

जारी करने वाली शाखा भारतीय स्टेट बैंक
Issuing Branch: State Bank of India
कोड क्र. /CODE No: 12196
Tel No. 0542-2300100

मांगड्राफ्ट
DEMAND DRAFT

Key: SIBDIY
Sr. No: 432843

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मांगे जानेपर SACHIV U P VIDYUT NIYAMAK AAYOG LUCKNOW*****



या उनके आदेश पर
OR ORDER

ON DEMAND PAY

Twenty Three Lakh Only

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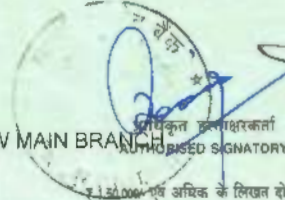
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STATE BANK OF INDIA

अदाकर्ता शाखा / DRAWEE BRANCH: LUCKNOW MAIN BRANCH

कोड क्र. /CODE No: 00125



Govind Mishra
BRANCH MANAGER
M-8/19

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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

**ANNUAL REVENUE REQUIREMENT
FOR FY 2016-17 AND TRUE UP
FOR FY 2013-14**



PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

भारतीय वैर न्यायिक

बीस रुपये

रु.20

Rs.20

INDIA

INDIA NON JUDICIAL



उत्तर प्रदेश UTTAR PRADESH

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BEFORE THE UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION
LUCKNOW

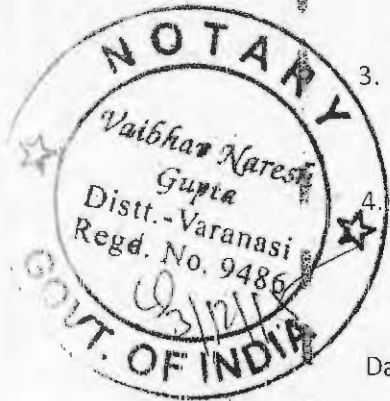
Filing No.....

Case No.....

IN THE MATTER OF Purvanchal Vidyut Vitaran Nigam Ltd. Varanasi, - filing of Annual
Revenue Requirement for FY 2016-17 and True-up for FY 2013-14.

I, A.K. Singh S/o Late Prem Mohan Singh do solemnly affirm and say as under:-

1. That I am the Managing Director of the above named Company and am authorized to make this affidavit on its behalf.
2. That I am filing the enclosed Annual Revenue Requirement for FY 2016-17 & True-up for FY 2013-14 along with other documents. The delay in submission may kindly be condoned.
3. That the Hon'ble Commission may kindly be pleased to accept the Annual Revenue Requirement & True-up petition and pass such necessary orders as it may deem necessary.
4. That Sri R.K. Verma, Director (Commercial) is being authorized to sign the enclosed Annual Revenue Requirement and related documents.



Date: 03 December, 2015

Before me-
SWORN & VERIFIED

(A.K. Singh)
DEPONENT

Vaibhav Nareish Gupta (Advocate)
NOTARY (Govt. of India)
Regd. No. 9486
Civil Courts Compound
Varanasi-(U.P.) INDIA

ने वल्लिगुणा भारतीय स्टेट बैंक
Branch: State Bank of India
CODE No. 12196
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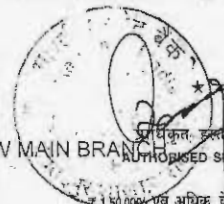


भारतीय स्टेट बैंक

STATE BANK OF INDIA

अदाकर्ता शाखा / DRAWEE BRANCH: LUCKNOW MAIN BRANCH

कोड क्र. / CODE No: 00125



Govind Mishra

Govind Mishra
BRANCH MANAGER
M-8719

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1. BACKGROUND AND PROCEDURAL HISTORY

1.1 BACKGROUND

The U.P. State Electricity Board (UPSEB) was unbundled in pursuance of a reform and restructuring exercise under the first reforms transfer scheme dated 14th January 2000, into three separate entities:

- Uttar Pradesh Power Corporation Limited (UPPCL) assigned with the function of Transmission and Distribution of power within the State.
- Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited (UPRVUNL) assigned with the function of Thermal Generation within the State.
- Uttar Pradesh Jal Vidyut Nigam Limited (UPJVNL) assigned with the function of Hydro Generation within the State.

Through another Transfer Scheme dated 15th January, 2000, assets, liabilities and personnel of Kanpur Electricity Supply Authority (KESA) under UPSEB were transferred to Kanpur Electricity Supply Company (KESCO), a company registered under the Companies Act, 1956.

Further unbundling of UPPCL (responsible for both Transmission and Distribution functions) was again felt after the enactment of the Electricity Act 2003 and four new distribution companies (hereinafter collectively referred to as "DisComs") were created vide Uttar Pradesh Transfer of Distribution Undertaking Scheme, 2003 viz.

- Dakshinanchal Vidyut Vitaran Nigam Limited (AGRA DisCom)
- Madhyanchal Vidyut Vitaran Nigam Limited (LUCKNOW DisCom)
- Paschimanchal Vidyut Vitaran Nigam Limited (MEERUT DisCom)
- Purvanchal Vidyut Vitaran Nigam Limited (VARANASI DisCom)

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 district Siddhartha Nagar, Maharajgunj, Basti, Sant Kabir Nagar, Gorakhpur, Kushinagar, Deoria, Azamgarh, Mau, Ballia, Ghazipur, Jaunpur, Varanasi, Chandauli, Sant Ravidas Nagar, Mirzapur, Sonebhadra, Allahbad, Kaushambi and Fatehpur.

1.2 DISTRIBUTION TARIFF REGULATIONS

Thereafter, the Uttar Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2006 (hereinafter referred to as the "Distribution Tariff Regulations") were notified by the Hon'ble Commission on 6th October, 2006.

These regulations are applicable for the purposes of Annual Revenue Requirement (ARR) filing and Tariff determination of all the distribution licensees' within the State of Uttar Pradesh.

1.3 ARR AND TARIFF ORDER FOR FY 2014-15 AND TRUE-UP ORDER FOR FY 2008-09 TO FY 2011-12

The True-up Petition for FY 2011-12 along-with ARR / Tariff Petition for FY 2014-15 and True up Petition for FY 2008-09 to FY 2010-11 was filed by PuVVNL under Sections 62 and 64 of the Electricity Act, 2003 on 29th November, 2013 and 13th May, 2013 respectively (Petition Nos. 919 / 2013 and 888 / 2013).

PuVVNL submitted the audited accounts of FY 2008-09 to FY 2011-12 and provisional accounts for FY 2012-13 along with the calculations of revenue gap for FY 2014-15 and the projected revenue for FY 2014-15 based on current tariff in its ARR Petitions. Further, the Rate Schedule was submitted later on 18th December, 2013.

The Commission admitted the above petitions of the licensee vide its Admittance Order dated 3rd June, 2014, directing the Petitioner to publish, within 3 days from the date of issue of that order, the Public Notice detailing the salient information and facts of the True-up Petitions for FY 2008-09 to FY 2011-12, ARR Petition for FY 2014-15 and the Rate Schedule (Tariff Proposed for different categories/ sub-categories of consumers) in at least two daily newspapers (one English and one Hindi) for two successive days for inviting views / objections by all stakeholders and public at large. The Commission had also directed the Petitioner to upload the response to the deficiency notes and all subsequent submissions on their website. Petitioner as per directive of the Commission's order published the salient feature of the above petition in various newspapers on 7th and 8th June, 2014 and also uploaded the same on the website of Licensee as well as UPPCL for public comments.

Further, the Commission conducted the public hearing in the above matter for PuVVNL on 14th July, 2014 at Varanasi.

The Petitioner in its true-up petition for FY 2008-09 to FY 2011-12 and ARR petition for FY 2014-15 has filed a total gap of Rs. 24,586.71 crore and Rs. 5,075.44 crore respectively for consolidated discoms namely MVVNL, PVVNL, PuVVNL and DVVNL. The total true-up and ARR gap filed for PuVVNL was to the tune of Rs. 6,446.11 crore.

The petitioner also filed a separate petition for allowance of balance 50% regulatory gap approved by the Hon'ble Commission in its True-up order dated 21st May 2013 for FY 2000-01 to FY 2007-08. In this reference the Commission, issued an Order on 6th June, 2014 for extension of the Regulatory Surcharge for the recovery of balance 50% of admitted Regulatory Asset in which the performance linked regulatory surcharge of 2.84% was approved by the Commission to recover the regulatory asset within 2 years.

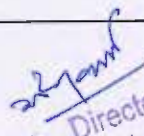
The Hon'ble Commission issued tariff Order on above petitions on date 01st October, 2014 conducting the final truing up for the financial years 2008-09 to 2011-12 along with the order determining the Annual Revenue Requirement and Tariff for FY 2014-15. After the increase in tariff and considering the additional subsidy requirement from GoUP, the Hon'ble Commission has approved a total gap of Rs. 11,940.38 Crore at consolidated Discoms level. The Commission for liquidation of the Regulatory asset has approved a separate regulatory surcharge of 2.38% to be applicable in the supply areas of DVVNL, MVVNL, PVVNL and PuVVNL. Such Regulatory Surcharge has been allowed considering the recovery of the Revenue Gap in about 20 years

Aggrieved by some aspects of the Tariff order dated 01st October, 2014, the Petitioner has filed an appeal before the Appellate Tribunal for Electricity, New Delhi on 14th November, 2014 against the Hon'ble Commission's order for Truing up of the Aggregate Revenue Requirement for the FY 2008-09 to FY 2011-12 and determination of ARR and Tariff for FY 2014-15. The major issues raised in the said appeal are as below:

- Adjustment of notional subsidy in the True-up for ARR and revenue for FY 2008-09 to FY 2011-12 and ARR for FY 2014-15
- Recovery of additional subsidy from the State Government
- Levying a Regulatory Surcharge of 2.38% on consumers towards amortization of the Net Revenue Gap for 20 years
- Linking of Regulatory Surcharge for subsequent years i.e. FY 2015-2016 with the actual performance of the current year i.e. FY 2014-15
- Allowance of carrying cost of 2.91% against the Regulatory Asset
- Exclusion of power to be purchased from Bajaj Energy Pvt Ltd, Co-generation Plants and Inter system exchange (Bilateral & PXIL, IEX) / UI
- Ignorance of Petitioner submission while approving the Power Purchase cost from URPVUNL and Rosa TPP

1.4 ARR AND TARIFF ORDER FOR FY 2015-16 AND TRUE-UP ORDER FOR FY 2012-13

The ARR / Tariff Petition for FY 2015-16 and True up Petition for FY 2012-13 was filed by the Petitioner under Sections 62 and 64 of the Electricity Act, 2003 on 8th December 2014 (Petition No. 990/2014).


Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

The Petitioner submitted the audited accounts of FY 2012-13 and provisional accounts for FY 2013-14 along with the calculations of revenue gap for FY 2015-16 and the projected revenue for FY 2015-16 based on current tariff in its ARR Petitions. Further, the Rate Schedule was submitted later on 2nd January 2015. The Petition was admitted on 23rd March 2015 and the Petitioner as per directive of the Commission's admittance order published the salient feature of the above petition in various newspapers on 26th and 27th March 2015 and also uploaded the same on the website of Licensee as well as UPPCL for public comments.

The Commission conducted combined public hearing in the above matter for all Distribution Licensees namely PuVVNL, PVVNL, MVVNL, DVVNL, KESCO, NPCL and Transmission Licensee namely UPPTCL on April 9, 2015 at Sitapur, April 15, 2015 at Ghaziabad, April 21, 2015 at Orai and on April 27, 2015 at Gorakhpur.

The Hon'ble Commission issued tariff Order on above petitions on 18th June 2015 conducting the final truing up for the financial year 2012-13 along with the order determining the Annual Revenue Requirement and Tariff for FY 2015-16. After the increase in tariff, provision of carrying cost on un-recovered gaps and considering the revenue from regulatory surcharge, the Hon'ble Commission had approved a total gap of Rs. 6,883.92 crore.

1.5 ARR PETITION FOR FY 2016-17

A combined reading of the Section 62 and 64 of the Electricity Act, 2003 and the UPERC (Terms and Conditions of Distribution Tariff) Regulations, 2006 require a distribution licensee to file its ARR Petition by November 30, 2015..

Accordingly, the Petitioner is hereby submitting its ARR Petition for FY 2016-17 which broadly covers the following:

- True up for FY 2013-14 based on audited accounts;
- Actual performance for the financial year 2014-15 based on provisional accounts;
- Revised estimates for the financial year 2015-16; and
- Proposed ARR for the financial year 2016-17.

1.6 STRUCTURE OF THE ARR PETITION FOR FY 2016-17

The structure of this ARR Petition is as under:

Chapter 1 Background and Procedural History

This contains a brief background and rationale used for the submission; major

issues that describe the structure of the submission.

Chapter 2 True up Petition for FY 2013-14

This section deals with the true up for each element of expenditure for FY 2013-14 based on audited accounts. It provides an analysis of the actual performance vis-à-vis the approved Tariff Orders numbers and also computes the trued up revenue gap which is proposed to be recovered along with the ARR for FY 2016-17.

Chapter 3 Progress of the Various Efficiency Improvement Measures taken by the Petitioner
This section summarizes the various system improvement measures taken by the Petitioner to improve commercial efficiencies in its area of supply and the progress of such steps over the years

Chapter 4 Capital Investment Plan

This section details the nature of scheme and the expected financial outlay towards the capital investment plan for FY 2016-17. Section also provides the estimates in respect of capital investment for FY 2015-16.

Chapter 5 Compliance of the Hon'ble Commission's Directives

This section lists the directives issued by the Hon'ble Commission in the previous tariff order and the status of their compliances.

Chapter 6 Load Forecast and Revenue Assessment

This includes actual sales for FY 2014-15, estimates for FY 2015-16 and forecasts for FY 2016-17. It also includes actual billing determinants for FY 2014-15, estimates for FY 2015-16 and projected billing determinants and revenue assessment for FY 2015-16 and 2016-17 by consumer category.

Chapter 7 ARR for Wheeling and Retail Supply Business

This includes the ARR forecast for FY 2016-17. The ARR also includes the revenue gap figures for the aforementioned years and the segregation of the ARR among Wheeling and Retail Supply Business.

Chapter 8 Treatment of the Revenue Gap

This sections deals with the treatment of the revenue gap

Chapter 9 Prayers

The main prayers are summarized in this section


Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W. Varanasi

2. TRUE UP PETITION FOR FY 2013-14

2.1 TRUE-UP SUMMARY FOR FY 2013-14

The Petitioner submits that the audited accounts for FY 2013-14 for the Petitioner have been enclosed along with this Petition. The Petitioner seeks true-up of expenses for the year 2013-14 as per the audited accounts as applicable for various heads of expenditure. The following table summarises the truing up computations for 2013-14 for approval by the Hon'ble Commission. The Petitioner also provides the details of truing up in the subsequent paragraphs:

Table 2-1: True Up Summary for FY 2013-14

(All figures in Rs Crore)

Particulars	Approved	Actual as per audited Accounts	True-up Petition
Power Purchase Expenses	6,895.07	7,966.35	6,801.58
Apportionment of O&M Expenses of UPPCL#	-	-	34.41
Transmission Charges	237.09	228.54	315.83
Employee Expenses	652.72	461.23	461.23
Repair and Maintenance Expenses	170.00	330.75	330.75
A&G Expenses	55.75	120.22	120.22
Gross Interest on Long Term Loans	135.05	318.46	273.78
Interest on Bonds	-	194.24	194.24
Interest to Consumer	38.94	34.74	34.74
Finance Charges	0.09	0.06	0.06
Interest on Working Capital	77.30	735.80	60.80
Discount to Consumers	0.04	-	-
Depreciation	277.39	212.99	354.62
Prior Period Expenses	-	718.94	718.94
Other Misc Expenses / Incomes	-	-	-
Provision for Bad and Doubtful Debts	-	(15.30)	136.66
Gross Expenditure	8,539.44	11,307.01	9,837.85
Less: Employee Capitalisation	97.91	218.62	218.62
Less: A&G Capitalisation	8.36	20.81	20.81
Less: Interest Capitalisation	31.06	15.00	15.00
Total Capitalisation	137.33	254.43	254.43
Net Expenditure	8,402.11	11,052.57	9,583.42
Less: Non-tariff Incomes	10.09	22.12	22.12
Annual Revenue Requirement	8,392.02	11,030.45	9,561.30
Revenue from Tariff incl DPS	6,261.57	5,044.45	5,044.45
GoUP Subsidy	1,621.16	1,707.54	1,707.54
Net Revenue Gap	509.28	4,278.47	2,809.32

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The Petitioner requests the Hon'ble Commission to allow truing up for FY 2013-14 as provided in the aforementioned table. The Petitioner is detailing the rationale for truing up of some of the key issues in the subsequent paragraphs.

2.1.1 POWER PURCHASE EXPENSE

One of the major cost components of the distribution companies is cost of power, which in the present instance relate to the costs incurred by UPPCL. For the purpose of truing up of power purchase cost of Discoms, we have to re-determine the bulk supply tariff based on the actual power purchased by UPPCL and actual cost incurred for such purchase.

In the Tariff Order for FY 2013-14, the Hon'ble Commission had approved the power purchase of 84,632.00 MU at UPPCL level. The Petitioner humbly submits that the actual power purchase in FY 2013-14 was 84,251.84 MU at a value of Rs. 33,233.64 crore at overall UPPCL level.

The Petitioner has claimed the power purchase cost during truing up based on the philosophy as mentioned below:

- It has calculated the allowable power purchase input by grossing up the actual energy received at the Discom end by the approved / actual transmission losses, whichever is lower.
- The allowable power purchase input has been multiplied by the revised bulk supply Tariff to derive the allowable power purchase cost for truing up.

Considering the aforementioned philosophy, the allowable power purchase expenses for determination of trued up Bulk Supply tariff for FY 2013-14 is Rs. 33,233.64 crore and trued up Bulk Supply Tariff is Rs. 4.16 per kWh as depicted in the table below:

Table 2-2: Allowable Power Purchase Input and Bulk Supply Tariff for FY 2013-14 under truing up

Particulars	Unit	Approved	Actual	True-up Petition
Power Purchase	MU	84,632.00	84,251.84	84,251.84
Transmission Loss	MU	4,451.00	6,665.72	4,431.01
Transmission Loss	%	5.26%	7.91%	5.26%
Energy available at Discom End	MU	80,181.00	77,586.12	79,820.83
Power Purchase Cost (including PGCIL charges)	Rs Crore	31,456.00	33,233.64	
Power Purchase Cost per unit	Rs/kWh	3.92	4.28	
Allowable Power Purchase Cost at Discom end	Rs Crore			33,233.64
Power Purchase Cost per unit at Discom end (BST)	Rs/kWh			4.16

The Hon'ble Commission in its True-up Order for FY 2008-09 to FY 2011-12 dated 01st October, 2014 as well as in the Order dated 18th June 2015 in Petition No. 990/2014 in respect of true-up for FY 2012-13 had considered a philosophy, wherein the efficiency target of Distribution loss level, had been considered as controllable parameter, and thereupon the power purchase cost

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consequent to under-achievement of Distribution loss was disallowed. To maintain consistency with the approach adopted by the Hon'ble Commission, the Petitioner has calculated the allowable power purchase input at discom end by grossing up the actual energy sales by the approved Distribution loss target or actual Distribution losses, whichever is lower. Thereafter, the allowable power purchase input has been multiplied by the Trued-up Bulk Supply Rate to derive the allowable power purchase cost for FY 2013-14 under truing up as shown in the table below:

Table 2-3: Trued up Power Purchase Cost for PuVVNL in FY 2013-14

Particulars	Unit	Approved	Actuals	True-up Petition
Power Purchase	MU	17,575.12	16,928.91	16,928.91
Sales	MU	13,709.00	12,742.52	12,742.52
Distribution Loss Target	%	22.00%	24.73%	22.00%
Allowable Power Purchase	MU			16,336.08
Trued up Bulk Supply Tariff	Rs/kWh			4.16
Allowable Power Purchase Cost	Rs Crore			6,801.58

2.1.2 TRANSMISSION CHARGES

In the Tariff Order for FY 2013-14 for the Petitioner, the Hon'ble Commission has approved the Transmission Charges of Rs. 237.09 crore (@ Rs. 0.135 per kWh) towards a projected power purchase of 17,575.12 MU.

As per the audited accounts, the Petitioner has incurred Rs. 228.54 crore towards transmission charges.

It is submitted that the trued up transmission charges payable to UPPTCL towards intra-state transmission are to the tune of Rs. 315.83 crore which have been computed by multiplying the allowable power purchase input of 16,336.08 MU (determined in foregoing section) by the trued up transmission charge of Rs. 0.193 per kWh which has been traced from the True-up Petition filed by the UPPTCL before the Hon'ble Commission for FY 2013-14.

Table 2-4: Allowable Intra-State Transmission Charges for FY 2013-14

Particulars	Unit	Approved	Actuals	True-up Petition
Units Wheeled	MU	17,575.12	16,928.91	16,336.08
Trued up Transmission Charge	Rs/kWh	0.135	0.135	0.193
Transmission Charges	Rs Crore	237.09	228.54	315.83

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Accordingly, the Petitioner submits that, against the approved intra-state transmission charges of Rs. 237.09 crore, the allowable transmission charges for FY 2013-14 are to the tune of Rs. 315.83 crore.

2.1.3 OPERATION AND MAINTENANCE EXPENSES

Operation and Maintenance Expenses (O&M expenses) comprises of employee expenses, repair and maintenance expenses and administrative and general expenses. Each element of O&M expenses have been examined in detail in the succeeding paragraphs.

The Petitioner submits that the actual gross employee expenses were Rs. 461.23 crore as against Rs. 652.72 crore approved by the Hon'ble Commission in the Tariff Order for FY 2013-14. The employee expenses capitalised as per audited accounts are to the tune of Rs. 218.62 crore as against Rs. 97.91 crore approved in the Tariff Order. Thus, the net employee expenses as per audited accounts are Rs. 242.61 crore as against Rs. 554.81 crore approved in the Tariff Order.

Further, the Petitioner submits that the actual gross A&G expenses were Rs. 120.22 crore as against Rs. 55.75 crore approved by the Hon'ble Commission in the Tariff Order for FY 2013-14. The A&G expenses capitalised as per audited accounts are to the tune of Rs. 20.81 crore against Rs. 8.36 crore approved in the Tariff Order. Thus, the net A&G expenses as per audited accounts are Rs. 99.42 crore as against Rs. 47.39 crore approved in the Tariff Order.

The actual repair and maintenance expenses for FY 2013-14 were Rs. 330.75 crore as against Rs. 170.00 crore approved by the Commission in the Tariff Order.

Accordingly, the Petitioner humbly submits that the O&M expenses be trued up considering the actual expenses incurred as per audited accounts.

The summary of the O&M expenses approved in the Tariff Order for FY 2013-14 vis-a-vis the actual expenses as per audited accounts and those claimed in the True up are shown in the table below:

Table 2-5: Operation & Maintenance Expenses FY 2013-14

(All figures in Rs Crore)

Particulars	Tariff Order	Actuals as per audited accounts	True-up Petition
Employee Expenses	652.72	461.23	461.23
Repair & Maintenance Expenses	170.00	330.75	330.75
Administrative and General Expenses	55.75	120.22	120.22
Gross Operation and Maintenance Expenses	878.48	912.21	912.21

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Particulars	Tariff Order	Actuals as per audited accounts	True-up Petition
Less: Capitalisation			
Employee Cost Capitalized	97.91	218.62	218.62
A&G Expenses Capitalized	8.36	20.81	20.81
Total Capitalization	106.27	239.43	239.43
Net Operation and Maintenance Expenses	772.21	672.78	672.78

2.1.4 INTEREST ON LONG TERM LOANS

Interest cost is an uncontrollable cost as the interest rate regime is determined by various external factors and the actual loans taken are consequential to the capital expenditure undertaken by the Petitioner.

The Hon'ble Commission in its previous tariff and true-up orders had considered a normative tariff approach with a gearing of 70:30. Considering this approach, 70% of the capital expenditure undertaken in any year was considered to be financed through loan and balance 30% was been considered to be financed through equity contributions. The portion of capital expenditure financed through consumer contributions, capital subsidies and grants was separated and the depreciation and interest thereon was not charged to the consumers & beneficiaries. 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 gearing ratio of 70:30 and allowable depreciation was considered as normative loan repayment.

The Petitioner for the purpose of this true up petition for FY 2013-14 has claimed the interest and finance charges based on the same philosophy.

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 in FY 2013-14. The details are provided in the table below:

Table 2-6: Capital Investments in FY 2013-14

(All figures in Rs Crore)

Particulars	Derivation	2013-14
Opening WIP as on 1st April	A	1303.80
Investments	B	1689.50
Employee Expenses Capitalisation	C	218.62
A&G Expenses Capitalisation	D	20.81

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Particulars	Derivation	2013-14
Interest Capitalisation on Interest on long term loans	E	15.00
Total Investments	F= A+B+C+D+E	3247.74
Transferred to GFA (Total Capitalisation)	G	2677.07
Closing WIP	H= F-G	570.67

The table below summarises the amounts received towards consumer contributions, capital grants and subsidies in FY 2013-14:

Table 2-7: Consumer Contributions, Capital Grants and Subsidies in FY 2013-14

(All figures in Rs Crore)

Particulars	True up Petition
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	987.38
Additions during the year	181.42
Less: Amortisation	59.94
Closing Balance	1,108.86

Thus, the eligible financing of the capital investment is depicted in the table below:

Table 2-8: Financing of the Capital Investments in FY 2013-14

(All figures in Rs Crore)

Particulars	Derivation	True up Petition
Investment	A	1,689.50
Less:		-
Consumer Contribution	B	181.42
Investment funded by debt and equity	C=A-B	1,508.09
Debt Funded	70%	1,055.66
Equity Funded	30%	452.43

Thus, from the above tables it is seen, that the Petitioner has made an investment of Rs. 1,689.50 crore in FY 2013-14. The consumer contributions, capital subsidies and grants received during the corresponding period is Rs. 181.42 crore. Thus, balance Rs. 1,508.09 crore have been funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 1,055.66 crore or 70% of the capital investment is approved to be funded through debt and balance 30% equivalent to Rs. 452.43 crore through equity. Allowable depreciation for the year has been considered as normative loan repayment.

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The actual weighted average rate of 13.90% has been considered for computing the eligible interest expenses. The opening balance of long term loan has been considered from the actual loan balances as per the audited financial statements for FY 2013-14.

Considering the above, the gross interest on long term loan is Rs. 273.78 crore. The interest capitalisation has been considered at the same rate as per audited accounts. The computations for interest on long term loan are depicted below:

Table 2-9: Allowable Interest on Long Term Loan for FY 2013-14

(All figures in Rs Crore)

Particulars	2013-14
Opening Loan	1,618.88
Loan Additions (70% of Investments)	1,055.66
Less: Repayments (Depreciation allowable for the year)	354.62
Closing Loan Balance	2,319.93
Weighted Average Rate of Interest	13.90%
Interest on long term loan	273.78
Interest Capitalisation Rate	5.48%
Less: Interest Capitalized	15.00
Net Interest Charged	258.78

2.1.4.1 INTEREST ON CONSUMER SECURITY DEPOSITS

In terms of the Regulation 4.8(3) of the Distribution Tariff Regulation, the Licensee has to pay interest to the consumers at bank rate or more on the consumer security deposit. Further, section 47(4) of the Electricity Act 2003, states that "the distribution licensee shall pay interest equivalent to the bank rate or more, as may be specified by the concerned state Commission, on the security referred to in sub-section (1) and refund such security on the request of the person who gave such security"

The Petitioner humbly submits that the actual interest on consumer security deposit paid in FY 2013-14 is to the tune of Rs. 34.74 crore as against Rs. 38.94 crore approved in the Tariff Order. It is humbly prayed that the variation may be allowed in the true up.

2.1.4.2 BANK AND FINANCE CHARGES

The Petitioner humbly submits that it has incurred bank and finance charges to the tune of Rs. 0.06 crore as per audited accounts towards expenditures like bank charges, finance charges, etc and the same be allowed in the true up for FY 2013-14.

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2.1.4.3 INTEREST ON WORKING CAPITAL

In the Tariff Order for FY 2013-14, the Hon'ble Commission had allowed Rs. 77.30 crore towards interest on working capital. The Distribution Tariff Regulations provide for the normative interest on working capital based on the methodology outlined in the Regulations. Accordingly, the Petitioner hereby claims Rs. 60.80 crore towards interest on working capital for FY 2013-14 as computed in the table below:

Table 2-10: Allowable Interest on Working Capital for FY 2013-14

(All figures in Rs Crore)

Particulars	Derivation	True up Petition
O&M Expenses		
Employee Expenses		461.23
R&M Expenses		330.75
A&G Expenses		120.22
Total O&M Expenses	A	912.21
One Month's O&M Expenses	$B = 1/12 \text{ of } A$	76.02
Book Value of Stores	C	168.50
One twelfth of the sum of book value of the material in stores	$D = 1/12 \text{ of } C$	14.04
Receivable equivalent to 60 days average billing of consumers	E	829.22
Less: Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	F	432.89
Total Working Capital Requirement	G = B + D + E - F	486.40
Interest rate	H	12.50%
Interest on working capital	I = G x H	60.80

The following table summarises the interest and finance charges claimed by the Petitioner as against those approved by the Commission in the Tariff Order for FY 2013-14:

Table 2-11: Allowable Interest and Finance Charges for FY 2013-14

(All figures in Rs Crore)

Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
A: Interest on Long Term Loans			
Gross Interest on Long Term Loan	135.05	318.46	273.78
Interest on Bonds	0.00	194.24	194.24

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Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
Less: Interest Capitalisation	31.06	15.00	15.00
Net Interest on Long Term Loans	103.99	497.69	453.02
B: Finance and Other Charges			
Interest on Consumer Security Deposits	38.94	34.74	34.74
Bank Charges	0.09	0.06	0.06
Discount to Consumer	0.04	0.00	0.00
Finance Charges	0.00	0.00	0.00
Total Finance Charges	39.07	34.80	34.80
C: Interest on Working Capital	77.30	735.80	60.80
Total (A+B+C)	220.35	1268.29	548.62

2.1.5 DEPRECIATION

The actual depreciation expense charged in the audited accounts is Rs. 212.99 crore. However, the same has been accounted for considering the depreciation rates prescribed by the Companies Act, 1956.

The Petitioner has computed the allowable depreciation expense on the GFA base as per audited accounts for FY 2013-14 and at the rates approved by the Commission in the Tariff Order for FY 2013-14 i.e., @ 7.84%. 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.

Considering this philosophy, the gross entitlement towards depreciation has been computed at Rs. 414.55 crore.

Table 2-12: Gross Allowable Depreciation for FY 2013-14

(All figures in Rs Crore)

Particulars	Opening GFA	Additions to GFA	Deductions to GFA	Closing GFA	Depreciation Rates considered	Allowable Depreciation
Land & Land Rights						
i) Unclassified	-	-	-	-		-
ii) Freehold Land	-	-	-	-		-
Buildings	50.13	2.19	-	52.32	7.84%	4.02
Other Civil Works	-	-	-	-	7.84%	-

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Particulars	Opening GFA	Additions to GFA	Deductions to GFA	Closing GFA	Depreciation Rates considered	Allowable Depreciation
Plants & Machinery	1,059.86	1,689.13	606.17	2,142.82	7.84%	125.55
Lines, Cable Network etc.	1,268.79	985.27	9.67	2,244.39	7.84%	137.72
Vehicles	0.08	-	-	0.08	7.84%	0.01
Furniture & Fixtures	0.30	-	-	0.30	7.84%	0.02
Office Equipments	1.34	0.47	-	1.82	7.84%	0.12
Jeep & Motor Car	-	-	-	-		-
Assets taken over from Licensees pending final Valuation	-	-	-	-		-
Total	2,380.51	2,677.07	615.85	4,441.73		267.43
Fixed Asset as per Transfer Scheme	1,876.52	-	-	1,876.52	7.84%	147.12
GRAND TOTAL	4,257.03	2,677.07	615.85	6,318.25	7.84%	414.55

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. This equivalent depreciation amounting to Rs. 59.94 crore has been reduced from the allowable depreciation for FY 2013-14.

