-21 (Rs. Crore)

Particulars	Approved in T.O 11.11.2020	Revised Estimates
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Particulars	Approved in T.O 11.11.2020	Revised Estimates
Opening Equity	2,875.91	3,515.13
Additions (30% of Capitalization net of Consumer Contribution and Grants)	245.71	818.34
Closing Equity	3,121.61	4,333.47
Rate of Return on Equity (%)	15.00%	15.00%
Allowable Return on Equity	449.81	588.65

3.13. Revenue from Sale of Power

3.13.1. The Hon'ble Commission had projected revenue from sale of power to Rs. 13,588.44 Crore in Tariff Order for FY 2020-21 dated 11.11.2020. The Petitioner has estimated the revenue for FY 2020-21 to Rs. 12,345.94 Crore.

3.14. Non-Tariff Income

3.14.1. The Hon'ble Commission had approved non-tariff income of Rs. 13.14 Crore in the Tariff Order for FY 2020-21 dated 11.11.2020, the Petitioner has considered the same for FY 2020-21.

Note: The Hon'ble Commission has approved Rs. 12.57 Crore for Non-Tariff Income of FY 2020-21 in the section of Non-Tariff Income and Petitioner has Estimating the same in APR. However, in PuVVNL ARR Table for FY 2020-21 the Hon'ble Commission has mentioned it as Rs. 13.14 Crore. It is requested to correct the same.

3.15. GoUP Subsidy

3.15.1. In the Tariff Order for FY 2020-21, the Hon'ble Commission had approved the revenue subsidy from GoUP to be Rs. 3,224.80 Crore. The Petitioner estimates the same revenue subsidy from GoUP for FY 2020-21. Further, the Petitioner not considered any additional subsidy as the GoUP has not given any such approval regarding additional subsidy.

3.16. Annual Performance Review (APR) for FY 2020-21

3.16.1. The Annual Performance Review (APR) for FY 2020-21 is summarised in the table below:

Table 3-30: Aggregate Revenue Requirement (ARR) for FY 2020-21 (Rs Crore)

Sr. No.	Particular	FY 2020-21	
		Approved	Revised Estimates
1	Power Purchase Expenses including PGCIL charges	12,815.00	12,968.38
2	Transmission Charges	601.87	632.70
3	Total O&M expenses net of capitalisation (With Employee Arrears)	1,037.99	2,156.39
4	Interest and Finance charges	345.61	650.23
5	Contribution towards Contingency Fund	-	-
6	Depreciation	317.80	383.35

Sr. No.	Particular	FY 2020-21	
		Approved	Revised Estimates
7	Prior Period Expenses		-
8	Bad and Doubtful Debts	242.20	313.41
9	Gross Expenditure	15,360.47	17,104.47
10	Add: Return on Equity	449.81	588.65
11	Less: Non-tariff Incomes	13.14	12.57
12	Less: revenue from Cross-subsidy (Short-term open access consumers)	0.57	0.57
13	Annual Revenue Requirement	15,796.58	17,679.97
14	Revenue from Tariff incl DPS	13,588.44	12,345.94
15	GoUP Subsidy	3,224.80	3,324.80
16	Net Revenue (Gap)/Surplus	1,116.66	(2,009.23)

3.16.2. The Petitioner requests to approve the Revised Estimates of the ARR claimed/ Revenue Gap for FY 2020-21 in above Table.

4. Aggregate Revenue Requirement (ARR) for FY 2021-22

4.1. Consumption Parameters: Consumer Numbers, Connected Load and Sales

4.1.1. The petitioner while projecting the billing determinants (number of consumers, load and energy sales) for FY 2021-22, in its Business Plan Petition had considered appropriate growth rates for different categories and sub-categories, considering FY 2021-22 to be a normal 'business as usual' year, i.e. free from impact of any lockdown situation as has happened in FY 2020-21. It is submitted that the Hon'ble Commission while approving the sales for FY 2021-22, in its Business Plan Order dated 27 October 2020, had considered higher growth rates for several categories, which in view of the Petitioner are unlikely to be achieved, based on the current situation.

4.1.2. The petitioner, therefore, requests the Hon'ble Commission to consider the billing determinants for FY 2021-22 as per projections submitted in this Petition, which have been arrived at by considering appropriate growth rates on revised estimates for FY 2020-21 in case of number of consumers and load and on actual figures for FY 2019-20 in case of energy sales. It is again humbly submitted to the Hon'ble Commission that the billing determinants as approved by the Hon'ble Commission for FY 2021-22 are not likely to be achieved and thus would result in over-projection of revenue.

4.1.3. The Category-wise billing determinants as approved by the Commission and claimed by the petitioner for FY 2021-22 is shown in the Table below:

Table 4-1: Billing Determinants projected for FY 2021-22

Category	Approved in Business Plan Order			Projected		
	Consumer s (No.)	Load (kW)	Sales (MU)	Consumers (No.)	Load (kW)	Sales (MU)
LMV-1 Domestic light fan & power	8507383	12003276	14749.18	8,102,853	11,485,410	14,532.14
LMV-2-Non domestic light fan & power	467305	1418820	2654.96	446,498	1,372,392	2,072.03
LMV-3 Public lamps	348	69004	227.71	367	45,104	117.41
LMV-4 Light, fan & power for public/private institution	23957	142744	207.09	23,179	134,113	198.29
LMV-5 Private tube well/pumping sets	322531	1378085	2356.80	327,496	1,401,274	2,252.58
LMV-6 Small & medium power upto 100 hp/75kw	32601	365610	606.44	31,677	354,789	571.66

Category	Approved in Business Plan Order			Projected		
	Consumers (No.)	Load (kW)	Sales (MU)	Consumers (No.)	Load (kW)	Sales (MU)
LMV-7 Public water works	3616	140288	359.09	3,528	116,616	343.88
LMV-8 State tube wells & pumps canal upto 100 hp (lmv-8)	12201	215307	1109.73	12,186	221,674	1,097.57
Lmv-9 Temporary supply	299	625	0.28	293	3,774	1.47
LMV- 10 Departmental employees	31502	107655	249.27	30,595	101,591	114.78
LMV-11 Electric Vehicles	-	-	-	-	-	-
HV-1 Non industrial bulk load	968	294828	476.79	896	271,650	529.33
HV-2 Large & heavy power above 100 bhp (75 kw)	1325	292057	1651.82	1,207	268,877	1,201.09
HV-3 Railway traction	-	-	-	1	10,800	16.85
HV-4 Lift irrigation & p. canal above 100 bhp (75kw)	33	143269	491.34	33	142,045	486.48
Extra State Consumer	-	-	-	1	770	3.01
Total	94,04,069	1,65,71,568	25,141	8,980,809	15,930,879	23,538.56

4.1.4. The Hon'ble Commission is requested to approve the billing determinants as submitted in the above table.

4.2. Distribution Loss

4.2.1. It is submitted that the distribution loss trajectory for the period FY 2020-21 to FY 2024-25 was approved by the Hon'ble Commission in its Business Plan Order dated 27.10.2020. Hence, the Hon'ble Commission has not deliberated upon the same in the Tariff Order for FY 2020-21 and merely held that distribution loss trajectory as approved in Order dated 27.10.2020 will be applicable for FY 2020-21.

4.2.2. The Hon'ble Commission by its Business Plan Order dated 27.10.2020, completely ignoring the present ground realities and the actual distribution losses of the Petitioner has approved a stringent and an unachievable distribution loss trajectory for the MYT control period i.e., FY 2020-21 to FY 2024-25 holding that: -

- (a) Petitioner cannot seek distribution loss trajectory higher than what has been allowed by the Commission for the previous MYT control period i.e., FY 2017-2020, since the same would defeat the intent of the MYT framework.

- (b) Distribution loss trajectory shall be as per the MOU dated 30.01.2016 signed by Licensees under the UDAY scheme, which is binding.
- (c) For the purpose of reduction in distribution losses, adequate capital expenditure has been provided to the Petitioner in the ARR for the control period FY 2017-18 to FY 2019-20. Accordingly, Petitioner have made substantial investments for loss reduction through various State and Central Government schemes and programs. Therefore, now there is no justification for allowing a higher loss trajectory to the Licensees as it will amount to double whammy for the consumers who are paying for the system improvement cost through enhanced tariffs and would also have to bear the cost of increased distribution losses.

4.2.3. It is submitted that the objective of the UDAY scheme was reduction in AT&C losses, while the distribution loss trajectory was linked through collection efficiency. In terms of the applicable regulatory framework the distribution loss trajectory specified in the MoU dated 30.01.2016 (signed by Petitioner pursuant to the UDAY scheme) is not binding for the purpose of tariff determination by the Hon'ble Commission. In this regard reliance is placed upon Regulation 43.2 of MYT Regulations 2019, in terms of which the trajectory committed under UDAY scheme has to be merely considered by the Petitioner while submitting the distribution loss trajectory for approval by The Hon'ble Commission: -

“43.2 The Distribution Licensee shall submit the Distribution loss trajectory (taking into consideration the distribution loss trajectory committed in UDA Y) along with its Business Plan for the Commission's approval.”

4.2.4. In this regard it is noteworthy that: -

- (a) Even Assam State Electricity Regulatory Commission by its MYT Order dated 01.03.2019 while approving the distribution losses for the State Discoms for FY 2019-20 has not considered the UDAY loss trajectory and allowed a higher distribution loss of 16% as compared to 14.57% approved under the UDAY Scheme. ASERC had given such relaxation to the State Discom considering the inverse LT:HT ratio and massive electrification under Saubhagya Scheme.
- (b) The distribution loss trajectory agreed under the UDAY MoU was based on then existing circumstances i.e., consumer mix, existing LT/HT Network and number of metered/unmetered consumers. However, in the recent past the consumer mix has undergone a significant change with increase in rural consumers and decrease in urban consumers. It is an established fact that distribution loss is more in supply to rural consumers due to the inherent problems like pilferage of electricity, billing and collection related issues, inadequate support from law enforcement agency and large number of unmetered consumers.

- (c) Ministry of Power after considering the ground realities which have impacted UP Discom's efforts towards achieving the loss trajectory agreed under the MoU by its letter No.06/01(01)/2020 NEF(U) dated 06.03.2020 has sought for a revised action plan for reduction in distribution losses including AT&C loss trajectory from the Government of U.P. This evinces that the loss trajectory agreed under the UDAY MoU is not sacrosanct, since the same was based on then existing facts and circumstances, which have substantially changed today.

4.2.5. It is submitted that the Petitioner have been making continuous efforts to ensure reduction of distribution losses in order to achieve the loss trajectory specified under the UDAY MoU. For this purpose, UPPCL and UP Discoms including the Petitioners have undertaken various initiatives such as:-

- (a) Development of new infrastructure including strengthening and up-gradation of the existing network.
- (b) Introduction of feeder separation schemes including feeder metering and audit.
- (c) Installation of capacitor banks at various levels across different regions to reduce technical losses.
- (d) Underground cabling and AB cabling has been initiated.
- (e) Installation of more than 45 lakh smart meters for various consumer categories to improve billing and collection efficiency and prepaid meters to reduce distribution and AT&C Losses.
- (f) Audit of CT/PT meters of LT and HT consumers to identify the miscreants.
- (g) Implementation of ERP by FY 2021
- (h) Metering of unmetered connections
- (i) To facilitate timely payment by the consumers; online payment system, spot billing, mobile collection vans and common service centre etc have been introduced recently.
- (j) Constitution of HV Cell to identify high value consumers whose load is more than 10 kW. These consumers are monitored separately for billing, collection efficiency, connection, disconnection and re-connection by HV Cell.
- (k) Energy efficiency schemes viz; Unnat Jyoti by Affordable LEDs and Appliances for All (UJALA), replacement of agriculture pumps with the energy efficient pumps etc.
- (l) Increase in number of raids/inspections to demotivate theft of electricity.

4.2.6. Due to the above-mentioned initiatives and earnest efforts of the Petitioner the distribution losses reduced considerably. However, the pace of accelerated distribution loss reduction

plan has been severely affected in recent times on account of the following uncontrollable factors: -

- (a) During the last three financial years, i.e., FY 2017-18, FY 2018-19 and FY 2019-20, Petitioner have undertaken accelerated electrification of consumers on a large scale pursuant to the mandate of Saubhagya Scheme and the State Government's Har Ghar Bijli Yojana to ensure access of electricity to all households in the State of Uttar Pradesh. Accordingly, a large number of rural consumers (at LT level) have been added to UP Discom's consumer base in the total numbers of rural metered consumers. It is pertinent to note that at LT level and especially in rural areas the length of the feeder is generally longer than usual. Hence, such exponential growth in rural-LT level consumers has directly resulted in increase of distribution losses on the low voltage network and decrease in HT:LT network ratio. A table showing the increase in rural-metered consumer is as below: -

LMV-1: Rural Metered

Discom	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20
	Actual	Actual	Actual	Actual	Revised Estimates
PuVVNL	492,431	527,760	1,222,559	4,140,088	4,668,427

LMV-:Total

Discom	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20
	Actual	Actual	Actual	Actual	Revised Estimates
PuVVNL	4,153,223	4,280,579	4,977,410	7,344,661	7,526,727

- (b) In the wake of COVID-19 pandemic and resulting economic lockdown, Petitioner have experienced drastic reduction in energy sales during FY 2020-21.
- (c) Significant shift in the consumption mix from HT categories and commercial & industrial consumers, is likely to impact the overall distribution loss levels of the Licensees. In fact, it may be possible that the distribution loss levels may actually increase.

4.2.7. In addition to the above it is pertinent to mention that for FY 2018-19 the overall distribution loss sharing component was 2.36% and including incremental sharing of AT&C loss the sharing component was 24.59%. However, provisions relating to sharing of distribution loss and AT&C loss does not exist in the UPERC MYT Regulations, 2019. Hence, Petitioner would not be able to claim any sharing on account of distribution losses

during the control period FY 2020-21 to FY 2024-25. Therefore, the only option available with the Discoms was to propose the distribution loss trajectory on the basis of actual loss level of FY 2019-20, and which the Discoms can possibly achieve, otherwise it will result in significant under recovery of power purchase cost. It is important to note that the distribution losses proposed by Petitioner for the MYT period FY 2020-21 to FY 2024-25 are lesser than the total admissible distribution losses as per the erstwhile UPERC MYT Regulations, 2014 (i.e., normative distribution losses + losses as per distribution loss sharing and AT&C Loss sharing).

- 4.2.8. It is submitted that considering the abovementioned ground realities and the significant impact of Covid-19 pandemic, Petitioner had sought approval of the distribution loss trajectory for FY 2020-21 at similar level as Audited/actual figures for FY 2019-20. From FY 2021-22 onwards, Petitioner has projected a reducing trend in the distribution loss trajectory. However, the Hon'ble Commission despite being completely aware of the abovementioned ground realities has approved a stringent and an unachievable distribution loss trajectory for the MYT control period i.e., FY 2020-21 to FY 2024-25: -

Distribution Loss Trajectory projection claimed by the UP Discoms and as approved by The Hon'ble Commission for the Control Period FY 2020 to FY 2025

Discom	DISTRIBUTION LOSS TRAJECTORY FOR FY 2020-2025									
	FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		FY 2024-25	
	Claimed	Allowed	Claimed	Allowed	Claimed	Allowed	Claimed	Allowed	Claimed	Allowed
PuVVNL	19.20%	11.83%	18.00%	11.36%	16.20%	10.93%	14.30%	10.55%	13.65%	10.18%

- 4.2.9. From the above table the following is noteworthy: -

- (a) As per the projection given by the UP Discoms the distribution losses would have significantly decreased in the subsequent years of the MYT period. The increase in Distribution loss is mainly for FY 2020-21 and FY 2021-22 on account of various uncontrollable factors explained above.
- (b) All the five Discoms had projected different distribution loss trajectory considering their own facts specific scenario. However, the Hon'ble Commission has proceeded in a mechanical manner by applying a straight-jacket formula to allow similar reduced trajectory for all Discoms i.e., in the same range.

- 4.2.10. The Hon'ble Commission has proceeded on an erroneous assumption that UP Discoms cannot seek distribution loss trajectory higher than what has been allowed by the Commission for the previous MYT control period i.e., FY 2017-2020. It is submitted that there is no such restriction envisaged in the Tariff Regulations. Moreover, it is a settled position that normative parameters under the MYT Order and Tariff Regulations ought to

be fixed considering past performance (i.e., it should be relatable to past performance), actuals of the previous control period and it should be capable of achievement. In this regard the following is noteworthy: -

- (a) Clause 5.11(f) of Tariff Policy 2016 which lays down the framework for determination of operating norms for distribution tariff: -

“5.11 Tariff policy lays down the following framework for performance based cost of service regulation in respect of aspects common to generation, transmission as well as distribution. These shall not apply to competitively bid projects as referred to in para 6.1 and para 7.1 (6). Sector specific aspects are dealt with in subsequent sections.

f) Operating Norms

*Suitable performance norms of operations together with incentives and disincentives would need to be evolved along with appropriate arrangement for sharing the gains of efficient operations with the consumers. Except for the cases referred to in para 5.11(h)(2), the operating parameters in tariffs should be at “normative levels” only and not at “lower of normative and actuals”. This is essential to encourage better operating performance. **The norms should be efficient, relatable to past performance, capable of achievement** and progressively reflecting increased efficiencies and may also take into consideration the latest technological advancements, fuel, vintage of equipments, nature of operations, level of service to be provided to consumers etc. Continued and proven inefficiency must be controlled and penalized.”*

- (b) In terms of Clause 8.2 of the Tariff Policy 2016 The Hon’ble Commission is mandated to set an achievable distribution loss trajectory: -

“8.2 Framework for revenue requirements and costs 8.2.1 The following aspects would need to be considered in determining tariffs:

.....