Thus the allowable depreciation for FY 2013-14 is Rs. 354.62 crore as depicted in the table below:

Table 2-13: Net Allowable Depreciation for FY 2013-14

(All figures in Rs Crore)

Particulars	Actual as per audited accounts	True-up Petition
Gross Allowable Depreciation	272.92	414.55
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	59.94	59.94
Net Allowable Depreciation	212.99	354.62

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2.1.6 PRIOR PERIOD EXPENSES

The Petitioner submits that it prepares its financial statements in compliance with Generally Accepted Accounting Principles (GAAP's) and Accounting Standards issued by Accounting Standards Board of Institute of Chartered Accountants of India.

There are certain prior period items which have been identified and incorporated in the audited financial statements for 2013-14. As per Accounting Standards (AS 5) (Revised) on 'Net Profit or Loss for the Period, Prior Period Items and Changes in Accounting Policies' states:

'Prior period items are income or expenses which arise in the current period as a result of errors or omissions in the preparation of the financial statements of one or more prior periods'

In the audited financial statements of the Petitioner for FY 2013-14, there has been recognition of prior period incomes of Rs. -377.14 crore and expenses of Rs 341.80 crore, thereby increasing the eligible true-up by Rs. 718.94crore.

The following table provides the detailed break-up of the prior period items for FY 2013-14 as per audited accounts

Table 2-14: Prior Period Items for FY 2013-14

(All Figures in Rs Crore)

Particulars	True-up petition
Income	
Receipt from consumers	(379.11)
Interest & Finance other Charges	1.97
Sub-Total A	(377.14)
Expenditure	
Employee Cost	0.60
Depreciation Previous Years	278.05
Interest & Finance Charges	62.89
Interest and Finance Charges	
Admn. Expenses	0.26
Sub-Total B	341.80
Net prior period Credit/(Charges) : A-B	718.94

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2.1.7 PROVISION FOR BAD AND DOUBTFUL DEBTS

The Tariff Order for FY 2013-14 did not allow any amounts towards Provision for Bad and Doubtful Debts. The Petitioner humbly submits that such expenses are legitimate business expenses. It is further submitted that provision for bad & doubtful debts are accepted accounting principle even in sector like Banking where the provisioning of un-collectable dues are considered as a normal commercial practice.

The entitlement towards provision for bad and doubtful debts has been computed at 2% of the closing revenue receivables as per audited accounts of the relevant financial year.

Table 2-15: Allowable Provision for Bad and Doubtful Debts

(All Figures in Rs Crore)

Particulars	Rs Crore
Total Revenue Receivables from Retail Sales	6,832.94
% of Provision for Bad and Doubtful Debts	2%
Provision for Bad and Doubtful Debts	136.66

2.2 REVENUE SIDE TRUING UP**2.2.1 REVENUE FROM SALE OF POWER**

The Hon'ble Commission had projected revenue from sale of power of Rs. 6,261.57 crore for FY 2013-14. The audited accounts have reported the actual revenue from sale of power to be Rs. 5,044.45 crore (including delayed payment surcharge) towards electricity sales of 12,742.52 MU.

2.2.2 NON TARIFF INCOMES

The Petitioner submits that against the projected non tariff incomes of Rs. 10.09 crore in the Tariff Order, the actual non tariff incomes have been Rs. 22.12 crore.

2.2.3 GOUP SUBSIDY

In the Tariff Order for FY 2013-14, the Hon'ble Commission had projected the revenue subsidy from GoUP to be Rs. 1,621.16 crore. However the actual subsidy received from GoUP by the Petitioner is Rs. 1,707.54 crore.

2.2.4 AGGREGATE REVENUE REQUIREMENT FOR FY 2013-14 AFTER TRUING UP

The Aggregate Revenue Requirement for FY 2013-14 after final truing up is summarised in the Table below:

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Table 2-16: ARR for FY 2013-14 after Final Truing Up

(All figures in Rs Crore)

Particulars	Approved	Actual as per audited Accounts	True-up Petition
Power Purchase Expenses	6,895.07	7,966.35	6,801.58
Apportionment of O&M Expenses of UPPCL#	-	-	34.41
Transmission Charges	237.09	228.54	315.83
Employee Expenses	652.72	461.23	461.23
Repair and Maintenance Expenses	170.00	330.75	330.75
A&G Expenses	55.75	120.22	120.22
Gross Interest on Long Term Loans	135.05	318.46	273.78
Interest on Bonds	-	194.24	194.24
Interest to Consumer	38.94	34.74	34.74
Finance Charges	0.09	0.06	0.06
Interest on Working Capital	77.30	735.80	60.80
Discount to Consumers	0.04	-	-
Depreciation	277.39	212.99	354.62
Prior Period Expenses	-	718.94	718.94
Other Misc Expenses / Incomes	-	-	-
Provision for Bad and Doubtful Debts	-	(15.30)	136.66
Gross Expenditure	8,539.44	11,307.01	9,837.85
Less: Employee Capitalisation	97.91	218.62	218.62
Less: A&G Capitalisation	8.36	20.81	20.81
Less: Interest Capitalisation	31.06	15.00	15.00
Total Capitalisation	137.33	254.43	254.43
Net Expenditure	8,402.11	11,052.57	9,583.42
Less: Non-tariff Incomes	10.09	22.12	22.12
Annual Revenue Requirement	8,392.02	11,030.45	9,561.30
Revenue from Tariff incl DPS	6,261.57	5,044.45	5,044.45
GoUP Subsidy	1,621.16	1,707.54	1,707.54
Net Revenue Gap	509.28	4,278.47	2,809.32

The Petitioner requests the Hon'ble Commission to consider the revenue side true-up and expense side true-up as per the aforementioned sections wherein the net revenue gap has been computed at Rs. 2,809.32 crore. The Petitioner humbly requests the Hon'ble Commission to consider the same along with the ARR for FY 2016-17.

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3. PROGRESS OF VARIOUS EFFICIENCY IMPROVEMENT MEASURES UNDERTAKEN

As per the directives and guidelines specified by the Hon'ble Commission towards efficiency improvement, the Petitioner has made concerted efforts to improve its operations and is committed to implement a number of technical and commercial measures in this direction in FY 2015-16 (current year) and FY 2016-17 (ensuing year). The objective of efficiency improvement programme would be to ensure a reliable distribution system and enhance the quality of supply to consumer as well as to reduce technical & commercial losses of the Petitioner. The initiatives undertaken are:

SYSTEM IMPROVEMENT INITIATIVES

The initiatives undertaken by the petitioner for system improvement & collection efficiency improvement involve following activities:

3.1 ENHANCEMENT OF CAPACITY OF EXISTING 33KV SUBSTATIONS

At some grid substations, existing power transformers are of lesser capacity and loaded beyond their rating. Hence it is required to augment these Power Transformers so that loading can be reduced. Augmentation will help in:

- a. Reliable Supply.
- b. Prevention of frequent failures.
- c. Reduction of overloading in 11KV Line.
- d. Down time reduction.
- e. Catering to the Load growth.

3.2 CONSTRUCTION OF NEW 33KV SUBSTATIONS

In order to meet bulk load requirement & continuous increase in load demand in particular area new substations are commissioned. The voltage is tapped at 33kV level and is stepped down to 11kV with the use of power transformers. From power transformer, a number of 11kv feeders are taken, depending upon the capacity of the transformer. On Commissioning of new 33kV substation at suitable location, the length of the 11kV feeder is reduced and the network is optimally loaded.

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3.3 ADDITION OF NEW TRANSFORMERS

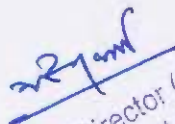
At those grid substations where existing power transformer are loaded beyond their capacity and such transformers cannot be upgraded to higher capacity, hence it is required to install new power transformer to share the load and relieve the loaded transformers. Addition of new transformer at various grid substations will reduce over loading at the substation & consequently improve the system reliability.

3.4 OTHER INITIATIVES

1. Capacity enhancement of Distribution substation and strengthening the distribution system to be compatible to load growth.
2. Distribution Automation: It is envisaged that 33kV and 11kV feeders shall be automated through distribution SCADA system in phases to monitor automatically the operation of feeders for over loading of feeders, tripping etc.
3. Replacement of old conductors.
4. Replacement of damaged poles.
5. Rural Feeder Separation: Petitioner has undertaken rural feeder separation program to ensure scheduled supply to the agriculture sector.

3.5 COMMERCIAL PROCESS IMPROVEMENT

- a. For proper accounting of energy & reducing chances of theft, double metering system is being implemented & is yielding encouraging results.
- b. For speedy redressal of consumer grievances, call centre has been established and Control rooms have been set up.
- c. In all theft prone areas overhead conductor are being replaced with ABC (Aerial Bunched Conductor). This has helped in the reduction of line losses and break-downs and has resulted in better quality of supply & consumer satisfaction.
- d. Provision of periodic checking of all static and trivector meters installed in high value consumers premises.
- e. Special drive to check the cases of theft/unauthorized use of electricity/checking of excess load being carried out in different distribution divisions by officers of the Petitioner.
- f. Special team of headquarter Engineers and Vigilance teams comprising of Petitioner's officers and Police personnel's have been formed in each circle. With these teams surprise raids are conducted to direct theft of energy/Katiya connections. A Snapshot of such drive carried out by the Vigilance Team is presented in table below:

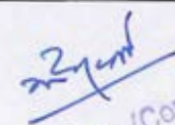

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- g. Special camps are organized to collect revenue from the consumers to solve their problems on the spot.
- h. Regularization of illegal connections and ledgerisation of unledgerised connections is being monitored to arrest revenue loss.
- i. NA/NR/IDF/ADF meters are being monitored and defective meters are being changed. Timely efforts are being made to install meters on all distribution transformers.
- j. Works of hand held billing, disconnection and reconnection works are being done with the help of external agencies. The system coverage has improved with the implementation of hand held metering /billing devices.
- k. Further petitioner is planning to use various Information Technology (IT) initiatives to drive operational efficiency improvement. Web based billing /payment is one of the initiatives. In this facility consumer can log on the designated web site of the service provider and by punching a key word provided in the bill consumer can view their complete bill and payment can be made accordingly.

3.6 DEDICATED 24X7 CALL CENTRE

A centralized call centre has been launched to improve customer services, increase staff efficiency and provide a single-window clearance mechanism for all customer complaints. The call centre is designed to address consumer complaints regarding power outages, wrong billing, payments, metering, etc.

The redressal time frame for different complaints categories range from four hours to 15 days, and unaddressed complaints are forwarded to every subsequent higher officials till being addressed. The software also generates MIS reports of the lodged and solved complaints as well as officer-wise defaulter lists, which are monitored at the highest level. This system is also integrated with SMS facilities for consumers/officers at the time of registration as well as redressal.


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4. INVESTMENT PLAN DETAILS

Large investments have been planned in order to reduce T&D losses and to maintain reliable supply. In past the desired results could not be obtained due to severe fund constraints. To achieve the desired objective an aggressive investment plan has been envisaged. While in most of the schemes the objective is to strengthen/up-grade the distribution system, some scheme will also help in reducing AT&C losses, the full benefit of the capital expenditure incurred in respect to the reduction of AT&C losses will however accrue over a period of next few years. The proposed expenditure plan has been aimed with following objective:

- Strengthening and refurbishment of system to improve the reliability of supply.
- Undertaking system improvement to meet the demand growth.
- For reducing the distribution losses.
- Carry out automation and other improvement work to enhance customer service.
- Undertake investment to cater social need such as electrification in left over area of villages.
- Carry out customer deposit work.

The various schemes under which the capital expenditure programs are envisaged are detailed below:

4.1 R-APDRP

Ministry of Power, Govt. of India, has launched the Restructured Accelerated Power Development and Reforms Programme (R-APDRP) in the XI Five year Plan. Power Finance Corporation Limited (PFC) has been designated by GoI as the Nodal Agency for the programme. The programme spans from data acquisition at distribution level till monitoring of results of steps taken to provide an IT backbone and strengthening of the Electricity Distribution system across the Country under the programme. The objective of the programme is reduction of AT&C losses to the extent of 15% in project areas.

The project under the scheme shall be taken up in two parts. Part-A shall include the project for establishment of base line data and IT application for energy accounting /auditing and IT based consumer service centre. Part-B shall include regular distribution strengthening projects. The activities covered under each part are as follows:

Part -A of the scheme essentially covers the application of information technology in distribution utilities across the country. The scheme shall involve implementation of IT modules for data acquisition, new connections/disconnection, energy accounting & audit, Overloading and unbalancing of Distribution Transformer, network analysis management, Maintenance management, Asset management, MIS, metering, billing, collection etc. The programme also

encompasses implementation of SCADA/DMS, GIS based Consumer Indexing & Asset mapping etc. This entire exercise is being aimed to establish Base line Data collection system for the distribution utilities through which they would be able to capture AT&C losses in a precise manner without manual intervention and also to plan & implement corrective measures in Part B

Part-B of the scheme covers system strengthening, improvement and augmentation of distribution system. This shall involve:-

- Identification of high loss areas
- Preparation of investment plans for identified areas
- Implementation of plan
- Monitoring of Losses

4.2 RURAL ELECTRIFICATION PROGRAMME (RGGVY)

Rural Electrification Program- RGGVY contemplates electrification of villages and strengthening the existing network in the rural areas to achieve universal access to electricity for all households. Under this scheme following work is performed:

- Electrification of un-electrified hamlets
- Strengthening of Distribution system under RGGVY for providing electricity to all BPL household
- Electrification of villages electrified as per CEA
- Conversion of villages/hamlets electrified from LT mains to HVDS
- Providing electricity to all rural households including free connection to BPL households
- Strengthening of Rural electricity Distribution backbone
- Electrification of remote villages (Stand alone)

Under RGGVY, program central government provides a grant of 90% of the project cost for each scheme of village electrification and the balance 10% of the fund is provided by the State Government. However, the GoUP provides entire fund required for schemes under the RGGVY programme in the form of equity to the DisCom.

4.3 ENERGISATION OF PRIVATE TUBE WELLS (PTW)

To cope up with the growing demand of agriculture in the State, electrification of private tube wells has always been of much importance. The GoUP provides support for this scheme. Under this scheme GoUP allots area wise targets for energisation of PTW & accordingly allocates fund for this purpose.

4.4 OTHER SCHEMES

A large part of the distribution network is very old and needs major overhauling or replacement. Petitioner has identified some major assets that are in dire need of replacement. Major items covered under the requirement of replacement are poles, overhead conductors, wires, and switchgears. This is important for reducing losses and in reduction of occurrence of accidents

Apart from replacement of the old and dilapidated assets there are ongoing requirement of network and infrastructure augmentation to cater to the load growth occurring due to regular increase in load in existing set-up as well as due to large-scale electrification of rural areas. Also, there is a significant requirement of improving the systems and processes of the distribution business of the petitioner to achieve better efficiency of operations, e.g. billing accuracy and procedure, material and financial management etc. Therefore the petitioner has also planned to invest significantly in IT systems for achieving such objectives.

4.5 AUGMENTATION OF DISTRIBUTION NETWORK

For any distribution system it is important to augment the network on a continual basis to cater to the load growth and achieving optimal operating efficiency of the distribution equipment. With the increasing demand of power and to balance the load distribution, sub-stations are being identified where capacity enhancement is required. Strengthening of LV/HV distribution network is being undertaken with the objective of providing reliable power, reduced load shedding and reducing down time.

4.6 METERING OF CONSUMERS

Large number of meters are required for providing new connections as well as for replacement of defective meters for effective energy accounting. At present large section of the consumers are not correctly metered due to defective metering. This needs immediate replacement. Presently the Petitioner is releasing all the new connections with meters. In addition to investment on replacement and installation of meters, investment in respect of installation of 3-phase meters and investment in respect of double metering of high value consumers is being undertaken in the current year and is also projected in the ensuing year.

4.7 INSTALLATION OF AERIAL BUNCHED CONDUCTORS

Unauthorized consumption of electricity is the most important area of concern for the petitioner. The major component of losses in distribution is commercial losses, which is primarily due to theft. In order to reduce the same the existing over head lines are envisaged to be replaced by Aerial Bunched Conductors (ABC) which is less prone to theft.

4.8 CONSUMER DEPOSIT WORKS

The quantum of funds towards the deposit work to be carried is dependent on the request of the consumers. Such requests of execution of deposit work are expected from various Government Department and privates entities.

4.9 CAPITAL INVESTMENT PLAN FOR FY 2015-16 AND 2016-17

The estimates in respect of capital expenditure being undertaken in FY 2015-16 and FY 2016-17 are summarized in the table below

Table 4-1: Capital Expenditure in FY 2015-16 (Rs Crore)

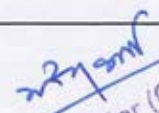
Description	Qty	Capital Expenditure			
		Loans	Equity / Internal Accruals	Deposit Works	Total
Construction of New 33/11 KV Substation & related Lines					
Capacity Enhancement of 33 KV Substations	120Nos.	93.35	40.01		133.35
Strengthening of 33 KV Lines	80KM	26.62	11.41		38.03
Construction of New 33/11 KV Substation	55Nos.	173.65	74.42		248.07
11 KV Works					
Strengthening of 11 KV Lines	120KM	22.96	9.84		32.80
Construction of 11/0.4 KV Substation	2000Nos.	43.01	18.43		61.45
Replacement of 11 KV Switchgear	1200Nos.	17.97	7.70		25.67
Installation of Meters	250000Nos.	67.61	28.97		96.58
Double Metering of Consumers	7050Nos.	15.41	6.60		22.01
Arial Bunch Conductor	1400KM	89.69	38.44		128.12
Electrification of Important Villages/Mazare	350KM	43.68	18.72		62.40
Removal of 33/11kV system from 220/132kV Sub station	15Nos.	43.68	18.72		62.40
Construction of 33kV link line(Overhead lines & underground Cable)	350KM	43.68	18.72		62.40
Construction of 11kV Link line(Over head & underground cable)	2400KM	83.28	35.69		118.97
Strengthening of 33/11 kV Switchyard and Control Room	200Nos.	17.47	7.49		24.96
Installation of 11kV breaker at 33/11kV Sub station	200Nos.	13.31	5.70		19.02
Replacement of Wooden Poles/ Cross Arms	15000Nos.	2.50	1.07		3.57
Replacement of damaged Poles	45000Nos.	37.44	16.05		53.48
Earthing of Transformers	5600Nos.	12.38	5.31		17.69
Metering of Distribution Transformers	2000Nos.	59.65	25.57		85.22
Replacement of Jarjar Tar	7000KM	99.01	42.43		141.44
Plinth & Fencing	3500Nos.	21.13	9.06		30.19
Guarding of Lines	400KM	6.66	2.85		9.51
Civil Works at Substations	134Nos.	21.22	9.09		30.31

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Description	Qty	Capital Expenditure			
		Loans	Equity / Internal Accruals	Deposit Works	Total
Installation of 33kV control panel, breaker & CT at 33/11kV Sub station	125Nos.	20.80	8.91		29.71
R- APDRP Part A		36.55	15.67		52.22
R- APDRP Part B		159.42	68.32		227.75
Deposit Works				320.70	320.70
Total		1272.12	545.19	320.70	2138.02

Table 4-2: Proposed Capital Expenditure in FY 2016-17 (Rs Crore)

Particulars	Capital Investment Plan			
	Loans	Equity / Internal Accruals	Deposit Works	Total
Arial Bunch Conductor	30.68	13.15		43.82
Construction of New 33/11kV substation	57.11	24.48		81.59
Capacity enhancement of 33kV Substation	30.97	13.27		44.24
Removal of 11kV system from 220/132kV Substation (by construction of 33kV Substation)	7.79	3.34		11.13
Construction of 33kV link line(Overhead lines & underground Cable)	8.26	3.54		11.81
Replacement of old & damaged 33kV cable with new cable	5.03	2.16		7.19
Installation of 33kV control panel, breaker & CT at 33/11kV Sub station	3.93	1.69		5.62
Construction of 11kV Link line(Over head & underground cable)	11.33	4.86		16.18
Replacement of old & damaged 11kV cable with new cable	4.15	1.78		5.92
Guarding of 33 & 11Kv Line	1.27	0.54		1.81
Capacity enhancement of distribution Transformer	12.67	5.43		18.10
Replacement of Jarjar Tar	17.63	7.55		25.18
Replacement of damaged pole	4.73	2.03		6.75
Erection of new pole between long span	2.36	1.01		3.38
Replacement of wooden cross-arm	0.47	0.20		0.68
Construction of 11/.4 kV substation	14.16	6.07		20.23
Double metering of consumers	0.00	0.00		0.00
10 to 50 kVA	1.69	0.73		2.42
50 to 100kVA	0.70	0.30		1.00


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Particulars	Capital Investment Plan			
	Loans	Equity / Internal Accruals	Deposit Works	Total
100 to 500 kVA	0.26	0.11		0.37
Above 500kVA	0.03	0.01		0.04
Repair of 11kV Switch gear	3.20	1.37		4.57
Construction of Plinth of Distribution Transformer	0.81	0.35		1.15
Fencing of Distribution Transformer	3.02	1.29		4.31
System Augmentation of Distribution Network	388.33	166.43		554.76
Power Transformer	0.43	0.18		0.61
Distribution Transformer	1.74	0.74		2.48
Single Phase Meter	6.30	2.70		9.00
Three Phase Meter	12.58	5.39		17.97
RGGVY (Phase- II)	516.73	221.45		738.18
R- APDRP Part A	39.73	17.03		56.75
R- APDRP Part B	159.42	68.32		227.75
Deposit Work	0.00	0.00	325.00	325.00
Total	1347.50	577.50	325.00	2250.00

5. COMPLIANCE OF HON'BLE COMMISSION'S DIRECTIVES

The Hon'ble Commission had issued certain directives to the Petitioner in the FY 2015-16 tariff order dated 18th June, 2015. The Petitioner submits the status of compliance of the directives as follows..

Table 5-1: Status of Compliance of the Directives issued vide Order dated 18.06.2015

Ref Sl No	Description of Directive	Status of Compliance
1	The Commission directs the Licensee to pressingly pursue the GoUP for finalisation of the Transfer Scheme and submit a copy of the same.	The Petitioner humbly submits that efforts are already underway as regards finalization of transfer schemes, line pending for notification by the GoUP.
2	The Commission reiterates its direction to the Licensee to ensure proper maintenance of detailed fixed assets registers as specified in the Distribution Tariff Regulations. As the fixed asset registers are pending since the creation of Discom, the Commission directs the Licensee to submit a status report and provide the proposed timelines / milestones for clearing the backlog.	The Petitioner humbly submits that it has not been able to finalise the preparation of the FARs so far owing to the huge backlog of previous financial years. The Petitioner is committed to complete the fixed asset register as early as possible.
3	The Commission directs the Licensee to frame an appropriate policy on capitalization of (i) employee costs, and (ii) A&G expenses.	The Petitioner's policy on capitalization of (i) employee costs, and (ii) A&G expenses has been provided in the Notes on Accounts annexed with the audited accounts which is reproduced below: "Due to multiplicity of functional units as well as multiplicity of function at particular unit, employee cost and general & administration expenses to capital works are capitalised @ 15% on distribution and deposit work, 11% on other works on the amount of total expenditure."
4	The Commission directs the Licensee to submit Fresh Actuarial Valuation Study Report in respect to employee expenses.	The Petitioner submits that the matter would be taken up at UPPCL level as common cadre is maintained in the Discoms and UPPCL.
5	As lack of approved transparent policy on identifying and writing off bad debts is hindering allowance of bad debts as an ARR component; the Commission directs the Licensee to submit ten sample cases of LT & HT consumers where orders have been issued for writing off bad debts, clearly depicting the procedure adopted for writing off bad debts along with policy framework for managing bad debts for the Commission's perusal.	The Petitioner submits that it has framed a policy for identifying and writing off old arrears and a copy of the same was submitted to the Hon'ble Commission during the proceedings in respect of ARR and Tariff Petition for FY 2014-15. A copy of which again resubmitted and marked as Annexure-4. Appropriate directions have been issued to the field units to compile the sample cases based on such order issued by the licensee.

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Ref Sl No	Description of Directive	Status of Compliance
6	The Commission directs the Licensee to submit data related to its peak demand and off peak demand in MW along with its sales projections in accordance with Clause 3.1.4 of the Distribution Tariff Regulations	The Petitioner humbly submits that the connected load is around 7700 MW and the R.D.M is around 2500 MW.
7	The Commission directs the Licensee to reconcile the inter-unit balances lying un-reconciled either itself or through independent chartered accountant firms.	The Petitioner submits that the determination of tariff is done by the Hon'ble Commission on normative basis based on the Tariff Regulations. As such the inter-unit reconciliation has no forbearance on the ARR and Tariff determination and assessment of revenue gap.
8	The Commission directs the Licensee to pay the applicable interest on consumer's security deposit as per the Orders of the Commission and submit the compliance report with the next ARR filing. Licensees are directed to ensure the timely payment of the interest on security deposit to the consumers.	The Petitioner submits that the interest on consumer security deposit is being credited to the consumer's account in terms of the Supply Code and Tariff Orders of the Hon'ble Commission.
9	As regards the Commission's directives to submit a road map for 100% metering in its licensed area given in the Tariff Order dated 31 st May, 2013, the Licensees has not complied with the directions of the Commission. The Commission once again directs the Licensee to comply with the direction given by the Commission in this Order and accordingly put it sincere efforts to achieve 100% metering.	The Petitioner submits that 100% metering of urban consumers is likely to be achieved by 31.12.2015.
10	The Commission further directs the Petitioner to sign the MoUs to be implemented at all levels and submit the copy of the same to the Commission.	The Petitioner humbly seeks some more time to comply with the directives of the Hon'ble Commission.
11	The Commission directs the Petitioner to provide the actual power purchase data in the format specified by the Commission along with the ARR Petition for FY 2016-17	The Petitioner humbly submits that it has provided a detailed power procurement plan for FY 2015-16 and 2016-17 in the present petition.
12	As regards timely filing of FPPCA the Commission once again directs the Licensees that they should file FPPCA in a timely and regular manner in accordance with the Distribution Tariff Regulations, 2006 failing which the Commission may have to resort to take strict action against the Licensees like disallowance of	The Petitioner states that the decision on the Petition filed towards clarification/ modification of the FPPCA formula has been taken by the Hon'ble Commission in its order dated 18 th June 2015. Accordingly, the Petitioner would be filing its FPPCA submissions from the first billing quarter after the issue of the FY 2016-17 tariff order i.e., July to September 2015 by the end of December

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Ref SI No	Description of Directive	Status of Compliance
	additional power purchase expenses and the associated carrying cost on account of additional Power Purchase expenses or any other action that the Commission may deem fit while doing the Truing up.	2015.
13	As regards the RPO Obligation the Licensees are directed to ensure that they procure renewable energy in accordance with Regulation 4 of the UPERC (Promotion of Green Energy through Renewable Purchase Obligation) Regulations, 2010 during FY 2014-15 to meet their obligation.	The Petitioner humbly submits that the RPO obligation is being met through purchase from cogen and solar power producers.
14	As regards the choice of connection, the Licensee, in accordance with the provisions of the supply code wherein the consumer has the choice to opt the supplier, is directed to release connections to all such consumers who desire to disconnect their connections from the single point supplier and instead wish to take connections directly from the Licensee and submit the status report on the same along with next ARR filing	Wherever feasible (both technically and economically), the Petitioner is complying with the provisions of the Supply Code.
15	The Licensee is directed 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 Petitioner submits that the prior period expenses / incomes are recognised in the financial statements in compliance with the Accounting Standards (AS 5) (Revised) on 'Net Profit or Loss for the Period, Prior Period Items and Changes in Accounting Policies' which does not require year wise classification of prior period items. As there was no statutory requirement of classifying the prior items with respect to the each year to which they pertain, such information was not specifically depicted in the audited accounts. Considering this, the expenses and incomes which are omitted to be accounted for in one or more financial years are accounted for as and when such omissions or errors are detected. The desired information is required to be made available by the respective field unit which would be compiled at the zonal level and then zonal accounts would be compiled at the corporate level. Given the complexity and time involved in this task, the Petitioner humbly seeks waiver from immediate submission of this information.

Ref Sl No	Description of Directive	Status of Compliance
16	The Licensee is directed to submit a note detailing the area-wise actual number of supply hours provided to rural areas by the end of FY 2015-16.	The Petitioner humbly submits that the information pertaining to the supply hours is being regularly published on the website of the Petitioner. Also the information towards the same has been provided in the succeeding chapter where load forecast has been discussed.
17	The Distribution Licensees are directed to submit the actual Regulatory Surcharge recovered in FY 2015-16 on account of the Revenue Gap / Regulatory Asset admitted by the Commission in this Order along with the actual Distribution Losses achieved in FY 2015-16 and additional target consumers added in FY 2015-16 by 15 th April, 2016.	As per the directives of the Hon'ble Commission and the timelines prescribed, the details towards the recovered FPPCA would be submitted by 15 th April 2016.
18	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 Clause 2.1.2 of the Distribution Tariff Regulations.	The Petitioner humbly submits that the Hon'ble Commission being an expert and independent body may kindly like to take up a study in this regard. Alternately, if the Petitioner is required to take up such study, then the Hon'ble Commission is requested to provide the terms of reference of such study so as ensure that the study is conducted in an objective manner.
19	The Commission directs the Licensee to submit a long term business plan in accordance with Clause 2.1.7 of the Distribution Tariff Regulations. The Licensee in such business plan shall identify capex projects for the ensuing year and subsequent four years and submit detailed capital investment plan along with a financing plan for undertaking the identified projects in order to meet the requirement of load growth, refurbishment and replacement of equipment, reduction in distribution losses, improvement of voltage profile, improvement in quality of supply, system reliability, metering, communication and computerization, etc.	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
20	The Commission directs the Licensee to conduct benchmarking studies to determine the desired performance standards in accordance with Clause 2.1.8 of the Distribution Tariff Regulations.	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
21	The Petitioner should file its Annual ARR/	The instant petition has been filed duly complying

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Ref SI No	Description of Directive	Status of Compliance
	Tariff Petition for FY 2016-17 as per the Regulations 12.2, 12.7, 12.8, 12.9 notified vide MYT Regulations, 2014	with the indicated provisions of the 2014 Tariff Regulations.
22	The Petitioner should complete the Assessment Study of metered consumers as per the Regulations 16.2 notified vide MYT Regulations, 2014 and subsequently submit the report to the Commission	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
23	The Petitioner should complete the Assessment Study of un-metered consumers to establish base line norms as per the Regulations 17.1 notified vide MYT Regulations, 2014 and subsequently submit the report to the Commission	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
24	The Petitioner should 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 Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
25	The Commission reiterates that the Licensees should conduct a detailed study to provide accurate and effective consumption norms as specified by the Commission in its earlier Orders and as per the provisions outlined in Uttar Pradesh Electricity Regulatory Commission (Multi Year Distribution Tariff) Regulations, 2014 in the time bound manner.	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
26	The Petitioner should submit Incremental Power Purchase Cost as per the Regulations 20.1 notified vide MYT Regulations, 2014 and subsequently submit the report to the Commission	The Petitioner understands that it is required to submit the FPPCA petition up to 31.3.2017.
27	The Petitioner should submit Roadmap for Reduction of Cross Subsidy as per the Regulation 39 notified vide MYT Regulations, 2014	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
28	The Petitioner should record and maintain Division wise, Circlewise AT&C Losses and submit the quarterly report to the Commission.	The Petitioner had filed such report along with the data gaps reply pertaining to the ARR petition for FY 2015-16.
29	The Petitioner should submit month wise details of number of supply hours for rural	The information pertaining to the supply hours has been submitted along with the instant petition.