*(2) AT&C loss reduction should be incentivised by linking returns in a MYT framework **to an achievable trajectory**. Greater transparency and nurturing of consumer groups would be efficacious.*

- 4.2.11. In view of the above it is submitted that the distribution loss trajectory is also a normative parameter for determination of distribution tariff and hence for FY 2020-21 the same ought to have been relatable to past performance of the Discoms and capable of achievement. A table evincing the actual distribution losses of the UP Discoms in the previous control period (i.e., FY 2017-2019) vis-à-vis the loss trajectory approved by the Hon’ble Commission is as below: -

Table 4-2: Actual distribution losses from FY 2017-18 to FY 2020-21

Discom	FY 2017-18			FY 2018-19			FY 2019-20			FY 2020-21	
	As per UDAY Scheme	As per MYT Order	Actual	As per UDAY Scheme	As per MYT Order	Actual	As per UDAY Scheme	As per MYT Order	Actual	Claimed	Approved
PuVVNL	19.73%	19.73%	23.16%	16.43%	16.43%	20.49%	12.20%	12.20%	20.32%	19.20%	11.83%

- 4.2.12. In view of the above it is evident that in the past control period (i.e., FY 2018-20) the actual distribution loss of PuVVNL was in the range of 23.16% to 20.32%. However, the Hon'ble Commission for FY 2020-21 has fixed a stringent and practically unachievable distribution loss trajectory for the Discoms, which is approximately 50% less than the actuals of the last fiscal (i.e., FY 2019-20) and what was claimed by the Discoms (except KESCO). There is no possible way that the Discoms can achieve the loss trajectory approved by The Hon'ble Commission. It is pertinent to note that even The Hon'ble Commission in the True-up Order for FY 2018-19 has itself accepted that it approves a stringent distribution loss trajectory for the UP Discoms, which is much lower than the actual losses of the Discoms: -

*“6.7.40. In past, the Commission has approved several schemes for theft reduction and power quality improved like replacement of LT lines with ABC conductor, whose CAPEX was allowed in the ARR considering the merit of the schemes and benefits to both Discoms and also considering the fact that the **Commission approves a stringent Distribution Loss trajectory in the ARR, which is much lower than the actual losses of the Discoms** and such schemes like ABC cables should be allowed to encourage and support the Discoms/utilities efforts to reduce the losses and meet the Commission target.”*

- 4.2.13. It is submitted that the Petitioner have already been penalised by way of disallowance of power purchase cost in the previous MYT control period, for not achieving the distribution Loss targets approved by the Hon'ble Commission. Further the Aggregate Revenue Requirement (ARR) of the Petitioner allowed by the Hon'ble Commission at most of the times has been insufficient to meet the Average Cost of Supply (ACOS), with ACS-ARR gap being Rs.0.22 per unit in FY 2018-2019. Even the Hon'ble Commission in its Tariff Order dated 01.08.2016 while acknowledging the aforesaid position stated that the U.P. Discoms are under severe financial distress with cost recovery of only 65.97% in FY 2016-2017. Relevant findings of The Hon'ble Commission in Order dated 01.08.2016 is as under: -

*“**The U.P. DISCOMs are under financial distress.** As per the MOU signed by the DISCOMs, they had revenue deficit during FY 2013- 14 (Rs. 13,802 Crore) with an expected revenue deficit of Rs. 10,636 Crore in FY 2014-15. The accumulated losses have reached to the level of Rs.70,738 Crore (approx.) up to March 31, 2015. The outstanding debt level of the U.P. DISCOMs has reached Rs.53,211 Crore (Figures of outstanding loan as on September 30, 2015 are Audited as all lenders are yet to confirm the outstanding loan data as such the amount of loan may change upon confirmation) at the end of September 2015. Also, the interest cost burden of nearly Rs. 0.88per unit of sales during FY 15 is significantly higher than the national average of Rs 0.44 per unit only. **The***

Aggregate Revenue Requirement (ARR) is insufficient to meet the Average Cost of Supply (ACOS), with a cost recovery of only 65.97 %.”

- 4.2.14. Hence, an impossible and impractical distribution loss trajectory would further impact the financial situation of the Licensees as it has a huge long-term impact on the Discoms and would result in severe under recovery of power purchase cost to the tune of Rs. 4204 Crores.
- 4.2.15. It is submitted that the Hon’ble Commission while fixing the distribution loss trajectory for FY 2020-21 has followed the UDAY MoU in a selective manner i.e., it has only considered the distribution losses from the UDAY MoU and completely ignored the collection efficiency% which was in the range of 76 % to 96% (i.e., less than what has been considered by the Hon’ble Commission).
- 4.2.16. Therefore, considering practically unachievable UDAY MoU distribution loss trajectory as base is in contradiction to National Tariff Policy 2016 and the Regulation 5.4 of the UPERC MYT Regulations 2019. Hence the Petitioner request the Hon’ble Commission to consider the Distribution loss trajectory as prayed in the Business Plan Petition for the 2nd Control Period and reconsider its decision of setting an unachievable distribution loss trajectory for the Petitioner.
- 4.2.17. For the purpose of this Petition, i.e. APR for FY 2020-21 and ARR for FY 2021-22, the Petitioner has considered the following distribution loss levels and the Petitioner prays to the Hon’ble Commission to consider the same only.

Table 4-3: Distribution Loss (%) for FY 2021-22

Distribution Loss	FY 2021-22	
	Approved in Business Plan Order	Projected
PuVVNL	11.36%	18.00%

4.3. Energy Balance

- 4.3.1. The Energy Balance for FY 2021-22 based on projected Distribution losses and approved transmission losses is shown in the Table below:

Table 4-4: Energy Balance for FY 2021-22

Particulars	Claimed
Retail Sales (MU)	23,538.56
Distribution Losses (%)	18.00%
Energy at DISCOM Periphery for Retail Sales (MU)	28,705.56
Intra-State Transmission Losses %*	3.33%
Energy Available at State periphery for Transmission (MU)	29,694.38
Inter State Losses (MU)	351.14

Particulars	Claimed
Inter-State Transmission Losses % (% computed on Total input energy)	1.17%
Purchases Required & Billed Energy (MU)	30,045.52

4.4. Power Purchase Expense

- 4.4.1. UPPCL is procuring power on behalf of Discoms at consolidated level. Accordingly, the Power Purchase section represents the consolidated power purchase at UPPCL level. The consolidated energy balance (detailed Energy Balance with further break-up of inter-State energy has been in Format F13L of Petition Formats) for FY 2021-22 is as follows:-

Table 4-5: Consolidated Energy Requirement for FY 2021-22

Particulars	Claimed
Retail Sales (MU)	1,02,934.72
Distribution Losses (%)	16.61%
Energy at DISCOM Periphery for Retail Sales (MU)	1,23,438.84
Intra-State Transmission Losses %	3.33%
Energy Available at State periphery for Transmission (MU)	1,27,690.94
Inter State Losses (MU)	2,138.10
Inter-State Transmission Losses % (% computed on Total input energy)	1.65%
Purchases Required & Billed Energy (MU)	1,29,829.04

- 4.4.2. This power purchase requirement is primarily fulfilled through multiple sources, with whom UPPCL and Discoms have long-term tied-up allocated capacities. The main sources of power procurement are broadly categorised as under:
- State Generating Stations – UPRUVNL and UJVNL
 - Central Generating Stations – NTPC, NHPC, NPCIL, THDC, SJVNL
 - Independent Power Plants (IPPs) and Joint Ventures (JVs)
 - Renewable Energy Generating Stations – Solar, Wind, Biomass, Bagasse, MSW, etc.
- 4.4.3. In addition to the above sources, UPPCL is also required to purchase power from short-term sources including power trading companies, Power Exchanges in case of shortfall from regular sources or to meet the deviation from estimated demand depending on the availability.
- 4.4.4. It is submitted that the power procurement from different sources is undertaken by adopting Merit Order Despatch (MoD) principle for optimal utilization of the available sources at least variable cost. For projection of availability, the entire power available from all the tied-up sources during the financial year to meet the demand have been considered. Thereafter, the MoD principle has been applied on the generating stations not having must-

run status, on monthly basis to arrive at the projected power purchase for the month and accordingly the power purchase cost for the entire FY 2021-22 is computed. While full fixed (capacity) charges have been considered for all the generating stations, in respect of generating stations covered under MoD principles, the variable charges corresponding to the cheaper sources have been considered, whereas no variable charges have been considered in respect of energy not scheduled for power purchase.

- 4.4.5. Here, it is important to note that considering the capacity available and the demand projection, there is no power procurement projected from short-term sources, i.e. Traders or power exchange during FY 2021-22. This is due to the reason that the MoD principle has been applied on month on month basis. However, as the actual power is scheduled on 15 minute slot basis, these are bound for deviation from the MoD, due to actual availability of long-term sources for these slots. Therefore, the actual power procurement from various sources is bound to vary accordingly. Further, as already discussed, there shall also be requirement to purchase power from short-term sources including power trading companies, Power Exchanges in case of shortfall from regular sources or to meet the deviation from estimated demand depending on the availability. Accordingly, the Hon'ble Commission is requested to consider actual power purchase at the time of Truing-up and/or computation of Fuel Surcharge Rate, in accordance with the Regulations.
- 4.4.6. The assumptions considered for projection of power purchase quantum and cost is as follows:

Table 4-6: Assumptions considered for FY 2021-22

Sl No.	Generating Company/ Type of Generator	Power Purchase Quantum	Fixed & Variable Charges
Thermal			
1.	UPJVNL	Month wise power purchase quantum for FY 2021-22 is projected based on the monthly average PLF of generating stations from April 2015 to March 2020. For upcoming generating stations of UPRVUNL, 85% PLF is considered.	For UPRVUNL, NTPC & IPPs the fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 11.11.2020 for FY 2020-21 with escalation factor of 10%. For UPRVUNL, NTPC & IPPs, variable charges have been computed based on actual average energy charge for FY 2020-21 (April,2020 to December, 2020) with escalation factor of 2%. For upcoming generating stations, charges of similar units have been considered.
2.	NTPC		
3.	IPP/ JV (Thermal)		
HYDRO			
4.	UPJVNL	Month wise power purchase quantum for FY 2021-22 is projected based on the monthly average PLF of generating	The fixed charges have been computed based on the fixed charges approved by UPERC vide order dated 11.11.2020 for FY 2020-21 with
5.	NHPC		
6.	SJVN		

SI No.	Generating Company/ Type of Generator	Power Purchase Quantum	Fixed & Variable Charges
7.	THDC	stations from April 2015 to March 2020. Further, for upcoming generating stations simple average monthly PLF of all existing NHPC generating stations have been considered for projection of net power purchase quantum for FY 2020-21.	escalation factor of 10%. The variable charges have been computed based on actual average variable charge for the FY 2020-21 (April 2020 to December 2020) with escalation factor of 2%. For upcoming generating stations, average rate of similar generating stations have been considered.
8.	IPP/JV (Hydro)		
Nuclear			
9.	NPCIL	The net power purchase quantum for FY 2020-21 is projected in line with generation of FY 2019-20.	Variable charges have been computed based on actual average variable charge for the FY 2020-21 (April 2020 to December 2020) with escalation factor of 2%.
Renewable Energy			
10.	Solar	The net power purchase quantum for FY 2021-22 is estimated based on 19% CUF.	The energy charges have been computed based on the weighted average energy charge rate of solar generating stations.
11.	Wind	The net power purchase quantum for FY 2021-22 is estimated based on 25% CUF.	The energy charges have been computed based on the weighted average energy charge rate of wind generating stations.
12.	MSW	The net power purchase quantum for FY 2021-22 is estimated based on 75% CUF in line with UPERC (Captive and Renewable Energy Generating Plants) Regulations, 2019).	The energy charges have been considered in line with UPERC (Captive and Renewable Energy Generating Plants) Regulations, 2019).
13.	Biomass	The net power purchase quantum for FY 2021-22 is estimated based on 50% CUF.	The energy charges have been computed based on the weighted average energy charge rate of Biomass generating stations.
14.	Bagasse	The net power purchase quantum for FY 2021-22 is estimated based on 50% CUF.	The energy charges have been computed based on the weighted average energy charge rate of Bagasse generating stations.

Table 4-7: Generating Station-wise Power Purchase Cost for FY 2021-22

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs. Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
Long term Sources					
Power procured from own Generating Stations (if any)					

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs.Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
From State Generating Stations Thermal					
ANPARA-A	3,622.72	401.14	730.39		1,131.53
ANPARA-B	6,797.77	402.34	1,246.54		1,648.87
PANKI					
PARICHHA					
PARICHHA EXT.	-	436.03	-		436.03
OBRA-A					
OBRA-B	-	320.49	-		320.49
HARDUAGANJ	-	103.21	-		103.21
HARDUAGANJ EXT.	535.23	695.72	190.60		886.32
PARICHHA EXT. STAGE-II	226.21	651.82	84.24		736.05
ANPARA-D	4,541.67	1,422.78	832.05		2,254.83
Panki Extension	-	-	-		-
HARDUAGANJ EXT. Stage II	73.30	788.66	23.46		812.12
OBRA-C	-	-	-		-
Jawaharpur	-	-	-		-
UPRVUNL Consolidated					
Sub-Total	15,796.90	5,222.18	3,107.27	-	8,329.45
From State Generating Stations Hydro					
RIHAND	462.54	42.93	55.15		98.08
OBRA (H)	217.07	10.37	17.09		27.45
MATATILA	59.57	2.96	4.80		7.76
KHARA	243.64	13.57	12.01		25.58
UGC	21.84	-	6.31		6.31
SHEETLA	2.23	-	0.48		0.48
BELKA	1.91	-	0.34		0.34
BABAIL	1.33	0.25	0.60		0.86
Sub-Total	1,010.12	70.08	96.77		166.85
From Central Sector Generating Stations					
Thermal (NTPC)					
ANTA GPS	-	76.22	-		76.22
AURAIYA GPS	-	149.53	-		149.53
DADRI GPS	63.85	159.36	24.36		183.72
JHANOR GPS	-	-	-		-
KAWAS GPS	-	-	-		-
TANDA TPS	537.43	483.48	176.34		659.82
FGUTPS-1	754.55	245.37	235.36		480.73
FGUTPS-2	356.38	123.29	112.49		235.78
FGUTPS-3	118.29	81.20	37.92		119.12

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs.Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
FGUTPS-4	735.13	284.06	222.98		507.04
FSTPS	-	-	-		-
KHTPS-1	-	-	-		-
KHTPS-2	1,605.38	252.69	349.97		602.66
NCTPS-1	90.61	73.81	30.96		104.77
NCTPS-2	153.94	155.43	54.61		210.04
RIHAND-1	2,399.59	263.82	351.32		615.15
RIHAND-2	2,208.96	205.18	321.47		526.65
RIHAND-3	2,604.75	413.44	374.14		787.58
SINGRAULI	5,634.07	469.37	818.36		1,287.73
KORBA-I STPS	-	-	-		-
KORBA-III STPS	-	-	-		-
MAUDA-I STPS	-	-	-		-
MAUDA-II STPS	-	-	-		-
SOLAPUR TPS	-	-	-		-
SIPAT-I	-	-	-		-
SIPAT-II STPS	-	-	-		-
VINDHYACHAL-I STPS	-	-	-		-
VINDHYACHAL-II STPS	-	-	-		-
VINDHYACHAL-III STPS	-	-	-		-
VINDHYACHAL-IV STPS	-	-	-		-
VINDHYACHAL-V STPS	-	-	-		-
Tanda II	6,621.04	1,127.37	1,727.52		2,854.89
Indira Gandhi STPS, Jhajjar	-	-	-		-
URS Power	-	41.82	-		41.82
SINGRAULI STAGE III					
Indira Gandhi STPS, Jhajjar					
GADARWARA STPS-I					
LARA STPS-I					
KHARGONE STPS					
NTPC Consolidated					
Sub-Total	23,883.97	4,605.45	4,837.80	-	9,443.26
NPCIL					
KAPS	-	-	-		-
NAPP	1,130.24	-	346.88		346.88
TAPP-3 & 4	-	-	-		-
RAPP-3 & 4	528.56	-	177.08		177.08
RAPP-5 & 6	827.27	-	325.18		325.18
Sub-Total	2,486.07	-	849.14	-	849.14
Hydro (NHPC)					
SALAL	232.40	23.90	15.86		39.76

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs.Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
TANAKPUR	75.97	26.60	13.03		39.63
CHAMERA-I	485.86	54.96	58.99		113.95
URI	576.84	70.22	50.51		120.74
CHAMERA-II	380.54	54.19	46.73		100.91
DHAULIGANGA	274.77	45.14	36.82		81.96
DULHASTI	595.40	180.40	169.56		349.96
SEWA-II	145.23	49.86	39.22		89.09
CHAMERA-III	249.94	81.63	53.16		134.79
URI-II	353.70	135.30	79.75		215.05
PARBATI-III	160.66	121.16	28.62		149.78
KISHANGANGA	382.85	238.70	83.50		322.19
PARBATI-II	126.19	58.65	32.50		91.15
SUBANSIRI LOWER	893.23	-	230.04		230.04
PAKALDUL	983.55	-	253.30		253.30
NHPC Consolidated					
Sub-Total	5,917.11	1,140.71	1,191.59	-	2,332.30
HYDRO (NTPC)					
KOLDAM HPS	664.44	227.52	166.18		393.70
TAPOVAN VISHNUGARH	-	-	-		-
LATA TAPOVAN HEP	-	-	-		-
SINGRAULI SHPS	6.07	-	3.12		3.12
Sub-Total	670.51	227.52	169.30	-	396.82
HYDRO					
TEHRI	1,246.41	428.84	261.76		690.60
KOTESHWAR	511.39	136.21	118.90		255.12
Dhukwan SHP- THDC	119.22	-	59.22		59.22
VISHNUGARH PIPAL KOTHI	-	-	-		-
Thermal					
KHURJA STPP	-	-	-		-
Sub-Total	1,877.02	565.05	439.89	-	1,004.93
SJVN					
RAMPUR	327.22	82.31	53.31		135.63
NATHPA JHAKRI	1,144.29	213.49	92.38		305.87
Sub-Total	1,471.50	295.80	145.70	-	441.50
NEEPCO					
Kameng HEP	270.48	-	110.37		110.37
IPP/JV					

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs.Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
HYDRO					
TALA	-	-	-		-
VISHNU PRAYAG	1,724.05	29.67	187.41		217.07
KARCHAM	816.18	186.22	111.36		297.58
TEESTA-III	786.46	227.03	180.05		407.08
SRI NAGAR HEP	1,189.65	424.42	301.25		725.68
Rajghat Hydro	77.84	20.43	20.05		40.48
Hydro (Competitive Bidding)	1,297.05	299.33	425.14		724.47
Thermal					
Meja Thermal Power Plant	7,312.60	1,245.13	1,901.42		3,146.55
LANCO	7,087.69	853.56	1,422.68		2,276.24
BEPL BARKHERA	66.80	144.66	23.44		168.10
BEPL KHAMBHAKHERA	68.94	146.19	24.11		170.30
BEPL KUNDRAKHI	100.22	145.54	32.11		177.65
BEPL MAQSOODAPUR	66.76	145.19	22.54		167.73
BEPL UTRAULA	70.12	149.70	23.86		173.56
KSK MAHANADI	1,583.99	1,047.66	476.69		1,524.35
LALITPUR	4,611.06	4,073.53	1,404.60		5,478.13
M.B.POWER	2,431.10	899.11	484.21		1,383.32
PRAYAGRAJ POWER	5,238.44	1,168.60	1,487.45		2,656.05
R.K.M.POWER	1,588.57	550.01	305.51		855.52
ROSA-1&2	6,235.65	1,658.89	1,595.72		3,254.61
SASAN	3,624.68	72.53	385.81		458.34
TRN ENERGY	2,229.56	521.10	350.07		871.17
NABINAGAR POWER PROJECT	977.87	166.50	208.34		374.84
APCPL					
Ghatampur	-	279.32	-		279.32
Sub-Total	49,185.28	14,454.32	11,373.81		25,828.12
Total	102,568.97	26,581.11	22,321.63	-	48,902.74
Medium term Sources					
Short term Sources	-	-	-		-
Medium term Sources	-	-	-		-
Cogen/ Captive					
Baggasse/Cogen/ CPP 1	6,473.95	-	2,081.92		2,081.92
Baggasse/Cogen/ CPP 2	27.50	-	8.84		8.84
Cogen/ Captive	6,501.45	-	2,090.77	-	2,090.77

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs.Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
Bilateral & Others (Power purchased through Trading)	-	-	-	-	-
Solar (Existing)	3,043.84	-	1,428.86	-	1,428.86
Solar (FY 20)	-	-	-	-	-
Solar (FY 21)	1,747.62	-	524.29	-	524.29
Solar (FY 22)	522.28	-	156.68	-	156.68
Solar (FY 23)	-	-	-	-	-
SOLAR FY (24)					
SOLAR FY 25					
-	5,313.73	-	2,109.83	-	2,109.83
Non-Solar (Renewable)					
WIND	438.00	-	150.26	-	150.26
WIND (FY 20)	963.60	-	330.58	-	330.58
WIND (FY 21)	3,306.90	-	1,134.47	-	1,134.47
WIND (FY 22)	416.10	-	142.75	-	142.75
Biomass Existing	146.73	-	95.45	-	95.45
Biomass FY 20	-	-	-	-	-
MSW FY 21	387.63	-	294.99	-	294.99
Slop based power project					
Sub-Total	5,658.96	-	2,148.49	-	2,148.49
NVVN Thermal					
NVVN Solar					
OTHER SOURCES					
UI Charges					
Reactive Energy Charges					
OA					
Fwd/Rev Banking					
IEX Purchase					
IEX sale					
Sub Total					
PTC Unverified Power Purchase					
REC					
UI Charges					
Open Access Charges					
Banking					
PGCIL Charges		3,311.28	-		3,311.28
WUPPTCL Charges	-	875.68	-		875.68

Generating Stations	Units (MU)	Fixed Charges (Rs. Crore)	Energy/ Variable Charges (Rs.Crore)	Other Cost (Rs. Crore)	Total Cost (Rs. Crore)
SEUPPTCL Charges	-	277.50	-		277.50
Reactive Energy Charges	-	-	-		-
Case-I Transmission Charges	-	2,304.71	-		2,304.71
Any other charges					
STU Charges					
Transmission Charges					
Less					
Late Payment Surcharge					
Grand Total	120,043.11	33,350.28	28,670.72	-	62,020.99

Bulk Supply Tariff (BST)

4.4.7. For the purpose of allocating the power purchase cost to the Discoms for FY 2021-22 as per Differential Bulk Supply Tariff (DBST) approach, the first shall be to determine the Bulk Supply Tariff (BST) based on the consolidated projected power purchase cost for FY 2021-22. Accordingly, the BST for FY 2021-22 on consolidated basis is shown in the table below:

Table 4-8: Bulk Supply Tariff for FY2021-22

Particulars	Projected
Power Purchase cost (Rs Crore)	62,020.99
Power Input (MU)	1,20,043.11
Inter-State Trans Losses (%)(% computed on Total input energy)	1.17%
Inter-State Loss (MU)	1,402.92
Input at Transco End (MU)	118,640.19
Intra-State Trans Losses (%)	3.33%
Input as Discom End (MU)	114,689.47
BST at Discom Periphery (Rs/Kwh)	5.41

Differential Bulk Supply Tariff (DBST)

4.4.8. Based on the Hon'ble Commission's approved methodology, the Differential Bulk Supply Tariff (DBST) for FY 2021-22 has been computed and thereafter, the Petitioner has worked out the power purchase cost for FY 2021-22 on the same.

4.4.9. Computation of DBST as per the Hon'ble Commission approved methodology is shown in the below:

Table 4-9: DBST Computation for FY 2021-22

S. No.	Particulars	Formulae	DVVNL	PVVNL	PuVVNL	MVVNL	KESCO	Total
1	Revenue from Tariff including subsidy (Rs Cr)	A	13,690.39	22,012.52	17,843.39	14,522.57	2,768.98	70,837.86
2	Energy Sales (MU)	B	20,067.07	29,694.93	23,538.56	18,894.43	3,413.34	95,608.34

S. No.	Particulars	Formulae	DVVNL	PVVNL	PuVVNL	MVVNL	KESCO	Total
3	Power Procurement Cost							
A1	Power Procurement Cost – Allocated and Unallocated PPAs (Rs Cr)							55,251.83
A2	Inter State Transmission Charges (Rs Cr)							6769.17
A1+A2	Total Power Procurement Cost excluding intra state Transmission Charges (In Rs Cr)	C						62020.99
4	Power Procurement cost of Allocated PPAs (Rs Cr)	D	1895.70	3481.13	2028.51	2028.51	132.80	9,566.64
5	Total Power Required at Discom Periphery (MU)	E	25,115.24	34,349.26	28,705.56	22,791.83	3,727.58	114,689.47
6	Power at Discom Periphery from allocated PPAs (MU)	F	3770.53	6865.93	4016.29	4016.29	245.75	18,914.78
7	Other Cost (Intra State Transmission, O&M, Interest, Dep etc.) (Rs. Cr.)	G	4,329.75	5,120.71	5,358.47	4,363.41	707.91	19,880.25
8	ABR (Rs/ Unit)	$H=(A/B)*10$	6.82	7.41	7.58	7.69	8.11	7.41
9	Other Cost (Rs/Unit of Sale)	$I=G*10/B$	2.16	1.72	2.28	2.31	2.07	2.08
10	Power Purchase Rate							
A	Allocated PPAs per unit of sale (Rs/unit)	$J=D*10/B$	0.94	1.17	0.86	1.07	0.39	1.00
B	Unallocated PPAs per unit of sale	$K=(C\text{-Total PP at "D"})*10/\text{Total Sale at "B"}$				5.49		
11	Revenue available for unallocated PPAs (Rs./unit of sale)	$L=H-I-J$	3.72	4.52	4.44	4.30	5.65	4.33
12	Power Purchase Allocation (per unit of sale) "K" in the ratio of available Revenue "L"	M	4.71	5.72	5.63	5.45	7.16	5.49
13	Total Power Purchase cost per unit of sale including allocated PPAs	$N=J+M$	5.66	6.90	6.49	6.53	7.55	6.49
14	Total Power Purchase Cost (Rs Crs)	$O=N*B/10$	11,355.94	20,476.36	15,279.81	12,332.41	2,576.48	62,020.99
	DBST (Rs/Unit)							

S. No.	Particulars	Formulae	DVVNL	PVVNL	PuVVNL	MVVNL	KESCO	Total
15	DBST Computation of Allocated PPAs	P	5.03	5.07	5.05	5.05	5.40	5.06
16	DBST Computation of Unallocated PPAs	$Q=M*B/(E-F)$	4.43	6.18	5.37	5.49	7.02	5.48
17	DBST of total PPAs	$R=O*10/E$	4.52	5.96	5.32	5.41	6.91	5.41

4.4.10. The allowable power purchase cost for FY 2021-22 is shown in the table below:

Table 4-10: Power Purchase Cost for FY 2021-22

Particulars	Unit	Projected
Allowable Power Purchase	MU	28,705.56
DBST Rate	Rs/kWh	5.32
Allowable Power Purchase Cost	Rs Crore	15,279.81

4.5. Intra-State Transmission Charges

4.5.1. The proposed intra State transmission charges have been computed at the intra-State transmission rate approved by the Hon'ble Commission in the Tariff Order for FY 2020-21 dated 11 November 2020, which is shown in the Table below:

Table 4-11: Intra-State Transmission Charges for FY 2021-22

Particulars	Unit	Projected
Units Wheeled	MU	28,705.56
Transmission Rate	Rs/kWh	0.238
Transmission Charges	Rs. Crore	683.19

4.6. Operation and Maintenance Expenses

4.6.1. The Operation & Maintenance (O&M) Expenses comprises of Employee Expenses, Repair & Maintenance (R&M) Expenses and Administrative and General (A&G) Expenses. Regulation 45 of UPERC (Multi Year Tariff for Distribution & Transmission) Regulations, 2019, stipulates the detailed methodology for determination of Operation & Maintenance (O&M) Expenses for the Control Period from FY 2020-21 to FY 2024-25. The detailed methodology as stated in Regulation 45 is reproduced as under:

“45 Operation and Maintenance Expenses

a) The Operation and Maintenance expenses for the Distribution Business shall be computed as stipulated in with these Regulations.

b) *The Operation and Maintenance expenses shall be derived on the basis of the average of the Trued-Up values (without efficiency gain / loss) for the last five (5) financial years ending March 31, 2019 subject to prudence check by the Commission. However, if Trued-Up values (without efficiency gain / loss) are not*

available for FY 2018-19, then last five (5) available Trued-Up values (without efficiency gain / loss) will be considered and subsequently when the same are available the base year value (i.e. FY 2019-20) will be recomputed.

c) The average of such operation and maintenance expenses shall be considered as Operation and Maintenance expenses for the middle year and shall be escalated year on year with the escalation factor considering CPI and WPI of respective years in the ratio of 60:40, for subsequent years up to FY 2019-20.

d) The One-time expenses such as expense due to change in accounting policy, arrears paid due to Pay Commissions, etc., and the expenses beyond the control of the Distribution Licensee such as dearness allowance, terminal benefits, etc., in Employee cost, shall be allowed by the Commission over and above normative Operation & Maintenance Expenses after prudence check.

(e) At the time of Truing-up of the O&M expenses, the actual point to point inflation over Wholesale Price Index numbers as per Office of Economic Advisor of Government of India and the actual Consumer Price Index for Industrial Workers (all India) as per Labour Bureau, Government of India, in the concerned year shall be considered.

45.1 Employee Cost

Employee cost shall be computed as per the following formula escalated by consumer price index (CPI), adjusted by provisions for expenses beyond the control of the Licensee and one-time expected expenses, such as recovery / adjustment of terminal benefits, implications of Pay Commission, arrears, Interim Relief, etc.:

$$\mathbf{EMPn = EMPn-1 \times (1 + CPI\ inflation)}$$

Where:

EMPn: Employee expense for the nth year;

EMPn-1: Employee expense for the (n-1)th year;

CPI inflation is the average of Consumer Price Index (CPI) for immediately preceding three Financial Years.

45.2 Repairs and Maintenance Expense

Repairs and Maintenance expense shall be calculated by following formula:

$$\mathbf{R\&Mn = R\&Mn-1 (1 + WPI\ inflation)}$$

Where:

R&Mn: Repairs & Maintenance expense for the nth year;

R&Mn-1: Repairs & Maintenance expense for the (n-1)th year;

WPI inflation is the average of Wholesale Price Index (WPI) for immediately preceding three Financial Years.

45.3 Administrative and General Expense

A&G expense shall be computed as per the following formula escalated by wholesale price index (WPI) and adjusted by provisions for confirmed initiatives (IT etc. initiatives as proposed by the Distribution Licensee and validated by the Commission) or other expected one-time expenses:

$$\mathbf{A\&G_n = A\&G_{n-1} (1 + \mathbf{WPI\ inflation})}$$

Where:

A&G_n: A&G expense for the nth year;

A&G_{n-1}: A&G expense for the (n-1)th year;

WPI inflation is the average of Wholesale Price Index (WPI) for immediately preceding three Financial Years:

Provided that Interest and Finance charges such as Credit Rating charges, collection facilitation charges, financing cost of Delayed Payment Surcharge and other finance charges shall be a part of A&G expenses.

Illustration: For FY 2020-21, (n-1)th year will be FY 2019-20 which is also the base year.”

- 4.6.2. It is submitted that The Hon'ble Commission has disallowed the O&M expenses claimed by Petitioner owing to the following:-
- (a) The Hon'ble Commission has arrived at the mid-year (FY 2016-17) value of each component of O&M expenses based on the average of last 5 trued-up values of FY 2014-15 to FY 2018-19. The mid-year value of each component of O&M expenses has been escalated year on year with the escalation factor considering Consumer Price Index (CPI) and Whole-sale Price Index (WPI) of respective years in the ratio 60:40, for subsequent years upto FY 2019-20.
 - (b) Accordingly, the Hon'ble Commission has computed the O&M expenses of the base year which shall be escalated at Inflation/Escalation rate notified by Labour Bureau, Govt. of India (http://labourbureau.gov.in/LBO_indexes.htm) and Economic Advisor Govt. of India (<https://eaindustry.nic.in/>) respectively for different years. Accordingly, the Hon'ble Commission has computed the average WPI and CPI inflation of the last 3 years (average) at 2.96% and 5.35%, respectively.
 - (c) In terms of this methodology: -
 - (i) Employee Expenses for FY 2020-21 have been computed by escalating the base year (FY 2019-20) employee expenses by average CPI inflation of last 3 years.

- (ii) The A&G Expenses (including Finance Charges) and R&M Expenses for FY 2020-21 have been computed by escalating the base year (FY 2019-20) by average WPI inflation of last 3 years.
- (iii) Employee Expense capitalization has been computed by considering the average of last three years or claimed, whichever is higher.

- 4.6.3. At the outset, it is submitted that O&M expenses comprise of employee related costs, A&G expenses and R&M expenditure. Further, Petitioner/UPPCL intend to recover their legitimate actual O&M Expenses and do not intend to get any additional benefit out of the same. The total O&M expenses allowed by the Hon'ble Commission for ARR and tariff of FY 2020-21 is even lower than the net O&M expenses approved by the Hon'ble Commission while truing-up of tariff for FY 2018-19. Accordingly, it is submitted that the O&M expenses being allowed by the Hon'ble Commission are insufficient to cover the actual cost/impact of O&M expenses likely to be incurred by the Petitioner. As such, the methodology adopted by the Hon'ble Commission will lead considerable loss to the Petitioner whose financial condition is already precarious and stressed.
- 4.6.4. O&M expenses are computed on normative basis in terms of the norms prescribed under the Tariff Regulations. It is submitted that the methodology prescribed by The Hon'ble Commission for computation of normative O&M expenses is significantly different in MYT Regulations, 2019 as compared to the methodology provided under the erstwhile regime i.e., MYT Regulations, 2014.
- 4.6.5. It is submitted that under the MYT Regulations 2014 computation of O&M expenses was based on the trajectory of norms derived on average of past five years audited figures. It is noteworthy that the draft MYT Regulations, 2019 issued by The Hon'ble Commission also had similar provisions for computation of O&M expenses. However, in the final MYT Regulations 2019, the Hon'ble Commission has completely changed the methodology and adopted a completely new methodology for computing the O&M expenses, which is based on escalation factor considering CPI and WPI based on the average of last 5 years trued-up values (that too without consideration of efficiency gain/loss on O&M expenses). Such a change was affected without giving any opportunity to the stakeholders including the Petitioner to submit their suggestions/objections on the same.
- 4.6.6. This new approach adopted by the Hon'ble Commission will result in substantial losses to the Petitioner as it is likely that the Petitioner will not be able to meet its regular expenses including employee costs, R&M and A&G expenses.
- 4.6.7. It is pertinent to highlight that owing to the implementation of the Government's Saubhagya Scheme in the last three financial years (i.e., FY 2017-18 onwards), Petitioner has added a significant consumer base leading to an increase in load, extension of LT Network and

backbone distribution infrastructure. Accordingly, due to the resultant significant increase in the O&M expenses, it is submitted that it was a fit case for the Hon'ble Commission to exercise its powers and consider the average of last three financial years in the computation of O&M expenses as this would represent the right base and trend for applying in the next Control Period instead of considering a five years' average.

- 4.6.8. In view of the above circumstances, it is respectfully submitted that in the present case The Hon'ble Commission under its inherent powers ought to have granted the necessary relief even if the Regulations does not provide for relaxing the norms under the Regulations. It is settled that ERCs have wide regulatory powers conferred on them by the Electricity Act to be suitably exercised depending upon the facts and circumstances of each case and especially when the Regulations and/or guidelines are silent.
- 4.6.9. It is submitted that existence of an enabling provision in the Regulation is not a pre-requisite for the Hon'ble Commission to exercise its powers to grant the relief sought by the Petitioner.
- 4.6.10. As deliberated above, computation of O&M expenses as per the methodology provided under the MYT Regulation 2019 will cause severe financial hardship to the Petitioner.
- 4.6.11. Even otherwise, it is submitted that The Hon'ble Commission is specialised body having specific jurisdiction under Section 86 of the Electricity Act and with ancillary powers to give effect to the legislative intent behind the Electricity Act.
- 4.6.12. In view of the above, it is submitted that the Hon'ble Commission may consider to have granted the relief sought by the Petitioner and allow O&M expenses based on the average trued-up values of the last three financial years failing which it is likely that the Petitioner will not be able to meet its basic expenses for continuing supply of power, employee expenses, R&M and A&G expenses.
- 4.6.13. The Hon'ble Commission has not addressed the Discoms' submissions in its Tariff Order for FY 2020-21 dated 11 November 2020 and completely ignore the pleadings in this regard. The Petitioner once again requests the Hon'ble Commission to exercise its authority under 'powers to remove difficulties' under clause 56 of UPERC (Multi Year Tariff for Distribution and Transmission) Regulations, 2019 to consider the approach suggested by the Petitioner.
- 4.6.14. The Petitioner request the Hon'ble Commission to allow the O&M Expenses by considering the actual audited O&M Expenses for FY 2018-19 (separately for Employee Expenses, R&M Expenses and A&G Expenses) as base and escalating these expenses with applicable CPI escalation factors (Employee Expenses) and WPI escalation factors (R&M Expenses and A&G Expenses) for FY 2019-20, FY 2020-21 and FY 2020-21.
- 4.6.15. It may be noted that in case of R&M Expenses, which is significantly impacted by increase in Gross Fixed Asset base, presently it is proposed based on escalating the audited figures of

FY 2018-19 and thus only takes into consideration the existing fixed asset base. Therefore, at the time of true-up, the increased fixed asset base should also be taken into consideration by the Hon'ble Commission.

- 4.6.16. Accordingly, the computation of O&M expenses based on the proposed methodology is shown in subsequent sections.

WPI and CPI Escalation Rates

- 4.6.17. The Petitioner has considered the inflation index as approved by the Hon'ble Commission in its Tariff Order for FY 2020-21 dated 11 November 2020.
- 4.6.18. Employee Expenses for FY 2020-21 derived in APR chapter escalated by CPI escalation factors to arrive at the projected Employee Expenses for FY 2021-22. Similarly, R&M Expenses and A&G Expenses for FY 2020-21 derived in APR chapter escalated by WPI escalation factors to arrive at the projected R&M Expenses and A&G Expenses for FY 2021-22. Accordingly, the component wise O&M Expenses projected for FY 2021-22 is summarised as under:

Employee Expenses

- 4.6.19. The Petitioner has projected its Employee Expenses as mentioned in the above para. Further, the capitalisation figure has been considered same as booked in provisional accounts for FY 2019-20. Accordingly, Employee Expenses determined for FY 2021-22 is shown in table below:

Table 4-12: Employee Expenses for FY 2021-22 (Rs. Crore)

Sl No.	Particular	Projected
A	Gross Employee Expenses after escalation	729.77
B	Less: Employee Expenses capitalized	460.33
C	Net Employee Expenses	269.44

Repair & Maintenance Expenses (R&M Expenses)

- 4.6.20. The Petitioner has projected its R&M Expenses as mentioned in above Para. Accordingly, R&M Expenses determined for FY 2021-22 is shown in table below:

Table 4-13: R&M Expenses for FY 2021-22 (Rs. Crore)

S. No.	Particulars	Projected
1	Gross R&M Expenses after escalation	1,717.03
2	Less: R&M Expenses capitalized	0.00
3	Net R&M Expenses	1,717.03

Administrative & General Expenses (A&G)

4.6.21. The Petitioner has projected its A&G Expenses as mentioned in above Para. Accordingly, A&G Expenses determined for FY 2021-22 is shown in table below:

Table 4-14: A&G Expenses for FY 2021-22 (Rs. Crore)

Sr. No.	Particulars	Projected
1	Gross A&G Expenses after escalation	348.32
2	Less: A&G expenses capitalized	0.00
3	Net A&G expenses	348.32

Smart Metering OPEX

4.6.22. It is submitted that the Hon'ble Commission has disallowed the OPEX cost incurred by Petitioner on account of implementation of Smart Meter Rollout scheme holding that: -

- (a) Smart Meter Rollout scheme is a self-sustaining model since the billing and collection efficiency of Discoms will increase thereby reducing the commercial losses and overall O&M cost of the Discoms.
- (b) MYT Distribution and Transmission Regulations, 2014 provide for O&M expenses on normative basis, hence the same cannot be allowed as additional O&M expense.