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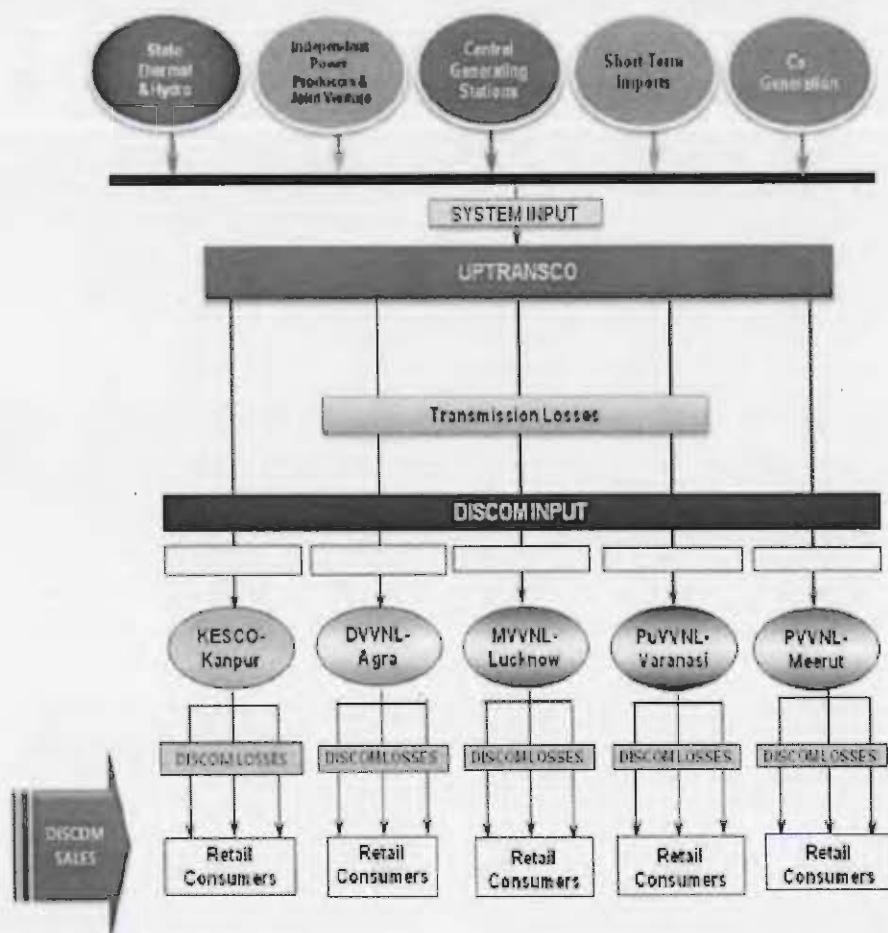
Ref Sl No	Description of Directive	Status of Compliance
	and urban area for FY 2014-15.	
30	Licensee should provide online facility for submission of application for new connection, name change, load enhancement and load reduction.	The observations of the Hon'ble Commission have been noted and action has been initiated on such matters. The Petitioner has a robust automated consumer interface which has been detailed in the instant petition in the foregoing sections.
31	Licensee should develop the mobile application for online payments of bills including other services for facilitation to consumers	The Petitioner is committed to introduce mobile application for online payment of bills and other services. The Petitioner has a robust automated consumer interface which has been detailed in the instant petition in the foregoing sections.
32	The Petitioner should submit Standards of Performance parameters as per the tariff formats of Distribution Tariff Regulations, 2006.	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
33	The Petitioner should submit additional consumers added in FY 2014-15 apart from the normal consumer addition.	The information pertaining to the number of consumers has been provided in the succeeding chapter where load forecast has been discussed.
34	The Commission directs the Petitioner to frame guidelines and procedures for identifying, physically verifying and writing off the bad debts and also to fix responsibility of its employees in this regard and submit the same to the Commission for its approval.	The Petitioner submits that it has framed a policy for identifying and writing off old arrears and a copy of the same was submitted to the Hon'ble Commission during the proceedings in respect of ARR and Tariff Petition for FY 2014-15. Appropriate directions have been issued to the field units to compile the sample cases based on such order issued by the licensee. A copy of same is enclosed and marked as Annexure-4
35	The Commission directs the Licensees that, from FY 2013-14 onwards it should clearly depict the total power purchase cost incurred at UPPCL level, total power purchase cost paid by the Licensees to UPPCL and power cost payable to UPPCL in its true-up petitions for future years.	The directions issued by the Hon'ble Commission have been complied in the instant petition.
36	The Commission directs the Licensee that Open Access shall be allowed as per the provisions outlined by the Commission in its Regulations and amendments from time to time.	Open access has already been operationalised in the PuVVNL supply area.

6. LOAD FORECAST AND REVENUE ASSESSMENT

The Petitioner has projected the category-wise load growth based on the CAGR of the last eight years data and considering factors like available population data, expected conversion of unauthorized connections, connected load factor and specific growth factors. While projecting the data for past years, wherever the data was incongruous such incongruity was ignored while projecting the load growth for the ensuing years. The forecast projects the specific consumption level (consumption per customer) appropriate for each customer category. This forecast is based on expected growth relationships to income and price, the effect of Demand Side Management and the impact of hours of service. The specific consumption level along with the number of customers in each category gives the sales figure for that particular sub-category. The final detailed calculations estimate the connected load by tariff category. The division level forecasts are consolidated and losses are added to the sales estimates to determine energy generation requirements.

The schematic diagram for Energy flow in state of UP is depicted in figure below:

Table 6-1: The schematic diagram for Energy flow in state of UP



6.1 METHODOLOGY NOTE FOR LOAD FORECAST

6.1.1 OVERVIEW

Sales and Load Forecasting involves firstly, building robust and accurate sales forecast and load forecast models that are able to predict energy sales within reasonable margins of error and secondly, application of the models so prepared to provide long term forecast of energy sales to various consumer sub categories (based on tariffs applied) and the total energy requirement to meet the demand.

6.1.2 METHODOLOGY

The following methodology was followed for Sales and Load Forecasting:

- a. Consumer category wise commercial data of each discom comprising Number of consumers/ Connected load (kW)/ Energy sales (billed energy): kWh, split between rural/urban consumers was tabulated for the years 2001-02 to 2009-10.
- b. Similar data for each consumer sub-category was tabulated for the years 2010-11 to 2014-15.
- c. 3 years' (2012-13 to 2014-15) compounded annual growth rate (CAGR) was determined for the following parameters consumer sub-category wise:
 - Number of consumers
 - Connected load: kW
 - Energy sales (billed energy): kWh
- d. CAGR for each of three major commercial parameters for 3/5/7/10 years was determined consumer category-wise.
- e. Running hour factor: Load shedding affects different consumer categories differently. Its effect was taken into account through a factor of present running hour supply and projected hour supply.

However, no adjustment on account of load shedding was made in case of the following:

- a) Following consumer categories:

- Industrial
- Agricultural (assuming that the water output of agricultural pump sets in the limited hours of supply is enough for meeting the irrigation requirements)
- Railway traction

The Energy Billed was calculated by applying the factor to the remaining consumer categories in all areas. This was done step-wise as follows:

- b) Projecting the running hours supply;

- c) Obtaining the factor of running hours supply between present supply hours and projected hours supply;
- d) Sub-category Energy billed in % tabulated by way of Mahanagar, Commissioner, Districts, Bundelkhand and Rural Area according to the prevailing classification of the Areas; and
- e) As per the factors given below, the energy billed was projected.

Table 6-2: Projected Hours of Supply

Description	Projected Approx. Running Hours		
	Base Year (2014-15)	2015-16	2016-17*
Mahanagar – M	21:59	22:44	24:00
District – D	18:11	18:38	22:00
Commissionary - C	20:54	21:26	24:00
Rural – R	11:15	10:57	16:00
Bundelkhand – B	17:21	17:41	22:00

* Hours of supply would be increased from October 2016 in view of the increase in generation capacities

- f. Demand Side Management - Category wise energy Billed was calculated by applying the DSM factor.
- g. Following three ratios were determined for each set of commercial data of a given consumer category/ sub-category for each year:
 - a) Energy sales per consumer
 - b) Connected load per consumer
 - c) Energy sales/Connected load
- h. Sales Forecasting: LV Consumers – Sub-category-wise

a) Number of consumers:

Adopted appropriate value of CAGR in the following manner:

- Normally 3 years' CAGR of number of consumers (sub-category wise) was adopted
- Wherever calculated value of 3 years' CAGR of number of consumers seemed unreasonably high or low, the most reasonable calculated value between 5/7/10 years' CAGR was adopted. The adopted value of CAGR was applied across all sub-categories within a given consumer category.
- Applied the CAGR so adopted to determine forecasted values of number of consumers, taking 2014-15 as the base year.

b) Connected load:

Multiplied number of consumers by the highest ratio of connected load per consumer calculated for the last three years to determine consumer sub-category wise connected load forecasts corresponding to forecasted values of number of consumers.

c) Energy Sales:**i. LMV 1 & LMV 10 Consumer categories:**

Forecasted value of energy sales for each consumer sub-category was determined by multiplying the number of consumers by the highest value of energy sales per consumer for the last three years. Wherever the highest value of energy sales per consumer was found to be unreasonably high, the second highest value of the above ratio was adopted as the multiplier for determining energy sales corresponding to the forecasted value of number of consumers.

ii. LMV Consumer categories (metered) other than LMV1 & LMV10 consumer categories:

Adopted the highest value of energy sales per kW connected load for a given consumer sub-category for the last three years as the multiplier to obtain forecasted value of energy sales corresponding to the forecasted value of connected load.

iii. LMV: Unmetered consumers (except rural state tube wells):

Forecasted value of energy sales for a given consumer sub-category was obtained by multiplying the forecasted value of connected load by the standard value of energy sales per kW connected load laid down in the norms.

iv. Rural state tube wells:

Forecasted value of energy sales was obtained by multiplying the forecasted value of number of consumers by the standard value of energy sales per consumer laid down in the norms as below:

Table 6-3: Consumption Determinant

Sr.No	Category of Un-Metered Consumer	Units	Consumption of Energy Per Month
1	Private Tube Well	KWh/KW	137.49
2	Domestic Rural Consumers	KWh/KW	108
3	Rural Commercial Consumers	KWh/KW	108
4	Rural State Tube Well	KWh/Consumer or Pump	5343.53
5 -A	Street Light - Rural Area	KWh/KW	300
5 -B	Street Light - Urban Area	KWh/KW	360

i. Sales Forecasting: HV Consumers – Sub-category-wise

a) Connected Load:

Forecasted value of connected load for a given sub-category for a given year was determined by applying the 3 years' CAGR of connected load calculated for the particular consumer sub-category, taking 2014-15 as the base year. Wherever the 3 years' CAGR appeared unreasonably high or low, the figure from amongst CAGR of connected load for a given consumer category calculated for 5/7/10 years that seemed most reasonable, was adopted as the CAGR to be used for forecasting. This value of CAGR was applied to all sub-categories comprising a given consumer category.

b) Number of consumers:

Forecasted number of consumers corresponding to the forecasted value of connected load for a consumer sub-category in a given year was determined by dividing connected load by the value of connected load per consumer calculated of the preceding year.

c) Energy sales:

- Year wise and sub-category wise energy sales forecasts were obtained by multiplying the forecasted value of connected load by the highest ratio of energy sales per kW connected load of the last three years.
- Year wise and sub-category wise energy sales forecasts were obtained by multiplying the forecasted value of sales MU by the running hour factors.
- Year wise and sub-category wise energy sales forecasts were obtained by multiplying the forecasted value of sales MU by the DMS factors.

6.1.3 CONSUMER SUB-CATEGORY WISE PROJECTIONS

Projections for Nos of Consumer sub-category wise for the two years were provided for each discom.

6.1.4 CONNECTED LOAD SUB-CATEGORY WISE PROJECTIONS

Projections for Connected Load sub-category wise for the two years were provided for each discom.

6.1.5 SALES SUB-CATEGORY WISE PROJECTIONS

Projections for Sales sub-category wise for the two years were provided for each discom.

6.1.6 PROJECTIONS FOR INPUT ENERGY

Following assumptions, based on experience, were made with regard to losses:

a. % Distribution Losses:

Approximate distribution loss figures in % for two years were assumed as given in the following table:

Table 6-4: Distribution Losses Trajectory

Discom	Base Year (2014-15)	2015-16	2016-17
PaVVNL (Retail)	19.66%	19.52%	18.00%
PuVVNL	23.88%	20.93%	19.25%
MVVNL	22.88%	21.03%	19.00%
DVVNL (Retail)	29.49%	29.00%	26.00%
KESCO	26.04%	23.50%	22.00%

b. Transmission Losses:

Intra-state and inter-state transmission losses, to be added to the power delivered at the discoms at their input points to arrive at the energy required at the power plant bus bars, were taken as 5.26%.

c. Allocation of Additional Energy:

The difference of Energy Requirement and available at discom level was allocated to all categories except HT, Agriculture and Railway on the basis of existing share in sales.

6.1.7 INPUT ENERGY REQUIREMENT

Input energy requirement was determined from Energy Billed using the following relationship:

Input Energy = Energy Billed ÷ (1-% Technical & Distribution Loss)

6.1.8 SALES FORECASTS FOR 2015-16 & 2016-17

The billed energy was required to be worked out on the basis of the availability of energy for the current year and the next year, which are as follows:

- Year 2015-16: 1,04,433 MU
- Year 2016-17: 1,19,020 MU

Table 6-5: Energy Balance

Energy Balance	FY 2014-15 (Base Year)	FY 2015-16	FY 2016-17
Purchases Required & Billed Energy (MU)			
Input Energy Requirement	87,736	1,10,231	1,25,627
Transmission losses%	6.59%	5.26%	5.26%
Input Energy Requirement At DisCom Level	81,953	1,04,433	1,19,020
Meerut	25,946	29,913	34,186
Agra	19,138	24,041	27,773
Lucknow	15,126	19,007	21,525
Varanasi	18,252	27,853	31,333
Bulk	3,491	3,620	4,203
Consumer Sales (MU)	62,480	80,945	94,599
Meerut	20,845.36	24,074	28,033
Agra	13,494.13	17,069	20,552
Lucknow	11,665.40	15,010	17,435
Varanasi	13,893.33	22,023	25,301
Bulk	2,581.75	2,769	3,278
Distribution Losses (% of Energy Received)	23.76%	22.49%	20.52%
Meerut	19.66%	19.52%	18.00%
Agra	29.49%	29.00%	26.00%
Lucknow	22.88%	21.03%	19.00%
Varanasi	23.88%	20.93%	19.25%
Bulk	26.04%	23.50%	22.00%

6.2 SALES FORECAST

The year 2015-16 is expected to see a substantial jump in the total availability of energy at the source power plant bus bars at around 1,10,231 MU when compared to around 87,736 MU in 2014-15 for Uttar Pradesh as a whole. The demand of most consumer categories and discoms is presently constrained by availability which falls substantially short of demand. Hence, with increased availability of energy, the projected sales are expected to rise not only on account of natural load growth but also because of easing of supply constraints.

Total availability of energy for 2016-17 is around 1,25,627 MU. The projected sales will be impacted by normal load growth and increased hours of supply.

a) LMV Consumers – Sub-category-wise

Adopted appropriate value of CAGR and 3/5/7/10 year's CAGR are as below:

Table 6-6: LMV Consumers Growth Rate

SUPPLY TYPE	CAT	VARANASI DISCOM		CONSUMER NUMBER - CAGR				
		CATEGORY		Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
LMV--1		Rural						
		Urban						
	(A)	Consumer getting supply as per "Rural Schedule"						
		(i)	Un-metered	10%	8%	7%	0%	-2%
		(ii)	Metered	3%	6%	7%	0%	58%
	(B)	Supply at Single Point for Bulk Load		44.05%	32%	17%	0%	1%
	(C1)	Other Metered Domestic Consumers		4%	6%	5%	0%	10%
	(C2)	Life Line Consumers/BPL		33%	100%	103%	0%	30%
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)		8%	8%	7%	5%	
LMV--2		Rural						
		Urban						
	(A)	Consumer getting supply as per "Rural Schedule"						
		(i)	Un-metered	11%	11%	12%	0%	11%
		(ii)	Metered	5%	6%	12%	0%	5%
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		-100%	-100%	0%	0%	1%
	(C)	Other Metered Non-Domestic Supply		4%	5%	2%	0%	4%
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)		6%	6%	7%	6%	
LMV--3	A	Rural						
		Urban						
	(A)	Un-metered Supply						
		(i)	Gram Panchyat	3%	7%	33%	0%	3%
		(ii)	Nagar Palika & Nagar Panchyat	54%	42%	35%	0%	20%
		(iii)	Nagar Nigam	-21%	-23%	-14%	0%	-5%
	(B)	Metered Supply						
		(i)	Gram Panchyat	0%	-100%	0%	0%	2%
		(ii)	Nagar Palika & Nagar Panchyat	13%	-8%	-5%	0%	2%
		(iii)	Nagar Nigam	-11%	10%	3%	0%	3%
SUB TOTAL		PUBLIC LAMPS (LMV-3)		33%	23%	27%	19%	

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		VARANASI DISCOM	CONSUMER NUMBER - CAGR				
SUPPLY TYPE	CAT	CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
LMV--4	A	Rural					
		Urban					
	B	Rural					
		Urban					
	(A)	Public Institution(4 A)	10%	21%	15%	0%	10%
	(B)	Private Institution(4 B)	-11%	7%	7%	0%	-5%
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	5%	18%	13%	11%	
LMV--5		Rural					
		Urban					
	(A)	Rural Schedule					
		(i) Un metered Supply	8%	6%	4%	0%	6%
		(ii) Metered Supply	41%	-49%	1%	0%	20%
	(B)	Urban Schedule					
		(i) Metered Supply	1%	3%	3%	0%	3%
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	8%	5%	4%	3%	
LMV--6		Rural					
		Urban					
	(A)	Small & Medium Power (Power Loom)					
		(i) Rural Schedule	-2%	-11%	-5%	0%	2%
		(ii) Urban Schedule	22%	5%	7%	0%	7%
	(B)	Small & Medium Power					15%
		(i) Rural Schedule	1%	12%	8%	0%	8%
		(ii) Urban Schedule	-4%	4%	-1%	0%	2%
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	1%	4%	3%	3%	
LMV--7		Rural					
		Urban					
	(A)	Rural Schedule					
		(i) Jal Nigam	7%	9%	7%	0%	7%
		(ii) Jal Sansthan	0%	2%	-18%	0%	2%
		(iii) Others (Water Works)	13%	25%	14%	0%	10%
	(B)	Urban Schedule					
		(i) Jal Nigam	4%	17%	15%	0%	10%
		(ii) Jal Sansthan	-2%	12%	15%	0%	10%
		(iii) Others (Water Works)	-8%	8%	5%	0%	5%
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	3%	12%	9%	7%	
LMV--8		Rural					
		Urban					
	(A)	Metered Supply	-7%	-45%	7%	0%	5%
	(B)	Un-metered Supply					

			VARANASI DISCOM	CONSUMER NUMBER - CAGR				
SUPPLY TYPE	CAT	CATEGORY		Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
		(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	2%	5%	2%	0%	2%
		(ii)	Laghu Dal Nahar above 100 BHP	65%	9%	5%	0%	15%
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		2%	4%	2%	1%	
LMV--9		Rural						
		Urban						
	(A)	Metered Supply						
		(i)	Individual Residential Consumers	-19%	77%	0%	0%	5%
		(ii)	Others	0%	-100%	-100%	0%	2%
	(B)	Un-metered Supply						
		(i)	Ceremonies	-11%	-32%	0%		0%
		(ii)	Temporary Shops	0%	-100%	-100%	0%	0%
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)		-19%	-11%	3%	-5%	
LMV--10	(A)	Serving						
		(i)	Class IV Employees	-4%	-2%	-2%	0%	2%
		(ii)	Class III Employees	1%	3%	2%	0%	2%
		(iii)	Junior Engineers & Equivalent	2%	5%	-8%	0%	2%
		(iv)	Assistant Engineers & Equivalent	-27%	-19%	1%	0%	1%
		(v)	Executive Engineers & Equivalent	8%	-7%	-10%	0%	8%
		(vi)	Deputy General Manager & Equivalent	17%	16%	14%	0%	15%
		(vii)	CGM/GM & Equivalent posts and above	-87%	-43%	18%	0%	15%
	(B)	Total Pensioner & Family Pensioner		12%	19%	13%	0%	15%
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)		3%	9%	6%	0%	0%

b) HV Consumers – Sub-category-wise

Adopted appropriate value of CAGR for Load Forecast and 3/5/7/10 year's CAGR are as below:

Table 6-7: HV Consumers Growth Rate

SUPPLY TYPE	CAT	VARANASI DISCOM		CONSUMER NUMBER - CAGR				
		CATEGORY		Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
HV--1		Rural						
		Urban						
	(A)	Urban Schedule						
		(i)	For supply at 11kV	30%	39%	0%	0%	30%
		(ii)	For supply above 11kV and upto & Including 66kV	73%	-28%	0%	0%	18%
		(iii)	For supply above 66kV and upto & Including 132kV	0%	-100%	0%	0%	0%
		(iv)	For supply above 132kV	0%	-100%	0%	0%	0%
	(B)	Rural Schedule						
		(i)	For supply at 11kV	-4%	0%	0%	0%	8%
		(ii)	For supply above 11kV and upto & Including 66kV	-100%	-100%	0%	0%	0%
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)		26%	28%	0%	0%	15%
HV--2		Rural						
		Urban						
	(A)	Urban Schedule						
		(i)	For supply at 11kV	13%				12%
		(ii)	For supply above 11kV and upto & Including 66kV	-20%				1%
		(iii)	For supply above 66kV and upto & Including 132kV	0%				0%
		(iv)	For supply above 132kV	0%				0%
	(B)	Rural Schedule						
		(i)	For supply at 11kV	-25%				5%
		(ii)	For supply above 11kV and upto & Including 66Kv	-9%				1%
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		3%	15%	8%	8%	3%
HV--3		Rural						
		Urban						
	(A)	For supply at the above 132kV		100%				10%
	(B)	For supply below 132kV		0%				0%
	(C)	For Metro Traction		-100%				0%
SUB TOTAL		RAILWAY TRACTION (HV-3)		29%	15%	9%	6%	0%

		VARANASI DISCOM	CONSUMER NUMBER - CAGR				
SUPPLY TYPE	CAT	CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
HV-4		Rural					
		Urban					
	(A)	For supply at 11kV	-6%				1%
	(B)	For supply above 11kV and upto 66kV	6%				5%
	(C)	For supply above 66kV and upto 132kV	0%				0%
SUB TOTAL		LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)	-3%	-1%	-3%	1%	0%
EXTRA STATE		Rural					
		Urban					
	(A)	EXTRA STATE & OTHERS	-37%				5%
SUB TOTAL		EXTRA STATE CONSUMERS	-37%	-10%	0%	0%	
BULK		Rural					
		Urban					
	(A)	NPCL	0%				0%
	(B)	KESCO	0%				0%
SUB TOTAL		BULK SUPPLY	0%	0%	0%	0%	0%

c) LMV Consumer Load

Adopted appropriate value of per Consumer Load of Previous Year -3, Previous Year -2, Previous Year -1 and Base Year for LV Consumer sub category are as below:

Table 6-8: Growth in LMV Consumer Load

		VARANASI DISCOM	Per Consumer Load In KW				
SUPPLY TYPE	CAT	CATEGORY	Previous - 3	Previous - 2	Previous Year-1	Current Year	Assumed
LMV-1		Rural					
		Urban					
	(A)	Consumer getting supply as per "Rural Schedule"					
		(i) Un-metered	1.621	1.659	1.602	1.488	1.593
		(ii) Metered	1.406	1.317	1.253	1.409	1.409
	(B)	Supply at Single Point for Bulk Load	375.455	375.5	328.0	329.6	375.5
	(C1)	Other Metered Domestic Consumers	1.839	1.863	1.901	1.929	1.929
	(C2)	Life Line Consumers/BPL	1.469	0.876	1.000	1.002	1.469
SUB		DOMESTIC LIGHT FAN & POWER	1.653	1.663	1.625	1.571	1.663

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SUPPLY TYPE	CAT	VARANASI DISCOM		Per Consumer Load In KW				
		CATEGORY		Previous - 3	Previous - 2	Previous Year-1	Current Year	Assumed
TOTAL		(LMV-1)						
LMV--2		Rural						
		Urban						
	(A)	Consumer getting supply as per "Rural Schedule"						
		(i)	Un-metered	2.094	2.392	2.042	2.088	2.392
		(ii)	Metered	2.131	2.268	2.407	2.192	2.407
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		2.063	10.750	-	10.750	-
	(C)	Other Metered Non-Domestic Supply		2.543	2.563	2.477	2.634	2.634
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)		2.322	2.440	2.367	2.367	2.440
LMV--3		Rural						
	A	Urban						
	(A)	Un-metered Supply						
		(i)	Gram Panchyat	4.644	4.788	4.333	10.546	10.546
		(ii)	Nagar Palika & Nagar Panchyat	23.932	21.491	9.250	34.470	34.470
		(iii)	Nagar Nigam	442.500	631.250	1,253.250	8.574	1,253.250
	(B)	Metered Supply						
		(i)	Gram Panchyat	1,337.000	-	16.000	-	16.000
		(ii)	Nagar Palika & Nagar Panchyat	27.545	53.148	9.147	60.271	40.855
		(iii)	Nagar Nigam	1,450.400	1,208.643	1,273.143	882.318	1,450.400
SUB TOTAL		PUBLIC LAMPS (LMV-3)		42.800	45.353	21.002	32.725	21.002
LMV--4		Rural						
	A	Urban						
	B	Rural						
		Urban						
	(A)	Public Institution(4 A)		21.422	10.297	10.929	8.507	8.507
	(B)	Private Institution(4 B)		9.817	8.079	7.696	8.577	8.577
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)		19.289	9.758	10.286	8.519	10.286
LMV--5		Rural						
		Urban						
	(A)	Rural Schedule						
		(i)	Un metered Supply	6.067	5.370	5.274	5.179	5.274
		(ii)	Metered Supply	3.866	3.581	3.791	4.193	4.193
	(B)	Urban Schedule						
		(i)	Metered Supply	6.086	6.236	5.550	6.267	6.267
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		6.065	5.393	5.282	5.205	6.065
LMV--6		Rural						

SUPPLY TYPE	CAT	VARANASI DISCOM		Per Consumer Load In KW				
		CATEGORY		Previous - 3	Previous - 2	Previous Year-1	Current Year	Assumed
		Urban						
	(A)	Small & Medium Power (Power Loom)						
		(i)	Rural Schedule	8.120	6.599	7.212	7.605	7.605
		(ii)	Urban Schedule	8.164	8.319	7.856	7.626	8.319
	(B)	Small & Medium Power						
		(i)	Rural Schedule	6.683	7.732	7.944	7.133	7.944
		(ii)	Urban Schedule	11.468	11.016	11.132	11.194	11.468
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)		8.621	8.577	8.655	8.266	8.655
LMV--7		Rural						
		Urban						
	(A)	Rural Schedule						
		(i)	Jal Nigam	34.101	33.378	33.518	36.175	34.357
		(ii)	Jal Sansthan	207.357	219.642	270.558	80.225	270.558
		(iii)	Others (Water Works)	30.000	37.159	44.387	21.726	44.387
	(B)	Urban Schedule						
		(i)	Jal Nigam	23.692	25.940	27.163	23.673	25.117
		(ii)	Jal Sansthan	50.120	50.611	56.447	57.821	53.750
		(iii)	Others (Water Works)	32.146	29.981	29.254	27.427	29.702
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)		41.593	42.269	43.824	41.075	43.824
LMV--8		Rural						
		Urban						
	(A)	Metered Supply		18.333	30.000	21.897	10.045	30.000
	(B)	Un-metered Supply						
		(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	16.232	17.387	17.804	17.214	17.804
		(ii)	Laghu Dal Nahar above 100 BHP	83.891	167.377	46.361	54.050	46.361
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		17.127	18.274	18.537	17.871	18.537
LMV--9		Rural						
		Urban						
	(A)	Metered Supply						
		(i)	Individual Residential Consumers	31.795	27.949	31.474	18.468	31.474
		(ii)	Others	-	-	-	-	-
	(B)	Un-metered Supply						
		(i)	Ceremonies	5.000	90.400	13.000	-	13.000
		(ii)	Temporary Shops	-	-	-	-	-
SUB		TEMPORARY SUPPLY (LMV-9)		10.384	31.711	30.262	18.468	30.262

			VARANASI DISCOM	Per Consumer Load In KW				
SUPPLY TYPE	CAT	CATEGORY		Previous - 3	Previous - 2	Previous Year-1	Current Year	Assumed
TOTAL								
LMV--10	(A)	Serving						
		(i)	Class IV Employees	3.191	2.350	3.212	2.636	3.212
		(ii)	Class III Employees	2.378	2.384	2.633	3.292	3.292
		(iii)	Junior Engineers & Equivalent	4.885	3.792	3.790	3.963	4.885
		(iv)	Assistant Engineers & Equivalent	3.414	3.400	3.411	4.248	4.248
		(v)	Executive Engineers & Equivalent	7.000	6.809	6.907	6.380	7.000
		(vi)	Deputy General Manager & Equivalent	7.120	6.633	6.633	5.829	7.120
		(vii)	CGM/GM & Equivalent posts and above	6.364	2.046	5.714	5.667	6.364
	(B)	Total Pensioner & Family Pensioner		1.591	1.731	1.979	2.113	2.113
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)		2.360	2.132	2.431	2.523	2.523
HV--1		Rural						
		Urban						
	(A)	Urban Schedule						
		(i)	For supply at 11kV	344.098	298.772	321.465	260.165	260.165
		(ii)	For supply above 11kV and upto & Including 66kV	5,850.000	5,850.000	2,431.400	1,540.333	2,431.400
		(iii)	For supply above 66kV and upto & Including 132kV	28,996.000	-	-	-	-
		(iv)	For supply above 132kV	-	-	-	-	-
	(B)	Rural Schedule						
		(i)	For supply at 11kV	104.000	342.417	339.545	289.467	342.417
		(ii)	For supply above 11kV and upto & Including 66kV	257.000	281.625	-	113.667	113.667
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)		1,288.155	359.561	360.982	300.280	360.982
HV--2		Rural						
		Urban						
	(A)	Urban Schedule						
		(i)	For supply at 11kV	252.988	239.658	235.265	257.220	257.220
		(ii)	For supply above 11kV and upto & Including 66kV	1,486.157	1,553.018	2,600.744	2,276.950	2,276.950

SUPPLY TYPE	CAT	VARANASI DISCOM		Per Consumer Load In KW				
		CATEGORY		Previous - 3	Previous - 2	Previous Year-1	Current Year	Assumed
		(iii)	For supply above 66kV and upto & Including 132kV	13,779.429	12,464.286	11,178.571	7,090.385	7,090.385
		(iv)	For supply above 132kV	-	-	-	-	-
	(B)	Rural Schedule						
		(i)	For supply at 11kV	345.250	347.536	354.990	228.092	354.990
		(ii)	For supply above 11kV and upto & Including 66kV	2,012.176	2,012.176	2,131.063	2,377.857	2,377.857
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		519.854	487.426	493.171	467.903	519.854
HV--3		Rural						
		Urban						
	(A)	For supply at the above 132kV		49,825.000	11,475.000	20,507.500	20,243.750	20,507.500
	(B)	For supply below 132kV		-	60,000.000	78,000.000	78,000.000	78,000.000
	(C)	For Metro Traction		-	78,000.000	-	-	78,000.000
SUB TOTAL		RAILWAY TRACTION (HV-3)		49,825.000	49,825.000	32,006.000	31,795.000	40,862.750
HV--4		Rural						
		Urban						
	(A)	For supply at 11kV		3,536.022	1,164.133	1,112.578	1,022.755	1,112.578
	(B)	For supply above 11kV and upto 66kV		3,101.357	3,614.600	3,614.600	4,515.941	4,515.941
	(C)	For supply above 66kV and upto 132kV		-	-	-	-	-
SUB TOTAL		LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)		3,432.881	1,776.750	1,738.083	1,922.515	3,432.881
EXTRA STATE		Rural						
		Urban						
	(A)	EXTRA STATE & OTHERS		1,037.667	604.400	604.400	1,500.000	1,500.000
SUB TOTAL		EXTRA STATE CONSUMERS		1,037.667	604.400	604.400	1,500.000	1,500.000
BULK		Rural						
		Urban						
	(A)	NPCL		-	-	-	-	-
	(B)	KESCO		-	-	-	-	-
SUB TOTAL		BULK SUPPLY		-	-	-	-	-
		GRAND TOTAL		2.486	2.370	2.320	2.165	2.486

d) Energy Sales Assumption:

Adopted Appropriate value of Per capita Consumption Per Consumer, Per Capita Consumption Per KW of previous Year-3, previous Year-2, Previous Year-1 and Base Year and Un-Metered Sales norms are as below:

Table 6-9: Energy Sales Assumption

SUPPLY TYPE	CAT	CATEGORY	Per Capita Consumption /Consumer				Max between last 4 years	Per Capita Consumption on Load Basis				Max between last 4 years	Unmetered	Assumed
			Previous -3	Previous -2	Previous Year-1	Current Year		Previous -3	Previous -2	Previous Year-1	Current Year			
LMV--1		Rural												
		Urban												
	(A)	Consumer getting supply as per "Rural Schedule"												
	(i)	Un-metered	1,298	1,341	1,283	1,335	1,341	801	809	801	897	897	1296	1,296
	(ii)	Metered	1,523	1,677	1,387	1,192	1,677	1,083	1,273	1,107	846	1,273		1,677
	(B)	Supply at Single Point for Bulk Load	1,903,909	1,090,909	500,800	1,519,000	1,903,909	5,071	2,906	1,527	4,608	5,071		1,527
	(C1)	Other Metered Domestic Consumers	2,710	2,832	2,912	2,732	2,912	1,474	1,520	1,532	1,416	1,532		2,912
	(C2)	Life Line Consumers/BPL	661	1,045	1,317	1,097	1,317	450	1,193	1,317	1,095	1,317		1,317
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	1,711	1,796	1,727	1,631		1,035	1,080	1,063	1,038			
LMV--2		Rural												
		Urban												
	(A)	Consumer getting supply as per "Rural Schedule"												
	(i)	Un-metered	1,575	1,669	1,517	1,985	1,985	752	698	743	951	951	1296	1,296
	(ii)	Metered	2,902	3,640	4,359	2,995	4,359	1,362	1,605	1,811	1,366	1,811		1,811

		VARANASI DISCOM	Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	CAT	CATEGORY	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Unmetered	Assumed
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	510	1,250,000	-	372,000	1,250,000	247	116,279	-	34,605	116,279		-
	(C)	Other Metered Non-Domestic Supply	3,511	3,291	2,900	3,873	3,873	1,381	1,284	1,171	1,471	1,471		1,471
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	2,915	3,101	3,010	3,180		1,256	1,271	1,272	1,344			
LMV--3														
	A	Rural												
		Urban												
	(A)	Un-metered Supply												
	(i)	Gram Panchyat	16,074	20,833	18,029	33,657	33,657	3,461	4,351	4,160	3,192	4,351	3600	3,600
	(ii)	Nagar Palika & Nagar Panchyat	70,987	66,339	29,922	93,985	93,985	2,966	3,087	3,235	2,727	3,235	4320	4,320
	(iii)	Nagar Nigam	1,533,900	2,250,000	4,071,750	33,889	4,071,750	3,466	3,564	3,249	3,953	3,953	4320	4,320
	(B)	Metered Supply												
	(i)	Gram Panchyat	712,000	-	21,000	-	21,000	533	-	1,313	-	1,313		1,313
	(ii)	Nagar Palika & Nagar Panchyat	97,170	333,333	27,569	302,896	333,333	3,528	6,272	3,014	5,026	6,272		5,026
	(iii)	Nagar Nigam	5,511,800	4,428,571	4,939,786	3,344,773	5,511,800	3,800	3,664	3,880	3,791	3,880		3,880
SUB TOTAL		PUBLIC LAMPS (LMV-3)	143,839	169,909	74,291	115,419		3,361	3,746	3,537	3,527			
LMV-4														
	A	Rural												
		Urban												
	B	Rural												
		Urban												
	(A)	Public Institution(4 A)	40,171	33,766	30,950	22,091	40,171	1,875	3,279	2,832	2,597	3,279		3,279

Director (Comm.)
Purvanchal Vidyut Vitaran Nigam Limited
at Nagar D.L.W., Varanasi

		VARANASI DISCOM	Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	CAT	CATEGORY	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Unmetered	Assumed
	(B)	Private Institution(4 B)	25,252	17,544	17,984	24,672	25,252	2,572	2,171	2,337	2,877	2,877		2,877
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	37,429	29,826	28,371	22,546		1,940	3,056	2,758	2,646			
LMV--5		Rural												
		Urban												
	(A)	Rural Schedule												
	(i)	Unmetered Supply	4,914	5,450	5,168	5,774	5,774	810	1,015	980	1,115	1,115	1649.88	1,650
	(ii)	Metered Supply	9,034	11,628	49,209	27,263	49,209	2,337	3,247	12,982	6,502	12,982		12,982
	(B)	Urban Schedule												
	(i)	Metered Supply	9,033	11,314	7,947	10,908	11,314	1,484	1,814	1,432	1,741	1,814		1,814
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	5,032	5,618	5,283	5,929		830	1,042	1,000	1,139			
LMV--6		Rural												
		Urban												
	(A)	Small & Medium Power (Power Loom)												
	(i)	Rural Schedule	7,480	13,773	8,145	11,955	13,773	921	2,087	1,129	1,572	2,087		1,572
	(ii)	Urban Schedule	9,383	18,813	14,554	9,511	18,813	1,149	2,262	1,853	1,247	2,262		1,247
	(B)	Small & Medium Power												
	(i)	Rural Schedule	10,089	7,313	8,748	8,569	10,089	1,510	946	1,101	1,201	1,510		1,510
	(ii)	Urban Schedule	18,523	16,289	15,923	19,727	19,727	1,615	1,479	1,430	1,762	1,762		1,762
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	11,615	12,046	11,233	11,852		1,347	1,404	1,298	1,434			
LMV--7		Rural												
		Urban												

Director (Comm.)
 Purnanchal Vidyut Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

			VARANASI DISCOM	Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	CAT	CATEGORY		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Unmetered	Assumed
	(A)	Rural Schedule													
		(i)	Jal Nigam	137,656	159,912	142,029	144,417	159,912	4,037	4,791	4,237	3,992	4,791		4,791
		(ii)	Jal Sansthan	710,886	910,448	1,105,058	285,917	1,105,058	3,428	4,145	4,084	3,564	4,145		4,145
		(iii)	Others (Water Works)	67,487	96,552	135,019	117,457	135,019	2,250	2,598	3,042	5,406	5,406		5,406
	(B)	Urban Schedule													
		(i)	Jal Nigam	120,524	121,277	142,746	225,892	225,892	5,087	4,675	5,255	9,542	9,542		9,542
		(ii)	Jal Sansthan	321,700	343,038	325,931	379,522	379,522	6,419	6,778	5,774	6,564	6,778		6,564
		(iii)	Others (Water Works)	186,938	113,924	137,944	92,382	186,938	5,815	3,800	4,715	3,368	5,815		3,368
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)		203,185	222,965	213,485	220,633		4,885	5,275	4,871	5,371			
LMV--8		Rural													
		Urban													
	(A)	Metered Supply		268,778	2,857,143	169,174	58,964	2,857,143	14,661	95,238	7,726	5,870	95,238		95,238
	(B)	Un-metered Supply													
		(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	60,621	70,497	75,764	90,399	90,399	3,735	4,054	4,256	5,252	5,252	64122.36	64,122
		(ii)	Laghu Dal Nahar above 100 BHP	411,686	1,213,115	274,283	289,077	1,213,115	4,907	7,248	5,916	5,348	7,248	64122.36	64,122
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		65,437	79,056	82,001	94,021		3,821	4,326	4,424	5,261			
LMV--9		Rural													
		Urban													

Director (Comm.)
Purvanchal Vidyut Nigam Limited
Vidyut Nager D.L.W. Varanasi

Annual Revenue Requirement Petition of PuVVNL for FY 2016-17 and True-Up for FY 2013-14

		VARANASI DISCOM	Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	CAT	CATEGORY	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Unmetered	Assumed
	(A)	Metered Supply												
		(i) Individual Residential Consumers	170,273	102,564	197,509	134,018	197,509	5,355	3,670	6,275	7,257	7,257		7,257
		(ii) Others	-	-	-	-	-	-	-	-	-	-		-
	(B)	Un-metered Supply												
		(i) Ceremonies	1,514	200,000	70,250	-	200,000	303	2,212	5,404	-	5,404		5,404
		(ii) Temporary Shops	-	-	-	-	-	-	-	-	-	-		-
SUB TOTAL LMV-10		TEMPORARY SUPPLY (LMV-9)	35,420	108,434	189,164	134,018		3,411	3,419	6,251	7,257			
	(A)	Serving												
		(i) Class IV Employees	2,180	2,497	2,902	2,650	2,902	683	1,062	904	1,005	1,062		2,650
		(ii) Class III Employees	2,234	2,454	2,807	2,901	2,901	939	1,029	1,066	881	1,066		2,901
		(iii) Junior Engineers & Equivalent	5,573	7,417	6,882	5,275	7,417	1,141	1,956	1,816	1,331	1,956		5,275
		(iv) Assistant Engineers & Equivalent	7,480	9,029	8,612	8,383	9,029	2,191	2,656	2,525	1,974	2,656		8,383
		(v) Executive Engineers & Equivalent	14,771	18,182	18,241	11,388	18,241	2,110	2,670	2,641	1,785	2,670		11,388
		(vi) Deputy General Manager & Equivalent	19,640	33,333	15,833	9,049	33,333	2,758	5,025	2,387	1,552	5,025		9,049
		(vii) CGM/GM & Equivalent posts and above	53,636	894	20,071	14,778	53,636	8,429	437	3,513	2,608	8,429		14,778
	(B)	Total Pensioner &	1,698	1,919	2,668	3,073		1,067	1,108	1,348	1,454			

22/11/16
Director (Comm.)
Purvanchal Vidyut Vitan Nigam Limited
Vidyut Nagar D.L.W., Varanasi

		VARANASI DISCOM	Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	CAT	CATEGORY	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Unmetered	Assumed
		Family Pensioner					3,073					1,454		3,073
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	2,434	2,631	3,195	3,211		1,031	1,234	1,314	1,273			
HV--1		Rural												
		Urban												
	(A)	Urban Schedule												
	(i)	For supply at 11kV	805,311	610,778	567,617	691,283	805,311	2,340	2,044	1,766	2,657	2,657		2,657
	(ii)	For supply above 11kV and upto & Including 66kV	56,966,500	20,500,000	8,327,200	4,037,833	56,966,500	9,738	3,504	3,425	2,621	9,738		3,425
	(iii)	For supply above 66kV and upto & Including 132kV	7,696,500	-	-	-	7,696,500	265	-	-	-	265		265
	(iv)	For supply above 132kV	-	-	-	-	-	-	-	-	-	-		-
	(B)	Rural Schedule												
	(i)	For supply at 11kV	141,800	250,000	1,113,727	356,133	1,113,727	1,363	730	3,280	1,230	3,280		3,280
	(ii)	For supply above 11kV and upto & Including 66kV	865,000	250,000	-	131,000	865,000	3,366	888	-	1,152	3,366		3,366
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	2,535,549	783,069	757,096	776,836		1,968	2,178	2,097	2,587			
HV--2		Rural												
		Urban												
	(A)	Urban Schedule												
	(i)	For supply at 11kV	641,891	668,421	646,153	769,493	769,493	2,537	2,789	2,746	2,992	2,992		2,992
	(ii)	For supply above 11kV and upto &	4,769,118	5,509,091	8,408,256	7,827,000	8,408,256	3,209	3,547	3,233	3,437	3,547		3,547

22/11/2016
 Director (Comm.)
 Purnanchal Vidyut Vilan Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

			VARANASI DISCOM	Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	CAT	CATEGORY		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Unmetered	Assumed
			Including 66kV												
		(iii)	For supply above 66kV and upto & Including 132kV	12,350,857	12,571,429	7,949,286	8,759,385	12,571,429	896	1,009	711	1,235	1,235		1,235
		(iv)	For supply above 132kV	-	-	-	-	-	-	-	-	-	-		-
	(B)	Rural Schedule													
		(i)	For supply at 11kV	546,256	654,639	840,471	339,605	840,471	1,582	1,884	2,368	1,489	2,368		2,368
		(ii)	For supply above 11kV and upto & Including 66kV	7,502,588	6,058,824	6,475,188	6,333,000	7,502,588	3,729	3,011	3,038	2,663	3,729		3,729
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		1,157,159	1,188,612	1,208,549	1,200,536		2,226	2,439	2,451	2,566			
HV--3		Rural													
		Urban													
	(A)	For supply at the above 132kV		150,151,000	227,000,000	66,714,000	64,077,750	227,000,000	3,014	19,782	3,253	3,165	19,782		3,165
	(B)	For supply below 132kV		-	202,000,000	204,343,000	195,981,000	204,343,000	-	3,367	2,620	2,513	3,367		3,367
	(C)	For Metro Traction		-	18,000,000	-	-	18,000,000	-	231	-	-	231		231
SUB TOTAL		RAILWAY TRACTION (HV-3)		150,151,000	149,000,000	94,239,800	91,756,400		3,014	2,990	2,944	2,886			
HV--4		Rural													
		Urban													
	(A)	For supply at 11kV		6,488,422	6,511,111	5,749,200	4,072,306	6,511,111	1,835	5,593	5,167	3,982	5,593		5,593
	(B)	For supply above 11kV and upto 66kV		20,661,000	21,933,333	22,264,133	20,911,118	22,264,133	6,662	6,068	6,160	4,631	6,662		6,662
	(C)	For supply above 66kV and upto		-	-	-	-	-	-	-	-	-	-		-

		VARANASI DISCOM	Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	CAT	CATEGORY	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Unmetered	Assume d
		132kV												
SUB TOTAL		LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)	9,851,407	10,366,667	9,877,933	8,574,091		2,870	5,835	5,683	4,460			
EXTRA STATE		Rural												
		Urban												
	(A)	EXTRA STATE & OTHERS	133,333	-	6,000	-	133,333	128	-	10	-	128		128
SUB TOTAL		EXTRA STATE CONSUMERS	133,333	-	6,000	-		128	-	10	-			
BULK		Rural												
		Urban												
	(A)	NPCL	-	-	-	-	-	-	-	-	-	-		-
	(B)	KESCO	-	-	-	-	-	-	-	-	-	-		-
SUB TOTAL		BULK SUPPLY	-	-	-	-	-	-	-	-	-	-		-
		GRAND TOTAL	3,342	3,497	3,334	3,090		1,344	1,476	1,437	1,427			

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Purvanchal Vidyut Nigam Limited
Vidyut Nagar D.L.W. Varanasi

e) Consumer Sub-category wise Projections

Projections for Nos of Consumer sub-category wise for the two years have been made as given below:

Table 6-10: Sub category wise projections of Number of Consumer

Varanasi Discom				No of Consumer		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17
		Rural				
		Urban				
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	2,333,334	2,286,667	2,240,934
		(ii)	Metered	565,817	893,991	1,412,506
	(B)	Supply at Single Point for Bulk Load		8	8	8
	(C1)	Other Metered Domestic Consumers		868,864	955,750	1,051,325
	(C2)	Life Line Consumers/BPL		50,586	65,762	85,490
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)		3,818,609	4,202,178	4,790,263
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	75,913	84,263	93,532
		(ii)	Metered	122,587	128,716	135,152
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		8	8	8
	(C)	Other Metered Non-Domestic Supply		159,522	166,634	174,063
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)		358,030	379,622	402,756
LMV--3	(A)	Un-metered Supply				
		(i)	Gram Panchyat	306	315	325
		(ii)	Nagar Palika & Nagar Panchyat	406	487	585
		(iii)	Nagar Nigam	577	548	521
	(B)	Metered Supply				
		(i)	Gram Panchyat	-	-	-
		(ii)	Nagar Palika & Nagar Panchyat	48	49	50
		(iii)	Nagar Nigam	22	23	23
SUB TOTAL		PUBLIC LAMPS (LMV-3)		1,359	1,422	1,503
LMV--4	(A)	Public Institution(4 A)		15,557	17,113	18,824
	(B)	Private Institution(4 B)		3,324	3,158	3,000
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)		18,881	20,271	21,824

Varanasi Discom				No of Consumer		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17
LMV--5	(A)	Rural Schedule		-	-	-
		(i)	Un metered Supply	213,080	225,865	239,417
		(ii)	Metered Supply	259	311	373
	(B)	Urban Schedule		-	-	-
		(i)	Metered Supply	5,492	5,657	5,826
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		218,831	231,832	245,616
LMV--6	(A)	Small & Medium Power (Power Loom)		-	-	-
		(i)	Rural Schedule	4,658	4,751	4,846
		(ii)	Urban Schedule	7,018	7,509	8,035
	(B)	Small & Medium Power		-	-	-
		(i)	Rural Schedule	18,670	20,164	21,777
		(ii)	Urban Schedule	9,806	10,002	10,202
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)		40,152	42,426	44,860
LMV--7	(A)	Rural Schedule		-	-	-
		(i)	Jal Nigam	1,065	1,136	1,212
		(ii)	Jal Sansthan	218	222	227
		(iii)	Others (Water Works)	164	180	198
	(B)	Urban Schedule		-	-	-
		(i)	Jal Nigam	499	549	604
		(ii)	Jal Sansthan	638	702	772
		(iii)	Others (Water Works)	157	165	173
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)		2,741	2,954	3,186
LMV--8	(A)	Metered Supply		112	118	123
	(B)	Un-metered Supply		-	-	-
		(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	10,765	10,980	11,200
		(ii)	Laghu Dal Nahar above 100 BHP	220	253	291
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		11,097	11,351	11,614
LMV--9	(A)	Metered Supply		-	-	-
		(i)	Individual Residential Consumers	109	114	120
		(ii)	Others	-	-	-
	(B)	Un-metered Supply		-	-	-
		(i)	Ceremonies	-	-	-
		(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)		109	114	120
LMV--10	(A)	Serving		-	-	-
		(i)	Class IV Employees	3,989	4,069	4,150
		(ii)	Class III Employees	4,239	4,324	4,410
		(iii)	Junior Engineers & Equivalent	846	863	880

Varanasi Discom				No of Consumer		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17
		(iv)	Assistant Engineers & Equivalent	480	485	490
		(v)	Executive Engineers & Equivalent	129	139	150
		(vi)	Deputy General Manager & Equivalent	41	47	54
		(vii)	CGM/GM & Equivalent posts and above	18	21	24
	(B)	Total Pensioner & Family Pensioner		15,708	18,064	20,774
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)		25,450	28,012	30,933
HV—1	(A)	Urban Schedule				
		(i)	For supply at 11kV	339	400	472
		(ii)	For supply above 11kV and upto & Including 66kV	12	13	15
		(iii)	For supply above 66kV and upto & Including 132kV	-	-	-
		(iv)	For supply above 132kV	-	-	-
	(B)	Rural Schedule				
		(i)	For supply at 11kV	15	17	18
		(ii)	For supply above 11kV and upto & Including 66kV	6	6	6
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)		372	436	511
HV—2	(A)	Urban Schedule				
		(i)	For supply at 11kV	706	777	854
		(ii)	For supply above 11kV and upto & Including 66kV	40	42	44
		(iii)	For supply above 66kV and upto & Including 132kV	13	14	14
		(iv)	For supply above 132kV	-	-	-
	(B)	Rural Schedule				
		(i)	For supply at 11kV	152	160	168
		(ii)	For supply above 11kV and upto & Including 66kV	14	14	14
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		925	1,006	1,095
HV—3	(A)	For supply at the above 132kV		4	4	5
	(B)	For supply below 132kV		1	1	1
	(C)	For Metro Traction		-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)		5	6	6
HV—4	(A)	For supply at 11kV		49	51	54

Varanasi Discom			No of Consumer		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17
	(B)	For supply above 11kV and upto 66kV	17	20	24
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)		66	72	78
EXTRA STATE	(A)	EXTRA STATE & OTHERS	2	2	2
SUB TOTAL	EXTRA STATE CONSUMERS		2	2	2
BULK	(A)	NPCL	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL	BULK SUPPLY		-	-	-
	GRAND TOTAL		4,496,629	4,921,704	5,554,367

f) **Connected Load Sub-category wise Projections**

Projections for Connected Load sub-category wise for the two years have been made as given below:

Table 6-11: Sub category wise projections of connected load in kW

Varanasi Discom				Projected Connected Load in KW		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17
		Rural				
		Urban				
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	3,472,635	3,641,674	3,568,840
		(ii)	Metered	797,500	1,260,050	1,990,879
	(B)	Supply at Single Point for Bulk Load		2,637	3,034	3,064
	(C1)	Other Metered Domestic Consumers		1,676,292	1,843,921	2,028,313
	(C2)	Life Line Consumers/BPL		50,685	96,624	125,612
SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)			5,999,749	6,845,303	7,716,708
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"		-	-	-
		(i)	Un-metered	158,472	201,532	223,700
		(ii)	Metered	268,729	309,781	325,270
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		86	-	-
	(C)	Other Metered Non-Domestic Supply		420,126	438,856	458,422

Varanasi Discom				Projected Connected Load in KW		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)		847,413	950,169	1,007,392
LMV--3	(A)	Un-metered Supply		-	-	-
		(i)	Gram Panchyat	3,227	3,324	3,424
		(ii)	Nagar Palika & Nagar Panchyat	13,995	16,794	20,153
		(iii)	Nagar Nigam	4,947	686,969	652,621
	(B)	Metered Supply		-	-	-
		(i)	Gram Panchyat	-	-	-
		(ii)	Nagar Palika & Nagar Panchyat	2,893	2,000	2,040
		(iii)	Nagar Nigam	19,411	32,866	33,852
SUB TOTAL		PUBLIC LAMPS (LMV-3)		44,473	741,953	712,089
LMV--4	(A)	Public Institution(4 A)		132,338	145,572	160,129
	(B)	Private Institution(4 B)		28,510	27,085	25,730
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)		160,848	172,656	185,859
LMV--5	(A)	Rural Schedule		-	-	-
		(i)	Un metered Supply	1,103,535	1,191,278	1,262,755
		(ii)	Metered Supply	1,086	1,303	1,564
	(B)	Urban Schedule		-	-	-
		(i)	Metered Supply	34,417	35,450	36,513
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		1,139,038	1,228,031	1,300,831
LMV--6	(A)	Small & Medium Power (Power Loom)		-	-	-
		(i)	Rural Schedule	35,426	36,135	36,857
		(ii)	Urban Schedule	53,520	62,468	66,840
	(B)	Small & Medium Power		-	-	-
		(i)	Rural Schedule	133,173	160,184	172,999
		(ii)	Urban Schedule	109,770	114,709	117,003
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)		331,889	373,495	393,700
LMV--7	(A)	Rural Schedule		-	-	-
		(i)	Jal Nigam	38,526	39,033	41,640
		(ii)	Jal Sansthan	17,489	60,161	61,364
		(iii)	Others (Water Works)	3,563	8,007	8,808
	(B)	Urban Schedule		-	-	-
		(i)	Jal Nigam	11,813	13,787	15,165
		(ii)	Jal Sansthan	36,890	37,722	41,494
		(iii)	Others (Water Works)	4,306	4,896	5,141
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)		112,587	163,607	173,613
LMV--8	(A)	Metered Supply		1,125	3,528	3,704
	(B)	Un-metered Supply		-	-	-
		(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto	185,304	195,488	199,398

Varanasi Discom				Projected Connected Load in KW		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17
			100 BHP			
		(ii)	Laghu Dal Nahar above 100 BHP	11,891	11,729	13,489
SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)			198,320	210,746	216,591
LMV--9	(A)	Metered Supply		-	-	-
		(i)	Individual Residential Consumers	2,013	3,602	3,782
		(ii)	Others	-	-	-
	(B)	Un-metered Supply		-	-	-
		(i)	Ceremonies	-	-	-
		(ii)	Temporary Shops	-	-	-
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)			2,013	3,602	3,782
LMV--10	(A)	Serving		-	-	-
		(i)	Class IV Employees	10,516	13,068	13,330
		(ii)	Class III Employees	13,953	14,232	14,517
		(iii)	Junior Engineers & Equivalent	3,353	4,215	4,300
		(iv)	Assistant Engineers & Equivalent	2,039	2,059	2,080
		(v)	Executive Engineers & Equivalent	823	975	1,053
		(vi)	Deputy General Manager & Equivalent	239	336	386
		(vii)	CGM/GM & Equivalent posts and above	102	132	151
	(B)	Total Pensioner & Family Pensioner		33,188	38,166	43,891
SUB TOTAL	DEPARTMENTAL EMPLOYEES (LMV-10)			64,213	73,184	79,708
HV--1	(A)	Urban Schedule		-	-	-
		(i)	For supply at 11kV	88,196	104,071	122,804
		(ii)	For supply above 11kV and upto & Including 66kV	18,484	20,702	23,186
		(iii)	For supply above 66kV and upto & Including 132kV	-	-	-
		(iv)	For supply above 132kV	-	-	-
	(B)	Rural Schedule		-	-	-
		(i)	For supply at 11kV	4,342	4,776	5,254
		(ii)	For supply above 11kV and upto & Including 66kV	682	682	682

Varanasi Discom				Projected Connected Load in KW		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)		111,704	130,232	151,926
HV--2	(A)	Urban Schedule		-	-	-
		(i)	For supply at 11kV	181,597	199,757	219,732
		(ii)	For supply above 11kV and upto & Including 66kV	91,078	95,632	100,413
		(iii)	For supply above 66kV and upto & Including 132kV	92,175	96,784	101,623
		(iv)	For supply above 132kV	-	-	-
	(B)	Rural Schedule		-	-	-
		(i)	For supply at 11kV	34,670	36,404	38,224
		(ii)	For supply above 11kV and upto & Including 66kV	33,290	33,623	33,959
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		432,810	462,199	493,952
HV--3	(A)	For supply at the above 132kV		80,975	90,692	101,575
	(B)	For supply below 132kV		78,000	79,560	81,151
	(C)	For Metro Traction		-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)		158,975	170,252	182,726
HV--4	(A)	For supply at 11kV		50,115	52,621	55,252
	(B)	For supply above 11kV and upto 66kV		76,771	90,590	106,896
	(C)	For supply above 66kV and upto 132kV		-	-	-
SUB TOTAL		LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)		126,886	143,211	162,148
EXTRA STATE	(A)	EXTRA STATE & OTHERS		3,000	3,060	3,121
SUB TOTAL		EXTRA STATE CONSUMERS		3,000	3,060	3,121
BULK	(A)	NPCL		-	-	-
	(B)	KESCO		-	-	-
SUB TOTAL		BULK SUPPLY		-	-	-
		GRAND TOTAL		9,733,918	11,671,699	12,784,147

22/06/17
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 Punvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

g) Sales Sub-category wise Projections

Projections for Sales sub-category wise for the two years have been made as given below:

Table 6-12: Sub category wise projections of energy sales

Varanasi Discom			Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
		Rural	100								
		Urban									
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"									
	(i)	Un-metered	3,114	4,720	4,625	3,114	4,720	4,625	3,114	4,720	4,625
	(ii)	Metered	675	1,500	2,369	675	1,460	2,944	675	1,460	2,944
	(B)	Supply at Single Point for Bulk Load	12	0	0	12	0	0	12	0	0
	(C1)	Other Metered Domestic Consumers	2,374	2,783	3,061	2,374	2,810	3,508	2,374	2,810	3,508
	(C2)	Life Line Consumers/BPL	55	87	113	55	84	140	55	84	140
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	6,230	9,089	10,169	6,230	9,074	11,217	6,230	9,074	11,217
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"	-								
	(i)	Un-metered	151	261	290	151	261	290	151	261	290
	(ii)	Metered	367	561	589	367	547	731	367	547	731
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	3	-	-	3	-	-	3	-	-
	(C)	Other Metered Non-Domestic Supply	618	645	674	618	652	765	618	652	765
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	1,139	1,468	1,553	1,139	1,459	1,787	1,139	1,459	1,787
LMV--3	(A)	Un-metered Supply	-								
	(i)	Gram Panchyat	10	12	12	10	12	12	10	12	12

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Varanasi Discom			Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
		(ii) Nagar Palika & Nagar Panchyat	38	73	87	38	73	87	38	73	87
		(iii) Nagar Nigam	20	2,968	2,819	20	2,968	2,819	20	2,968	2,819
	(B)	Metered Supply	-	-	-						
		(i) Gram Panchyat	1	-	-	1	-	-	1	-	-
		(ii) Nagar Palika & Nagar Panchyat	15	10	10	15	10	13	15	10	13
		(iii) Nagar Nigam	74	128	131	74	130	154	74	130	154
SUB TOTAL		PUBLIC LAMPS (LMV-3)	157	3,190	3,060	157	3,192	3,085	157	3,192	3,085
LMV--4	(A)	Public Institution(4 A)	344	477	525	344	473	635	344	473	635
	(B)	Private Institution(4 B)	82	78	74	82	78	89	82	78	89
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	426	555	599	426	550	723	426	550	723
LMV--5	(A)	Rural Schedule	-								
		(i) Un metered Supply	1,230	1,965	2,083	1,230	1,965	2,083	1,230	1,965	2,083
		(ii) Metered Supply	7	17	20	7	17	20	7	17	20
	(B)	Urban Schedule	-	-	-						
		(i) Metered Supply	60	64	66	60	64	66	60	64	66
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	1,297	2,047	2,170	1,297	2,047	2,170	1,297	2,047	2,170
LMV--6	(A)	Small & Medium Power (Power Loom)	-								
		(i) Rural Schedule	56	57	58	56	55	72	56	55	72
		(ii) Urban Schedule	67	78	83	67	76	103	67	76	103
	(B)	Small & Medium Power	-	-	-						
		(i) Rural Schedule	160	242	261	160	236	323	160	236	323
		(ii) Urban Schedule	193	202	206	193	201	244	193	201	244
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	476	579	609	476	569	742	476	569	742
LMV--7	(A)	Rural Schedule	-	-	-						
		(i) Jal Nigam	154	187	199	154	187	199	154	187	199

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Varanasi Discom			Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
		(ii) Jal Sansthan	62	249	254	62	249	254	62	249	254
		(iii) Others (Water Works)	19	43	48	19	43	48	19	43	48
	(B)	Urban Schedule	-	-	-						
		(i) Jal Nigam	113	132	145	113	132	145	113	132	145
		(ii) Jal Sansthan	242	248	272	242	248	272	242	248	272
		(iii) Others (Water Works)	15	16	17	15	16	17	15	16	17
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	605	875	936	605	875	936	605	875	936
LMV--8	(A)	Metered Supply	7	336	353	7	336	353	7	336	353
	(B)	Un-metered Supply	-	-	-	-	-	-	-	-	-
		(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	973	704	718	973	704	718	973	704	718
		(ii) Laghu Dal Nahar above 100 BHP	64	16	19	63.60	16.22	18.66	64	16	19
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	1,043	1,056	1,090	1,043	1,056	1,090	1,043	1,056	1,090
LMV--9	(A)	Metered Supply	-	-	-						
		(i) Individual Residential Consumers	15	26	27	15	25	34	14.6	25	34
		(ii) Others	-	-	-	-	-	-	-	-	-
	(B)	Un-metered Supply	-	-	-						
		(i) Ceremonies	-	-	-	-	-	-	-	-	-
		(ii) Temporary Shops	-	-	-	-	-	-	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	15	26	27	15	25	34	15	25	34
LMV--10	(A)	Serving	-	-	-				-	-	-
		(i) Class IV Employees	11	11	11	11	11	13	11	11	13
		(ii) Class III Employees	12	13	13	12	13	15	12	13	15
		(iii) Junior Engineers & Equivalent	4	5	5	4	5	5	4	5	5

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Vidyut Nagar D.L.N., Varanasi