4.6.23. It is submitted that the Petitioners have been mandated to implement the Smart Meter Rollout Scheme pursuant to statutory mandate and directions of the Hon'ble Commission. In this regard the following is noteworthy: -

- (a) In terms of Clause 8.4(3) of Tariff Policy 2016, Smart Meters had to be provided to consumers with monthly consumption of 500 units and more by 31.12.2017 and consumers with monthly consumption above 200 units by 31.12.2019: -

"8.4 Definition of tariff components and their applicability

....

3. The Appropriate Commission may provide incentives to encourage metering and billing based on metered tariffs, particularly for consumer categories that are presently unmetered to a large extent. The metered tariffs and the incentives should be given wide publicity. Smart meters have the advantages of remote metering and billing, implementation of peak and off-peak tariff and demand side management through demand response. These would become essential in future for load generation balancing due to increasing penetration of intermittent type of generation like wind and solar power.

Appropriate Commission shall, therefore, mandate smart meters for:

- (a) Consumers with monthly consumption of 500 units and more at the earliest but not later than 31.12.2017;***
- (b) Consumers with monthly consumption above 200 units by 31.12.2019.***

Further, two way smart meters shall be provided to all prosumers, who also sell back electricity to the grid as and when they require.”

- (b) On 08.09.2016 Ministry of Power referring to clause 8.4(3) of the Tariff Policy 2016 wrote to Forum of Regulators (FOR) qua the strategy for roll out of advance metering infrastructure in the States.
- (c) Pursuant to the above, Central Electricity Authority (CEA) intimated the Power Secretaries of all the States including State of Uttar Pradesh about technical specification of smart meters. CEA also asked the States to prepare a detailed plan for installation of smart meters and submit the same to respective State Regulatory Commissions for approval.
- (d) On 16.05.2018, the Hon’ble Commission directed UPPCL to submit the detailed roll out plan of installation of smart meters by Petitioner for approval.
- (e) On 06.08.2018, UPPCL submitted to The Hon’ble Commission the smart meter roll out plan under OPEX Model. In terms of the rollout plan Efficiency Services Limited (EESL) will make the upfront capital investment during the built-up phase and will recover its investment out of gains of the project on OPEX basis. Accordingly, Petitioner are required to pay monthly fee on OPEX basis as O&M expenditure to EESL on per meter per month basis. The per meter per month cost is calculated as total project cost spread over the actual recovery period, post integration of meters on per meter basis.
- (f) On 15.11.2018, the Hon’ble Commission by its Order approved the Smart Meter rollout plan for State Discoms of Uttar Pradesh: -

“DISCOM will pay EESL on OPEX basis as O&M expenditure. The assets will be in the books of EESL till the transfer of assets at the end of project at zero value.

[..]

Since installation of Smart Meters is a national programme and has produced very encouraging financial returns in private Discoms, the Commission approves the proposed roll out plan of UPPCL and Discoms submitted before the Commission.....”

- 4.6.24. It is submitted that the amount claimed by Petitioner as ‘Additional A&G Expenses’ for smart metering is payable to EESL as O&M expenses to cover the cost towards smart meter and box installation, AMI software cost, consumer indexing, training, integration and commissioning of AMI solution. This cost was proposed to be recovered under Opex model based on per meter per month basis. Further, there will be no additional burden of depreciation, interest and return on equity on the end-consumer.
- 4.6.25. Further, the Hon’ble Commission in Order dated 15.11.2018, has directed the Petitioner to implement the Smart Meter rollout plan. As a result, thereof UP Discoms have incurred and

will continue to incur substantial additional expenditure.

- 4.6.26. It is further submitted that the Opex incurred by the Discoms for implementation of Smart Meter rollout plan is not part of the normative O&M expenses provided to the Discoms under the Multi-Year Tariff Order dated 22.01.2019 and Tariff Regulations 2019 since: -
- (a) The same was not envisaged during projection of MYT O&M norms for FY 2017-18 to FY 2019-20 and for the control period 2019-24.
 - (b) The normative O&M norms approved by The Hon'ble Commission are based on previous five-year Audited Accounts, which does not include any O&M expenses towards smart metering.
- 4.6.27. The Opex cost being incurred by the Petitioner on account of implementation of Smart Meter Rollout Plan pursuant to the mandate of Tariff Policy 2016 qualifies as an uncontrollable expense.
- 4.6.28. In view of the above it is submitted that the Opex cost towards Smart Meter Rollout Plan was not envisaged by the Petitioner and the Hon'ble Commission while fixing the normative O&M cost allowed for the MYT period 2020-25. Hence, the same being uncontrollable in nature ought to be allowed on actuals, over and above the normative O&M.
- 4.6.29. In view of the above it is submitted that the Hon'ble Commission completely being aware of the cost implication qua implementation of Smart Metering Rollout Plan has approved/allowed the same by its Order dated 15.11.2018.
- 4.6.30. The Hon'ble Commission's observation that the smart meter roll out project is a self-sustaining model since the Opex cost to be paid by the licensees will be compensated by overall reduction in O&M cost due to improved billing and collection efficiency on account of installation of smart meters is not correct since: -
- (a) It is an attempt to compensate the present additional O&M expenses on account of smart meters Opex with future probable reduction in O&M cost, which may or may not happen. The Hon'ble Commission in its Order dated 15.11.2018 has itself noted that the Petitioner would incur substantial Opex cost (to be paid to EESL) towards implementation of Smart Metering Rollout Plans. Hence, there is no reason to now disallow the said cost.
 - (b) The approach of compensating the Opex cost with likely savings in billing and collection efficiency is conceptually erroneous. Presently, the tariff is already being determined based on 100% collection efficiency, despite the actual percentage being substantially lower. Therefore, even if billing and collection efficiency increases by installation of smart meters, the same will not have any impact on the tariff of the Petitioner.

- 4.6.31. It is submitted that based on the cost-benefit analysis of smart meter roll-out plan under Opex model vis-à-vis the Capex model, the Opex model is beneficial for the consumers since it would not entail the additional burden of depreciation, interest and return on equity, as compared to the Capex model.
- 4.6.32. The smart meter roll out plan on Opex model was submitted to the Hon'ble Commission well before its implementation. The Hon'ble Commission while approving the roll-out plan never stated that the cost envisaged under the Opex model would not be allowed to be passed on in the ARR. Moreover, the Hon'ble Commission in its Tariff Order dated 03.09.2019 stated that it will carry out detailed analysis of the additional O&M expenses (on account of implementation of smart meter roll out plan) for FY 2018-19 at the time of truing-up.
- 4.6.33. Therefore, the Hon'ble Commission is requested to allow the smart meter Opex estimated by the Petitioner for FY 2021-22:

Table 4-15: Smart metering OPEX Projection for FY 2021-22

Particulars	Smart Meters installed till March 2021	Smart Meters to be installed till March 2022	Rate (Rs. /meter/month including GST @18%)	OPEX (Rs. Crow)
FY 2021-22	6,85,000	11,47,000	101.421	111.48

- 4.6.34. The Hon'ble Commission is requested to approve the same.

O&M cost of UPPCL

- 4.6.35. It is submitted that the Hon'ble Commission in the True-up Order for FY 2018-19 has disallowed O&M expenses to UPPCL. While disallowing the same, the Hon'ble Commission has held that the procurement of power is the responsibility of Petitioner for which the Hon'ble Commission allows considerable amount of O&M expenses and interest on working capital. Since the expenses incurred by UPPCL are on account of procuring power for the Petitioner, Petitioner shall take care of such expenses incurred by UPPCL from the O&M expenses allowed to it.
- 4.6.36. At this juncture, it is pertinent to note that:-
- The Hon'ble Commission has never considered UPPCL's O&M expenses while approving the power purchase costs for the Discoms.
 - While determining the O&M expenses applicable to the Discoms, the Hon'ble Commission did not consider UPPCL's O&M expenses.
- 4.6.37. It is submitted that having adopted such an approach in the past, the Hon'ble Commission ought not to have disallowed the expenses incurred by UPPCL for procuring power for the Discoms which is a part of O&M expenses for UPPCL.

4.6.38. It is submitted that the MYT Regulations, 2014 provide for the methodology for consideration of O&M expenses. Regulation 25 of the MYT Regulations, 2014, *inter-alia*, provides that the Hon'ble Commission shall stipulate a trajectory for each of the components of the O&M expenses *viz.* Employee Cost, Repairs and Maintenance (R&M) expense and Administrative and General Expense (A&G) expense. Further, the Hon'ble Commission shall take into account any escalation on account of inflation etc. The relevant extract is reproduced below:-

“25. Operation & Maintenance Expenses

(a) The Commission shall stipulate a separate trajectory of norms for each of the components of O&M expenses viz., Employee cost, Repairs and maintenance (R&M) expense and Administrative and General Expense (A&G) expense. Provided that such norms may be specified for a specific Distribution Licensee or a class of Distribution Licensees.

(b) Norms shall be defined in terms of combination of number of personnel per 1000 consumers and number of personnel per substation along with annual expenses per personnel for Employee cost; combination of A&G expense per personnel and A&G expense per 1000 consumers for A&G expenses and R&M expense as percentage of gross fixed assets for estimation of R&M expenses:

(c) One-time expenses such as expense due to change in accounting policy, arrears paid due to pay commissions etc., shall be excluded from the norms in the trajectory.

(d) The expenses beyond the control of the Distribution Licensee such as dearness allowance, terminal benefits etc. in Employee cost etc., shall be excluded from the norms in the trajectory.

(e) The One-time expenses and the expenses beyond the control of the Distribution Licensee shall be allowed by the Commission over and above normative Operation & Maintenance Expenses after prudence check.

(f) The norms in the trajectory shall be specified over the control period with due consideration to productivity improvements.

(g) The norms shall be determined at constant prices of base year and escalation on account of inflation shall be over and above the baseline.

(h) The Distribution Licensee specific trajectory of norms shall be identified by the Commission on the basis of simple average of previous five years audited figures, duly normalized for any abnormal variation.

(i) For new Distribution Licensee whose date of commercial operation is within the tariff period (i.e. April 1, 2015 to March 31, 2020), detailed project report shall be used by the Commission to estimate values of norms.”

4.6.39. From the above, it is evident that the extant Regulations provide for detailed norms for consideration/utilization of the O&M expenses that are allowed by the Hon'ble Commission. It is submitted that the O&M expenses allowed to the Discoms are to be mandatorily utilized in terms of the prevailing norms and take into account various factors. Therefore, the observation of the Hon'ble Commission that the Discoms are allowed adequate O&M expenses which should be further utilized to meet the expenses incurred by UPPCL in

procuring power for the Discoms is not correct.

- 4.6.40. Further, it is submitted that UPPCL itself has to take into account various factors while utilizing the O&M expenses allowed to it. The same has to be utilized in terms of the norms laid down in the Regulations framed by the Hon'ble Commission. Disallowance of the same by the Hon'ble Commission would have an adverse impact on the financial health of UPPCL as well as UP Discoms, including the Petitioner.
- 4.6.41. It is further submitted that various other Electricity Regulatory Commissions allow O&M expenses pertaining to procurement of power incurred by the holding Distribution Company of the State Discoms. The details of the same are provided below:-

Sr. No.	State	Holding Company	Allocation methodology as approved by the Commission	Order Considered	Ref Page No.
1	Madhya Pradesh	MPPMCL	Allocated the MPPMCL O&M expenses to three Discoms based on total energy	Tariff Order for FY 2018-19 dated	Para 3.76 and Page 77
2	Gujarat	GUVNL	GUVNL is charging Rs.0.04 for every transaction of the unit. The total cost has been arrived at after considering the total dispatchable units required to be served to all the four DISCOMs. Further this total GUVNL cost is added to total Variable cost of Power Purchase and allocated with Power Purchase cost among all the Discoms	Tariff Order for FY 2019-20 dated 24.4.2019	Para 5.8.3.2 Page 112

Sr. No.	State	Holding Company	Allocation methodology as approved by the Commission	Order Considered	Ref Page No.
3	Bihar	BSP(H)CL	<p>Allocation basis not there in Tariff Order. But the Commission allowed the expenses as booked in the Accounts of Discoms, Transco and Genco.</p> <p>Further, In Tariff Order for FY 2016-17 SBPDCL has submitted that BSPHCL provides common services to all segregated entities and as per the Transfer Scheme “operating expenses incurred by the Holding Company like administration and general expenses, legal and consulting fees, etc. would be shared by the BSPGCL, BSPTCL, SBPDCL and NBPDCCL in the ratio of their respective</p>	<p>Tariff Order for FY 2019-20 dated 25.2.2019</p> <p>and Tariff Order for FY 2016-17 dated 21.3.2016</p>	<p>For T.O for FY 2019-20, Para 7.26 Page 364</p>

- 4.6.42. UPPCL has started to allocate its O&M expenses to all of its subsidiary State Government Distribution Licensees, in a rational and transparent manner in the books of accounts wef FY 2019-20. As the UPPCL O&M expenses are not forming part of claimed normative O&M expenses, therefore the Petitioner has considered a nominal 5% escalation every year in the FY 2018-19 figures of UPPCL O&M expenses till FY 2021-22 and allocated the same in proportion to the energy drawl by respective Discoms. The Petitioner’s share as per this approach works out to Rs. 82.76 Crore, which has been made claimed under the A&G Expenses head. Further, at the time of truing-up of FY 2021-22, the UPPCL O&M Expenses shall form part of the Petitioner’s O&M Expenses, in line with the UPPCL OM issued, therefore, it shall not be claimed separately in true-up.
- 4.6.43. Further, it is also important to mention here that, both expenses i.e. Smart metering OPEX and UPPCL O&M Expenses, were not covered under the A&G Expense head in the past periods and therefore, do not form part of the base year’s O&M Expenses also. Therefore, these expenses shall be allowed in full, over and above the usual A&G Expenses proposed by the Petitioner.
- 4.6.44. Based on the above submission, the summary of the Operation & Maintenance expenses (O&M) projected for FY 2021-22 are shown in the table below:

Table 4-16: Operation & Maintenance Expenses for FY 2021-22 (Rs. Crore)

Particulars	Projected
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Particulars	Projected
Employee Expenses	729.77
Administrative and General Expenses	348.32
Repair & Maintenance Expenses	1,717.03
Gross O&M Expenses	2,795.12
Less:	
Employee Expenses capitalized	460.33
Administrative and General Expenses capitalized	0
Expenses Capitalized	460.3322
Net O&M Expenses	2,334.78
Add: Additional Expenses under the head A&G Expenses	
Smart Meter OPEX	111.48
UPPCL O&M Expenses	82.76
Total O&M Expenses	2,529.03

4.6.45. The Petitioner requests the Hon'ble Commission to allow O&M expenses as shown in the above Table.

4.7. Capital Investment, Capitalisation and Financing

4.7.1. Details of the scheme-wise Capex and capitalisation based on business Plan Petition filed for the 2nd Control Period from FY 2020-21 to FY 2024-25 dated 27 October 2020 and Regulation 44 of UPERC (Multi Year Tariff for Distribution & Transmission) Regulations, 2019 provides for consideration of capital expenditure for the purpose of determination of ARR for FY 2021-22. Accordingly, the details of proposed Capital Expenditure for FY 2020-21 is depicted in the table below:

Table 4-17: Proposed Capital Expenditure details for FY 2021-22 (Rs Crore)

Sr. No.	Project Title (M)	FY 2021-22					
		Consolidated					
		Financing Plan					
		Physical	Finance	Grant	Consumer Contribution	Debt	Equity/Internal Accrual
1	Replacement of bare conductors with LT AB cable in rural habitations having more than 1000 population		256.94			179.86	77.08
	Target Kms	7,667					
2	Installation of LT AB cable in urban areas	150	25.00	20.71		3.00	1.29
3	Extended program for feeder separation for balance agricultural feeders	453	917.00	917.00			
4	Replacement of bare conductors		328.00	328.00			

Sr. No.	Project Title (M)	FY 2021-22					
		Consolidated					
		Financing Plan					
		Physical	Finance	Grant	Consumer Contribution	Debt	Equity/Internal Accrual
	with LT AB cable in remaining rural habitations						
	Target Kms	7,097					
5	Installation of new Capacitor banks						
	1.98 MVAR						
	3.96 MVAR						
6	New 33/11 KV Substation and capacity augmentation						
	Rural-33/11 KV Sub-station (1x5 MVA-Nos.)	34	52.36			36.65	15.71
	Urban-33/11 KV Sub-station (1x5 MVA-Nos.)	9	13.86			9.70	4.16
7	Construction of New 33KV lines to utilize bays for new transmission Sub-stations						
	Rural-33 KV Line (9 metre PCC Pole)-CKM	643	46.30			32.41	13.89
	Urban-33 KV Line (11 metre ST Pole)-CKM	111	7.99			5.59	2.40
8	Replacement of HT LT line by Underground cable in additional 15 districts		1,277.00	1,277.00			
9	Strengthening of 11 kV & LT Line and Replacement of damaged pole, providing additional pole in long span -CKM		22.00				22.00
10	Saubhagya Phase-3						
	Service Connection (Nos)						
11	IT INFRASTRUCTURE		93.99			65.79	28.20
Total			3,040.44	2,542.71		-	333.01

4.7.2. The Hon'ble Commission has directed the Petitioner to segregate the identified Project (scheme) wise capex plan along with tentative cost under the following categories:

- to meet the requirement of load growth (new / augmentation)
- refurbishment and replacement of equipment
- reduction in distribution losses
- improvement of voltage profile
- improvement in quality of supply
- system reliability
- metering
- communication and computerization
- any other category (please specify)

4.7.3. Accordingly, the Petitioner has identified each of the scheme/project under one or more of the above mentioned heads, which has been submitted as part of the MYT Formats.

4.7.4. Out of the total capital expenditure mentioned above and the opening balance of Capital Work in Progress (CWIP), the capitalization during the financial year is projected as per following assumptions:

- 40% of the opening CWIP and the investment made during the financial year has been assumed to get capitalized during the year.
- Investment through “deposit work” has been taken as per Audited Accounts for FY 2018-19. However, depreciation thereon has not been charged to the ARR in line with the policy adopted by Hon’ble Commission in its previous Tariff Orders.
- Employee and Interest capitalization has been considered as approved by the Hon’ble Commission for FY 2020-21 in Tariff Order for FY 2020-21 dated 11 November 2020.
- The capital investment plan (net of deposit works and Grants) has been projected to be funded in the ratio of 70:30 (debt to equity).

4.7.5. Considering the aforementioned submissions, the capitalisation and capital work in progress for FY 2021-22 are shown in the Table below:

Table 4-18: Capitalization and WIP of Investment for FY 2021-22 (Rs Crore)

Particulars	Derivation	Projected
Opening WIP as on 1st April 2020	A	3,320.89
Investments	B	3,040.44
Employee Expenses capitalization	C	460.33
A&G Expenses Capitalisation	D	0.00
Interest Capitalisation on Interest on long term loans	E	225.36
Total Investments	F= A+B+C+D+E	7,047.02
Transferred to GFA (Total Capitalisation)	G	3,230.23
Closing WIP	H=F-G	3,816.80

Notes: (1) Opening Balances for FY 2020-21 are as per provisional figures of FY 2020-21 closing

(2) Capitalized expenses are from Emp. cost & A&G cost Tables

(3) Transfer from WIP to GFA=40% of beginning WIP + 40% of investment during the Year.

4.7.6. The Petitioner has considered a normative debt : equity ratio of 70:30. Considering this approach, 70% of the capital expenditure (excluding consumer contribution and grants) undertaken in FY 2021-22 has been considered to be financed through loan and balance 30% has been considered to be financed through equity contributions. The part of capital expenditure financed through consumer contribution, capital subsidies and grants has been separated as the depreciation and interest thereon would not be charged to the beneficiaries.

4.7.7. The table below summarizes the amounts considered towards consumer contributions, capital grants and subsidies for FY 2021-22:

Table 4-19: Consumer Contribution, Capital Grants & Subsidies (Rs. Crore)

Particulars	Projected
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Particulars	Projected
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	7,070.45
Additions during the year	2,542.71
Less: Amortization	112.27
Closing Balance	9,500.89

Note: Petitioner is not claiming any addition in Consumer Contribution Towards Cost of Capital Assets as per projected Capital Investment Plan.

4.7.8. Thus, the Petitioner submits that the capital investments proposed during FY 2021-22 after netting off the capital investment through deposit works, has been considered to be funded through debt and equity of 70:30, as depicted in the table below:

Table 4-20: Financing of the Capital Investment (Rs. Crore)

Particulars	Derivation	Projected
Investment	A	3,040.44
Less:		
Consumer Contribution and grants	B	2,542.71
Investment funded by debt and equity	C=A-B	497.73
Debt Funded	70%	348.41
Equity Funded	30%	149.32

4.8. Interest & Finance Charges

Interest on Long Term Loan

- 4.8.1. The Hon'ble Commission in its previous Tariff and True-Up orders had considered a normative tariff approach with a debt equity ratio of 70:30. Considering this approach, 70% of the capital expenditure undertaken in any year was financed through loan and balance 30% has been financed through equity contributions. The part of capital expenditure financed through consumer contributions, capital subsidies and grants are separated and the depreciation, interest and return on equity thereon was not charged to the consumers. The amounts received as consumer contributions, capital subsidies and grants were traced from the audited accounts. Subsequently, the financing of the capital investment was worked out based on the debt equity ratio of 70:30 and allowable depreciation was considered as normative loan repayment.
- 4.8.2. The Petitioner has worked-out the interest on long term loan based on the same philosophy as followed in Interest on Long term loans section of APR Chapter.
- 4.8.3. The opening balance of long term loan has been considered equivalent to the closing loan balance for FY 2020-21 as per the present Petition.
- 4.8.4. Allowable depreciation for the year has been considered as normative loan repayment. The weighted average interest rate approved by the Hon'ble Commission in Tariff Order for FY 2020-21 has been considered for computing the eligible interest expenses.

4.8.5. Considering the above, the gross interest on long term loan has been computed below. The computations for interest on long term loan are shown in table below:

Table 4-21: Interest on Long Term Loan for FY 2021-22 (Rs Crore)

Particulars	Projected
Opening Loan	6,642.37
Loan Additions (70% of Investments)	348.41
Less: Repayments (Depreciation allowable for the year)	460.63
Closing Loan Balance	6,530.15
Weighted Average Rate of Interest	10.24%
Gross Interest on long term loan	674.31
Interest Capitalisation Rate	33%
Less: Interest Capitalized	225.36
Net Interest on long term loans	448.95

Interest on Consumer Security Deposits

4.8.6. As per Regulation 25.2 (c) of UPERC (Multi Year Tariff for Distribution & Transmission) Regulations, 2019, Interest shall be allowed on consumer security deposits as per the provisions of the Electricity Supply Code, 2005 and its subsequent amendments/ addendums and the new Regulations made after repeal of the same.

4.8.7. The opening balances of security deposits have been considered as per closing figures of FY 2020-21 and no additions during the year FY 2021-22 is considered. Accordingly, Petitioner has computed the interest on security deposit for FY 2021-22, which is shown in the Table below:

Table 4-22: Interest on Security deposit for FY 2021-22 (Rs. Crore)

Particulars	Projection
Opening Balance for Security Deposit	487.72
Additions during the year	-
Closing Balance for Security Deposit	487.72
Rate of Interest (RBI bank Rate as on 01.04.2020)	4.65%
Interest on Security Deposits	22.68

4.9. Interest on Working Capital

4.9.1. The Petitioner has determined Interest on Working Capital for FY 2021-22 as per Regulation 25.2 (a) & 25.2 (b) of UPERC (Multi Year Tariff for Distribution & Transmission) Regulations, 2019. The Regulation 25.2 (a) & 25.2 (b) is quoted below:

“(a)The working capital requirement of the Distribution Business shall cover:

- (v) Operation and maintenance expenses for one month;*
- (vi) Maintenance spares at 40% of the R&M expenses for two months ; and*

(vii) *One and half month equivalent of the expected revenue from charges for use of Distribution system at the prevailing Tariff (excluding Electricity Duty);*

minus

(viii) *Amount held as security deposits from Distribution System Users:*

Provided that for the purpose of Truing-Up for any year, the working capital requirement shall be re-computed on the basis of the values of components of working capital approved by the Commission in the Truing- Up;

(b) Rate of interest on working capital shall be simple interest and shall be equal to the SBI MCLR (1 Year) on October 01, 2019 plus 250 basis points:

Provided that for the purpose of Truing-Up for any year, simple interest on working capital shall be allowed at a rate equal to the weighted average SBI MCLR (1 Year) prevailing during the concerned Year plus 250 basis points.”

- 4.9.2. While determining Interest on Working Capital (IoWC) for true up of FY 2018-19 and ARR for FY 2020-21 in its Tariff Order dated 11 November 2020, UPERC has deducted the subsidy amount from the expected Revenue (Revenue from Tariff +Subsidy) while considering two/one and half month equivalent of revenue. As per Clause 54 of UPERC (MYT Distribution and Transmission) Regulations, 2019, *“If the State Government requires to grant subsidy to any consumer or class of consumers in the Tariff determined by the Commission, the same shall be provided as per Section 65 of the ACT”*.
- 4.9.3. Further, extract of Section 65 of EA 2003 is shown below:
“Section 65. (Provision of subsidy by State Government):
If the State Government requires the grant of any subsidy to any consumer or class of consumers in the tariff determined by the State Commission under section 62, the State Government shall, notwithstanding any direction which may be given under section 108, pay, in advance and in such manner as may be specified, the amount to compensate the person affected by the grant of subsidy in the manner the State Commission may direct, as a condition for the licence or any other person concerned to implement the subsidy provided for by the State Government:
Provided that no such direction of the State Government shall be operative if the payment is not made in accordance with the provisions contained in this section and the tariff fixed by State Commission shall applicable from the date of issue of orders by the Commission in this regard.”
- 4.9.4. Section 65 itself clarifies that subsidy is the part of Tariff which State Governments provides on behalf of poor consumers who can't pay their bills. Thus, approach of UPERC not considering subsidy as part of expected revenue is incorrect. Other States also following the same approach and considers subsidy as a part of revenue for determining IoWC such as Madhya Pradesh, Maharashtra etc.
- 4.9.5. Accordingly, the Petitioner has computed the normative working capital requirement considering subsidy as a part of expected revenue and has projected Interest on Working Capital as shown in the table below:

Table 4-23: Interest on Working Capital for FY 2021-22 (Rs. Crore)

Particulars	Derivation	Projected
Total O&M Expenses	A	2,529.03
One Month's O&M Expenses	B = 1/12 of A	210.75
One and half month's equivalent of expected revenue	C	2,230.42
Maintenance spares @ 40% of R&M expenses for two months	D	114.47
Less: Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	E	487.72
Total Working Capital Requirement	G = B + C+D-E	2,067.92
Interest rate (<i>the weighted average SBI MCLR (1 Year) prevailing during the concerned Year plus 250 basis points</i>)	H	9.50%
Interest on working capital	I = G x H	196.45

4.9.6. The following table summarises the Interest and Finance charges projected by the Petitioner for FY 2021-22.

Table 4-24: Interest and Finance Charges for FY 2021-22 (Rs. Crore)

Particulars	Projected
A: Interest on Long Term Loans	
Gross Interest on Long Term Loan	674.31
Interest on Bonds	0.00
Less: Interest Capitalisation	225.36
Net Interest on Long Term Loans	448.95
B: Interest on Security deposit	
Interest on Consumer Security Deposits	22.68
Total Interest on Security deposit	22.68
C: Interest on Working Capital	196.45
Total (A+B+C)	668.08

4.10. Depreciation

4.10.1. The Hon'ble Commission has considered the written down depreciation method for the assets capitalized before 1.4.2020 and straight line depreciation method for assets capitalized after 1.4.2020. The Petitioner has computed the allowable depreciation expense on the GFA base based on the Hon'ble Commission approach approved in Tariff Order for FY 2020-21 and at the rates approved by the Hon'ble Commission in MYT (Distribution and Transmission) Regulations, 2019. The Petitioner has computed the depreciation only on the depreciable asset base and has excluded the non-depreciable assets such as land, land rights, etc. Further,

the Petitioner has reduced the depreciation/amortization on assets created out of consumer contributions, capital grants and subsidies from allowable depreciation for FY 2021-22. The Petitioner has considered the amortisation of Consumer contribution as considered in APR for FY 2020-21.

4.10.2. Considering this philosophy, the gross entitlement towards depreciation has been computed for FY 2021-22 as shown in the Table below:

Table 4-25: GROSS ALLOWABLE DEPRECIATION FOR ASSETS UPTO 31.03.2020 FOR FY 2021-22 (RS. CRORE)

Sr. No	Particulars	Closing Written down GFA (as on 31.3.2021)	Gross Depreciation during 2020-21	Balance Depreciable Value as on 1.4.2021 (Opening GFA)	Addition to GFA	Average % of Deductions of Last 3 true-Ups	Deduction to GFA	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
1	Land & Land Rights	0.72	0.00	0.72				0.72	0.72	0.00%	0.00
2	Buildings	96.27	3.22	93.05				93.05	93.05	3.34%	3.11
3	Plant & Machinery	3573.94	188.70	3,385.24				3,385.24	3,385.24	5.28%	178.74
4	Lines, Cables, Network etc.	4323.48	228.28	4,095.20				4,095.20	4,095.20	5.28%	216.23
5	Vehicles	55.32	3.50	51.82				51.82	51.82	6.33%	3.28
6	Furniture & Fixtures	1.22	0.08	1.15				1.15	1.15	6.33%	0.07
7	Office Equipments	0.64	0.04	0.60				0.60	0.60	6.33%	0.04
8	Total Fixed Assets	8051.59	423.82	7,627.77				7,627.77	7,839.68		401.47
9	Non depreciable assets (Land & Land Rights)	0.72	0	0.72				0.72	0.72	0	
10	Depreciable assets	8050.88	423.82	7,627.06				7,627.06	7,838.97	5.12%	401.47

Table 4-26: GROSS ALLOWABLE DEPRECIATION FOR ASSETS AFTER 1.04.2020 FOR FY 2021-22 (RS. CRORE)

S. No.	Particulars	Opening GFA net of Grant as on 1.4.2021	Addition to GFA	Deduction to GFA	Deduction of Grants	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
1	Land & Land Rights	0		0	-	-	0	0.00%	0
2	Buildings	32.62	39.41	0	26.51	45.52	39.07	3.34%	1.30
3	Plant & Machinery	1,210.92	1,433.72	0	964.27	1,680.37	1,445.65	5.28%	76.33
4	Lines, Cables, Network etc.	1,464.88	1,734.41	0	1,166.50	2,032.78	1,748.83	5.28%	92.34

S. No.	Particulars	Opening GFA net of Grant as on 1.4.2021	Addition to GFA	Deduction to GFA	Deduction of Grants	Closing GFA	Average GFA	Depreciation Rate	Allowable Gross Depreciation
5	Vehicles	18.74	21.95	0	14.76	25.93	22.34	6.33%	1.41
6	Furniture & Fixtures	0.41	0.49	0	0.33	0.57	0.49	6.33%	0.03
7	Office Equipment's	0.22	0.25	0	0.17	0.30	0.26	6.33%	0.02
8	Total Fixed Assets	2,727.79	3,230.23	0	2,172.54	3,785.48	3,256.64		171.43
9	Non depreciable assets (Land & Land Rights)	0	0	0	0	0	0	0	0
10	Depreciable assets	2,727.79	3,230.23	0.00	2,172.54	3,785.48	3,256.64	5.26%	171.43

4.10.3. Accordingly, the depreciation projected for FY 2021-22 is shown as under:

Table 4-27: NET APPROVED DEPRECIATION FOR ASSETS FOR FY 2021-22 (RS. CRORE)

Particulars	Projected
Gross Depreciation on Assets up to 31.3.2020	401.47
Gross Depreciation on Assets after 1.4.2020	171.43
Gross Allowable Depreciation	572.90
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	112.27
Net Allowable Depreciation	460.63

4.11. Provision for Bad and Doubtful Debts

4.11.1. The Petitioner has determined bad & doubtful debt as per Regulation 46 of UPERC (Multi Year Tariff for Distribution & Transmission) Regulations, 2019. The Regulation 46 is quoted below:

“For any Year, the Commission may allow a provision for write off of bad and doubtful debts up to 2% of the amount shown as Revenue Receivables from sale of electricity in the audited accounts of the Distribution Licensee for that Year or the actual write off of bad debts, whichever is less....”

4.11.2. Accordingly, Petitioner has computed provision for bad and doubtful debts at 2% of the revenue receivables.

Table 4-28: Allowable Provision for Bad and Doubtful Debts for FY 2021-22 (Rs. Crore)

Particulars	Projected
Total Revenue Receivables from Retail Sales	17,843.39

Particulars	Projected
% of Provision for Bad and Doubtful Debts	2.00%
Bad and Doubtful Debts as per Regulation	356.87
Bad Debt Projected	356.87

4.12. Return on Equity

4.12.1. The Regulation 22 of the MYT (Distribution and Transmission) Regulations, 2019 provides for return on equity @15% post-tax per annum for Distribution Licensee as specified below:

“22 Return on equity

22.1 Return on equity shall be computed in Rs. terms on equity base at the rate of 14.5% post-tax per annum for the Transmission Licensee and at the rate of 15% post-tax per annum for Distribution Licensee respectively as determined in accordance with Regulation 20:

Provided that assets funded by Consumer Contribution / Deposit works, Capital Subsidies / Grants and corresponding Depreciation shall not form part of the Capital Cost. Actual Equity infused by the Licensee as per book value shall be considered and shall be used for computation in these Regulations.”

4.12.2. The Petitioner has considered closing equity in true up FY 2020-21 as opening for FY 2021-22. Equity addition during the year has been considered 30% of GFA addition during the year net of consumer contribution, capital subsidies/ grants.

4.12.3. The Return on Equity (RoE) for FY 2021-22 is shown below:

Table 4-29: Return on Equity (RoE) for FY 2021-22 (Rs. Crore)

Particulars	Revised Estimate
Opening Equity	4,333.47
Additions (30% of Capitalization net of Consumer Contribution and Grants)	317.31
Closing Equity	4,650.78
Rate of Return on Equity (%)	15.00%
Allowable Return on Equity	673.82

4.13. Revenue from Sale of Power

4.13.1. For projecting the Fixed Charges for FY 2021-22, the average load of March 2021 and March 2022 has been considered as the consumer and the corresponding load has been added during the FY 2021-22.

4.13.2. It is submitted that for HV category consumers, the Petitioner has considered the billable load/Demand at 75% of the contracted load/demand considering it to be as maximum load/demand.