Varanasi Discom				Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
		(iv)	Assistant Engineers & Equivalent	4	4	4	4	4	5	4	4	5
		(v)	Executive Engineers & Equivalent	1	2	2	1	2	2	1	2	2
		(vi)	Deputy General Manager & Equivalent	0	0	0	0	0	1	0	0	1
		(vii)	CGM/GM & Equivalent posts and above	0	0	0	0	0	0	0	0	0
	(B)	Total Pensioner & Family Pensioner		48	56	64	48	54	78	48	54	78
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)		82	90	99	82	89	119	82	89	119
HV--1	(A)	Urban Schedule		-	-	-						
		(i)	For supply at 11kV	234	277	326	234	277	326	234	277	326
		(ii)	For supply above 11kV and upto & Including 66kV	48	71	79	48	71	79	48	71	79
		(iii)	For supply above 66kV and upto & Including 132kV	-	-	-	-	-	-	-	-	-
		(iv)	For supply above 132kV	0	-	-	0	-	-	0	-	-
	(B)	Rural Schedule		-	-	-						
		(i)	For supply at 11kV	5	16	17	5	16	17	5	16	17
		(ii)	For supply above 11kV and upto & Including 66kV	1	2	2	1	2	2	1	2	2
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)		289	365	425	289	365	425	289	365	425
HV--2	(A)	Urban Schedule		-	-	-						
		(i)	For supply at 11kV	543	598	657	543	598	657	543	598	657
		(ii)	For supply above 11kV and upto & Including 66kV	313	339	356	313	339	356	313	339	356
		(iii)	For supply above 66kV and upto & Including 132kV	114	120	126	114	120	126	114	120	126
		(iv)	For supply above 132kV	-	-	-	-	-	-	-	-	-
	(B)	Rural Schedule		-	-	-						

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Varanasi Discom			Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
		(i) For supply at 11kV	52	86	90	52	86	90	52	86	90
		(ii) For supply above 11kV and upto & Including 66kV	89	125	127	89	125	127	89	125	127
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		1,110	1,268	1,356	1,110	1,268	1,356	1,110	1,268	1,356
HV-3	(A)	For supply at the above 132kV	256	287	322	256	287	322	256	287	322
	(B)	For supply below 132kV	196	268	273	196	268	273	196	268	273
	(C)	For Metro Traction	6	-	-	6	-	-	6	-	-
SUB TOTAL	RAILWAY TRACTION (HV-3)		459	555	595	459	555	595	459	555	595
HV-4	(A)	For supply at 11kV	200	294	309	200	294	309	200	294	309
	(B)	For supply above 11kV and upto 66kV	355	604	712	355	604	712	355	604	712
	(C)	For supply above 66kV and upto 132kV	11	-	-	11	-	-	11	-	-
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)		566	898	1,021	566	898	1,021	566	898	1,021
EXTRA STATE	(A)	EXTRA STATE & OTHERS	-	0	0	-	0	0	-	0.39	0.40
SUB TOTAL	EXTRA STATE CONSUMERS		-	0	0	-	0	0	-	0.39	0.40
BULK	(A)	NPCL	-	-	-	-	-	-	-	-	-
	(B)	KESCO	-	-	-	-	-	-	-	-	-
SUB TOTAL	BULK SUPPLY		-	-	-	-	-	-	-	-	-
	GRAND TOTAL		13,893	22,061	23,710	13,893	22,023	25,301	13,893	22,023	25,301

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6.3 ACTUAL BILLING DETERMINANTS FOR FY 2014-15

The detailed category-wise data for previous year 2014-15 is placed in the table below:

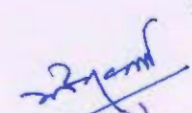
Table 6-13: Actual Billing Determinant for FY 2014-15

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2014-15		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	2,333,334	3,472,635	3,114
		(ii)	Metered	565,817	797,500	675
	(B)	Supply at Single Point for Bulk Load		8	2,637	12
	(C1)	Other Metered Domestic Consumers		868,864	1,676,292	2,374
	(C2)	Life Line Consumers/BPL		50,586	50,685	55
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)		3,818,609	5,999,749	6,230
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	75,913	158,472	151
		(ii)	Metered	122,587	268,729	367
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		8	86	3
	(C)	Other Metered Non-Domestic Supply		159,522	420,126	618
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV- 2)		358,030	847,413	1,139
LMV--3	(A)	Un-metered Supply				
		(i)	Gram Panchyat	306	3,227	10
		(ii)	Nagar Palika & Nagar Panchyat	406	13,995	38
		(iii)	Nagar Nigam	577	4,947	20
	(B)	Metered Supply				
		(i)	Gram Panchyat	-	-	1
		(ii)	Nagar Palika & Nagar Panchyat	48	2,893	15
		(iii)	Nagar Nigam	22	19,411	74
SUB TOTAL		PUBLIC LAMPS (LMV-3)		1,359	44,473	157
LMV--4	(A)	Public Institution(4 A)		15,557	132,338	344
	(B)	Private Institution(4 B)		3,324	28,510	82
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)		18,881	160,848	426
LMV--5	(A)	Rural Schedule				
		(i)	Un metered Supply	213,080	1,103,535	1,230
		(ii)	Metered Supply	259	1,086	7
	(B)	Urban Schedule				

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2014-15		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(i)	Metered Supply	5,492	34,417	60
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		218,831	1,139,038	1,297
LMV--6	(A)	Small & Medium Power (Power Loom)				
		(i)	Rural Schedule	4,658	35,426	56
		(ii)	Urban Schedule	7,018	53,520	67
	(B)	Small & Medium Power				
		(i)	Rural Schedule	18,670	133,173	160
		(ii)	Urban Schedule	9,806	109,770	193
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)		40,152	331,889	476
LMV--7	(A)	Rural Schedule				
		(i)	Jal Nigam	1,065	38,526	154
		(ii)	Jal Sansthan	218	17,489	62
		(iii)	Others (Water Works)	164	3,563	19
	(B)	Urban Schedule				
		(i)	Jal Nigam	499	11,813	113
		(ii)	Jal Sansthan	638	36,890	242
		(iii)	Others (Water Works)	157	4,306	15
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)		2,741	112,587	605
LMV--8	(A)	Metered Supply		112	1,125	7
	(B)	Un-metered Supply				
		(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	10,765	185,304	973
		(ii)	Laghu Dal Nahar above 100 BHP	220	11,891	64
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		11,097	198,320	1,043
LMV--9	(A)	Metered Supply				
		(i)	Individual Residential Consumers	109	2,013	15
		(ii)	Others	-	-	-
	(B)	Un-metered Supply				
		(i)	Ceremonies	-	-	-
		(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)		109	2,013	15
LMV-- 10	(A)	Serving				
		(i)	Class IV Employees	3,989	10,516	11
		(ii)	Class III Employees	4,239	13,953	12
		(iii)	Junior Engineers & Equivalent	846	3,353	4


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SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(iv) Assistant Engineers & Equivalent	480	2,039	4
		(v) Executive Engineers & Equivalent	129	823	1
		(vi) Deputy General Manager & Equivalent	41	239	0
		(vii) CGM/GM & Equivalent posts and above	18	102	0
	(B)	Total Pensioner & Family Pensioner	15,708	33,188	48
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	25,450	64,213	82
HV--1	(A)	Urban Schedule			
		(i) For supply at 11kV	339	88,196	234
		(ii) For supply at 33 kV & above	12	18,484	49
	(B)	Rural Schedule			
		(i) For supply at 11kV	15	4,342	5
		(ii) For supply at 33 kV & above	6	682	1
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	372	111,704	289
HV--2	(A)	Urban Schedule			
		(i) For supply at 11kV	706	181,597	543
		(ii) For supply above 11kV and upto & Including 66kV	40	91,078	313
		(iii) For supply above 66kV and upto & Including 132kV	13	92,175	114
		(iv) For supply above 132kV	-	-	-
	(B)	Rural Schedule			
		(i) For supply at 11kV	152	34,670	52
		(ii) For supply above 11kV and upto & Including 66kV	14	33,290	89
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	925	432,810	1,110
HV--3	(A)	For supply at and above 132kV	4	80,975	256
	(B)	For supply below 132kV	1	78,000	196
	(C)	For Delhi Metro Rail	-	-	6
SUB TOTAL		RAILWAY TRACTION (HV-3)	5	158,975	459
HV--4	(A)	For supply at 11kV	49	50,115	200
	(B)	For supply above 11kV and upto 66kV	17	76,771	355
	(C)	For supply above 66kV and upto 132kV	-	-	11
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)	66	126,886	566
EXTRA STATE	(A)	EXTRA STATE & OTHERS	2	3,000	-


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SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
SUB TOTAL		EXTRA STATE CONSUMERS	2	3,000	-
BULK	(A)	Torrent (Depicted as Retail Sales)	-	-	-
	(B)	KESCO			
SUB TOTAL		BULK SUPPLY	-	-	-
		GRAND TOTAL	4,496,629	9,733,918	13,893

6.4 BILLING DETERMINANTS FOR FY 2015-16

The estimated category-wise billing determinants for the FY 2015-16 is placed in the table below:

Table 6-14: Estimated Billing Determinant for FY 2015-16

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	2,286,667	3,641,674	4,720
		(ii) Metered	893,991	1,260,050	1,460
	(B)	Supply at Single Point for Bulk Load	8	3,034	0
	(C1)	Other Metered Domestic Consumers	955,750	1,843,921	2,810
	(C2)	Life Line Consumers/BPL	65,762	96,624	84
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	4,202,178	6,845,303	9,074
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	84,263	201,532	261
		(ii) Metered	128,716	309,781	547
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	8	-	-
	(C)	Other Metered Non-Domestic Supply	166,634	438,856	652
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	379,622	950,169	1,459
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	315	3,324	12
		(ii) Nagar Palika & Nagar Panchyat	487	16,794	73
		(iii) Nagar Nigam	548	686,969	2,968
	(B)	Metered Supply			
		(i) Gram Panchyat	-	-	-

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(ii) Nagar Palika & Nagar Panchayat	49	2,000	10
		(iii) Nagar Nigam	23	32,866	130
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,422	741,953	3,192
LMV-4	(A)	Public Institution(4 A)	17,113	145,572	473
	(B)	Private Institution(4 B)	3,158	27,085	78
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	20,271	172,656	550
LMV-5	(A)	Rural Schedule			
		(i) Un metered Supply	225,865	1,191,278	1,965
		(ii) Metered Supply	311	1,303	17
	(B)	Urban Schedule			
		(i) Metered Supply	5,657	35,450	64
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	231,832	1,228,031	2,047
LMV-6	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	4,751	36,135	55
		(ii) Urban Schedule	7,509	62,468	76
	(B)	Small & Medium Power			
		(i) Rural Schedule	20,164	160,184	236
		(ii) Urban Schedule	10,002	114,709	201
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	42,426	373,495	569
LMV-7	(A)	Rural Schedule			
		(i) Jal Nigam	1,136	39,033	187
		(ii) Jal Sansthan	222	60,161	249
		(iii) Others (Water Works)	180	8,007	43
	(B)	Urban Schedule			
		(i) Jal Nigam	549	13,787	132
		(ii) Jal Sansthan	702	37,722	248
		(iii) Others (Water Works)	165	4,896	16
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	2,954	163,607	875
LMV-8	(A)	Metered Supply	118	3,528	336
	(B)	Un-metered Supply			
		(i) STW, Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	10,980	195,488	704
		(ii) Laghu Dal Nahar above 100 BHP	253	11,729	16
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	11,351	210,746	1,056
LMV-9	(A)	Metered Supply			
		(i) Individual Residential Consumers	114	3,602	25
		(ii) Others	-	-	-

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SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Un-metered Supply			
	(i)	Ceremonies	-	-	-
	(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	114	3,602	25
LMV-- 10	(A)	Serving			
	(i)	Class IV Employees	4,069	13,068	11
	(ii)	Class III Employees	4,324	14,232	13
	(iii)	Junior Engineers & Equivalent	863	4,215	5
	(iv)	Assistant Engineers & Equivalent	485	2,059	4
	(v)	Executive Engineers & Equivalent	139	975	2
	(vi)	Deputy General Manager & Equivalent	47	336	0
	(vii)	CGM/GM & Equivalent posts and above	21	132	0
	(B)	Total Pensioner & Family Pensioner	18,064	38,166	54
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	28,012	73,184	89
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	400	104,071	277
	(ii)	For supply at 33 kV & above	13	20,702	71
	(B)	Rural Schedule			
	(i)	For supply at 11kV	17	4,776	16
	(ii)	For supply at 33 kV & above	6	682	2
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	436	130,232	365
HV--2	(A)	Urban Schedule			
	(i)	For supply at 11kV	777	199,757	598
	(ii)	For supply above 11kV and upto & Including 66kV	42	95,632	339
	(iii)	For supply above 66kV and upto & Including 132kV	14	96,784	120
	(iv)	For supply above 132kV	-	-	-
	(B)	Rural Schedule			
	(i)	For supply at 11kV	160	36,404	86
	(ii)	For supply above 11kV and upto & Including 66kV	14	33,623	125
SUB		LARGE & HEAVY POWER ABOVE 100 BHP	1,006	462,199	1,268

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
TOTAL		(75 kW) (HV-2)			
HV--3	(A)	For supply at and above 132kV	4	90,692	287
	(B)	For supply below 132kV	1	79,560	268
	(C)	For Delhi Metro Rail	-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)	6	170,252	555
HV--4	(A)	For supply at 11kV	51	52,621	294
	(B)	For supply above 11kV and upto 66kV	20	90,590	604
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)	72	143,211	898
EXTRA STATE	(A)	EXTRA STATE & OTHERS	2	3,060	0
SUB TOTAL		EXTRA STATE CONSUMERS	2	3,060	0
BULK	(A)	Torrent	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
		GRAND TOTAL	4,921,704	11,671,699	22,023

6.5 PROJECTED BILLING DETERMINANTS FOR FY 2016-17

The projected category-wise billing determinants for the FY 2016-17 is placed in the table below:

Table 6-15: Projected Billing Determinant for FY 2016-17

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2016-17	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	2,240,934	3,568,840	4,625
		(ii) Metered	1,412,506	1,990,879	2,944
	(B)	Supply at Single Point for Bulk Load	8	3,064	0
	(C1)	Other Metered Domestic Consumers	1,051,325	2,028,313	3,508
	(C2)	Life Line Consumers/BPL	85,490	125,612	140
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	4,790,263	7,716,708	11,217
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	93,532	223,700	290
		(ii) Metered	135,152	325,270	731
	(B)	Private Advertising/Sign Post/Sign	8	-	-

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2016-17	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		Board/Glow Sign/Flex			
	(C)	Other Metered Non-Domestic Supply	174,063	458,422	765
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	402,756	1,007,392	1,787
LMV-3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	325	3,424	12
	(ii)	Nagar Palika & Nagar Panchyat	585	20,153	87
	(iii)	Nagar Nigam	521	652,621	2,819
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	50	2,040	13
	(iii)	Nagar Nigam	23	33,852	154
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,503	712,089	3,085
LMV-4	(A)	Public Institution(4 A)	18,824	160,129	635
	(B)	Private Institution(4 B)	3,000	25,730	89
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	21,824	185,859	723
LMV-5	(A)	Rural Schedule			
	(i)	Un metered Supply	239,417	1,262,755	2,083
	(ii)	Metered Supply	373	1,564	20
	(B)	Urban Schedule			
	(i)	Metered Supply	5,826	36,513	66
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	245,616	1,300,831	2,170
LMV-6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	4,846	36,857	72
	(ii)	Urban Schedule	8,035	66,840	103
	(B)	Small & Medium Power			
	(i)	Rural Schedule	21,777	172,999	323
	(ii)	Urban Schedule	10,202	117,003	244
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	44,860	393,700	742
LMV-7	(A)	Rural Schedule			
	(i)	Jal Nigam	1,212	41,640	199
	(ii)	Jal Sansthan	227	61,364	254
	(iii)	Others (Water Works)	198	8,808	48
	(B)	Urban Schedule			
	(i)	Jal Nigam	604	15,165	145
	(ii)	Jal Sansthan	772	41,494	272
	(iii)	Others (Water Works)	173	5,141	17
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	3,186	173,613	936
LMV-8	(A)	Metered Supply	123	3,704	353

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2016-17	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Un-metered Supply			
	(i)	STW, Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	11,200	199,398	718
	(ii)	Laghu Dal Nahar above 100 BHP	291	13,489	19
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP (LMV-8)	11,614	216,591	1,090
LMV-9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	120	3,782	34
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	-	-	-
	(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	120	3,782	34
LMV-10	(A)	Serving			
	(i)	Class IV Employees	4,150	13,330	13
	(ii)	Class III Employees	4,410	14,517	15
	(iii)	Junior Engineers & Equivalent	880	4,300	5
	(iv)	Assistant Engineers & Equivalent	490	2,080	5
	(v)	Executive Engineers & Equivalent	150	1,053	2
	(vi)	Deputy General Manager & Equivalent	54	386	1
	(vii)	CGM/GM & Equivalent posts and above	24	151	0
	(B)	Total Pensioner & Family Pensioner	20,774	43,891	78
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	30,933	79,708	119
HV-1	(A)	Urban Schedule			
	(i)	For supply at 11kV	472	122,804	326
	(ii)	For supply at 33 kV & above	15	23,186	79
	(B)	Rural Schedule			
	(i)	For supply at 11kV	18	5,254	17
	(ii)	For supply at 33 kV & above	6	682	2
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	511	151,926	425
HV-2	(A)	Urban Schedule			
	(i)	For supply at 11kV	854	219,732	657
	(ii)	For supply above 11kV and upto & Including 66kV	44	100,413	356
	(iii)	For supply above 66kV and upto & Including 132kV	14	101,623	126
	(iv)	For supply above 132kV	-	-	-

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2016-17	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Rural Schedule			
	(i)	For supply at 11kV	168	38,224	90
	(ii)	For supply above 11kV and upto & Including 66kV	14	33,959	127
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	1,095	493,952	1,356
HV--3	(A)	For supply at and above 132kV	5	101,575	322
	(B)	For supply below 132kV	1	81,151	273
	(C)	For Delhi Metro Rail	-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)	6	182,726	595
HV--4	(A)	For supply at 11kV	54	55,252	309
	(B)	For supply above 11kV and upto 66kV	24	106,896	712
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)	78	162,148	1,021
EXTRA STATE	(A)	EXTRA STATE & OTHERS	2	3,121	0
SUB TOTAL		EXTRA STATE CONSUMERS	2	3,121	0
BULK	(A)	Torrent	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
		GRAND TOTAL	5,554,367	12,784,147	25,301

6.6 SALES FORECAST AND ENERGY BALANCE

The actual Distribution Losses in FY 2014-15 were 23.88%. The Petitioner estimates its Distribution losses at 20.93% for FY 2015-16. In the ensuing year FY 2016-17, the Petitioner has projected a Distribution loss of 19.25%. The petitioner has also submitted a loss trajectory before the Hon'ble Commission being in line with the loss reduction trajectory suggested by Ministry of Power, Government of India. Thus considering the commitments made by the Petitioner in the aforesaid submission, it has estimated the above losses for FY 2015-16 & FY 2016-17 as per its earlier submissions made before the Hon'ble Commission. Also if in case the actual losses for FY 2014-15 are lower than the committed losses as per the trajectory, the petitioner has estimated a 2% reduction in the Distribution Losses each year over the actual loss level of FY 2014-15.

Based on the aforementioned sales forecast and loss levels, the energy balance for FY 2016-17 is presented in the table below:

Table 6-16: Energy Balance for FY 2014-15, 2015-16 and 2016-17

Energy Balance	Unit	FY 2014-15	FY 2015-16	FY 2016-17
Power Purchase	MU	18,251.83	27,853.00	31,332.81
Line Losses	MU	4,358.50	5,829.63	6,031.57
Sales	MU	13,893.33	22,023.36	25,301.24
Distribution Losses	%	23.88%	20.93%	19.25%

6.7 ESTIMATED REVENUE ASSESSMENT FOR FY 2015-16

The table below presents the projected revenue assessment in FY 2015-16 based on UPERC Tariff order dated 1st October 2014 and 18th June 2015.

Table 6-17: Revenue Assessment for FY 2015-16

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	2,768.39	9,074.08	3.05
(a) Consumer getting supply as per "Rural Schedule"	901.77	6,179.93	1.46
(b) Supply at Single Point for Bulk Loads	0.32	0.01	253.17
(c) Other Metered Domestic Consumers	1,841.73	2,809.76	6.55
(d) Life Line Consumers	24.57	84.37	2.91
LMV-2: Non Domestic Light, Fan & Power	811.23	1,459.28	5.56
(a) Non-Domestic (Rural)	233.64	807.76	2.89
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c) Non-Domestic (Urban Metered)	577.59	651.52	8.87
LMV-3: Public Lamps	2,618.03	3,192.07	8.20
LMV-4: Institutions	419.27	550.17	7.62
(a) Public Institution	356.52	472.57	7.54
(b) Private Institution	62.75	77.60	8.09
LMV-5: Private Tube Wells	181.33	2,046.70	0.89
(a) Rural	144.69	1,982.38	0.73
(b) Urban	36.63	64.32	5.70
LMV 6: Small and Medium Power	474.42	568.74	8.34
LMV-7: Public Water Works	638.87	875.32	7.30
LMV-8: State Tubewells & Pumped Canals	676.92	1,056.30	6.41
LMV-9: Temporary Supply	19.38	25.50	7.60

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
LMV-10: Deptt. Empl. & Pensioners	35.89	88.75	4.04
HV-1: Non-Industrial Bulk Load	299.16	365.39	8.19
HV-2: Large & Heavy Power	926.75	1,267.95	7.31
HV-3: Railway Traction	417.23	554.92	7.52
HV-4: Lift Irrigation Works	638.85	897.82	7.12
Sub Total	10,925.72	22,022.97	4.96
Bulk & Extra State	-	0.39	-
Varanasi DisCom	10,925.72	22,023.36	4.96

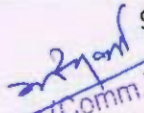
6.8 PROJECTED REVENUE ASSESSMENT FOR FY 2016-17

The table below presents the projected revenue assessment for FY 2016-17 on current tariff based on UPERC Tariff Order for FY 2015-16 dated 18th June 2015.

Table 6-18: Revenue Assessment for FY 2016-17

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	3,570.71	11,217.22	3.18
(a) Consumer getting supply as per "Rural Schedule"	1,262.02	7,569.62	1.67
(b) Supply at Single Point for Bulk Loads	0.32	0.01	233.61
(c) Other Metered Domestic Consumers	2,269.74	3,507.84	6.47
(d) Life Line Consumers	38.63	139.75	2.76
LMV-2: Non Domestic Light, Fan & Power	958.38	1,786.64	5.36
(a) Non-Domestic(Rural)	295.29	1,021.29	2.89
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c) Non-Domestic (Urban Metered)	663.08	765.34	8.66
LMV-3: Public Lamps	2,520.40	3,085.47	8.17
LMV-4: Institutions	558.83	723.44	7.72
(a) Public Institution	451.08	634.63	7.11
(b) Private Institution	66.92	88.81	7.54
LMV-5: Private Tube Wells	191.35	2,169.94	0.88
(a) Rural	153.62	2,103.69	0.73
(b) Urban	37.73	66.25	5.70
LMV 6: Small and Medium Power	594.03	742.04	8.01
LMV-7: Public Water Works	683.36	935.86	7.30

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
LMV-8: State Tubewells & Pumped Canals	700.63	1,089.62	6.43
LMV-9: Temporary Supply	25.01	33.94	7.37
LMV-10: Deptt. Empl. & Pensioners	40.53	119.34	3.40
HV-1: Non-Industrial Bulk Load	348.41	425.24	8.19
HV-2: Large & Heavy Power	992.20	1,356.21	7.32
HV-3: Railway Traction	446.85	594.73	7.51
HV-4: Lift Irrigation Works	725.96	1,021.16	7.11
Sub Total	12,356.66	25,300.84	4.88
Bulk & Extra State	0.17	0.39	4.28
Varanasi DisCom	12,315.99	25,301.24	4.87

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 Vidyut Nagar D.L.W., Varanasi

7. ARR FOR WHEELING & RETAIL SUPPLY BUSINESS

The Hon'ble Commission has issued Distribution Tariff Regulations, which require that the Distribution Licensee shall file Aggregate Revenue Requirement (ARR) complete in all respect along with requisite fees as prescribed by the Commission. The ARR Petition shall contain details of estimated expenditure and expected revenue that it may recover in the ensuing financial year at the prevailing rate of tariff. Further the Distribution Tariff Regulations require that ARR shall separately indicate Aggregate Revenue Requirement (ARR) for Wheeling & Retail Supply function embedded in the distribution function. Till such time complete segregation of accounts between Wheeling and Retail Supply Business takes place, ARR proposals for Wheeling and Retail Supply Business shall be prepared based on an allocation statement to the best judgment of the distribution licensee. The Hon'ble Commission in Distribution Tariff Regulations has broadly classified cost incurred by the licensee as controllable & uncontrollable costs. Uncontrollable cost include fuel cost, increase in cost due to changes in interest rate, increase of cost due to inflation, taxes & cess, variation of power purchase unit costs etc. The FY 2007-08 Tariff Order is the first Order issued by the Hon'ble Commission in accordance with the Distribution Tariff Regulations; in this Tariff Order, the Hon'ble Commission used allocation methodology for segregation of Wheeling & Retail Supply business function of ARR. The Petitioner has adopted the same methodology for deriving wheeling charges, as the complete segregation of accounts between Wheeling and Retail Supply business has not yet been completed.

COMPONENTS OF ANNUAL REVENUE REQUIREMENT

Distribution Tariff Regulations prescribe that annual expenditure of a distribution licensee comprises of the following components:

- a. Power Purchase Cost
- b. Transmission Charge
- c. Operation & Maintenance Expense (Employee Costs A&G Expenses & R&M Expenses)
- d. Depreciation
- e. Interest & Financing Costs
- f. Bad and Doubtful Debts
- g. Return on Equity
- h. Taxes on Income
- i. Other expense
- j. Contribution to Contingency Reserve

The Petitioner in the current petition is filing the ARR for FY 2016-17 for the kind approval by the Hon'ble Commission. In estimating the ARR, the main objective of the Petitioner is to reduce or at least contain the expenses to the extent possible thereby reducing the cost burden on the consumers. The Hon'ble Commission issued the true up order for FY 2012-13 and ARR & Tariff order for FY 2015-16 on 18th June 2015 in which it adopted a normative approach towards capital

investment and other aspects. The current ARR Petition is being filed by the Petitioner in strict compliance with the Distribution Tariff Regulations and in line with the philosophies established by the Hon'ble Commission in its previous true-up and ARR orders.

The Petitioner is making concerted efforts to improve the quality of supply and customer service level. The Petitioner has made elaborate plan for capital investment. In spite of the Petitioner's effort to control expenses the total Revenue Requirement has risen mainly due to uncontrollable factor such as power purchase cost. The Petitioner would like to highlight that all the revenue realized has been utilized in making power purchase cost.

The detailed analysis & estimate of all the elements of ARR for FY 2016-17 have been presented in the subsequent sections with appropriate explanations. The cost elements of ARR have been estimated based on the provisional un-audited accounts of FY 2014-15 and expenses available till date for the FY 2015-16.

The Distribution Tariff Regulations suggest for formulation of an escalation index linked with appropriate indices/rates like Consumer Price Index (CPI) and Wholesale Price Index (WPI) as notified by Central Government for different years. As per the Distribution Tariff Regulations for determination of Operation & Maintenance expenses (which comprises of employee cost, administrative and general (A&G) expenses and repair and maintenance (R&M) expenses) for the years under consideration, the O&M expenses of the base year shall be escalated at inflation rates notified by the Central Government for different years. The inflation rate for above purpose shall be the weighted average of Wholesale Price Index and Consumer Price Index in the ratio of 60:40. Therefore it is imperative to first calculate an Escalation index based on the guidelines provided in the Distribution Tariff Regulations.

7.1 ESCALATION INDEX / INFLATION RATE

The Distribution Tariff Regulations issued by Hon'ble Commission provides that expenses of the base year shall be escalated at Inflation/Escalation rate notified by Central Government for different years. The inflation rate for this purpose shall be weighted average of Wholesale Price Index and Consumer Price Index in the ratio of 60:40. Therefore for the purpose of this ARR, the Petitioner has used this methodology in arriving at Escalation Index/Inflation Rate of 4.01% in FY 2015-16 and 0.92% in FY 2016-17. This Escalation / Inflation index has been used in estimation of various components of ARR. The calculation of Escalation/ Inflation Index is given in following table:

Inflation Rate=0.6*Inflation based on WPI + 0.4*Inflation based on CPI

Table 7-1: Escalation Index for FY 2015-16

Month	Wholesale Price Index		Consumer Price Index		Consolidated Index	
	FY 14	FY 15	FY 14	FY 15	FY 14	FY 15
April	171	181	226	242	193	205
May	171	182	228	244	194	207
June	173	183	231	246	196	208
July	176	185	235	252	199	212
August	179	186	237	253	202	213
September	181	185	238	253	204	212
October	181	184	241	253	205	211
November	182	181	243	253	206	210
December	180	179	239	253	203	208
January	179	177	237	254	202	208
February	180	176	238	253	203	207
March	180	176	239	254	204	207
Average	178	181	236	251	200.99	209.05
Hike	Calculation of Inflation Index (CPI-40%, WPI-60%)					
Weighted Average of Inflation						4.01%

WPI-<http://eaindustry.nic.in>CPI-<http://labourbureau.nic.in/intab.html>

Table 7-2: Escalation Index for FY 2016-17

Month	Wholesale Price Index			Consumer Price Index			FY14	FY15	FY16
	FY 14	FY 15	FY 16	FY 14	FY 15	FY 16			
April	171	181	176	226	242	256	193	205	208
May	171	182	178	228	244	258	194	207	210
June	173	183	179	231	246	261	196	208	212
July	176	185	178	235	252	263	199	212	212
August	179	186	177	237	253	264	202	213	212
September	181	185	177	238	253	266	204	212	212
October	181	184		241	253		205	211	
November	182	181		243	253		206	210	
December	180	179		239	253		203	208	
January	179	177		237	254		202	208	
February	180	176		238	253		203	207	
March	180	176		239	254		204	207	
Average	178	181	177	236	251	261	201	209	211
Weighted Average of Inflation									0.92%

WPI-<http://eaindustry.nic.in>CPI-<http://labourbureau.nic.in/intab.html>

7.2 POWER PURCHASE COSTS

The Distribution Tariff Regulations provides that the distribution licensee shall have flexibility of procuring power from any source in the country. However it shall procure power on least cost basis and as per merit order principle. A two-part tariff structure shall be adopted for all long term contracts to facilitate merit order dispatch. The cost of energy available from State Generating Stations shall be assessed as per tariffs approved by the Commission and that of energy from central sector stations shall be taken as per tariffs approved by Hon'ble Central Electricity Regulatory Commission. The cost of energy from other sources shall be assessed as per the power purchase/banking/trading agreements and tariffs approved by the Hon'ble Commission. The cost of power purchase from Independent Power Producers (IPPs) within the State shall be as per the tariffs determined in accordance with UPERC (Terms and Conditions of Generation Tariff) Regulations. Similarly the cost of power purchase from IPPs outside the State shall be as per the tariffs and power purchase agreement approved by the Hon'ble Commission. Accordingly, the Petitioner has estimated power purchase cost for FY 2015-16 and FY 2016-17 based on above guiding factors provided in the regulations. Some key assumptions considered in forecasting power purchase units & costs are given below:

- Actual power purchase cost and units of FY 2013-14
- Provisional power purchase cost and units for FY 2014-15
- Trend observed in the previous and current year.
- Impact of loss reduction initiatives.
- Estimated growth in sales.
- Share of expected capacity available from various generators to the UPPCL/DisCom.

For the ensuing year, the Petitioner has projected aggregate T&D losses of 24.70% (at generation end) for overall UPPCL level, which is a reduction in commercial as well as technical losses. The reduction in these losses will be achieved by bringing the unauthorized use of electricity into the billing net and accurately measuring the consumption of electricity as well as reduction in technical losses by replacing /installing adequate capacity equipments.

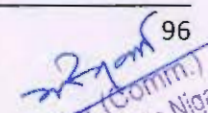
Distribution licensees are purchasing power from UPPCL at the rate of bulk supply tariff decided by the Hon'ble Commission where as UPPCL procures power from various generating stations i.e. central as well as state generating stations on behalf of distribution companies. UPPCL is currently taking steps to ensure that its purchases are optimized with respect to merit order dispatch and avoid unscheduled interchange (UI) based on frequency deviations from the prescribed band. Purchases are currently being optimized on a "short-term" day-to-day and hour-to-hour basis. The current power procurement plan is based on an exercise of merit order dispatch and probabilistic analysis conducted on monthly basis.