4.13.3. Category-wise revenue worked-out based on above assumptions and projected billing determinants are shown in the Table below:

Table 4-30: Category-wise revenue for FY 2021-22 (Rs Crore)

Category	Fixed Charges	Energy Charges	Total Revenue
LMV-1 Domestic light fan & power	1,265.26	6,497.97	7,763.23
LMV-2-Non domestic light fan & power	544.92	1,592.77	2,137.70
LMV-3 Public lamps	13.14	96.66	109.80
LMV-4 Light, fan & power for public/private institution	50.52	168.08	218.60
LMV-5 Private tube well/pumping sets	363.55	53.60	417.15
LMV-6 Small & medium power upto 100 hp/75kw	87.75	427.52	515.27
LMV-7 Public water works	50.36	286.77	337.13
LMV-8 State tube wells & pumps canal upto 100 hp (lmv-8)	114.87	932.93	1,047.80
Lmv-9 Temporary supply	1.30	1.18	2.48
LMV- 10 Departmental employees	61.32	-	61.32
LMV-11 Electric Vehicle	-	-	-
HV-1 Non industrial bulk load	94.28	436.72	530.99
HV-2 Large & heavy power above 100 bhp (75 kw)	69.33	832.97	902.30
HV-3 Railway traction	3.89	14.32	18.21
HV-4 Lift irrigation & p. canal above 100 bhp (75kw)	43.47	410.79	454.26
Bulk supply	-	-	-
Extra State Consumer	-	2.36	2.36
Total	2,763.95	11,754.64	14,518.59

4.13.4. The Revenue from sale of power for FY 2020-21 as projected by petitioner works out to be Rs. 14,518.59 Crore towards electricity sales:

Table 4-31: Category-wise consolidated sales, revenue and ABR for FY 2021-22

Consolidated (all 5 Discoms)	Projected Sales (MU)	Estimated Revenue (Rs Cr)	Average Billing Rate (Rs/Unit)
LMV-1: Domestic Light, Fan & Power			
Life Line Consumers (both Rural and Urban) (up to 100 kWh/month)	1,484.70	549.39	3.70
Dom: Rural Schedule (unmetered)	-	-	-
Dom: Rural Schedule (metered) other than BPL	23,490.08	11,391.95	4.85
Dom: Supply at Single Point for Bulk Load	1,100.04	796.87	7.24
Other Metered Domestic Consumers other than BPL	18,995.00	13,250.48	6.98
Sub-Total	45,069.82	25,988.70	5.77

Consolidated (all 5 Discoms)	Projected Sales (MU)	Estimated Revenue (Rs Cr)	Average Billing Rate (Rs/Unit)
LMV-2: Non Domestic Light, Fan & Power			
Non Dom: Rural Schedule (unmetered)	-	-	-
Non Dom: Rural Schedule (metered)	921.59	570.73	6.19
Non Dom: Private Advertising /Sign Post/Sign Board/Glow Sign	5.56	10.01	18.00
Non Dom: Other Metered Non-Domestic Supply	5,791.68	6,443.86	11.13
Sub-Total	6,718.83	7,024.60	10.46
LMV-3: Public Lamps			
Unmetered	-	-	-
Unmetered - Gram Panchayat	-	-	-
Unmetered - Nagar Palika & Nagar Panchayat	-	-	-
Unmetered - Nagar Nigam	-	-	-
Metered	730.13	671.40	9.20
Metered - Gram Panchayat	43.89	36.14	8.23
Metered - Nagar Palika & Nagar Panchayat	230.13	210.81	9.16
Metered - Nagar Nigam	456.10	424.45	9.31
Sub-Total	730.13	671.40	9.20
LMV-4: Light, fan & Power for Institutions			
Inst: Public	906.35	894.17	9.87
Inst: Private	204.92	254.24	12.41
Sub-Total	1,111.27	1,148.41	10.33
LMV-5: Private Tube Wells/ Pumping Sets			
Consumers getting supply as per "Rural Schedule"	13,840.16	2,151.23	1.55
PTW: Rural Schedule (unmetered) (Total)	13,527.06	2,067.51	1.53
PTW: Rural Schedule (metered) (Total)	313.10	83.72	2.67
Consumers getting supply as per "Urban Schedule (Metered Supply)"	158.66	110.67	6.98
PTW: Urban Schedule (metered)	158.66	110.67	6.98
Sub-Total	13,998.82	2,261.90	1.62
LMV 6: Small and Medium Power upto 100 HP (75 kW)			
Consumers getting supply as per "Rural Schedule"	407.28	366.41	9.00
Consumers getting supply other than "Rural Schedule"	3,017.57	2,704.13	8.96
Sub-Total	3,424.85	3,070.54	8.97
LMV-7: Public Water Works			
Consumers getting supply as per "Rural Schedule"	492.12	441.33	8.97
Consumers getting supply other than "Rural Schedule"	1,304.63	1,293.58	9.92
Sub-Total	1,796.75	1,734.91	9.66
LMV-8: State Tube Wells & Pump Canals upto 100 HP			

Consolidated (all 5 Discoms)	Projected Sales (MU)	Estimated Revenue (Rs Cr)	Average Billing Rate (Rs/Unit)
Metered	2,862.50	2,759.74	9.64
Metered STW	2,862.50	2,759.74	9.64
Unmetered	-	-	-
Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP	-	-	-
Unmetered: Laghu Dal Nahar above 100 BHP	-	-	-
Sub-Total	2,862.50	2,759.74	9.64
LMV-9: Temporary Supply			
Metered	209.64	215.14	10.26
Metered TS: Individual residential consumers	9.02	10.31	11.43
Metered TS: Others	200.62	204.83	10.21
Unmetered	-	0.26	-
Unmetered TS: Ceremonies	-	-	-
Unmetered TS: Temp shops	-	0.26	-
Sub-Total	209.64	215.40	10.27
LMV-10: Departmental Employees	638.62	373.42	5.85
LMV-11: Electrical Vehicles			
Multi Story Buildings	-	-	-
LMV-1b	-	-	-
HV-1b	-	-	-
Public Charging Station	-	-	-
LT	-	-	-
HT	-	-	-
Sub-Total	-	-	-
HV-1: Non-Industrial Bulk Loads			
Commercial Loads / Private Institutions / Non-Domestic Bulk Power with contracted Load 75 kW & above and getting supply at single point on 11 kV & above voltage level.	1,875.21	1,958.96	10.45
Supply at 11 kV	1,599.03	1,599.15	10.00
Supply above 11 kV	276.19	359.81	13.03
Public Institutions, Registered Societies, Residential Colonies / Townships, Residential Multi-Storied Buildings including Residential Multi-Storied Buildings with contracted load 75 kW & above and getting supply at Single Point on 11 kV & above voltage levels	1,875.21	1,887.40	10.06
Supply at 11 kV	1,599.03	1,530.52	9.57
Supply above 11 kV	276.19	356.87	12.92
Sub-Total	3,750.43	3,846.35	10.26
HV-2: Large and Heavy Power above 100 BHP (75 kW)			
HV2 Urban Schedule: Supply at 11 kV	8,616.09	6,971.70	8.09

Consolidated (all 5 Discoms)	Projected Sales (MU)	Estimated Revenue (Rs Cr)	Average Billing Rate (Rs/Unit)
HV2 Urban Schedule: Supply above 11 kV & upto 66 kV	2,736.44	2,088.16	7.63
HV2 Urban Schedule: Supply above 66 kV & upto 132 kV	752.14	561.20	7.46
HV2 Urban Schedule: Supply above 132 kV	93.55	61.46	6.57
HV2 Rural Schedule: Supply at 11 kV	154.46	129.53	8.39
Sub-Total	12,352.68	9,812.04	7.94
HV-3: Railway Traction			
HV3 Supply at and above 132 kV	16.85	18.21	10.81
HV3 Supply below 132 kV	16.21	18.16	11.20
HV3 For Metro traction	118.82	104.02	8.75
Sub-Total	151.88	140.38	9.24
HV-4: Lift Irrigation & P. Canals above 100 BHP (75 kW)			
HV4 Supply at 11kV	407.68	365.42	8.96
HV4 Supply above 11kV & upto 66kV	289.65	279.68	9.66
HV4 Supply above 66 kV & upto 132kV	9.32	10.63	11.40
Sub-Total	706.65	655.72	9.28
Extra State Consumer	26.78	20.97	7.83
Bulk Supply Consumer	2,058.67	863.38	4.19
Grand Total	95,608.34	60,587.86	6.34

4.14. Non-Tariff Incomes

4.14.1. The Petitioner has projected the non-tariff incomes for FY 2021-22 to the tune of Rs. 12.57 Crore on the basis of FY 2020-21 other income (excluding DPS) submitted in APR for FY 2020-21.

Table 4-32: Non-Tariff Income for FY 2021-22 (Rs Crore)

Particulars	Projected
Fixed Deposit	
Rents	0.08
Interest income from investment	3.00
rental From Contractor	9.24
Delayed Payment surcharge	0.00
Miscellaneous Receipts from consumers (excluding income from Cross-subsidy surcharge)	0.25
Total	12.57

4.15. GoUP Subsidy

4.15.1. The petitioner has considered revenue subsidy Rs. 3,324.80 Crore for FY 2021-22 provisionally based on FY 2020-21.

4.15.2. With reference to direct benefit transfer (DBT), the Hon'ble Commission in its Tariff Order dated 11 November 2020 has directed the Petitioner as under:

“10.2.1. The State Government is providing annual subsidy of Rs. 10250 Crores for FY 2020-21. The Petitioners have not developed any transparent mechanism for proper utilization of this subsidy only for the directed class of consumers namely, agricultural, lifeline, rural domestic etc. In view of ensuring transparent utilization of public resources by way of subsidy, the Petitioners are directed to prepare a scheme for transfer of subsidy in a transparent manner with the approval of the State Government to be implemented with effect from 1st April 2022. For introduction of DBT, the Petitioners will need to achieve 100% metering of all consumers and also computerise the details of all those consumers who are to be benefitted with subsidy under DBT including agricultural consumers. The Petitioners shall submit the roadmap for DBT in their next ARR filing for year 2021-22.”

4.15.3. The Petitioner submits that appropriate action will be taken accordingly.

4.16. ARR for FY 2021-22

4.16.1. The Aggregate Revenue Requirement for FY 2021-22 is summarised in the Table below:

Table 4-33: ARR claimed for FY 2021-22 (Rs Crore)

Sr. No.	Particular	FY 2021-22
		Projected
1	Power Purchase Expenses including PGCIL charges	15,279.81
2	Transmission Charges	683.19
3	Total O&M expenses net of capitalization	2,529.03
4	Interest and Finance charges	668.08
5	Contribution towards Contingency Fund	-
6	Depreciation	460.63
7	Prior Period Expenses	-
8	Bad and Doubtful Debts	356.87
9	Gross Expenditure	19,977.60
10	Add: Return on Equity	673.82
11	Less: Non-tariff Incomes	12.57
12	Less: revenue from Cross-subsidy (Short-term open access consumers)	0.57
13	Annual Revenue Requirement	20,638.28
14	Revenue from Tariff incl DPS	14,518.59
15	GoUP Subsidy	3,324.80
16	Less: Additional Subsidy to be provided by GoUP	-
17	Net Revenue (Gap)/Surplus	(2,794.89)

4.16.2. The Petitioner requests to approve the ARR claimed for FY 2021-22 in above Table.

5. Accumulated Revenue Gap

5.1. The Petitioner submits that accumulated Revenue Gap from True-up, APR and ARR is summarized without considering carrying cost is as under:

Table 5-1: Accumulated Revenue Gap for FY 2021-22 (Rs. Crore)

Particulars (Rs Crore)	Revenue Gap
Revenue Gap for FY 2019-20 (Gap)/Surplus	(2,744.77)
Revenue Gap for FY 2020-21 (Gap)/Surplus	(2,009.23)
Revenue Gap for FY 2021-22 (Gap)/Surplus	(2,794.89)
Total (Gap)/Surplus to be recovered in FY 2021-2	(7,548.89)

6. Tariff Category Rationalisation

6.1.1. The Petitioner submits that the Hon'ble Commission in its Order dated 11.11.2020 has not considered its tariff rationalisation for Consumer category / sub-category / slab simplification submission, which the Hon'ble Commission has not decided to approve stating that the said proposal was filed at very later stage of tariff proceedings. The relevant extract of the Order is reproduced as below:

“8.1.11. The State owned Discoms vide letter No. 427/RAU/ARR 2020-21 dated September 01, 2020 has submitted a tariff rationalisation for Consumer category / sub-category / slab simplification under uniform tariff for Discoms. However, after consideration of views / comments of various stakeholders, SAC Committee members and the Licensees, the Commission has decided to not approve the tariff category rationalisation as the said proposal was filed at very later stage of Tariff proceedings.”

6.1.2. The Petitioner, therefore, is resubmitting the consumer category/sub-category/slabs rationalisation proposal for consideration of the Hon'ble Commission. The Petitioner submits that the same is required due to following:

- a) Existing Tariff Schedule is very complex to understand by consumers and complicated to implement by the Licensees.
- b) Proper implementation of Government Subsidy is also difficult due to large number of slabs.
- c) The difference in slabs of rural and urban consumers necessitates rationalization.
- d) Category rationalization will help IT system, commercial & finance wings to implement UPERC Tariff orders effectively.
- e) It will be easier to cross subsidize consumer categories as per Tariff Policy.
- f) Tariff rationalisation exercise has been carried out under the reforms suggested by Ministry of Power, Govt. of India.

6.1.3. The Petitioner humbly submits to the Hon'ble Commission to consider the below-mentioned tariff category rationalisation in the present proceedings.

6.1.4. As per the presently applicable structure there are 80 categories/subcategories and slabs are present in the tariff schedule for 15 consumers categories. Considering the complex tariff schedule of the State UPPCL in consultation with the State Licensees has proposed tariff rationalization. It is submitted that for the purpose of tariff rationalization some of the categories/sub-categories and slabs have been rationalization considering overall revenue neutrality at consolidated level.

Category	Proposed for tariff rationalization	Load	No of Consumers	Sales
LMV-1	No changes are	No Simplification	No	No Simplification

Category	Proposed for tariff rationalization	Load	No of Consumers	Sales
	proposed in the following categories: Life Line Consumers (upto 100 kWh) Dom: Rural Schedule (unmetered) Dom: Supply at Single Point for Bulk Load	Suggested	Simplification Suggested	Suggested
LMV-1	Dom: Rural Schedule (metered) other than Lifeline <i>Present structure with five (5) slabs is replaced with three (3) slabs only, i.e. 0 – 100, 101 – 300 and Above 300 units per month</i>	Slabs have been made identical for urban and rural categories. No impact on load as existing slabs are re-arranged	Slabs have been made identical for urban and rural categories. Consumers with slab 101-150 kWh/month will be impacted as per currently applicable subsidy.	There will be no impact on total sales, as slabs have been rationalized and identical for urban and rural categories.
	Dom: Other Metered Domestic Consumers other than Lifeline <i>Present structure with four (4) slabs is replaced with three (3) slabs only, i.e. 0 – 100, 101 – 300 and Above 300 units per month. The proposed slabs of urban categories are identical to rural slabs category</i>	Slabs have been made identical for urban and rural categories. No impact on load as existing slabs are re-arranged	Slabs have been made identical for urban and rural categories.	There will be no impact on sales as slabs have been made identical for urban and rural categories.
LMV-2	<i>Rural Schedule (Unmetered) sub-category has been deleted and merged with the Rural Schedule (Metered) sub-category.</i>	Proposed changes are being done to achieve 100% metering except LMV-5		
	Private Advertising /Sign Post/Sign Board/Glow Sign is merged with other meter non-domestic supply	There will be insignificant impact on billing determinant.		
LMV-2	Non Dom: Other Metered Non-Domestic Supply <i>Sub-categories having connected load up to 2 kW and above 2 kW to 4 kW has been merged</i>	As per the recent practice single phase connection is being provided up to 4 kW load. Therefore, connected load up to 2 kW and above 2	As per existing IT system number of consumers 0-100 kWh/Month. Is not available.	As per existing IT system sales for 0-100 kWh/Month. Is not available.

Category	Proposed for tariff rationalization	Load	No of Consumers	Sales
	<i>into single sub-category having connected load of upto 4 kW. One new slab is added 0-100 kWh/Month</i>	kW to 4 kW has been merged into single sub-category having connected load of upto 4 kW.		
LMV-2	For sub-categories having connected load Above 4 kW two slabs has been proposed as under: <ul style="list-style-type: none"> • 0-1000 kWh/Month • Above 1000 kWh/Month 	As per the recent practice three phase connection is being provided for load above 4 kW. Therefore, only two slabs up to 1000kWh/month and above 1000 kWh/Month is proposed.	No Simplification Suggested	No Simplification Suggested
LMV-3	Un-Metered <i>Only one unmetered category is proposed after merging all existing Sub-categories.</i>	Power supply to the all unmetered - Gram Panchayat, Nagar Palika & Nagar Panchayat, Nagar Nigam are in common schedule. Therefore, all unmetered are merged. However, there will be no impact on billing determinants.		
LMV-3	Metered <i>Only one metered category is proposed after merging all existing Sub-categories.</i>	Power supply to the all metered - Gram Panchayat, Nagar Palika & Nagar Panchayat, Nagar Nigam are in common schedule. Therefore, all metered are merged. However, there will be no impact on billing determinants		
LMV-4	Public Institutions <i>The Public Institutions sub-category currently has three (3) consumption slabs 0 – 1000, 1001 – 2000 and Above 2000 kWh / month which is merged into single (1) consumption slab</i>	Fixed Charges has been kept same as per existing Tariff schedule.	Consumption slabs is being merged. No impact on number of consumers are	No impact on sales.
LMV-4	Private Institutions <i>The Private Institutions sub-category currently has two load based sub-categories and 4 consumption-based slabs. All these have been merged into two sub-categories as under</i> <ul style="list-style-type: none"> • Inst: Educational Institute • Inst: Other Private Institution 	Existing IT system does not mentioned load data in proposed sub-categories Inst: Educational Institute and Other Private Institution	There will be no impact on number of consumers	There will be no impact on over all sales of the sub category.

Category	Proposed for tariff rationalization	Load	No of Consumers	Sales
LMV-5	No simplification proposed	No Simplification Suggested	No Simplification Suggested	No Simplification Suggested
LMV-6	Consumers getting supply other than Rural Schedule <i>It is proposed category based on Load – say upto 20 kW and above 20 kW,</i>	Load based tariff is proposed based on the analysis applicable tariff in various states.	No impact on number of consumers	Impact on sales can be analyzed after implementation of the proposed schedule.
LMV-6	Consumers getting supply as per Rural Schedule <i>Consumer getting supply as per ‘Rural Schedule’ is getting 7.50% Rebate on ‘RATE’ as given for Consumer getting supply ‘Other than Rural Schedule’</i>			
LMV-7 LMV-8	It is proposed to be merged LMV-7 and LMV-8. Metered STW is merged with LMV-7 Urban, Un-metered STW is kept as a separate sub-category for STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP & Laghu Dal Nahar above 100 BHP	Only categories are merged no changed in existing billing determinants of the categories.		
LMV-9	Proposed change in metered slabs is based on provisions of other state Tariff Schedule For Unmetered TS: Ceremonies Normative consumption 240 kWh per day (12 hours per day for up to 20 kW connection) and for Unmetered TS: Temp shops normative units 36 kWh per day (18 hours per day for up to 2 kW connection) is proposed	Proposed changes are being made to ascertain billing determinants of Temporary Supply		
LMV-10	No simplification proposed	No Simplification Suggested	No Simplification	No Simplification Suggested

Category	Proposed for tariff rationalization	Load	No of Consumers	Sales
			Suggested	
LMV-11	No simplification proposed	No Simplification Suggested	No Simplification Suggested	No Simplification Suggested
HV-1	Public Institutions/ Registered Societies / Residential Colonies/ Townships/Residential Multi-Storied Buildings including Residential Multi-Storied Buildings			
HV-1	Commercial Loads / Private Institutions/Non-domestic bulk power consumer	All slabs have been merged as Supply at 11 kV and Supply above 11 kV.		
HV-2	It is proposed that no separate Rural Schedule: Supply at 11 kV is required, it is proposed that charges for Rural Schedule: Supply at 11 kV may be as per existing provision may be "Consumer getting supply as per 'Rural Schedule' is getting 7.50% Rebate on 'RATE' as given for Consumer getting supply 'Other than Rural Schedule'"	All slabs have been merged as Supply at 11 kV and Supply above 11 kV.	No Simplification Suggested	No Simplification Suggested
HV-3	it is proposed to merge the first two sub-categories of Railway Traction, based on voltage level, into a single sub-category i.e. HV3 for Railway Traction.	Proposed changes in Railway Traction category considering current scenario of railways consumers as most of these consumers has migrated to Open Access	No Simplification Suggested	No Simplification Suggested
HV-4	No simplification proposed	No Simplification Suggested	No Simplification Suggested	No Simplification Suggested

UP State Tariff Categories			
Tariff category		Existing	Proposed
LMV-1	DOMESTIC LIGHT, FAN & POWER:	12	9

LMV-2	NON-DOMESTIC LIGHT, FAN & POWER:	12	6
LMV-3	PUBLIC LAMPS:	6	2
LMV-4	LIGHT, FAN & POWER FOR PUBLIC & PRIVATE INSTITUTION:	7	3
LMV-5	SMALL POWER FOR PRIVATE TUBE WELL/ PUMPING SETS FOR IRRIGATION PURPOSES:	4	4
LMV-6	SMALL AND MEDIUM POWER:	6	4
LMV-7	PUBLIC WATER WORKS:	2	3
LMV-8	STW, PANCHAYTI RAJ TUBE WELL & PUMPED CANALS:	2	0
LMV-9	TEMPORARY SUPPLY:	5	3
LMV-10	DEPARTMENTAL EMPLOYEES AND PENSIONERS:	1	1
LMV-11	ELECTRIC VEHICLE CHARGING:	4	4
HV-1	NON-INDUSTRIAL BULK LOAD:	8	4
HV-2	LARGE AND HEAVY POWER:	5	5
HV-3	RAILWAY TRACTION & METRO RAIL:	3	2
HV-4	LIFT IRRIGATION WORKS:	3	3
	Total	80	53

Billing Determinants as per Tariff Order		Consumer Category/sub-category/Slab Rationalization Proposal	
	CONSUMER CATEGORY / SUB-CATEGORY/Slab		CONSUMER CATEGORY / SUB-CATEGORY /Slab
LMV-1	DOMESTIC LIGHT, FAN & POWER:	LMV-1	DOMESTIC LIGHT, FAN & POWER:
(a)	Consumers getting supply as per 'Rural Schedule'	(a)	Consumers getting supply as per 'Rural Schedule'
(i)	Lifeline Consumers: With contracted load of 1.00 kW, Energy consumption upto 100 kWh/ month	(i)	Lifeline Consumers: With contracted load of 1.00 kW, Energy consumption upto 100 kWh/ month
(ii)	Un-Metered:	(ii)	Un-Metered:
(iii)	Metered: (Dom: Rural Schedule (metered) other than BPL)	(iii)	Metered: (Dom: Rural Schedule (metered) other than BPL)
	Upto 100 kWh / Month		Upto 100 kWh / Month
	101-150 kWh / Month		101-300 kWh / Month
	151-300 kWh / Month		Above 300 kWh / Month
	301-500 kWh / Month		
	Above 500 kWh / Month		
(b)	Supply at single point for bulk loads (50 kW and above, Supplied at any voltage):	(b)	Supply at single point for bulk loads (50 kW and above, Supplied at any voltage):
	Deemed Franchisee of the Licensee should not charge more than 5% additional charge on the above specified rate.		Deemed Franchisee of the Licensee should not charge more than 5% additional charge on the above specified rate.
(c)	Other Metered Domestic Consumers:	(c)	Other Metered Domestic Consumers:
(ii)	Other Metered Domestic Consumers other than BPL	(ii)	Other Metered Domestic Consumers other than BPL
	Upto 150 kWh / month		Upto 100 kWh / Month
	151-300 kWh / month		101-300 kWh / Month
	301- 500 kWh / month		Above 300 kWh / Month

Billing Determinants as per Tariff Order		Consumer Category/sub-category/Slab Rationalization Proposal	
	Above 500 kWh / month		
LMV-2	NON-DOMESTIC LIGHT, FAN & POWER:	LMV-2	NON-DOMESTIC LIGHT, FAN & POWER:
(a)	Consumers getting supply as per "Rural Schedule"	(a)	Consumers getting supply as per "Rural Schedule"
(i)	Un-Metered		[Merged with metered category]
(ii)	Metered	(i)	Metered
(b)	Private Advertising / Signposts / Sign Boards / Glow Signs / Flex	(b)	Private Advertising / Signposts / Sign Boards / Glow Signs / Flex
	Metered		[Merged with (c) below]
(c)	Other Metered Consumers: (For All Loads)	(c)	Other Metered Consumers: (For All Loads)
	Upto 2 kW		Upto 4 kW
	Upto 300 kWh / month		Upto 100 kWh / Month
	301 – 1000 kWh / month		101-300 kWh / Month
	Above 1000 kWh/Month		Above 300 kWh / Month
	Above 2 kW to 4 kW		Above 2 kW to 4 kW
	Upto 300 kWh / month		[Merged with (c) above]
	301 – 1000 kWh / month		
	Above 1000 kWh/Month		
	Above 4 kW		Above 4 kW
	Upto 300 kWh / month		Upto 1000 kWh / Month
	From 301-1000 kWh / month		Above 1000 kWh / month
	Above 1001 kWh / month		
LMV-3	PUBLIC LAMPS:	LMV-3	PUBLIC LAMPS:
	Un-Metered Supply:		Un-Metered Supply:
	Gram Panchayat.		Gram Panchayat, Nagar Palika, Nagar Panchayat and Nagar Nigam
	Nagar Palika and Nagar Panchayat		
	Nagar Nigam		Metered Supply:
	Metered Supply:		Gram Panchayat, Nagar Palika, Nagar Panchayat and Nagar Nigam
	Gram Panchayat		
	Nagar Palika and Nagar Panchayat		
	Nagar Nigam		
LMV-4	LIGHT, FAN & POWER FOR PUBLIC & PRIVATE INSTITUTION:	LMV-4	LIGHT, FAN & POWER FOR PUBLIC & PRIVATE INSTITUTION:
4 (a)	For Public Institutions:	4 (a)	For Public Institutions:
	From 0-1000 kWh/ month		
	From 1001-2000 kWh/ month		
	Above 2001 kWh / month (From 2001st unit onwards)		
4 (b)	For Private Institutions:	4 (b)	For Private Institutions:
	Upto 3 kW: Upto 0-1000 kWh/Month		All Load
	Upto 3 kW: Above 1000 kWh/Month		For Private Educational Institutions
	Above 3 kW: Upto 0-1000 kWh/Month		For Other Private Institutions
	Above 3 kW: Above 1000 kWh/Month		
LMV-5	SMALL POWER FOR PRIVATE TUBE WELL/ PUMPING SETS FOR IRRIGATION PURPOSES:	LMV-5	SMALL POWER FOR PRIVATE TUBE WELL/ PUMPING SETS FOR IRRIGATION PURPOSES:
(a)	Consumers getting supply as per "Rural Schedule"	(a)	Consumers getting supply as per "Rural Schedule"
(i)	Un-Metered Supply	(i)	Un-Metered Supply
	Rural Schedule		Rural Schedule
	Rural Schedule Pumps		Rural Schedule Pumps
(ii)	Metered Supply	(ii)	Metered Supply
	Rural Schedule		Rural Schedule
	Rural Schedule Pumps		Rural Schedule Pumps
(iii)	Energy Efficient Pumps	(iii)	Energy Efficient Pumps
(b)	Consumers getting supply as per "Urban Schedule (Metered Supply)"	(b)	Consumers getting supply as per "Urban Schedule (Metered Supply)"

Billing Determinants as per Tariff Order		Consumer Category/sub-category/Slab Rationalization Proposal	
	Schedule		Schedule
LMV-6	SMALL AND MEDIUM POWER:	LMV-6	SMALL AND MEDIUM POWER:
(a)	Consumers getting supply other than "Rural Schedule"	(a)	Consumers getting supply other than "Rural Schedule"
	Upto 1000 kWh/ month		Connected Load upto 20 kW
	Upto 2000 kWh/ month		Connected Load Above 20 kW
	Above 2000 kWh / month		
LMV-7	PUBLIC WATER WORKS:	LMV-7 & LMV-8	PUBLIC WATER WORKS, STW, PANCHAYTI RAJ TUBE WELL & PUMPED CANALS:
(a)	Consumers getting supply other than "Rural Schedule"	(a)	Consumers getting supply other than "Rural Schedule"
(b)	Consumers getting supply as per "Rural Schedule"	(b)	Consumers getting supply as per "Rural Schedule"
			Metered PWW, STW, PANCHAYTI RAJ TUBE WELL & PUMPED CANALS
			Un-Metered STW, PANCHAYTI RAJ TUBE WELL & PUMPED CANALS
LMV-8	STW, PANCHAYTI RAJ TUBE WELL & PUMPED CANALS:		Merged with LMV 7
(i)	Metered		
(ii)	Un-Metered		
	Unmetered:STW/Panch.Raj/WB/ID/P. Canals/LI upto 100 BHP		
	Unmetered: Laghu Dal Nahar above 100 BHP		
LMV-9	TEMPORARY SUPPLY:	LMV-9	TEMPORARY SUPPLY:
(a)	Un-Metered	(a)	Un-Metered
	Illumination / Public Address / ceremonies for loads upto 20 kW / connection plus Rs.100.00 / kW / day for each additional kW		Illumination / Public Address / ceremonies for loads upto 20 kW / connection plus Rs.100.00 / kW for each additional kW [for one day only]
			Illumination / Public Address / ceremonies for loads upto 20 kW / connection plus Rs.100.00 / kW for each additional kW [for more than one day and upto 15 days only]
	Temporary shops set-up during festivals / melas or otherwise and having load up to 2 kW		Temporary shops set-up during festivals / melas or otherwise and having load up to 2 kW
	PTW consumers of Bundelkhand Area having requirement of electricity only for the Rabi Crop i.e. period between November to February in any year.		PTW consumers of Bundelkhand Area having requirement of electricity only for the Rabi Crop i.e. period between November to February in any year.
(b)	Metered	(b)	Metered
	(i) Individual Residential Consumers		(i) Individual Residential Consumers
	(ii) Others		(ii) Others
	From 3rd Year onwards: Base Tariff applicable for current year plus additional 10% of the applicable Energy Charge.		
LMV-10	DEPARTMENTAL EMPLOYEES AND PENSIONERS:	LMV-10	DEPARTMENTAL EMPLOYEES AND PENSIONERS:
LMV-11	ELECTRIC VEHICLE CHARGING:	LMV-11	ELECTRIC VEHICLE CHARGING:
	Multi Storey Buildings (covered under LMV-1b & HV-1b of the Rate Schedule)		Multi Storey Buildings (covered under LMV-1b & HV-1b of the Rate Schedule)
	Multi Story Buildings (Covered under LMV-1b)		Multi Story Buildings (Covered under LMV-1b)
	Multi Story Buildings (Covered under HV-1b)		Multi Story Buildings (Covered under HV-1b)
	Public Charging Stations		Public Charging Stations
	Public Charging Station (LT)		Public Charging Station (LT)
	Public Charging Station (HT)		Public Charging Station (HT)
HV-1	NON-INDUSTRIAL BULK LOAD:	HV-1	NON-INDUSTRIAL BULK LOAD:
(a)	Commercial Loads / Private Institutions / Non-	(a)	Commercial Loads / Private Institutions / Non-

Billing Determinants as per Tariff Order		Consumer Category/sub-category/Slab Rationalization Proposal	
	Domestic Bulk Power consumer with contracted Load 75 kW & above and getting supply at single point on 11 kV & above:		Domestic Bulk Power consumer with contracted Load 75 kW & above and getting supply at single point on 11 kV & above:
	For Supply at 11 kV		For Supply at 11 kV (All Units)
	0-2500 kVAh / month		
	Above 2500 kVAh / month		
	For Supply above 11 kV		For Supply above 11 kV (All Units)
	0-2500 kVAh / month		
	Above 2500 kVAh / month		
(b)	Public Institutions, Registered Societies, Residential Colonies / Townships, Residential Multi-Storied Buildings including Residential Multi-Storied Buildings with contracted load 75 kW & above and getting supply at Single Point on 11 kV & above voltage levels:	(b)	Public Institutions, Registered Societies, Residential Colonies / Townships, Residential Multi-Storied Buildings including Residential Multi-Storied Buildings with contracted load 75 kW & above and getting supply at Single Point on 11 kV & above voltage levels:
	For Supply at 11 kV		For Supply at 11 kV (All Unit)
	0-2500 kVAh / month		
	Above 2500 kVAh / month		
	For Supply above 11 kV		For Supply above 11 kV (All Unit)
	0-2500 kVAh / month		
	Above 2500 kVAh / month		
HV-2	LARGE AND HEAVY POWER:	HV-2	LARGE AND HEAVY POWER:
(A)	Urban Schedule:	(A)	Urban Schedule:
	Supply up to 11 kV		Supply up to 11 kV
	Supply above 11 kV and up to 66 kV		Supply above 11 kV and up to 66 kV
	Supply above 66 kV and up to 132 kV		Supply above 66 kV and up to 132 kV
	Supply above 132 kV		Supply above 132 kV
HV-3	RAILWAY TRACTION & METRO RAIL:	HV-3	RAILWAY TRACTION & METRO RAIL:
(A)	Railway Traction:	(A)	Railway Traction:
	For Supply at and above 132 kV		
	For Supply below 132 kV		
(B)	METRO RAIL	(B)	METRO RAIL
HV-4	LIFT IRRIGATION WORKS:	HV-4	LIFT IRRIGATION WORKS:
	For Supply at 11 kV		For Supply at 11 kV
	For Supply at 33 kV & 66 kV		For Supply at 33 kV & 66 kV
	For Supply at 132 kV		For Supply at 132 kV

6.1.5. The Petitioner requests the Hon'ble Commission to determine the tariff for FY 2021-22 on the category/sub-category/slabs rationalisation as proposed above.

7. Compliance to Directives issued by UPERC for FY 2019-20 in Tariff Order dated 1 November 2020

Table 7-1: Compliance to directives issued under Tariff Order for FY 2020-21

Sl. No.	Description of Directive	Directives in the Tariff Order for FY 2020-21	Compliance
1	To prepare a scheme for direct transfer of subsidy to the consumers in a transparent manner with the approval of the State Government and submit the road map of DBT implementation in next ARR.	Next ARR Filings	Approval of the State Government is under process.
2	100% metering is a necessary condition for an efficient distribution network and financial viability of the distribution companies. As per the submission made by the Petitioners, the metering of all the consumers (except LMV-5) shall be completed by end of FY 2020-21. The Commission directs that metering of LMV-10 consumers should be completed by end of FY 2020-21. The Petitioners shall also strive to ensure metering of consumers in LMV-5 category as well because 100% metering of consumers is necessary for implementing DBT mechanism.	As per the time lines specified	The Petitioner humbly submits that it is working to comply the Hon'ble Commission's directive.
3	The Petitioners have already commenced installation of 40 lakh smart meters. The Commission further directs that in addition to above smart meter roll out plan of 40 lakh smart meters, only either pre-paid meter or smart meters be installed for all new connections or replacement of faulty meters.	Immediate	The Petitioner is obligated to follow the Hon'ble Commission's directive.
4	The Petitioners are directed to ensure 100% feeder metering and DT metering within next one year.	As per the time lines specified	The Petitioner humbly submits that it has started the work of feeder metering and will do its best efforts to complete the same in next one year. The Petitioner further submits that the process of DT metering is already initiated and will try to ensure 100% DT metering.
5	The Licensee to ensure that the Category / Sub-Category wise billed revenue as per Rate Schedule is included in the Audited Annual Accounts/Financial Statements from FY 2020-21 onwards.	Immediate	Licensee will ensure to comply the same from FY 2020-21 onwards
6	The Petitioners must submit the details of each investment scheme / project exceeding Rs. 10 Crore and obtain prior	Immediate	The Petitioner is obligated to follow the Hon'ble Commission's directive.

Sl. No.	Description of Directive	Directives in the Tariff Order for FY 2020-21	Compliance
	approval of the Commission as per Regulations for inclusion as regulatory expenditure in the ARR. Failure to do so will result in disallowance of such investment in the ARR in order to safeguard the consumers from unjust and unfair charges.		
7	The Commission also directs the Petitioners to submit the voltage wise (440V, 11kV, 33kV, 66kV, 132 kV) - Energy Sales and Losses. Also, the now mandatory energy audit report and the cost audit report (prepared in accordance with Companies (Cost Records and Audit) Rules 2014) shall also be submitted every year along with the ARR Petitions.	Next ARR Filings	The Petitioner humbly submits that it has started the Feeder & DT metering work in Discom, after completion of the work licensees will be able to submits the required report to the Hon'ble Commission. Further, Cost Audit report is also under preparation for FY 2019-20 and it will be submitted shortly.
8	The Commission directs the Petitioners to ensure to file its ARR/ tariff Petition on time strictly in accordance with the applicable UPERC MYT Regulations.	Next ARR Filings	The Petitioner is obligated to follow the Hon'ble Commission's directive.
9	The Commission directs the Petitioners that while filing ARR/ Tariff Petition, it shall upload on its website the Petitions filed before the Commission along with all regulatory filings, information, particulars and related documents, which shall be signed digitally and in searchable pdf formats along with all excel files.	Next ARR Filings	The Petitioner is obligated to follow the Hon'ble Commission's directive.
10	The Commission directs that its un-complied directions of earlier Tariff Orders be complied with immediately.	Immediate	The Petitioner submits compliance status of earlier un-complied directives within this section itself.

Compliance status of un-complied directions of earlier Tariff Orders are as under:

Table-7-2: Compliance to uncompiled directives issued under Tariff Order for FY 2019-20

Sl. No	Description of Directives	Compliance status
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Sl. No	Description of Directives	Compliance status
2	Licensees to comply with the Regulation 23 A (b) of UPERC Multi Year Distribution Tariff Regulations, 2014 relating to obtaining project wise prior approval of the Commission before incurring capital expenditure of an amount exceeding 10 Crore, so that such investments may be allowed in the ARR.	The State Discoms submitted that it is obligated to follow the directive.
7	Agricultural consumers should be given un-interrupted supply preferably during day time as per schedule.	The State Discoms submitted that it is making all efforts to provide un-interrupted supply preferably during day time as per schedule to the Agricultural consumers
12	100% metering for LMV-10 consumers was Ordered in Commission's MYT Order dated November 30, 2017. This should be immediately complied with failing which punitive measures may be taken against the Licensee in terms of deemed revenue.	Efforts are being made in this direction. Problem is being faced in maintaining industrial relations with employee unions and unrest with employees considering their agreement with the Govt.

Table-7-3: Compliance to uncompiled directives issued under Tariff Order for FY 2018-19

Sl.No.	Description of Directive	Compliance status
2	The Commission had directed the Licensees to submit the actual details of revenue category and sub-category wise for all the consumers.	As directed by the Hon'ble Commission in its Order dated 11.11.2020, the Licensee will ensure to comply the same from FY 2020-21 onwards.
3	The Commission directed the Licensees to submit a trajectory of targets for improving Collection Efficiency during the Control Period (FY 2017-19) at the time of Annual Performance Review. However, the Licensees have not submitted any trajectory targets for improving the Collection Efficiency.	Discoms are making efforts to improve their Collection Efficiency. It is humbly submitted that the Hon'ble Commission is determining the ARR at 100% Collection Efficiency.

Sl.No.	Description of Directive	Compliance status
7	The Licensees are directed to depict the Regulatory Surcharge separately and distinctly in the electricity bills of the consumers. The Licensees should maintain separate accounting fields for the regulatory surcharge and capture the amounts billed and collected as Regulatory Surcharge in both of its financial and commercial statements. This would enable the Licensees to correctly report the amounts collected towards Regulatory Surcharge.	Regulatory surcharge has already been abolished by the Hon'ble Commission.
9	Submit details of inter- state losses as per the format described in the relevant part of this order	Inter-state losses have been submitted to Hon'ble Commission in the Format provided by Hon'ble Commission in the relevant section.