Summary of energy balances projected and corresponding purchased power details for FY 2015-16 and FY 2016-17 are shown in the tables below:

A detailed Power Procurement Plan and "merit order" dispatch are provided in 'Appendix-1'.

Table 7-3: Details of Power Procurement Cost for FY-2015-16

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,862	0.72	277	2.04	786	2.75	1,064	2.75
Anpara B	1,000	7,213	1.09	786	1.88	1,354	2.97	2,140	2.97
Harduagunj	165	301	1.52	46	3.52	106	5.03	151	5.03
Obra A	288	535	1.21	65	2.46	131	3.67	196	3.67
Obra B	1,000	3,966	0.69	272	2.31	916	3.00	1,189	3.00
Panki	210	647	1.41	91	4.36	282	5.77	374	5.77
Parichha	220	427	1.04	44	4.22	180	5.26	225	5.26
Parichha Extn.	420	2,258	1.44	325	3.46	781	4.90	1,106	4.90
Parichha Extn. Stage II	500	3,397	1.85	630	3.45	1,173	5.30	1,802	5.30
Harduaganj Ext.	500	3,397	2.02	688	2.72	925	4.75	1,612	4.75
Anpara D	1,000	823	1.51	124	1.70	140	3.21	264	3.21
Sub total - Thermal	5933	26828		3348		6775		10124	3.77
Per unit Avg Rate of Thermal Generation								3.77	
Hydro Stations									
Khara	58	151	0.75	11			0.75	11	0.75
Matatila	20	53	0.68	4			0.68	4	0.68
Obra (Hydel)	99	260	0.66	17			0.66	17	0.66
Rihand	255	670	0.57	38			0.57	38	0.57
UGC Power Stations	14	36	2.22	8			2.22	8	2.22
Belka & Babail	6	16	2.34	4			2.34	4	2.34
Sheetla	4	9	2.84	3			2.84	3	2.84
Sub total - Hydro	455	1195		84.62		0.00		84.62	0.71
Purchase Per unit Avg Rate from hydro generating stations								0.71	
Sub-Total Own generation	6388	28023		3,433.06		6,775.17		10,208.22	3.64
Procurement of power from Central Sector Generating Stations									
Anta	119	626	0.71	44	4.44	278	5.15	322	5.15
Auriya	243	1,279	0.53	68	4.84	618	5.37	687	5.37

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 Vidyut Nagar D.L.W., Varanasi

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Dadri Thermal	84	613	0.82	50	3.97	243	4.79	294	4.79
Dadri Gas	271	1,427	0.55	78	4.38	626	4.93	703	4.93
Dadri Extension	148	1,055	1.55	164	3.54	373	5.09	537	5.09
Rihand-I	372	2,697	0.78	211	2.00	539	2.78	750	2.78
Rihand-II	346	2,791	0.91	254	1.87	522	2.78	776	2.78
Singrauli	846	6,687	0.52	347	1.28	857	1.80	1,204	1.80
Tanda	440	3,255	1.01	329	3.55	1,155	4.56	1,484	4.56
Unchahar-I	257	2,009	0.83	167	2.82	566	3.65	733	3.65
Unchahar-II	152	1,166	0.86	100	2.79	325	3.65	426	3.65
Unchahar-III	74	577	1.32	76	2.33	135	3.65	211	3.65
Farakka	33	202	0.82	17	2.75	55	3.57	72	3.57
Kahalgaon St. I	77	552	0.92	51	2.51	139	3.43	189	3.43
Kahalgaon St. II Ph. I	251	1,807	1.17	212	2.26	408	3.43	620	3.43
Koldam (Hydro)	204	780	1.56	122	2.32	181	3.88	303	3.88
Rihand-III	375	1,980	1.27	251	1.51	299	2.78	550	2.78
Sub-Total NTPC	4294	29503		2,541.98		7,318.71		9,860.69	3.34
Chamera	109	336	0.58	20	0.82	27	1.40	47	1.40
Chamera-II	86	392	1.28	50	1.00	39	2.28	89	2.28
Chamera-III	62	282	1.74	49	1.86	53	3.60	102	3.60
Dhauliganga	75	281	1.10	31	1.27	36	2.37	67	2.37
Salal I&II	48	252	0.60	15	0.38	9	0.98	25	0.98
Tanakpur	21	103	1.70	17	1.22	12	2.92	30	2.92
Uri	96	497	1.05	52	0.89	44	1.94	96	1.94
Dulhasti	111	516	2.82	145	2.30	118	5.12	264	5.12
Sewa-II	35	136	1.89	26	1.81	25	3.70	50	3.70
Uri-II	51	221	2.49	55	0.45	10	2.94	65	2.94
Parbati ST-III	140	514	1.05	54	3.74	192	4.79	246	4.79
Sub-Total NHPC	834	3529		514.82		566.10		1,080.92	3.06
NAPP	166	1025	0	0	2.49	255	2.49	255	2.49
RAPP #3&4	80	671	0	0	2.96	199	2.96	199	2.96
RAPP#5&6	115	885	0	0	3.53	312	3.53	312	3.53
Sub-Total NPCIL	361	2581				766.33		766.33	2.97
NATHPA JHAKRI HPS	287	2,012	1.06	213	1.45	292	2.51	505	2.51

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Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
TALA POWER	45	181	-	-	2.13	39	2.13	39	2.13
Koteshwar	173	569	1.94	110	1.80	102	3.74	213	3.74
Srinagar	290	1,776	-	-	4.00	710	4.00	710	4.00
Sasan	495	3,469	0.15	54	1.15	399	1.30	452	1.30
Case-1	561	2,431	2.33	565	1.71	415	4.03	980	4.03
Karcham-Wangtoo	200	158	-	-	3.00	47	3.00	47	3.00
VISHNUPRAYAG	352	2,450	0.58	143	1.25	307	1.84	451	1.84
TEHRI STAGE-I	418	2,171	1.51	327	3.42	743	4.93	1,070	4.93
Rosa Power Project	600	4,066	1.73	704	3.58	1,455	5.31	2,160	5.31
Rosa Power Project	600	4,066	1.73	704	3.61	1,468	5.34	2,172	5.34
Bara	1,782	2,126	1.17	249	1.85	394	3.02	642	3.02
Anpara 'C'	1,100	7,015	1.36	957	2.48	1,740	3.84	2,697	3.84
IGSTPP, Jhajhhar	51	212	2.59	55	4.19	89	6.78	144	6.78
Bajaj Hindusthan	450	2,807	2.25	632	4.39	1,232	6.64	1,864	6.64
Lalitpur	1,980	2,848	1.88	535	2.95	840	4.83	1,375	4.83
Sub-Total IPP/JV	9383	38354		5248		10273		15521	4.04666
Captive and Cogen	-	2,865	-	-	4.61	1,321	4.61	1,321	4.61
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,940	-	-	5.00	2,470	5.00	2,470	5.00
Solar Energy	-	84	-	-	10.35	87	10.35	87	10.35
NVVN Coal Power	-	352	-	-	3.13	110	3.13	110	3.13
Sub-Total : Co-Generation & Other Sources	-	8241				3,987.97		3,987.97	4.84
Grand Total of Power Purchase	21259	110231		11,737.79		29,687.0		41,424.82	3.76

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Table 7-4: Details of Power Procurement Cost for FY-2016-17

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,852	0.75	289	2.12	816	2.87	1,104	2.87
Anpara B	1,000	7,194	1.11	801	1.95	1,404	3.07	2,206	3.07
Harduaganj	165	300	1.58	47	3.66	110	5.23	157	5.23
Obra A	288	533	1.25	67	2.55	136	3.81	203	3.81
Obra B	1,000	3,955	0.71	281	2.40	951	3.11	1,232	3.11
Panki	210	646	1.46	94	4.54	293	6.00	387	6.00
Parichha	220	425	1.06	45	4.39	187	5.45	232	5.45
Parichha Extn.	420	2,252	1.44	325	3.60	810	5.04	1,135	5.04
Parichha Extn. Stage II	500	3,388	1.84	625	3.59	1,216	5.43	1,841	5.43
Harduaganj Ext.	500	3,388	2.01	681	2.83	959	4.84	1,640	4.84
Anpara D	1,000	6,192	1.66	1,027	1.77	1,094	3.43	2,121	3.43
Sub total - Thermal	5933	32126		4283		7976		12259	3.82
Per unit Avg Rate of Thermal Generation								3.82	
Hydro Stations									
Khara	58	151	0.78	12			0.78	12	0.78
Matatila	20	53	0.70	4			0.70	4	0.70
Obra (Hydel)	99	260	0.68	18			0.68	18	0.68
Rihand	255	670	0.59	40			0.59	40	0.59
UGC Power Stations	14	36	2.30	8			2.30	8	2.30
Belka & Babail	6	16	2.43	4			2.43	4	2.43
Sheetla	4	9	2.95	3			2.95	3	2.95
Sub total - Hydro	455	1195		88.00		0.00		88.00	0.74
Purchase Per unit Avg Rate from hydro generating stations								0.74	
Sub-Total Own generation	6388	33321		4,370.72		7,975.92		12,346.64	3.71
Procurement of power from Central Sector Generating Stations									
Anta	119	626	0.73	46	4.62	289	5.36	335	5.36
Auriya	243	1,279	0.55	71	5.03	643	5.58	714	5.58
Dadri Thermal	84	613	0.86	52	4.13	253	4.98	305	4.98
Dadri Gas	271	1,427	0.57	81	4.56	651	5.13	732	5.13

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Dadri Extension	148	1,055	1.61	170	3.68	388	5.29	559	5.29
Rihand-I	372	2,697	0.81	220	2.08	560	2.89	780	2.89
Rihand-II	346	2,791	0.95	264	1.95	543	2.89	807	2.89
Singrauli	846	6,687	0.54	361	1.33	891	1.87	1,252	1.87
Tanda	440	3,255	1.05	343	3.69	1,201	4.74	1,544	4.74
Unchahar-I	257	2,009	0.86	174	2.93	589	3.80	763	3.80
Unchahar-II	152	1,166	0.89	104	2.90	338	3.80	443	3.80
Unchahar-III	74	577	1.37	79	2.43	140	3.80	219	3.80
Farakka	33	202	0.85	17	2.86	58	3.71	75	3.71
Kahalgaoon St. I	77	552	0.96	53	2.61	144	3.57	197	3.57
Kahalgaoon St. II Ph. I	251	1,807	1.22	221	2.35	424	3.57	645	3.57
Koldam (Hydro)	95	361	1.56	56	2.41	87	3.97	143	3.97
Rihand-III	375	1,980	1.32	261	1.57	311	2.89	572	2.89
Sub-Total NTPC	4184	29083		2573		7510		10084	3.47
Chamera	109	336	0.60	20	0.85	29	1.46	49	1.46
Chamera-II	86	392	1.34	52	1.04	41	2.37	93	2.37
Chamera-III	62	282	1.81	51	1.86	53	3.67	103	3.67
Dhauliganga	75	281	1.10	31	1.27	36	2.37	67	2.37
Salal I&II	48	252	0.60	15	0.38	9	0.98	25	0.98
Tanakpur	21	103	1.70	17	1.22	13	2.92	30	2.92
Uri	96	497	1.05	52	0.89	44	1.94	96	1.94
Dulhasti	111	516	2.82	145	2.30	118	5.12	264	5.12
Sewa-II	35	136	1.89	26	1.81	25	3.70	50	3.70
Uri-II	25	111	4.98	55	0.45	5	5.43	60	5.43
Parbati ST-III	104	383	1.41	54	3.74	143	5.15	197	5.15
Sub-Total NHPC	773	3287		519.58		514.80		1,034.38	3.15
NAPP	166	935	-	-	2.59	242	2.59	242	2.59
RAPP #3&4	80	604	-	-	3.08	186	3.08	186	3.08
RAPP#5&6	115	799	-	-	3.67	293	3.67	293	3.67
Sub-Total NPCIL	361	2339				721.55		721.55	3.09
NATHPA JHAKRI HPS	287	1,383	1.60	221	1.51	209	3.11	430	3.11
TALA POWER	45	181	-	-	2.22	40	2.22	40	2.22
Koteshwar	173	569	2.02	115	1.87	107	3.89	221	3.89

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Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Srinagar	290	519	-	-	4.16	216	4.16	216	4.16
Sasan	495	2,081	0.27	56	1.20	249	1.46	305	1.46
Case-1	2,175	10,186	2.19	2,227	1.52	1,553	3.71	3,780	3.71
Karcham-Wangtoo	200	158	-	-	3.12	49	3.12	49	3.12
VISHNUPRAYAG	352	1,623	0.92	149	1.30	212	2.22	361	2.22
TEHRI STAGE-I	418	1,809	1.88	340	3.56	644	5.44	984	5.44
Rosa Power Project	600	3,946	1.75	689	3.72	1,469	5.47	2,158	5.47
Rosa Power Project	600	3,946	1.75	689	3.75	1,481	5.50	2,171	5.50
Bara	1,782	7,395	1.18	874	3.14	2,323	4.32	3,197	4.32
Anpara 'C'	1,100	7,015	1.77	1,241	2.58	1,809	4.35	3,050	4.35
IGSTPP, Jhajhjar	51	354	1.61	57	4.36	154	5.97	211	5.97
Bajaj Hindusthan	450	2,807	2.25	632	4.57	1,281	6.82	1,913	6.82
Lalitpur	1,782	10,108	1.88	1,900	2.95	2,982	4.83	4,882	4.83
Sub-Total IPP/JV	10799	54080		9190		14779		23969	4.43
Captive and Cogen	-	2,865	-	-	4.79	1,374	4.79	1,374	4.79
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	217	-	-	5.30	115	5.30	115	5.30
Solar Energy	-	84	-	-	10.76	90	10.76	90	10.76
NVVN Coal Power	-	352	-	-	3.26	114	3.26	114	3.26
Sub-Total : Co-Generation & Other Sources	-	3518				1,693.45		1,693.45	4.81
Grand Total of Power Purchase	22505	125627		16,653.47		33,194.7		49,848.13	3.97

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As can be seen from table above power purchase cost is projected to be Rs. 49,848.13 crore in FY 2016-17. The inter-state transmission charges (PGCIL) are envisaged to be Rs. 2,990.90 crore. Thus, the total power procurement cost including PGCIL charges are projected to be Rs. 52,848.03 crore at overall UPPCL level.

Power Procurement Cost from UPPCL by DisCom:

The Distribution Tariff Regulations state that the total power purchase cost for distribution licensee's requirement shall be estimated on the basis of merit order principle. Presently UPPCL is carrying out the function of power procurement for bulk supply to DisComs. UPPCL purchases power from various generators i.e. central & state generating stations, IPPs, etc and supplies to various DisComs of the state at the bulk supply rate notified by the Hon'ble Commission as GOUP has yet not allocated individual PPAs to State DisComs. As a result cost of power purchase for the distribution companies from UPPCL would be uniform (bulk supply tariff - BST). Hence BST has been determined under the principle that all DisComs would have paid the same average price in FY 2016-17. The derivation of the bulk supply tariff is depicted in the table below:

Table 7-5: Computation of the Bulk Supply Tariff

Particulars	Derivation	2015-16	2016-17
Purchases Required & Billed Energy (MU)	A	110,231.03	125,627.02
Periphery Loss (Up to inter connection Point) (%)	B	1.65%	1.65%
Energy Available at State periphery for Transmission (MU)	$C = A * (1-B)$	108,412.22	123,554.18
Intra -State Transmission losses %	D	3.67%	3.67%
Energy Input into Transmission-Distribution Interface (MU)	$E = C * (1-D)$	104,433.49	119,019.74
Power Purchase Cost (Rs. Crore)	F	41,424.82	49,848.13
PGCIL Inter-State transmission charges (Rs. Crore)	G	2,632	2,999.90
Total Power Procurement Cost (Rs. Crore)	$H = F + G$	44,056.79	52,848.03
Bulk Supply Tariff (Rs./Unit)	$I = (H/E) * 10$	4.22	4.44

Considering the aforementioned bulk supply tariff the power purchase cost of the Petitioner is computed as per the table below:

Table 7-6: Projected Power Purchase Costs for the Tariff Period

Particulars	Derivation	FY 2015-16	FY 2016-17
Energy Sales (MU)	A	22,023.36	25,301.24
Distribution Loss (%)	B	20.93%	19.25%
Distribution Loss (MU)	$C = A / (1-B) - A$	5,829.63	6,031.57
Power Purchase Required (MU)	$D = A + C$	27,853.00	31,332.81
Bulk Power Purchase Rate (Rs/kWh)	E	4.22	4.44
Power Purchase Cost (Rs Crore)	$F = D * E / 10$	11,750.19	13,912.63

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It is humbly prayed that the Petitioner may be allowed an internal adjustment on account of the power purchase expense and apportionment of the O&M expenses and interest and finance charges incurred by UPPCL (being the Tradeco and holding company of the state distribution companies including the Petitioner) at the year-end such that full cost recovery is allowed to UPPCL without imposing any impact on the ARR approved by the Hon'ble Commission.

7.3 TRANSMISSION CHARGES

The interstate transmission charges payable by the UPPCL to PGCIL has been projected to be Rs. 3,000 crore in the ensuing year. The PGCIL charges consequent to inter-state transmission is being levied on energy procured from NTPC, NPCIL, NHPC, SJVNL, Tehri, TALA and others. These charges have been incorporated in Power Procurement Cost. The petitioner submits that while considering power procurement to meet the State's requirement, losses external to its system i.e., in the Northern Region PGCIL system need to be accounted for. The availability of power for the Petitioner (i.e. at UPPCL system boundary) from these sources gets reduced to the extent of these losses and the Petitioner has accordingly incorporated them while drawing up the energy balance and merit order dispatch for meeting the State requirement.

The intra state transmission charges for current year and ensuing year payable by Petitioner are on the basis of actual energy received & uniform charges are to be paid by all the Distribution Licensees proportionate to the energy delivered to them. The Transmission licensee is also performing the function of SLDC as such SLDC cost is embedded in the transmission charges. The projections of transmission charges have been traced from the ARR/Tariff Petition filed by U.P. Power Transmission Corporation Ltd (UPPTCL) for the FY 2016-17 filed before the Hon'ble Commission.

In such Petition U.P. Power Transmission Corporation Ltd has projected transmission charge rate of Rs. 0.194 per kWh for FY 2016-17. Accordingly licensee has estimated the cost of intra state transmission charges for ensuing year as well as for the current year in the tables given below.

Table 7-7: Projected Transmission Charges

Particulars		FY 2015-16	FY 2016-17
Energy Procured (MU)	A	27,853	31,333
Transmission Tariff (Rs/kWh)	B	0.173	0.194
Transmission Cost (Rs Crore)	$C=A \times B / 10$	480.69	606.53

The Petitioner submits that the billing in respect of intra-state transmission charges is being done on postage stamp tariff method till the time the Allotted Transmission Capacity of Long Term Transmission System Customers (the Distribution Licensees & Bulk Customer) is not finalized. Suitable steps in this regard have been initiated at the Petitioner's end to finalize the allotted transmission capacities and once it is done the intra-state transmission charges would be claimed and paid linked with contracted transmission capacity rather than on postage stamp tariff

method. The postage stamp tariff based billing poses the risk of unjust enrichment to the transmission utility as it is possible for it to recover fixed costs in excess of the costs approved by the Hon'ble Commission in its ARR order. In the interim, till the contracted capacities are finalized, it is humbly prayed with the Hon'ble Commission, that an internal adjustment bill may be allowed to be raised within the subsidiary companies at the year-end, so that the transmission utility recovers only its costs and no unjust enrichment is allowed to it on account of postage stamp tariff method based billing.

7.4 OPERATION & MAINTENANCE EXPENSES

Operation & Maintenance expenses comprise of Employee costs, Administrative & General (A&G) Expenses and Repair & Maintenance (R&M) expenses. The Regulation 4.3 of the Distribution Tariff Regulations issued by the Hon'ble Commission stipulates:

"1- The O&M expenses comprise of employee cost, repairs & maintenance (R&M) cost and administrative & general (A&G) cost. The O&M expenses for the base year shall be calculated on the basis of historical/audited costs and past trend during the preceding five years. However, any abnormal variation during the preceding five years shall be excluded. For determination of the O&M expenses of the year under consideration, the O & M expenses of the base year shall be escalated at inflation rates notified by the Central Government for different years. The inflation rate for above purpose shall be the weighted average of Wholesale Price Index and Consumer Price Index in the ratio of 60:40. Base year, for these regulations means, the first year of tariff determination under these regulations

2- Where such data for the preceding five years is not available the Commission may fix O&M expenses for the base year as certain percentage of the capital cost.

3- Incremental O&M expenses for the ensuing financial year shall be 2.5% of capital addition during the current year. O&M charges for the ensuing financial year shall be sum of incremental O&M expenses so worked out and O&M charges of current year escalated on the basis of predetermined indices as indicated in regulation 4.3 (1).."

The Hon'ble Commission in its previous true-up orders had determined the O&M expenses for the base year and subsequently in the order dated 01st October 18th June 2015 in the matter of determination of ARR and Tariff for FY 2015-16, had allowed the O&M expenses strictly in line with the Distribution Tariff Regulations, considering escalation indices and O&M expenses on new assets. The pay revision expenses were considered separately and the base employee expenses were increased to account for the increase due to wage revision.

7.4.1 O&M EXPENSES ON ADDITION TO ASSETS DURING THE YEAR

In addition to the Employee expenses, A&G expenses and R&M expenses described in the succeeding section, the Distribution Tariff Regulations provide for incremental O&M expenses on

addition to Gross Fixed Assets (GFA) during the year. Distribution Tariff Regulations stipulates that "Incremental O&M expenses for the ensuing financial year shall be 2.5% of capital addition during the current year. O&M expenses for the ensuing financial year shall be sum of incremental O&M expenses so worked out and O&M expenses of current year escalated on the basis of predetermined indices as indicated in regulation 4.3 (1)."

Considering the above the incremental O&M has been worked out in following table. The same are allocated across the individual elements of the O&M on the basis of contribution of each element in the gross O&M expenses excluding the incremental O&M expenses.

Table 7-8: Allocation of Incremental O&M expenses for FY 2016-17 (Rs Crore)

Incremental O&M Expenses @2.5% of capital additions during the year	FY 2015-16	FY 2016-17
Capitalised Assets during previous year	1281.65	2149.47
Incremental O&M Expenses	32.04	87.06
a) Employee Costs	16.20	44.02
b) A&G Expenses	4.44	12.61
c) R&M Expenses	11.40	30.43

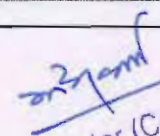
7.5 O&M EXPENSES FOR FY 2016-17

The Petitioner has computed the allowable O&M expenses up to FY 2016-17 in the foregoing sections. The allowable O&M expenses for FY 2016-17 have been claimed by escalating the component wise O&M expenses for FY 2013-14 by using the yearly inflation indices approved by the Hon'ble Commission up to FY 2015-16 in its Tariff Order dated 18th June 2015 and at the rate of 4.01% for FY 2016-17 as computed in Section titled 'Escalation / Inflation Index' above.

Thus, the allowable O&M expenses for FY 2016-17 are depicted in the table below:

Table 7-9: Allowable O&M Expenses for FY 2016-17 (Rs Crore)

Particulars	FY 2014-15	FY 2015-16	FY 2016-17
Employee Expenses			
Gross Employee Costs and Provisions	435.70	516.65	521.40
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	16.20	44.02
Gross Employee Expenses	435.70	532.85	565.42
Employee expenses capitalized	218.26	79.93	84.81
Net Employee Expenses	217.44	452.92	480.61
A&G Expenses			
Gross A&G Expenses	124.51	134.67	135.91

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Particulars	FY 2014-15	FY 2015-16	FY 2016-17
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	11.40	30.43
Gross A&G Expenses	124.51	146.07	166.34
A&G expenses capitalized	51.24	21.91	24.95
Net A&G Expenses	73.28	124.16	141.39
R&M Expenses			
Repair & Maintenance Expenditure	369.46	370.49	373.90
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	4.44	12.61
Gross Repair & Maintenance Expenses	369.46	374.93	386.51
Total O&M Expenses Allowable as per Regulations	660.18	952.00	1,008.51

The Petitioner submits that increase in dearness pay may be higher than the escalation index determined as per the Distribution Tariff Regulations. It is humbly prayed that any variation in employee expenses due to increase in dearness pay, may be considered by the Hon'ble Commission, at the time of true-up for the relevant year, and based on specific submissions by the Petitioner in this regard.

7.6 CAPITAL EXPENDITURE, CAPITAL FORMATION ASSUMPTION AND GROSS FIXED ASSET (GFA) BALANCES.

The details of the proposed capital investment for FY 2016-17 are provided in the table below:

Table 7-10: Capital Investment Plan for FY 2016-17 (Rs Crore)

Particulars	Capital Investment Plan			
	Loans	Equity / Internal Accruals	Deposit Works	Total
Arial Bunch Conductor	30.68	13.15		43.82
Construction of New 33/11kV substation	57.11	24.48		81.59
Capacity enhancement of 33kV Substation	30.97	13.27		44.24
Removal of 11kV system from 220/132kV Substation (by construction of 33kV Substation)	7.79	3.34		11.13
Construction of 33kV link line(Overhead lines & underground Cable)	8.26	3.54		11.81
Replacement of old & damaged 33kV cable with new cable	5.03	2.16		7.19
Installation of 33kV control panel, breaker & CT at 33/11kV Sub station	3.93	1.69		5.62

Particulars	Capital Investment Plan			
	Loans	Equity / Internal Accruals	Deposit Works	Total
Construction of 11kV Link line(Over head & underground cable)	11.33	4.86		16.18
Replacement of old & damaged 11kV cable with new cable	4.15	1.78		5.92
Guarding of 33 & 11Kv Line	1.27	0.54		1.81
Capacity enhancement of distribution Transformer	12.67	5.43		18.10
Replacement of Jarjar Tar	17.63	7.55		25.18
Replacement of damaged pole	4.73	2.03		6.75
Erection of new pole between long span	2.36	1.01		3.38
Replacement of wooden cross-arm	0.47	0.20		0.68
Construction of 11/.4 kV substation	14.16	6.07		20.23
Double metering of consumers	0.00	0.00		0.00
10 to 50 kVA	1.69	0.73		2.42
50 to 100kVA	0.70	0.30		1.00
100 to 500 kVA	0.26	0.11		0.37
Above 500kVA	0.03	0.01		0.04
Repair of 11kV Switch gear	3.20	1.37		4.57
Construction of Plinth of Distribution Transformer	0.81	0.35		1.15
Fencing of Distribution Transformer	3.02	1.29		4.31
System Augmentation of Distribution Network	388.33	166.43		554.76
Power Transformer	0.43	0.18		0.61
Distribution Transformer	1.74	0.74		2.48
Single Phase Meter	6.30	2.70		9.00
Three Phase Meter	12.58	5.39		17.97
RGGVY (Phase- II)	516.73	221.45		738.18
R- APDRP Part A	39.73	17.03		56.75
R- APDRP Part B	159.42	68.32		227.75
Deposit Work	0.00	0.00	325.00	325.00
Total	1347.50	577.50	325.00	2250.00

The projected capital expenditure is proposed to be funded in a debt equity mix of 70:30 which is also in line with the Distribution Tariff Regulations and established philosophy of the Hon'ble Commission.

The assumptions used for projecting GFA and CWIP are as follows:

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- The opening GFA and CWIP for FY 2015-16 have been taken as per the closing figures from provisional annual accounts of FY 2014-15.
- 40% the opening CWIP and 40% of investment made during the year, expenses capitalized & interest capitalized (40% of total investment) has been assumed to get capitalized during the year.
- Investment through "deposit work" has been taken for capital formation. However depreciation thereon has not been charged to the ARR in line with the policy adopted by Hon'ble Commission in its last Tariff Orders.
- The capital investment for FY 2015-16 has been pegged at Rs. 2,138.02 crore out of which works through deposit works have been envisaged at Rs. 320.70 crore.
- The Petitioner envisages a capital investment of Rs. 2,250 crore in FY 2016-17 out of which works through deposit works have been envisaged at Rs. 325 crore.
- The capital investment plan (net of deposit works) has been projected to be funded in the ratio of 70:30 (debt to equity).

Considering the aforementioned submissions, the capital formation and capital work in progress for FY 2015-16 and 2016-17 are presented below:

Table 7-11: Capitalization and WIP of Investment during FY 2015-16 and 2016-17 (Rs Crore)

Particulars	Derivation	FY 2015-16 Revised Estimates	FY 2016-17 ARR
Opening WIP as on 1st April	A	2,962.77	3,224.21
Investments	B	2,138.02	2,250.00
Employee Expenses Capitalisation	C	79.93	84.81
A&G Expenses Capitalisation	D	21.91	24.95
Interest Capitalisation on Interest on long term loans	E	171.05	196.37
Total Investments	F= A+B+C+D+E	5,373.68	5,780.34
Transferred to GFA (Total Capitalisation)	G=F*40%	2,149.47	2,312.14
Closing WIP	H= F-G	3,224.21	3,468.21

- Notes:** (1) Opening Balances as per provisional figures of FY 2014-15.
 (2) Capitalized expenses are from Emp. cost & A&G cost Tables
 (3) Transfer from WIP to GFA=40% of beginning WIP + 40% of total investment, capitalized Interest, Capitalized employee cost, capitalized A&G expenses.

Table 7-12: Gross Fixed Assets for FY2015-16 & FY2016-17

(All figures in Rs Crore)

Particulars		FY 2015-16 Revised Estimates	FY 2016-17 ARR
Opening GFA	A	7,599.90	9,749.37
Additional to GFA during the year	B	2,149.47	2,312.14
Closing GFA	C=A+B	9,749.37	12,061.51

7.7 FINANCING OF THE CAPITAL INVESTMENT

The Petitioner has considered a normative gearing of 70:30. Considering this approach, 70% of the capital expenditure undertaken in any year has been considered to be financed through loan and balance 30% has been considered to be financed through equity contributions. The portion 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.

The amounts received as consumer contributions, capital subsidies and grants are traced from the provisional accounts for FY 2014-15. Further, the consumer contributions, capital subsidies and grants for FY 2015-16 and 2016-17 have been considered to be in the same ratio to the total investments, as received by it in FY 2014-15.

The table below summarizes the amounts considered towards consumer contributions, capital grants and subsidies from FY 2014-15 to 2016-17:

Table 7-13: Consumer Contribution, Capital Grants & Subsidies up to 2016-17 (Rs Crore)

Particulars	2014-15	2015-16	2016-17
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	1,108.86	1,308.07	1,407.65
Additions during the year	231.17	320.70	325.00
Less: Amortisation	31.96	221.12	277.98
Closing Balance	1,308.07	1,407.65	1,454.67

Table 7-14: Financing of the Capital Investment up to FY 2016-17 (Rs Crore)

Particulars	Derivation	2014-15	2015-16	2016-17
Investment	A	4,073.38	2,138.02	2,250.00
Less:		-	-	-
Consumer Contribution	B	231.17	320.70	325.00

Particulars	Derivation	2014-15	2015-16	2016-17
Investment funded by debt and equity	C=A-B	3,842.21	1,817.32	1,925.00
Debt Funded	70%	2,689.55	1,272.12	1,347.50
Equity Funded	30%	1,152.66	545.20	577.50

Thus, the Petitioner submits that out of the capital investment of Rs. 2,250 crore in FY 2016-17, the capital investment through deposit works would be to the tune of Rs. 325 crore. Balance Rs. 1,925 crore has been considered to be funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 1,347.50 crore of 70% of the capital investment is proposed to be funded through debt and balance 30% equivalent to Rs. 577.50 crore through equity.

7.8 DEPRECIATION EXPENSE

Regulation 4.9 of the Distribution Tariff Regulations provide for the basis of charging depreciation. The relevant excerpt is reproduced below:

"4.9 Depreciation:

1. *For the purposes of tariff, depreciation shall be computed in the following manner, namely:*
 - a. *The value base for the purpose of depreciation shall be the historical cost as provided in the Fixed Assets Register, excluding consumer contribution or capital subsidy/grant utilized for capitalization of the assets.....*
6. *Depreciation shall be chargeable from the first year of operation. In case of operation of the asset for part of the year, depreciation shall be charged on pro-rata basis."*

Thus the Distribution Tariff Regulations provide for allowing -

- full year depreciation on the opening balance of GFA
- pro-rata depreciation on the additions made to the GFA balance during the relevant financial year

For the purpose of computing the allowable depreciation, the Petitioner has considered the GFA base as per provisional accounts for FY 2014-15 and have subsequently added the yearly capitalizations for FY 2015-16 and 2016-17 considered in the foregoing sections. 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, Annexure B to the Distribution Tariff Regulations provides the depreciation rate to be charged on each class of asset. Accordingly, the Petitioner has computed depreciation at a weighted average rate of 7.84%.

Considering this philosophy, the gross entitlement towards depreciation has been computed to be Rs. 854.99 crore in FY 2016-17 as depicted in the table below:

Table 7-15: Gross Allowable Depreciation for FY 2016-17 (Rs Crore)

Particulars	Derivation	FY 2015-16 Revised Estimates	FY 2016-17 ARR
Depreciation Rate	A	7.84%	7.84%
Opening GFA	B	7,599.90	9,749.37
Additional to GFA during the year	C	2,149.47	2,312.14
Depreciation on Opening GFA + Additions during the year	$D=(A*B)+(C*A/2)$	680.09	854.99

The Petitioner has projected the depreciation on assets created out of consumer contributions, capital grants and subsidies for FY 2015-16 and 2016-17 in the same ratio as per provisional accounts of FY 2014-15. The Petitioner has reduced the equivalent depreciation amounting to Rs. 221.12 crore and Rs.277.98 crore in FY 2015-16 and 2016-17 respectively in respect of depreciation on assets created out of consumer contributions, capital grants and subsidies.

Thus, the allowable depreciation for FY 2016-17 has been depicted in the table below:

Table 7-16: Net Allowable Depreciation for FY 2016-17 (Rs Crore)

Particulars	FY 2015-16 Revised Estimates	FY 2016-17 ARR
Gross Allowable Depreciation	680.09	854.99
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	221.12	277.98
Net Allowable Depreciation	458.97	577.00

7.9 INTEREST ON LONG TERM LOANS

It is reiterated that the Petitioner has considered a normative tariff approach with a gearing of 70:30. In this approach, 70% of the capital expenditure undertaken in any year has been considered to be financed through loan and balance 30% has been considered to be funded

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through equity contributions. The portion of capital expenditure financed through consumer contributions, capital subsidies and grants has been separated as the depreciation and interest thereon has not been charged to the beneficiaries.

Allowable depreciation for the year has been considered as normative loan repayment. The weighted average rate of interest of overall long term loan portfolio for FY 2014-15 has been considered for FY 2015-16 and 2016-17, as it seems to be fair and equitable. The interest capitalization has been considered at a rate of 23% which is consistent with the rate considered by the Hon'ble Commission in previous tariff orders.

The computations for interest on long term loan are depicted below:

Table 7-17: Allowable Interest on Long Term Loans for FY 2016-17 (Rs Crore)

Particulars	2014-15	2015-16	2016-17
Opening Loan	2,472.82	4,943.13	5,756.28
Loan Additions (70% of Investments)	0.00	1,272.12	1,347.50
Less: Repayments (Depreciation allowable for the year)	0.00	458.97	577.00
Closing Loan Balance	2,472.82	5,756.28	6,526.78
Weighted Average Rate of Interest	12.75%	13.90%	13.90%
Interest on long term loan	361.94	743.71	853.79
Interest Capitalisation Rate	4.30%	23.00%	23.00%
Less: Interest Capitalized	15.58	171.05	196.37
Net Interest Charged	346.36	572.66	657.42

7.10 FINANCE CHARGES

The Petitioner has projected finance charges towards expenses such as guarantee fees and bank charges to the tune of Rs. 0.094 crore and Rs. 0.095 crore in FY 2015-16 and 2016-17 respectively. The same have been computed by extrapolating the actual guarantee fees and bank charges incurred in FY 2014-15 as per provisional accounts by using the Inflation Index. Further, the Petitioner humbly prays that it may be allowed to claim discount to consumers on actuals during true up based on audited accounts.

7.11 INTEREST ON CONSUMER SECURITY DEPOSITS

In terms of the Regulation 4.8(3) of the Distribution Tariff Regulation, the Licensee has to pay interest to the consumers at bank rate or more on the consumer security deposit. Further, section 47(4) of the Electricity Act 2003, states that "the distribution licensee shall pay interest equivalent

to the bank rate or more, as may be specified by the concerned state Commission, on the security referred to in sub-section (1) and refund such security on the request of the person who gave such security"

Accordingly the interest to consumers on the security deposits has been computed on the Opening Balance of the Security Deposits at the beginning of the year at the bank rate of 8.5% for FY 2015-16 and 7.75% for FY 2016-17. However, the same shall be trued up based on audited accounts. The opening balances of security deposits have been considered as per closing figures of provisional accounts for FY 2014-15 and additions during the year for FY 2015-16 and 2016-17 are estimated in line with the projected load growth.

Table 7-18: Interest on Consumer Security Deposits (Rs Crore)

Particulars	FY 2015-16	FY 2016-17
Opening Balance for Security Deposit	463.22	555.44
Additions during the year	92.22	52.94
Closing Balance for Security Deposit	555.44	608.38
Rate of Interest	8.50%	7.75%
Interest Paid / Payable on Security Deposits	43.29	45.10

7.12 INTEREST ON WORKING CAPITAL

The Distribution Tariff Regulations provides for normative interest on working Capital based on the methodology outlined in the Regulations. The Petitioner is eligible for interest on working capital worked out on methodology specified in the Regulations as provided below:

- Operation and Maintenance expenses, which includes Employee costs, R&M expenses and A&G expenses, for one month;
- One-twelfth of the sum of the book value of stores, materials and supplies at the end of each month of current financial year;
- Receivables equivalent to 60 days average billing of consumers less security deposits by the beneficiaries

In accordance with the Distribution Tariff Regulations, the interest on the working capital requirement would be the Bank rate as specified by the Reserve Bank of India as on 1st April of the relevant year plus a margin as decided by the Hon'ble Commission. The Petitioner for this Petition has considered the interest rate on working capital requirement at 12.50% including margin. The actual rate of interest would be considered based on the audited accounts during the true-up process for the year in accordance the Distribution Tariff Regulations.

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The Petitioner has, in accordance with the above mentioned Distribution Tariff Regulations, considered the interest on working capital which is shown in the table below:

Table 7-19: Allowable Interest on Working Capital (Rs Crore)

Particulars	FY 2015-16	FY 2016-17
	Revised Estimates	ARR
One month's O & M Expenses	87.82	93.19
One-twelfth of the sum of the book value of stores, materials and supplies at the end of each month of such financial year	14.85	15.63
Receivables equivalent to 60 days average billing of Beneficiaries	1,796.01	2,024.55
Gross Total	1,898.68	2,133.36
Security Deposits by the beneficiaries (if any)	555.44	608.38
Net Working Capital	1,343.24	1,524.98
Rate of Interest for Working Capital	12.50%	12.50%
Interest on Working Capital	167.90	190.62

7.13 SUMMARY OF INTEREST AND FINANCE CHARGES

The allowable interest and finance charges are thus summarized in the table below:

Table 7-20: Interest and Finance Charges for FY 2015-16 and FY 2016-17 (Rs. Crore)

Particulars	FY 2015-16	FY 2016-17
	(Revised Estimates)	(ARR)
Interest on Long term Loans	743.71	853.79
Interest on Working Capital Loans	67.14	167.90
Sub Total	810.85	1,021.69
Interest on Consumer Security Deposits	43.29	45.10
Bank Charges	0.09	0.09
Discount to Consumers		-
Sub Total	43.39	45.19
Gross Total Interest & Finance Charges	854.24	1,066.89
Less: Capitalization of interest on Long term Loans	171.05	196.37
Interest Capitalization Rate (%)	23.00%	23.00%
Net Interest & Finance Charges	683.18	870.51

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7.14 PROVISION FOR BAD AND DOUBTFUL DEBTS

Provisions have been made for bad and doubtful debts at 2% of revenue receivables in line with the Regulation 4.4 of the UPERC (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2006 issued on October 6, 2006. In the last Tariff Order the Hon'ble Commission had disallowed the Petitioner's claim for Provision for Bad and Doubtful Debts due to the absence of any clear-cut policy. It is further submitted that provision for bad & doubtful debts are accepted accounting principle even in sector like Banking where the provisioning of un-collectable dues are considered as a normal commercial practice.

Despite the Hon'ble Commission's views on this component of ARR, it is humbly prayed that the annual provisioning towards bad and doubtful debts may be allowed to the Petitioner as it is an accepted industry norm and also recognized by other State Electricity Regulatory Commissions. The amount, if any, written off towards bad debts is only adjusted against the accumulated provisions in the books, irrespective of the actual amount of bad debts during any particular year. Therefore the Petitioner maintains that this is a legitimate ARR component. As such the Petitioner has made provisions for bad debts for FY 2015-16 and 2016-17 in line with the provisions stipulated in the Distribution Tariff Regulations. The Provision for Bad and Doubtful Debts for 2015-16 along with projections for the financial year 2016-17 are summarized in the table below:

Table 7-21: Provision for Bad and Doubtful Debts (Rs Crore)

Particulars	FY 2015-16	FY 2016-17
Revenue Receivable	9,741.24	10,972.83
Percentage of Debt allowed	2.00%	1.00%
Provision for Bad Debts	194.82	109.73

7.15 OTHER INCOME

Other income includes non tariff income such as interest on loans and advances to employees, income from fixed rate investment deposits, interest on loans and advances to licensees and other miscellaneous income from retail sources. Summary of other income is given below beginning with figure from provisional estimates of FY 2014-15. The amount for FY 2015-16 and 2016-17 has been projected to grow at the rate of inflation index from the actuals of FY 2014-15.

Table 7-22: Other Income (Rs Crore)

Particulars	FY 2014-15	FY 2015-16	FY 2016-17
Interest on fixed deposits	12.47	12.97	13.09
Interest on loans and Advances to staff	0.01	0.01	0.01
Interest on Advances to Suppliers / Contractors	8.26	8.59	8.67
Miscellaneous receipts	0.87	0.91	0.91

Particulars	FY 2014-15	FY 2015-16	FY 2016-17
Less: Rebate for supply at higher voltage	0.01	0.01	0.01
Total	21.63	22.49	22.70

7.16 REASONABLE RETURN / RETURN ON EQUITY

The Regulation 4.10 of Distribution Tariff Regulations 2006 provides for RoE @16% on equity base. The relevant extract of the regulations are as under:

1. *Return on equity shall be allowed @16%, on the equity base determined in accordance with regulation 4.7. However, the Commission may reduce/raise the rate of return subject to performance of the distribution licensee vis-à-vis performance benchmarks set by the Commission.*
2. *Equity invested in foreign currency shall be allowed a return up to the prescribed limit in the same currency and the payment on this account shall be made in Indian Rupees based on the prevailing exchange rate.*
3. *The premium raised by the distribution licensee while issuing share capital and investment of internal resources created out of free reserves, if any, for the funding of the project, shall also be reckoned as paid up capital for the purpose of computing return on equity, provided such share capital, premium amount and internal resources are actually utilized for meeting the capital expenditure of the distribution system and forms part of the approved financial package.*
4. *Return on equity shall be chargeable from the first year of operation. In case of infusion of equity during the year, return on equity shall be charged on pro-rata basis.*

Under the provisions of the Distribution Tariff Regulations licensees are permitted a return on equity @ 16% which is worked out as under:-

- For equity base calculation debt equity ratio shall be 70:30.
- Where equity employed is more than 30%, the amount of equity for the purpose of tariff shall be limited to 30%.
- Equity amount more than 30% shall be considered as loan.
- Provided that in case that actual equity employed is less than 30%, actual debt and equity shall be considered for determination of tariff.

The Petitioner humbly submits that the RoE may be allowed to cover subsidization of departmental employees under LMV-10 dispensation to the extent of 50% as has been historically allowed by the Hon'ble Commission and making good of waived surcharge in case of applicability of OTS, if required.

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7.17 CONTRIBUTION TO CONTINGENCY RESERVE

The Distribution Tariff Regulations provides for contribution to the contingency reserves upto 0.5% of opening GFA to be included in the ARR of a distribution licensee. The contingency reserve so created shall be utilized to meet cost of replacement of equipment damaged due to force majeure situations. Distribution Tariff Regulations require that such Contingency Reserve shall be invested in Government securities. However, the use of such reserve is only with the prior permission of the Hon'ble Commission.

The Petitioner submits that as there is a big revenue gap between ARR and revenue forecast, as such this component will only enhance the Gap and create extra burden on the consumers so for the present ARR, the Petitioner is not claiming any allowance under Reserve for Contingency Reserve.

7.18 APPORTIONMENT OF O&M EXPENSES AND INTEREST & FINANCE CHARGES OF UPPCL

The Hon'ble Commission in the FY 2012-13 tariff order had directed the distribution companies to consider the apportionment of the O&M expenses of UPPCL and submit the share of each discom. Accordingly, the O&M expenses of UPPCL for FY 2014-15 as per provisional accounts have been considered as base expenses and the same have been escalated in FY 2015-16 and 2016-17 based on the escalation indices for each year.

Considering the above, the same have also been apportioned to all the discoms including the Petitioner in the power purchase ratio for each relevant year. The share of apportionment of O&M charges of UPPCL for FY 2015-16 is Rs. 45.32 crore and Rs. 45.14 crore for FY 2016-17. Accordingly the same have been considered as part of ARR to be recovered from retail consumers.

It is also pertinent to mention that the UPPCL resorts to short term borrowings on behalf of distribution companies to meet the power purchase liabilities of discoms. It incurs interest expenses on behalf of such working capital loans. Also it incurs expenditure towards LC and OD charges incidental to power purchase expenses. It is humbly prayed that the Hon'ble Commission may consider these expenses and allow UPPCL to claim such expenses from the Petitioner and other distribution companies through an internal adjustment without any impact on the ARR of the Petitioner.

7.19 REVENUE SUBSIDY FROM GOUP

The Petitioner submits that the projected budgeted subsidy for FY 2016-17 for overall Discoms is to the tune of Rs. 5,440 crore, out of which the share of the Petitioner is pegged to be Rs. 12,315.99 crore on provisional basis. However, the decision on the basis and allocation within distribution companies is yet to be finalized by the GoUP. It is submitted that the estimated budgeted subsidy is the absolute quantum of subsidy available from GoUP.

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7.20 ARR SUMMARY

The Consolidated Retail & Wheeling Business of ARR along with revenue gap for FY 2016-17 at current tariff is summarized in the table below.

Table 7-23: Annual Revenue Requirement for FY 2016-17 (Rs Crore)

Particulars	FY 2014-15 (Provisional Account)	FY 2015-16 (Revised Estimates)	FY 2016-17 (ARR)
Power Purchase (MU)	18,252	27,853	31,333
Units Sold (MU)	13,893	22,023	25,301
Power Procurement Cost from UPPCL	8,009.78	11,750.19	13,912.63
Transmission Charges	289.34	480.69	606.53
Employee Costs	435.70	532.85	565.42
A&G Costs	124.51	146.07	166.34
Repair & Maintenance Expense	369.46	374.93	386.51
Interest & Finance Charges	1,548.47	854.24	1,066.89
Provision for Bad and Doubtful Debts	66.81	194.82	109.73
Depreciation	66.34	458.97	577.00
Other (Misc.)-net prior period credit	2.68	-	-
Return on Equity	-	-	-
Allocation of Interest Charges and O&M of UPPCL	36.38	45.32	45.14
Less: Interest & other expenses capitalised	285.08	272.89	306.14
Total Expenses	10,664.41	14,565.18	17,130.05
Less: Other Income	21.63	22.49	22.70
Less: GoUP Subsidy	1,838.04	1,787.46	1,808.13
Total Annual Revenue Requirement	8,804.75	12,755.23	15,299.22
Revenue from Existing Tariffs	5,441.99	10,925.72	12,315.99
Revenue Gap	3,362.76	1,829.51	2,983.23
Operational Gap funding from GoUP	1,326.56	-	-
Balance gap	2,036.20	1,829.51	2,983.23

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7.21 RETAIL AND WHEELING BUSINESS ARR SUMMARY

Clause 2.1(2) & (3) of the Distribution Tariff Regulations provide that ARR/Tariff filing by the Distribution Licensee shall separately indicate Aggregate Revenue Requirement (ARR) for Wheeling function and Retail Supply function embedded in the distribution function. Till such time complete segregation of accounts between Wheeling and Retail Supply Business takes place, ARR proposals for Wheeling and Retail Supply Business shall be prepared based on an allocation statement to the best judgment of the distribution licensee.

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.

Allocations of Consolidated ARR into wheeling & retail supply for FY 2016-17 have been estimated into following table:

Table 7-24: Wheeling and Retail Supply – ARR FY 2016-17 (Rs Crore)

Particulars (Rs Crore)	Allocation %		Allocation FY 2016-17		
	Wheeling	Supply	Wheeling	Supply	Total
Power Purchase Expenses	0%	100%	-	50,981.77	50,981.77
Transmission Charges	0%	100%	-	2,222.58	2,222.58
Employee Cost	60%	40%	1,169.91	779.94	1,949.85
A&G Expenses	40%	60%	229.75	344.62	574.36
R&M Expenses	90%	10%	1,140.62	126.74	1,267.36
Interest Charges	90%	10%	2,713.36	301.48	3,014.84
Depreciation	90%	10%	1,669.72	185.52	1,855.24
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	0%	100%	-	165.43	165.43
Gross Expenditure			6,923.35	55,108.08	62,031.44
Expenses Capitalization					-
<i>Employee Cost Capitalized</i>	60%	40%	175.49	116.99	292.48
<i>Interest Capitalized</i>	90%	10%	453.30	50.37	503.67
<i>A&G Expenses Capitalized</i>	40%	60%	34.46	51.69	86.15
Net Expenditure			6,260.10	54,889.03	61,149.14
Special Appropriation					-
Provision for Bad & Doubtful Debts	0%	100%	-	271.60	271.60
Total Net Expenditure with Provision			6,260.10	55,160.63	61,420.74
Less: Non Tariff Income	0%	100%	-	112.99	112.99
Annual Revenue Requirement (ARR)			6,260.10	55,047.64	61,307.74

7.22 WHEELING CHARGES FROM OPEN ACCESS CONSUMERS

Clause 2.1(2) & (3) of the Distribution Tariff Regulations provide that ARR/Tariff filing by the Distribution Licensee shall separately indicate Aggregate Revenue Requirement (ARR) for Wheeling function and Retail Supply function embedded in the distribution function. Till such time complete segregation of accounts between Wheeling and Retail Supply Business takes place ARR proposals for Wheeling and Retail Supply Business shall be prepared based on an allocation statement to the best judgment of the distribution licensee. 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.

Table 7-25: Wheeling Charges for FY 2016-17

Particulars	DVVNL	MVVNL	PVVNL	PuVVNL	TOTAL
Net Distribution Wheeling Function ARR	1,408.84	1,195.17	1,921.67	1,734.41	6,260.10
Retail sales by Discom	20,551.90	17,434.92	28,032.91	25,301.24	91,320.97
Wheeling Charge					0.686

8. TREATMENT OF REVENUE GAP

The Petitioner would like to humbly submit that the Hon'ble Commission approves tariff which is uniform throughout the state. As a consequence, the Petitioner cannot apply for tariff rationalization in its supply area by separately filing for revision of tariff. The Tariff Order for the FY 2015-16 was issued on 18th June 2015 and the revised retail tariff was implemented after due notification. The Petitioner has evaluated a revenue gap of Rs. 2983.23 crore in the ensuing year.

Outlined below is the Revenue Gap for the financial year 2016-17 based on current tariff:

Table 8-1: Meeting the Gap for FY 2016-17 (Rs Crore)

Particulars (Rs Crore)	FY 2016-17
Annual Revenue Requirement	17,107.35
Less: Revenue Subsidy from GoUP	1,808.13
Less: Revenue from Existing Tariff	12,315.99
Revenue Gap for FY 2016-17	2,983.23

In addition to the above, the revenue gap as per true up petitions filed for FY 2013-14 is to the tune of Rs. 2,809.32. Thus, the total revenue gap which needs to be recovered by the Petitioner from its consumers is to the tune of Rs. 5,792.55 crore excluding carrying cost as shown in the table below:

Table 8-2: Total Revenue Gap to be dealt with (Rs Crore)

Particulars	PuVVNL
Revenue Gap as per True up Petition for 2013-14	2,809.32
Revenue Gap as per ARR for FY 2016-17	2,983.23
Total	5,792.55

Additionally, the un-recovered revenue gap towards prior years trueing up to the tune of Rs. 6,883.92 crore was approved by the Hon'ble Commission in the FY 2015-16 tariff order dated 18th June 2015. The same needs to be recovered by the Petitioner along with carrying cost.

Once the decision on the retail tariff revision is taken by all state distribution companies together, given the requirement of uniform tariffs across the state, the Petitioner would, through an additional submission, ratify the applicability of the same rate schedule and would submit the estimates in respect of revenue at proposed tariffs and gap thereafter, if any. However, it is understood that given the significant amount of revenue gap, the whole impact may be not be able to be passed through a revision in retail tariffs, as it may lead to massive tariff shock..

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9. PRAYERS

The petitioner humbly prays that the Hon'ble Commission may be pleased to:

- Admit the accompanying Annual Revenue Requirement for FY 2016-17 and True up Petition for FY 2013-14.
- Approve the Annual Revenue Requirement for FY 2016-17 and True up for FY 2013-14.
- Allow the Petitioner to procure power through bilateral contracts/exchanges/short term contracts to maintain the desired schedule of supply in the state in case the power procurement from long term sources falls short of levels envisaged and accordingly allow the Petitioner to claim FPPCA on such purchases and allow the variations in final trueing up if any balance adjustment remains
- Allow the Petitioner an internal adjustment on account of the power purchase expense and apportionment of the O&M expenses and interest and finance charges incurred by UPPCL (being the Tradeco and holding company of the state distribution companies including the Petitioner) at the year-end, such that full cost recovery is allowed to UPPCL without imposing any impact on the ARR approved by the Hon'ble Commission.
- In the interim till the contracted capacities are finalized, it is humbly prayed that an internal adjustment bill may be allowed to be raised within the subsidiary companies at the year-end so that the transmission utility recovers only its costs and no unjust enrichment is allowed to it, on account of postage stamp tariff method based billing.
- Allow the Petitioner to claim dearness allowance on actual expenditure basis, in case the increase in rate of dearness allowance, announced by the GoUP exceeds the escalation index for the relevant year, as it is an uncontrollable cost.
- Permit the Petitioner to suitably approach the Hon'ble Commission for revision of the O&M Expenses upon finalization of the pay revision of the employees.
- Allow the Petitioner to claim discount to consumers at actuals, based on audited accounts at the time of true up for FY 2016-17.
- Allow the Petitioner to modify the basis and allocation of revenue subsidy among subsidiary distribution companies based on the decision by the GoUP.
- Allow the petitioner to add/change / alter / modify this application at a future date.
- Issue any other relief order or direction which the Hon'ble Commission may deem fit.

Power Procurement Plan for FY 2016-17**EXECUTIVE SUMMARY**

This report presents the list of key assumptions and methodology employed for estimating the power procurement plan and cost therein for FY 2016-17.

The key inputs to the power procurement plan are the load forecast for the year 2016-17, technical parameters of thermal plants of UPRVUNL & UPJVN plants, fuel costs and tariff (i.e. capacity and energy charges) for central sector plants as well as State Sector & IPPs. For UPRVUNL plants, the Petitioner has taken in to consideration the respective Multi-year Tariff (MYT) Petitions filed by UPRVUNL before the Hon'ble Commission. The other technical parameters have been taken from the Uttar Pradesh Electricity Regulatory Commission (Terms and Conditions of Generation Tariff) Regulations, 2009 issued by UPERC vide notification No.UPERC/Secy/Generation Regulations/4100 Dated 31.03.09 in respect of state generating stations. The estimated power availability from various sources has been made on the basis of

- Current long term allocation of allocated and unallocated power from State owned/ Central Sector generating stations and IPPs
- New generating capacity coming in ensuing year
- Indicated availability and plant load factors of various generators and
- Past availability trends and other relevant information in absence of specific indication by some generators.

Similarly, the cost estimates are based on relevant tariff orders, recent bills, existing arrangements, notifications, etc., for various individual sources. The projected availability from various firm sources of power and associated cost estimates are detailed in the sub-sections below. Various documents referred while estimating these parameters, including energy bills from various generating stations for the period upto September 2015.

Considering the study of the actual data for the first six months of the current year FY 2015-16, the revised energy sales (retail and bulk) for FY 2015-16 is proposed at 80,945 MU and the revised T&D losses are estimated to be 26.57%. Considering the above, the total energy to be procured is approximately 1,10,231 MU.

The energy sales, system losses and total power procurement costs for previous year, current year as well as for the ensuing year 2016-17 are provided below:

Particulars	Unit	2015-16	2016-17
		Revised Estimates	ARR Projections
Energy Sales	MU	80,945	94,599
System Losses	%	26.57%	24.70%
Energy Required	MU	1,10,231	1,25,627

Particulars	Unit	2015-16	2016-17
		Revised Estimates	ARR Projections
Total Power Procurement Cost including PGCIL Charges	Rs Crore	44,057	52,848
Average Power Procurement Cost at Input	Rs/kWh	4.00	4.21

POWER PROCUREMENT FROM STATE GENERATING STATIONS

The State of Uttar Pradesh has got both thermal as well as hydro generating stations. UPRVUNL owns all the thermal generating stations within the State and the Hydro Stations are owned by UPJVN. The Multi Year Tariff (MYT) Petitions filed by the UPRVUNL before the Hon'ble Commission and the UPERC (Terms and Conditions of Generation Tariff) Regulations, 2014 form the basis for determining the costs for FY 2015-16 and thereafter escalations have been considered in the Fixed & Variable Charges for determination of cost for FY 2016-17.

The computation of cost of power procurement for FY 2016-17 has been done based on

- Provisional power purchase cost and units of FY 2014-15
- Trend observed in the previous and current year.
- Impact of loss reduction initiatives.
- Estimated growth in sales.
- Share of expected capacity available from various Generators to the UPPCL / Discoms.

The projected quantum and cost of energy available from State Thermal and Hydro generating stations has been derived by the Licensee from tariff petitions filed by the UPRVUNL before the Hon'ble State Commission and the UPERC (Terms and Conditions of Generation Tariff) Regulations 2014. Additionally, the Petitioner has also considered the actual energy bills for the period April to September, 2015. Thus the total power purchased from State Thermal and Hydro Generating Stations for FY 2016-17 is given in the table below:

DETAILS OF POWER PURCHASE COST FROM UPRVUNL STATIONS FOR FY 2016-17

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Anpara A	630	3852	0.75	288.81	2.12	815.51	2.87	1,104.32	2.87
Anpara B	1000	7194	1.11	801.43	1.95	1,404.40	3.07	2,205.83	3.07
Harduagunj	165	300	1.58	47.29	3.66	109.75	5.23	157.04	5.23
Obra A	288	533	1.25	66.70	2.55	136.25	3.81	202.95	3.81

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Obra B	1000	3955	0.71	281.26	2.40	950.54	3.11	1,231.79	3.11
Panki	210	646	1.46	94.28	4.54	292.93	6.00	387.21	6.00
Parichha	220	425	1.06	45.18	4.39	186.77	5.45	231.95	5.45
Parichha Extn.	420	2252	1.44	324.77	3.60	810.47	5.04	1,135.24	5.04
Parichha Extn. Stage II	500	3388	1.84	624.53	3.59	1,216.15	5.43	1,840.68	5.43
Harduaganj Ext.	500	3388	2.01	681.17	2.83	959.07	4.84	1,640.24	4.84
Anpara D	1000	6192	1.66	1,027.31	1.77	1,094.08	3.43	2,121.39	3.43
Total	5933	32126	1.33	4,282.72	2.48	7,975.92	3.82	12,258.63	3.82

DETAILS OF POWER PURCHASE COST FROM UPJVNL STATIONS FOR FY 2016-17

Source of Power	MW Available	MU	Total Cost	
			(Rs. / kWh)	(Rs. Cr.)
Khara	58	151	0.78	11.79
Matatila	20	53	0.70	3.70
Obra (Hydel)	99	260	0.68	17.73
Rihand	255	670	0.59	39.87
UGC Power Stations	14	36	2.30	8.29
Belka & Babail	6	16	2.43	3.84
Sheetla	4	9	2.95	2.79
Total	455	1195	0.74	88.00

The assumptions considered while projecting the power purchase from the State owned thermal generating stations and Hydro stations are given below in Table below for each source respectively:

ASSUMPTIONS FOR POWER PURCHASE FROM UPRVUNL - FY 2016-17

S. No.	Particulars	Assumption
1	Power Purchase Quantum	1. Net Power Purchase Quantum is considered based on the Actual Availability for FY 2014-15 for all power stations. Further current trends in FY 2015-16 have also been considered. Additionally the fact that some of the units are under R&M and will soon be commissioning again has been duly accounted for. U#1 of Anpara D has been synchronised and is expected to be commissioned in January 2016.

S. No.	Particulars	Assumption
		2. Merit Order Despatch is Must-run for approval of quantum.
2	Fixed & Variable Charges	Fixed Charges have been considered as per the MYT Petition filed by the UPRVUNL before the Hon'ble State Commission. Additionally the improvement in norms and operation parameters along with other changes in cost parameters stipulated by the UPERC (Terms and Conditions of Generation Tariff) Regulations, 2014 have been duly considered while projecting the capacity and energy charges. Escalation in FY 2016-16 has been considered at 4% towards capacity charges. The variable charges have been considered as per the actual bills raised by UPRVUNL for the period April to September, 2015 including the bills raised for Fuel Cost Adjustment.

ASSUMPTIONS FOR POWER PURCHASE FROM UPJVNL - FY 2016-17

S. No.	Particulars	Assumption
1	Power Purchase Quantum	1. Net Power Purchase Quantum from all power stations except Belka & Babail is considered as per UPERC's MYT Tariff Order dated 20.10.2011 for UPJVNL for FY 2009-10 to 2013-14. It is pertinent to mention that UPJVNL has still not filed its MYT Petition for FY 2014-19 tariff period. 2. Net Power Purchase from Belka & Babail is taken as per the recent bills. 3. Hydro Stations are considered Must-run in Merit Order Despatch
2	Fixed & Variable Charges	The same have been considered as per the actual bills raised by UPJNL for the period April to September, 2015.

CAPACITY ALLOCATION FROM CENTRAL GENERATING STATIONS & OTHER STATIONS

Central Generating Stations (CGS) comprise of stations belonging to the National Thermal Power Corporation (NTPC), National Hydro Power Corporation Ltd. and the Nuclear Power Corporation of India Ltd. (NPCIL). At present, UPPCL has a firm share allocation for drawl of power from all stations of NTPC, NHPC and NPCIL Stations. In addition to the firm share allocation, most of these stations have unallocated power. The distribution of this unallocated power among the constituents of Northern Region is decided from time to time based on power requirement and power shortage in different States. UPPCL also gets a substantial portion of the unallocated share.

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UPPCL's current Allocated share from various Central Sector Plants is projected as per NRPC circular (NRPC/ OPR/ 103/ 02/ 2015-16/9771-9794) dated 26.10.2015. In this circular UPPCL's total share includes the allocated share from unallocated power also.

The variable (Primary & Secondary fuel) costs of Central Sector plants and other plants have been taken from the energy bills for the month upto September, 2015 and are inclusive of FPA. All variable costs have been escalated by 4% for FY 2016-17.

The cost of power procurement for FY 2016-17 from these sources has been based on:

- Provisional power purchase cost and units of FY 2014-15
- Trend observed in the previous and current year
- Impact of loss reduction initiatives.
- Estimated growth in sales.
- Share of expected capacity available from various Generators to the Licensee.