Table-7-4: Compliance to uncompiled directives issued under Tariff Order for FY 2017-18

S.No.	Description of Directive	Compliance
2	The Commission directs the Licensee to evolve principles for prudent segregation of ARR towards wheeling function and retail supply function embedded in the distribution function in accordance with part VI of the Multi Year Distribution Tariff Regulations, 2014.	The Petitioner humbly submits that complete segregation of account between wheeling and retail supply has still not taken place, therefore the Petitioner has adopted the basis of allocation of the expenses in line with the methodology used by the Hon'ble Commission in its last Tariff Order.
3	The Commission directs the Licensee to expedite the process of conducting Cost of Service (CoS) studies which would serve as a tool for alignment of costs and charges and submit details regarding the CoS studies for each category or voltage level.	Tariff Policy, 2016 requires determination of Cross-subsidy levels based on Average Cost of Supply only. Therefore, the cost of service study is no longer required.
4	The Commission directs the Licensee to install electronic meters in the residential consumers under LMV-10 category and submit a progress report every month.	Efforts are being made in this direction. Problem is being faced in maintaining industrial relations with employee unions and unrest with employees considering their agreement with the Govt.

S.No.	Description of Directive	Compliance
7	The Commission directs the Licensee to ensure the timely payment of the interest on security deposit to the consumers as per the Orders of the Commission and submit the compliance report. Licensees should submit the details of the actual interest on consumer security deposit paid to the consumers in FY 2016-17. MVNNL and KESCO were directed to submit the details of the actual interest on consumer security deposit paid to the consumers for FY 2014-15 & FY 2015-16.	The data work is not fully computerised for FY 2014-15 & FY 2015-16. It has advertised by the utility that the consumers whose interest has not been adjusted in the bills, should inform the concerned divisions.
9	The Commission directs the Licensee to submit the tentative timelines for submitting the Fresh Actuarial Valuation Study Report in respect to employee expenses.	Fresh Actuarial Valuation Study Report is attached as Annexure-I.
10	The Commission directs the Licensee to file a separate Petition for approval of prior period expenses / incomes. The Petition should clearly indicate the head-wise year-wise bifurcation of prior period expenses / incomes clearly indicating the impact of such expenses / incomes on various ARR components, and such impact should not exceed the normative expenses for any particular year.	The Licensee hereby submits that prior period expenses/income records as required for preparing the details is not readily available. This is causing the concerns for the petition submission

Table-7-5: Compliance to uncompiled directives issued under Tariff Order for FY 2016-17

S. No.	Description of Directive	Compliance
5	The Commission directs the Licensee to complete the Study of Agriculture feeders segregated and not segregated in significant numbers to determine base line norms as per the Regulations 17.2, 17.3 notified vide MYT Regulations, 2014 and subsequently submit the report to the Commission.	The agriculture feeder segregation is under process. As the conversion of unmetered to metered is under process. The requirement of this study does not appear necessary. Hon'ble Commission has eliminated study related provisions from MYT Regulations 2019.
6	The Commission directs the Licensee to submit Roadmap for Reduction of Cross Subsidy as per the Regulation 39 notified vide MYT Regulations, 2014.	After, the Hon'ble Commission sets the Roadmap for Reduction of Cross Subsidy, licensee is obligated to follow the same.

8. Retail and Wheeling Business ARR Summary

- 8.1.1. Clause 39.1 of the MYT (Transmission and Distribution) Regulations, 2019 provide that ARR/Tariff filing by the Distribution Licensee shall separately records for the Distribution Wires Business and Retail Supply Business and shall prepare an Allocation Statement to enable the Hon'ble Commission to determine the Tariff separately for the Distribution Wires Business and Retail Supply Business. In case complete accounting segregation has not been done between the Distribution Wires Business and Retail Supply Business of the Distribution Licensee, the ARR of the Distribution Licensee shall be apportioned between the Distribution Wires Business and Retail Supply Business in accordance with an Allocation Matrix to be prepared by the Licensee and submitted for the Hon'ble Commission`s approval.
- 8.1.2. The Petitioner humbly submits that complete segregation of account between wheeling and retail supply has still not taken place, therefore the Petitioner has adopted the basis of allocation of the expenses in line with the methodology used by the Hon'ble Commission in its last Tariff Order.
- 8.1.3. Allocations of Consolidated ARR into wheeling & retail supply for 1st Control Period have been estimated into following table:

Table 8-1: Wheeling and Retail Supply for the FY 2021-22 (Rs. Crore)

Particulars	Allocation %		Allocation (FY 2021-22)		
	Wheeling	Supply	Wheeling	Supply	Total
Power Purchase Expenses (incl PGCIL charges)	0%	100%	0.00	62,020.99	62,020.99
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	0%	100%	0.00	0.00	0.00
Transmission Charges - Intra state (incl SLDC Charges)	0%	100%	0.00	2,729.61	2,729.61
O&M Expenses					
Employee cost (Net of Capitalisation)	60%	40%	884.38	589.59	1,473.96
A&G expenses	40%	60%	977.77	1,466.65	2,444.42
R&M expenses	90%	10%	4,642.94	515.88	5,158.82
Interest & Finance charges (Net of Capitalisation)	90%	10%	2,137.09	237.45	2,374.55
Depreciation	90%	10%	1,668.58	185.40	1,853.98
Gross Expenditure			10,310.76	67,745.58	78,056.34
Expense capitalization					
Employee cost capitalized	60%	40%	0.00	0.00	0.00
Interest capitalized	90%	10%	0.00	0.00	0.00
A&G expenses	40%	60%	0.00	0.00	0.00

Particulars	Allocation %		Allocation (FY 2021-22)		
	Wheeling	Supply	Wheeling	Supply	Total
capitalized					
Net Expenditure			10,310.76	67,745.58	78,056.34
Provision for Bad & Doubtful debts	0%	100%	0.00	1,416.76	1,416.76
Provision for Contingency Reserve	0%	100%	0.00	0.00	0.00
Total net expenditure with provisions			10,310.76	69,162.33	79,473.09
Add: Return on Equity	90%	10%	2,296.36	255.15	2,551.51
Less: Non-Tariff Income	0%	100%	0.00	123.36	123.36
Aggregate Revenue Requirement (ARR)			12,607.12	69,294.12	81,901.24

9. Wheeling Charges From Open Access Consumers

- 9.1.1. Clause 39.1 of the MYT (Transmission and Distribution) Regulations, 2019 provide that ARR/Tariff filing by the Distribution Licensee shall separately records for the Distribution Wires Business and Retail Supply Business and shall prepare an Allocation Statement to enable the Hon'ble Commission to determine the Tariff separately for the Distribution Wires Business and Retail Supply Business.
- 9.1.2. The wheeling charge has been computed on overall consolidated Discom basis keeping in line with the consistent philosophy of the Hon'ble Commission in past Tariff Orders and Clause 51 of the MYT (Transmission and Distribution) Regulations, 2019.

Table 9-1: Wheeling Charges for FY 2021-22

Wheeling Charges For FY 2021-22			
S. No	Particulars	Units	FY 2021-22
1	Wheeling ARR	Rs. Crores	12607.12
2	Retail sales (PVVNL, DVVNL, MVVNL, PuVVNL, KESCO)	MU	95608.34
3	Average Wheeling charge	Rs./kWh	1.32

Table 9-2: Voltage-wise Wheeling Charges for FY 2021-22

Voltage-Wise Wheeling Charges For FY 2021-22				
S. No.	Particulars	Units	% of Avg. wheeling charge	FY 2021-22
1	Connected at 11 kV			
i	Long Term	Rs./kWh	80%	1.055
ii	Medium Term	Rs./kWh	80%	1.055
iii	Short Term	Rs./kWh	80%	1.055
2	Connected above 11 kV			
i	Long Term	Rs./kWh	50%	0.659
ii	Medium Term	Rs./kWh	50%	0.659
iii	Short Term	Rs./kWh	50%	0.659

10. Cross Subsidy Surcharge

10.1.1. The cross-subsidy surcharge for Open Access consumers has been computed in accordance with the methodology specified in Clause 49 of the UPERC MYT (Transmission and Distribution) Regulations, 2019.

10.1.2. As per Clause 49.2 of the UPERC MYT (Transmission and Distribution) Regulations, 2019, the cross-subsidy surcharge is to be computed based on the difference between (i) the tariff applicable to the relevant category of consumers and (ii) the cost of the Distribution Licensees to supply electricity to the consumers of the applicable class. In case of a consumer opting for open access, the Distribution Licensees could be in a position to discontinue purchase of power at the margin in the merit order. Accordingly, the cost of supply to the consumer for this purpose is computed as the aggregate of (a) per unit weighted average cost of power purchase including meeting the Renewable Purchase Obligation; (b) transmission and distribution losses applicable to the relevant voltage level and commercial losses allowed by the Hon'ble Commission; (c) transmission, distribution and wheeling charges up to the relevant voltage level; and (d) per unit cost of carrying regulatory assets, if applicable.

10.1.3. The Petitioner has computed the cross-subsidy surcharge for the relevant consumer categories as per the formula prescribed in Clause 49.2 of UPERC MYT (Transmission and Distribution) Regulations, 2019, which is reproduced as follows:

$$S = T - [C / (1 - L/100) + D + R]$$

Where:

S is the Cross-Subsidy Surcharge;

T is the tariff payable by the relevant category of consumers, including reflecting the Renewable Purchase Obligation;

C is the per unit weighted average cost of power purchase by the Licensee, including meeting the Renewable Purchase Obligation;

D is the aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level;

L is the aggregate of transmission, distribution and commercial losses, expressed as a percentage applicable to the relevant voltage level;

R is the per unit cost of carrying regulatory assets:

Provided that the Cross-Subsidy Surcharge shall not exceed 20% of the Tariff applicable to the category of the consumers seeking Open Access."

10.1.4. The category-wise Cross Subsidy Surcharge computed by the Petitioner for FY 2021-22 as per above formula is as given in the Table below:

Table 10-1: Cross Subsidy Surcharge as per MYT (Distribution and Transmission) Regulations, 2019 for FY 2021-22

Cross Subsidy Surcharge For FY 2021-22																
S. No.	Categories	Revenue (Rs. Crore)	Sales (MU)	Average Billing Rate (T)* (Rs./kWh)	Wt. Avg. Pur. Cost (C)** (Rs./kWh)	Aggregate of Trasn., Dist. & Wh. Charges applicable to the relevant voltage level (Rs./kWh)					System Loss (% to the relevant voltage level)			Carrying Cost of Regulatory Assets (Rs./kWh) (R)	S=T-[C/(1-L/100)+D+R]	S*** (Rs./kWh)
						Transmission Charge		Distribution Charge	Wheeling Charge	Aggregate of Trasn., Dist. & Wh. Charges applicable to the relevant voltage level (D)	L1	L2	L3			
						Inter-State Trns. Charges	Intra-State Trns. Charges				PGCIL	UPPTCL	Dist.			
1	HV-1 (Supply at 11 kV)	3129.68	3198.06	9.79	4.60	0.564	0.238	0.475	1.055	2.33	2.94%	3.33%	8.00%	0.00	3.24	1.96
2	HV-1 (Supply above 11 kV)	716.68	552.37	12.97	4.60	0.564	0.238	0.475	0.659	1.94	2.94%	3.33%	2.10%	0.00	6.55	2.59
3	HV-2 (Supply upto 11 kV)	7101.22	8770.56	8.10	4.60	0.564	0.238	0.475	1.055	2.33	2.94%	3.33%	8.00%	0.00	1.55	1.55
4	HV-2 (Supply above 11 kV & upto 66 kV)	2088.16	2736.44	7.63	4.60	0.564	0.238	0.475	0.659	1.94	2.94%	3.33%	2.10%	0.00	1.21	1.21
5	HV-2 (Supply above 66 kV & above 132 kV)	622.66	845.69	7.36	4.60	0.564	0.238	0.475	0.659	1.94	2.94%	3.33%	0.00%	0.00	0.84	0.84
6	HV-3 (Supply below 132 kV)	18.16	16.21	11.20	4.60	0.564	0.238	0.475	0.659	1.94	2.94%	3.33%	0.18%	0.00	4.69	2.24
7	HV-3 (Supply at & above 132 kV)	18.21	16.85	10.81	4.60	0.564	0.238		0.000	0.80	2.94%	3.33%	0.00%			

Cross Subsidy Surcharge For FY 2021-22																
S. No.	Categories	Revenue (Rs. Crore)	Sales (MU)	Average Billing Rate	Wt. Avg. Pur. Cost (C)**	Aggregate of Transn., Dist. & Wh. Charges applicable to the relevant voltage level (Rs./kWh)					System Loss (% to the relevant voltage level)			Carrying Cost of Regulator	$S = T - [C / (1 - L/100) + D + R]$	S*** (Rs./kWh)
8	HV-4 (Supply at 11 kV)	365.42	407.68	8.96	4.60	0.564	0.238	0.475	1.055	2.33	2.94%	3.33%	8.00%	0.00	2.41	1.79
9	HV-4 (Supply above 11 kV upto 66kV)	279.68	289.65	9.66	4.60	0.564	0.238	0.475	0.659	1.94	2.94%	3.33%	2.10%	0.00	3.23	1.93
10	HV-4 (Supply above 66 kV upto 132 kV)	10.63	9.32	11.40	4.60	0.564	0.238	0.475	0.659	1.94	2.94%	3.33%	0.18%	0.00	4.89	2.28

11. Review and Appeal on the Tariff Orders for FY 2019-20 and FY 2020-21

- 11.1.1. It is submitted that some of the claim in the Petition for FY 2019-20 and FY 2020-21, was disallowed by the Hon'ble Commission in Order dated 03.09.2019 and 11.11.2020. The Petitioner has filed an Appeal bearing Appeal No. 389 of 2019 for FY 2019-20 and has also filed a Review Petition on Tariff Order for FY 2020-21 before the Hon'ble Commission and also filed an Appeal on Tariff Order for FY 2020-21 before the Hon'ble Appellate Tribunal. The impact of said Appeals will have a bearing in this Petition. In view thereof, it is submitted that the Petitioner's claim in the present Petition is without prejudice to its contentions in Appeals.

12. Prayers

The Petitioner humbly prays that the Hon'ble Commission may be pleased to:

- a) Admit the Petition accompanying Audited True-up for FY 2019-20, APR for FY 2020-21 and ARR for 2021-22;
- b) Allow the Petitioner to procure power through bilateral contracts/exchanges/short term contracts to maintain the desired schedule of supply in the License Area in case the power procurement from long term sources falls short of levels envisaged;
- c) Allow the Smart Meter OPEX expenses above the O&M expenses claim;
- d) Allow the O&M Expenses for FY 2020-21 and FY 2021-22 as submitted by the Petitioner, relaxing the UPERC (Distribution and Transmission) MYT Regulations, 2019;
- e) Allow the in principal approval of Capex schemes for FY 2021-22;
- f) Considering the aforesaid facts and circumstances the Hon'ble Commission may be pleased to allow UPPCL O&M expenses allocated to the Petitioner for FY 2020-21 and FY 2021-22;
- g) Determine the tariff for FY 2021-22 on the category/sub-category/slabs rationalisation as proposed in this Petition;
- h) Allow the Petitioner to add/change / alter / modify this application at a future date;
- i) To condone any inadvertent omissions/ errors/ shortcomings and permit the Petitioners to add/change/ modify/ alter this filing and make further submissions as may be required at a future date;
- j) To pass such Orders as deemed fit and proper in the facts and circumstances of the case in the interest of justice.

**OM
PRAKASH
DIXIT**

Digitally signed by
OM PRAKASH
DIXIT
Date: 2021.02.22
10:29:24 +05'30'

13. Annexure: 1 MYT Formats

***14. Annexure: 2 Letter Regarding
Extended time for holding of Annual
General Meeting (AGM) for the FY
2019-20***

भारत सरकार

कारपोरेट कार्य मंत्रालय
कार्यालय कम्पनी रजिस्ट्रार,
उत्तर प्रदेश,
37/17, वेस्टकाट बिल्डिंग, दि माल,
कानपुर - 208001 (उ.प्र.)
ई-मेल/E-mail : roc.kanpur@mca.gov.in



GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS
OFFICE OF REGISTRAR OF COMPANIES,
UTTAR PRADESH,
37/17, Westcott Building, The Mall,
Kanpur - 208001 (U.P.)
Phone No. 0512 & 2310323@2310443
e-mail roc.kanpur@mca.gov.in

No.ROC/KAN/AGM EXTN./2020/ 1105

Dated 08-9-2020

ORDER

Extension of time for holding of Annual General Meeting (AGM) for the financial year ended on 31.03.2020

1. Whereas sub-section (1) of section 96 of the Companies Act, 2013 (the Act) provides, inter-alia, that every company, other than a One Person Company, shall in each year hold in addition to any other meetings, a general meeting as its annual general meeting (AGM) and shall specify the meeting as such in the notices calling it, and not more than fifteen months shall elapse between the date of one AGM of a company and that of the next;
2. And whereas, the first proviso to sub-section (1) of section 96 of the Act provides that in case of the first AGM, it shall be held within a period of nine months from the date of closing of the first financial year of the company and in any other case, within a period of six months, from the date of closing of the financial year;
3. And whereas, the third proviso to Section 96(1) of the Act provides that the Registrar may, for any special reason, extend the time within which any annual general meeting, other than the first annual general meeting, shall be held, by a period not exceeding three months;
4. And whereas, various representations have been received from the Companies, Industry Bodies and Professional Institutes pointing out that several companies are finding it difficult to hold their AGM for the financial year ended on 31.03.2020 due to the difficulties faced in view of the Covid-19 Pandemic;

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5. And whereas, the representations have been considered and the undersigned is of the considered opinion that due to such unprecedented special reasons, the time within which the AGM for the financial year ended on 31.03.2020 is required to be held as per provisions of sub-section (1) of Section 96 ought to be extended in terms of the third proviso to section 96(1):

6. Now, therefore, in terms of power vested with the undersigned under the third proviso to sub-section (1) of section 96 of the Act, I hereby extend the time to hold the AGM, other than the first AGM, for the financial year ended on 31.03.2020 for companies within the jurisdiction of this office, which are unable to hold their AGM for such period within the due date of holding the AGM by a period of three months from the due date by which the AGM ought to have been held in accordance with the provisions of sub-section (1) to section 96 of the Act, without requiring the companies to file applications for seeking such extension by filing the prescribed Form No. GNL-1.


Explanation: It is hereby clarified that the extension granted under this Order shall also cover the:

- (i) pending applications filed in Form No. GNL-1 for the extension of AGM for the financial year ended on 31.03.2020, which are yet to be approved;
- (ii) Applications filed in Form No. GNL-1 for the extension of AGM for the financial year ended on 31.03.2020, which were rejected,

where the approval for extension of AGM upto 3 months from the due date of the AGM shall be deemed to have been granted by the undersigned without any further action on the part of the company.

Place: Kanpur

Date: 08.09.2020


(Sudhir Kapoor)
Registrar of Companies,
Uttar Pradesh, Kanpur

(सुधीर कापूर)
(SUDHIR KAPOOR)
कम्पनी रजिस्ट्रार उत्तर प्रदेश
Registrar of Companies U.P.
भारत सरकार / Govt. of India
कांपुर / Kanpur

***15. Annexure A-Allocation
methodology of UPPCL O&M
expenses among State Distribution
companies***