The cost of energy from Central Sector stations has been derived from tariffs approved (wherever applicable) by Central Electricity Regulatory Commission. It is pertinent to mention that the final orders for 2014-19 tariff period is yet to be finalised by the CERC. In such cases, the Petitioner has referred to the last approved tariff orders by CERC. The cost of power purchase from IPPs within the State has been determined in accordance with UPERC (Terms and Conditions of Generation Tariff) Regulations, 2014 and recently issued orders by the Hon'ble Commission such as in the case of Lanco Anpara and Lalitpur TPP. Similarly, the cost of power purchase from IPPs outside the State has been derived from tariffs and power purchase agreement approved by the Commission. The cost of energy from other sources has been derived from the power purchase / banking / trading agreements and tariffs approved by the Central / Appropriate Commissions. Further, wherever the Tariff Orders for FY 2016-17 have not been issued, the base year tariffs i.e., for FY 2014-15 have been escalated by 4% in case of fixed charges (only on O&M Expenses), 6.00% in case of variable charges and 4% for gas based stations.

The power purchased from NTPC generating stations for FY 2016-17 is provided in table given below:

DETAILS OF POWER PURCHASE COST FROM NTPC STATIONS FOR FY 2016-17

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Anta	119	626	0.73	45.95	4.62	289.39	5.36	335.34	5.36
Auriya	243	1279	0.55	70.92	5.03	643.12	5.58	714.04	5.58
Dadri Thermal	84	613	0.86	52.49	4.13	252.96	4.98	305.45	4.98
Dadri Gas	271	1427	0.57	81.06	4.56	650.58	5.13	731.63	5.13
Dadri Extension	148	1055	1.61	170.36	3.68	388.27	5.29	558.63	5.29

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Rihand-I	372	2697	0.81	219.65	2.08	560.15	2.89	779.80	2.89
Rihand-II	346	2791	0.95	263.86	1.95	542.99	2.89	806.85	2.89
Singrauli	846	6687	0.54	360.97	1.33	890.82	1.87	1,251.79	1.87
Tanda	440	3255	1.05	342.56	3.69	1,201.23	4.74	1,543.79	4.74
Unchahar-I	257	2009	0.86	173.75	2.93	588.84	3.80	762.59	3.80
Unchahar-II	152	1166	0.89	104.27	2.90	338.28	3.80	442.56	3.80
Unchahar-III	74	577	1.37	79.07	2.43	139.95	3.80	219.02	3.80
Farakka	33	202	0.85	17.25	2.86	57.66	3.71	74.90	3.71
Kahalgaoon St. I	77	552	0.96	52.74	2.61	144.04	3.57	196.78	3.57
Kahalgaoon St. II Ph. I	251	1807	1.22	220.76	2.35	423.84	3.57	644.60	3.57
Koldam (Hydro)	95	361	1.56	56.29	2.41	87.06	3.97	143.36	3.97
Rihand-III	375	1980	1.32	261.38	1.57	311.02	2.89	572.40	2.89
Total	4184	29083		2,573.32		7,510.21		10,083.53	3.47

The assumptions considered while projecting the power purchase from the NTPC generating stations is given in Table below:

ASSUMPTIONS OF POWER PURCHASE FROM NTPC - FY 2016-17

S. No.	Particulars	Assumption
1	Power Purchase Quantum	Net Power Purchase Quantum is derived as a product of respective power plants MW capacity, plant load factor (PLF) and UP state's share in respective power plant. Further the quantum is approved as per Merit order despatch principles. We have also referred to the actual plant load factor of such stations for the last 3 years while projecting the PLF for the current year and ensuing year.
2	Fixed Charges	Fixed charges are computed after considering UP state's allocated share in respective power plant as per Regional Energy Accounting Report and Annual Report of NRPC and ERPC and fixed cost approved as per CERC order for respective power plants.
3	Variable Charges	Variable cost is considered as per the recent energy bills raised for the period April to September, 2015

METHODOLOGY FOR POWER PURCHASE FROM NTPC - FY 2016-17

S. No.	Particulars	Assumption
1	Plant Load Factor	PLF is considered to be the average of the PLF recorded at respective power stations for the last three year's (2012-13, 2013-14 and 2014-15). The PLF number for the three years is sourced from Regional Energy Accounting Report and Annual Report of NRPC and ERPC.
2	UP State's Share in power plants	Allocation of Power from various central generating stations for FY 2015-16 and 2016-17 both firm and unallocated quota has been considered as per the NRPC circular (NRPC/ OPR/ 103/ 02/ 2015-16/9771-9794) dated 26.10.2015.

The summary of power purchased from NHPC generating stations for FY 2016-17 is provided in table given below:

DETAILS OF POWER PURCHASE COST FROM NHPC STATIONS FOR FY 2016-17

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Chamera	109	336	0.60	20.28	0.85	28.58	1.46	48.86	1.46
Chamera-II	86	392	1.34	52.31	1.04	40.56	2.37	92.87	2.37
Chamera-III	62	282	1.81	50.97	1.86	52.53	3.67	103.50	3.67
Dhauliganga	75	281	1.10	31.04	1.27	35.60	2.37	66.64	2.37
Salal I&II	48	252	0.60	15.20	0.38	9.50	0.98	24.70	0.98
Tanakpur	21	103	1.70	17.47	1.22	12.50	2.92	29.97	2.92
Uri	96	497	1.05	51.95	0.89	44.42	1.94	96.38	1.94
Dulhasti	111	516	2.82	145.50	2.30	118.44	5.12	263.94	5.12
Sewa-II	35	136	1.89	25.77	1.81	24.62	3.70	50.39	3.70
Uri-II	25	111	4.98	55.11	0.45	4.98	5.43	60.08	5.43
Parbati ST-II	160	0	-	-	-	-	-	-	-
Parbati ST-III	104	383	1.41	53.98	3.74	143.07	5.15	197.05	5.15
Total	933	3287		519.58		514.80		1,034.38	3.15

The assumptions considered while projecting the power purchase from the NHPC generating stations is given in table below:

ASSUMPTIONS FOR POWER PURCHASE FROM NHPC - FY 2016-17

S. No.	Particulars	Assumption
1	Power Purchase	Net Power Purchase Quantum is derived as a product of

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S. No.	Particulars	Assumption
	Quantum	respective power plants MW capacity, plant load factor (PLF) and UP State's share in respective power plant. Power sourced from these NHPC plants is considered Must-run in Merit Order Despatch.
3	Fixed Charges	Fixed charges are computed after considering UP state's allocated share in respective power plant as per Regional Energy Accounting Report and Annual Report of NRPC and fixed cost approved by as per CERC order for respective power plants.
4	Variable Charges	Variable cost is considered as per the recent energy bills raised for the period April to September, 2015

METHODOLOGY FOR POWER PURCHASE FROM NHPC - FY 2016-17

S. No.	Particulars	Assumption
1	Energy Generation	Factoring the MW capacity, auxiliary consumption and design energy as specified by CERC for respective hydro plants the Licensee has calculated the energy sourced from each of the plant.
2	UP State's share in power plants	Allocation of Power from various central generating stations for FY 2015-16 and 2016-17 both firm and unallocated quota has been considered as per the NRPC circular (NRPC/ OPR/ 103/ 02/ 2015-16/9771-9794) dated 26.10.2015.

The summary of power purchased from NPCIL generating stations for FY 2016-17 is provided in table given below:

DETAILS OF POWER PURCHASE COST FROM NPCIL STATIONS FOR FY 2016-17

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
NAPP	166	935	-	-	2.59	242.17	2.59	242.17	2.59
RAPP #3&4	80	604	-	-	3.08	185.95	3.08	185.95	3.08
RAPP#5&6	115	799	-	-	3.67	293.43	3.67	293.43	3.67
Total	361	2339				721.55		721.55	3.09

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The assumptions considered while projecting the power purchase from the NPCIL generating stations is given in table below:

ASSUMPTIONS FOR POWER PURCHASE FROM NPCIL - FY 2016-17

S. No.	Particulars	Assumption
1	Power Purchase Quantum	Net Power Purchase Quantum is derived as a product of respective power plants MW capacity, capacity factor and UP state's share in respective power plant. Power sourced from these NPCIL plants is considered Must-run in Merit Order Dispatch.
2	Tariff (Single part)	Variable cost is considered as per the recent energy bills raised for the period April to September, 2015

METHODOLOGY FOR POWER PURCHASE FROM NPCIL - FY 2016-17

S. No.	Particulars	Assumption
1	Capacity Factor	Capacity factor is considered to be the average of the capacity factor recorded at respective power stations for the last three year's (2012-13, 2013-14 and 2014-15). Capacity factors are sourced from official website of NPCIL.
2	UP State's Share in power plants	Allocation of Power from various central generating stations for FY 2015-16 and 2016-17 both firm and unallocated quota has been considered as per the NRPC circular (NRPC/ OPR/ 103/ 02/ 2015-16/9771-9794) dated 26.10.2015.

The summary of total power purchased from IPPs and Joint Ventures (JVs) for FY 2016-17 is provided in table given below:

DETAILS OF POWER PURCHASE COST FROM IPPS / JVs FOR FY 2016-17

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
NATHPA JHAKRI HPS	287	1383	1.60	221.43	1.51	208.85	3.11	430.28	3.11
TALA POWER	45	181	-	-	2.22	40.15	2.22	40.15	2.22
Koteshwar	173	569	2.02	114.76	1.87	106.53	3.89	221.29	3.89
Srinagar	290	519	-	-	4.16	215.75	4.16	215.75	4.16
Sasan	495	2081	0.27	55.81	1.20	248.87	1.46	304.68	1.46
Case-1	2175	10186	2.19	2,227.21	1.52	1,552.96	3.71	3,780.18	3.71

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Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Karcham-Wangtoo	200	158	-	-	3.12	49.20	3.12	49.20	3.12
VISHNUPRAYAG	352	1623	0.92	149.01	1.30	211.74	2.22	360.75	2.22
TEHRI STAGE-I	418	1809	1.88	339.75	3.56	644.32	5.44	984.07	5.44
Rosa Power Project	600	3946	1.75	689.24	3.72	1,469.15	5.47	2,158.39	5.47
Rosa Power Project	600	3946	1.75	689.24	3.75	1,481.46	5.50	2,170.70	5.50
Bara	1782	7395	1.18	873.91	3.14	2,322.74	4.32	3,196.66	4.32
Anpara 'C'	1100	7015	1.77	1,240.75	2.58	1,809.31	4.35	3,050.06	4.35
IGSTPP, Jhajhjar	51	354	1.61	56.95	4.36	154.48	5.97	211.43	5.97
Bajaj Hindusthan	450	2807	2.25	631.53	4.57	1,281.43	6.82	1,912.96	6.82
Lalitpur	1782	10108	1.88	1,900.24	2.95	2,981.77	4.83	4,882.01	4.83
Total	10799	54080		9190		14779		23969	4.43

The assumptions considered while projecting the power purchase from IPP's and Joint Ventures (JV's) is given in table below:

ASSUMPTIONS FOR POWER PURCHASE FROM IPPS / JVs - FY 2015-16

S. No.	Particulars	Assumption
1	Power Purchase Quantum	Net Power Purchase Quantum is derived as a product of respective power plants MW capacity, capacity factor and UP state's share in respective power plant.
2	Tariff (Single part & Two part)	Variable cost is considered as per the recent energy bills raised for the period April to September, 2014

In respect of Lalitpur TPP, the capacity and energy charges have been considered as per the UPERC Order dated 27.11.2015 in Petition No. 975/2014 and 2017/2015 in respect of approval of capital cost and fixation of provisional tariff.

Further, in consideration of the UPERC Order dated 23.11.2015 in Petition No. 871 and 891 of 2013 of Lanco Anpara, an amount of Rs. 499.58 crore has to be paid by UPPCL in 12 equal monthly instalments starting January 2016. The Hon'ble Commission has also allowed compensatory tariff for sustainability of the project @ Rs. 0.226/kWh. Accordingly, the Petitioner has made such provisions in the projected power purchase from Lanco Anpara in FY 2015-16 and 2016-17.

The Petitioner has signed PPAs under Case-1 bidding from various generators and traders such as PTC India Limited (TRN Energy & MB Power), Lanco Babandh, KSK Energy. The scheduled date of supply is 1.10.2016. However, early supply from PTC India (MB Power) and KSK Energy-200 MW has already commenced from August and October 2015 respectively. Accordingly, the projected power purchase from such generators have been projected at the yearly tariff streams quoted by such generators in the Case-1 bids.

The summary of power purchased from Co-generating stations for FY 2016-17 is provided in table given below:

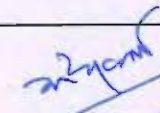
POWER PURCHASE COST: STATE CO-GENERATION FACILITIES FOR FY 2016-17

Source of Power	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Captive and Cogen	2865			4.79	1,373.60	4.79	1,373.60	4.79

The summary of power purchase from bilateral and other sources for FY 2016-17 is provided in the given below:

POWER PURCHASE COST: OTHER SOURCES FY 2016-17

Source of Power	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Inter system exchange (Bilateral & PXIL) / UI	217			5.30	114.98	5.30	114.98	5.30
Solar Energy	84			10.76	90.42	10.76	90.42	10.76
NVVN Coal Power	352			3.26	114.46	3.26	114.46	3.26
Total	653			4.90	320	4.90	320	4.90

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SUMMARY OF POWER PURCHASE

The total power purchase quantum available in megawatt (MW) terms from State owned generating stations, central generating stations and other sources along with the quantum and cost for FY 2015-16 and FY 2016-17 is presented in the table below:

SUMMARY OF POWER PURCHASE COST FY 2015-16

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,862	0.72	277	2.04	786	2.75	1,064	2.75
Anpara B	1,000	7,213	1.09	786	1.88	1,354	2.97	2,140	2.97
Harduaganj	165	301	1.52	46	3.52	106	5.03	151	5.03
Obra A	288	535	1.21	65	2.46	131	3.67	196	3.67
Obra B	1,000	3,966	0.69	272	2.31	916	3.00	1,189	3.00
Panki	210	647	1.41	91	4.36	282	5.77	374	5.77
Parichha	220	427	1.04	44	4.22	180	5.26	225	5.26
Parichha Extn.	420	2,258	1.44	325	3.46	781	4.90	1,106	4.90
Parichha Extn. Stage II	500	3,397	1.85	630	3.45	1,173	5.30	1,802	5.30
Harduaganj Ext.	500	3,397	2.02	688	2.72	925	4.75	1,612	4.75
Anpara D	1,000	823	1.51	124	1.70	140	3.21	264	3.21
Sub total - Thermal	5933	26828		3348		6775		10124	3.77
Per unit Avg Rate of Thermal Generation								3.77	
Hydro Stations									
Khara	58	151	0.75	11			0.75	11	0.75
Matatila	20	53	0.68	4			0.68	4	0.68
Obra (Hydel)	99	260	0.66	17			0.66	17	0.66
Rihand	255	670	0.57	38			0.57	38	0.57
UGC Power Stations	14	36	2.22	8			2.22	8	2.22
Belka & Babail	6	16	2.34	4			2.34	4	2.34
Sheetla	4	9	2.84	3			2.84	3	2.84
Sub total - Hydro	455	1195		84.62		0.00		84.62	0.71
Purchase Per unit Avg Rate from hydro generating stations								0.71	
Sub-Total Own generation	6388	28023		3,433.06		6,775.17		10,208.22	3.64
Procurement of power from Central Sector Generating Stations									

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Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Anta	119	626	0.71	44	4.44	278	5.15	322	5.15
Auriya	243	1,279	0.53	68	4.84	618	5.37	687	5.37
Dadri Thermal	84	613	0.82	50	3.97	243	4.79	294	4.79
Dadri Gas	271	1,427	0.55	78	4.38	626	4.93	703	4.93
Dadri Extension	148	1,055	1.55	164	3.54	373	5.09	537	5.09
Rihand-I	372	2,697	0.78	211	2.00	539	2.78	750	2.78
Rihand-II	346	2,791	0.91	254	1.87	522	2.78	776	2.78
Singrauli	846	6,687	0.52	347	1.28	857	1.80	1,204	1.80
Tanda	440	3,255	1.01	329	3.55	1,155	4.56	1,484	4.56
Unchahar-I	257	2,009	0.83	167	2.82	566	3.65	733	3.65
Unchahar-II	152	1,166	0.86	100	2.79	325	3.65	426	3.65
Unchahar-III	74	577	1.32	76	2.33	135	3.65	211	3.65
Farakka	33	202	0.82	17	2.75	55	3.57	72	3.57
Kahalgaon St. I	77	552	0.92	51	2.51	139	3.43	189	3.43
Kahalgaon St. II Ph. I	251	1,807	1.17	212	2.26	408	3.43	620	3.43
Koldam (Hydro)	204	780	1.56	122	2.32	181	3.88	303	3.88
Rihand-III	375	1,980	1.27	251	1.51	299	2.78	550	2.78
Sub-Total NTPC	4294	29503		2,541.98		7,318.71		9,860.69	3.34
Chamera	109	336	0.58	20	0.82	27	1.40	47	1.40
Chamera-II	86	392	1.28	50	1.00	39	2.28	89	2.28
Chamera-III	62	282	1.74	49	1.86	53	3.60	102	3.60
Dhauliganga	75	281	1.10	31	1.27	36	2.37	67	2.37
Salal I&II	48	252	0.60	15	0.38	9	0.98	25	0.98
Tanakpur	21	103	1.70	17	1.22	12	2.92	30	2.92
Uri	96	497	1.05	52	0.89	44	1.94	96	1.94
Dulhasti	111	516	2.82	145	2.30	118	5.12	264	5.12
Sewa-II	35	136	1.89	26	1.81	25	3.70	50	3.70
Uri-II	51	221	2.49	55	0.45	10	2.94	65	2.94
Parbati ST-III	140	514	1.05	54	3.74	192	4.79	246	4.79
Sub-Total NHPC	834	3529		514.82		566.10		1,080.92	3.06
NAPP	166	1025	0	0	2.49	255	2.49	255	2.49
RAPP #3&4	80	671	0	0	2.96	199	2.96	199	2.96
RAPP#5&6	115	885	0	0	3.53	312	3.53	312	3.53
Sub-Total NPCIL	361	2581				766.33		766.33	2.97
NATHPA JHAKRI	287	2,012	1.06	213	1.45	292	2.51	505	2.51

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Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
TALA POWER	45	181	-	-	2.13	39	2.13	39	2.13
Koteshwar	173	569	1.94	110	1.80	102	3.74	213	3.74
Srinagar	290	1,776	-	-	4.00	710	4.00	710	4.00
Sasan	495	3,469	0.15	54	1.15	399	1.30	452	1.30
Case-1	561	2,431	2.33	565	1.71	415	4.03	980	4.03
Karcham-Wangtoo	200	158	-	-	3.00	47	3.00	47	3.00
VISHNUPRAYAG	352	2,450	0.58	143	1.25	307	1.84	451	1.84
TEHRI STAGE-I	418	2,171	1.51	327	3.42	743	4.93	1,070	4.93
Rosa Power Project	600	4,066	1.73	704	3.58	1,455	5.31	2,160	5.31
Rosa Power Project	600	4,066	1.73	704	3.61	1,468	5.34	2,172	5.34
Bara	1,782	2,126	1.17	249	1.85	394	3.02	642	3.02
Anpara 'C'	1,100	7,015	1.36	957	2.48	1,740	3.84	2,697	3.84
IGSTPP, Jhajhhar	51	212	2.59	55	4.19	89	6.78	144	6.78
Bajaj Hindusthan	450	2,807	2.25	632	4.39	1,232	6.64	1,864	6.64
Lalitpur	1,980	2,848	1.88	535	2.95	840	4.83	1,375	4.83
Sub-Total IPP/JV	9383	38354		5248		10273		15521	4.04666
Captive and Cogen	-	2,865	-	-	4.61	1,321	4.61	1,321	4.61
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,940	-	-	5.00	2,470	5.00	2,470	5.00
Solar Energy	-	84	-	-	10.35	87	10.35	87	10.35
NVVN Coal Power	-	352	-	-	3.13	110	3.13	110	3.13
Sub-Total : Co-Generation & Other Sources	-	8241				3,987.97		3,987.97	4.84
Grand Total of Power Purchase	21259	110231		11,737.79		29,687.0		41,424.82	3.76

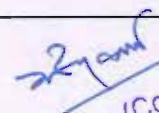
SUMMARY OF POWER PURCHASE COST FY 2016-17

SUMMARY OF POWER PURCHASE COST FY 2010-11									
Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,852	0.75	289	2.12	816	2.87	1,104	2.87
Anpara B	1,000	7,194	1.11	801	1.95	1,404	3.07	2,206	3.07
Harduagunj	165	300	1.58	47	3.66	110	5.23	157	5.23
Obra A	288	533	1.25	67	2.55	136	3.81	203	3.81
Obra B	1,000	3,955	0.71	281	2.40	951	3.11	1,232	3.11
Panki	210	646	1.46	94	4.54	293	6.00	387	6.00
Parichha	220	425	1.06	45	4.39	187	5.45	232	5.45
Parichha Extn.	420	2,252	1.44	325	3.60	810	5.04	1,135	5.04
Parichha Extn. Stage II	500	3,388	1.84	625	3.59	1,216	5.43	1,841	5.43
Harduaganj Ext.	500	3,388	2.01	681	2.83	959	4.84	1,640	4.84
Anpara D	1,000	6,192	1.66	1,027	1.77	1,094	3.43	2,121	3.43
Sub total - Thermal	5933	32126		4283		7976		12259	3.82
Per unit Avg Rate of Thermal Generation								3.82	
Hydro Stations									
Khara	58	151	0.78	12			0.78	12	0.78
Matatila	20	53	0.70	4			0.70	4	0.70
Obra (Hydel)	99	260	0.68	18			0.68	18	0.68
Rihand	255	670	0.59	40			0.59	40	0.59
UGC Power Stations	14	36	2.30	8			2.30	8	2.30
Belka & Babail	6	16	2.43	4			2.43	4	2.43
Sheetla	4	9	2.95	3			2.95	3	2.95
Sub total - Hydro	455	1195		88.00		0.00		88.00	0.74
Purchase Per unit Avg Rate from hydro generating stations								0.74	
Sub-Total Own generation	6388	33321		4,370.72		7,975.92		12,346.64	3.71
Procurement of power from Central Sector Generating Stations									
Anta	119	626	0.73	46	4.62	289	5.36	335	5.36
Auriya	243	1,279	0.55	71	5.03	643	5.58	714	5.58
Dadri Thermal	84	613	0.86	52	4.13	253	4.98	305	4.98
Dadri Gas	271	1,427	0.57	81	4.56	651	5.13	732	5.13

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Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Dadri Extension	148	1,055	1.61	170	3.68	388	5.29	559	5.29
Rihand-I	372	2,697	0.81	220	2.08	560	2.89	780	2.89
Rihand-II	346	2,791	0.95	264	1.95	543	2.89	807	2.89
Singrauli	846	6,687	0.54	361	1.33	891	1.87	1,252	1.87
Tanda	440	3,255	1.05	343	3.69	1,201	4.74	1,544	4.74
Unchahar-I	257	2,009	0.86	174	2.93	589	3.80	763	3.80
Unchahar-II	152	1,166	0.89	104	2.90	338	3.80	443	3.80
Unchahar-III	74	577	1.37	79	2.43	140	3.80	219	3.80
Farakka	33	202	0.85	17	2.86	58	3.71	75	3.71
Kahalgaoon St. I	77	552	0.96	53	2.61	144	3.57	197	3.57
Kahalgaoon St. II Ph. I	251	1,807	1.22	221	2.35	424	3.57	645	3.57
Koldam (Hydro)	95	361	1.56	56	2.41	87	3.97	143	3.97
Rihand-III	375	1,980	1.32	261	1.57	311	2.89	572	2.89
Sub-Total NTPC	4184	29083		2573		7510		10084	3.47
Chamera	109	336	0.60	20	0.85	29	1.46	49	1.46
Chamera-II	86	392	1.34	52	1.04	41	2.37	93	2.37
Chamera-III	62	282	1.81	51	1.86	53	3.67	103	3.67
Dhauliganga	75	281	1.10	31	1.27	36	2.37	67	2.37
Salal I&II	48	252	0.60	15	0.38	9	0.98	25	0.98
Tanakpur	21	103	1.70	17	1.22	13	2.92	30	2.92
Uri	96	497	1.05	52	0.89	44	1.94	96	1.94
Dulhasti	111	516	2.82	145	2.30	118	5.12	264	5.12
Sewa-II	35	136	1.89	26	1.81	25	3.70	50	3.70
Uri-II	25	111	4.98	55	0.45	5	5.43	60	5.43
Parbati ST-III	104	383	1.41	54	3.74	143	5.15	197	5.15
Sub-Total NHPC	773	3287		519.58		514.80		1,034.38	3.15
NAPP	166	935	-	-	2.59	242	2.59	242	2.59
RAPP #3&4	80	604	-	-	3.08	186	3.08	186	3.08
RAPP#5&6	115	799	-	-	3.67	293	3.67	293	3.67
Sub-Total NPCIL	361	2339				721.55		721.55	3.09
NATHPA JHAKRI	287	1,383	1.60	221	1.51	209	3.11	430	3.11
TALA POWER	45	181	-	-	2.22	40	2.22	40	2.22
Koteshwar	173	569	2.02	115	1.87	107	3.89	221	3.89
Srinagar	290	519	-	-	4.16	216	4.16	216	4.16
Sasan	495	2,081	0.27	56	1.20	249	1.46	305	1.46

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Case-1	2,175	10,186	2.19	2,227	1.52	1,553	3.71	3,780	3.71
Karcham-Wangtoo	200	158	-	-	3.12	49	3.12	49	3.12
VISHNUPRAYAG	352	1,623	0.92	149	1.30	212	2.22	361	2.22
TEHRI STAGE-I	418	1,809	1.88	340	3.56	644	5.44	984	5.44
Rosa Power Project	600	3,946	1.75	689	3.72	1,469	5.47	2,158	5.47
Rosa Power Project	600	3,946	1.75	689	3.75	1,481	5.50	2,171	5.50
Bara	1,782	7,395	1.18	874	3.14	2,323	4.32	3,197	4.32
Anpara 'C'	1,100	7,015	1.77	1,241	2.58	1,809	4.35	3,050	4.35
IGSTPP, Jhajhjar	51	354	1.61	57	4.36	154	5.97	211	5.97
Bajaj Hindusthan	450	2,807	2.25	632	4.57	1,281	6.82	1,913	6.82
Lalitpur	1,782	10,108	1.88	1,900	2.95	2,982	4.83	4,882	4.83
Sub-Total IPP/JV	10799	54080		9190		14779		23969	4.43
Captive and Cogen	-	2,865	-	-	4.79	1,374	4.79	1,374	4.79
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	217	-	-	5.30	115	5.30	115	5.30
Solar Energy	-	84	-	-	10.76	90	10.76	90	10.76
NVVN Coal Power	-	352	-	-	3.26	114	3.26	114	3.26
Sub-Total : Co-Generation & Other Sources	-	3518				1,693.45		1,693.45	4.81
Grand Total of Power Purchase	22505	125627		16,653.47		33,194.7		49,848.13	3.97


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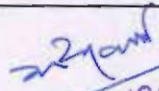
MERIT ORDER DISPATCH

Merit Order Dispatch after evaluating the power purchase cost is given in the table below:

MERIT ORDER DISPATCH FY 2016-17

S.No.	Source of Power	Type	Dispatch Mode	Variable Charge (Rs / kWh)	Power Procurement (MU)	Cumulative Procurement (MU)
1	Khara	UPJVNL-Hydro	Must Run	0.00	151	151
2	Matatila	UPJVNL-Hydro	Must Run	0.00	53	204
3	Obra (Hydel)	UPJVNL-Hydro	Must Run	0.00	260	464
4	Rihand	UPJVNL-Hydro	Must Run	0.00	670	1134
5	UGC Power Stations	UPJVNL-Hydro	Must Run	0.00	36	1170
6	Belka & Babail	UPJVNL-Hydro	Must Run	0.00	16	1186
7	Sheetla	UPJVNL-Hydro	Must Run	0.00	9	1195
8	Salal I&II	NHPC	Must Run	0.38	252	1448
9	Uri-II	NHPC	Must Run	0.45	111	1558
10	Chamera	NHPC	Must Run	0.85	336	1894
11	Uri	NHPC	Must Run	0.89	497	2391
12	Chamera-II	NHPC	Must Run	1.04	392	2782
14	Sasan	IPP/JV/Others	Merit	1.20	2081	4864
13	Tanakpur	NHPC	Must Run	1.22	103	4966
15	Dhauliganga	NHPC	Must Run	1.27	281	5248
16	VISHNUPRAYAG	IPP/JV/Others	Must Run	1.30	1623	6870
17	Singrauli	NTPC	Merit	1.33	6687	13557
18	NATHPA JHAKRI HPS	IPP/JV/Others	Must Run	1.51	1383	14941
68	Case-1	IPP/JV/Others	Merit	1.52	10186.13	25127
19	Rihand-III	NTPC	Merit	1.57	1980	27106
20	Anpara D	UPRVNL-Thermal	Merit	1.77	6192	33299
21	Sewa-II	NHPC	Must Run	1.81	136	33435
22	Chamera-III	NHPC	Must Run	1.86	282	33717
23	Koteshwar	IPP/JV/Others	Merit	1.87	569	34286
24	Rihand-II	NTPC	Merit	1.95	2791	37077
25	Anpara B	UPRVNL-Thermal	Merit	1.95	7194	44270
26	Rihand-I	NTPC	Merit	2.08	2697	46967
27	Anpara A	UPRVNL-Thermal	Merit	2.12	3852	50819
28	TALA POWER	IPP/JV/Others	Must Run	2.22	181	51001
29	Dulhasti	NHPC	Must Run	2.30	516	51516
30	Kahalgaoon St.II Ph.I	NTPC	Merit	2.35	1807	53323
31	Obra B	UPRVNL-Thermal	Merit	2.40	3955	57278
32	Koldam (Hydro)	NTPC	Merit	2.41	361	57639
33	Unchahar-III	NTPC	Merit	2.43	577	58216

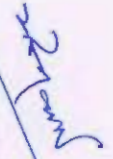
S.No.	Source of Power	Type	Dispatch Mode	Variable Charge (Rs / kWh)	Power Procurement (MU)	Cumulative Procurement (MU)
34	Obra A	UPRVNL-Thermal	Merit	2.55	533	58749
35	Anpara 'C'	IPP/JV/Others	Merit	2.58	7015	65764
36	NAPP	NPCIL	Merit	2.59	935	66700
37	Kahalgao St. I	NTPC	Merit	2.61	552	67251
38	Harduaganj Ext.	UPRVNL-Thermal	Merit	2.83	3388	70639
39	Farakka	NTPC	Merit	2.86	202	70841
40	Unchahar-II	NTPC	Merit	2.90	1166	72007
41	Unchahar-I	NTPC	Merit	2.93	2009	74016
46	Lalitpur	IPP/JV/Others	Merit	2.95	10108	84123
42	RAPP #3&4	NPCIL	Merit	3.08	604	84727
43	Karcham-Wangtoo	IPP/JV/Others	Must Run	3.12	158	84885
44	Bara	IPP/JV/Others	Merit	3.14	7395	92280
45	NVVN Coal Power	IPP/JV/Others	Merit	3.26	352	92632
47	TEHRI STAGE-I	IPP/JV/Others	Must Run	3.56	1809	94441
48	Parichha Extn. Stage II	UPRVNL-Thermal	Merit	3.59	3388	97829
49	Parichha Extn.	UPRVNL-Thermal	Merit	3.60	2252	100081
50	Harduaganj	UPRVNL-Thermal	Merit	3.66	300	100381
52	RAPP#5&6	NPCIL	Merit	3.67	799	101181
53	Dadri Extension	NTPC	Merit	3.68	1055	102236
54	Tanda	NTPC	Merit	3.69	3255	105491
55	Rosa Power Project	IPP/JV/Others	Merit	3.72	3946	109437
51	Parbati ST-III	NHPC	Must Run	3.74	383	109820
56	Rosa Power Project	IPP/JV/Others	Merit	3.75	3946	113766
57	Dadri Thermal	NTPC	Merit	4.13	613	114379
58	Srinagar	IPP/JV/Others	Merit	4.16	519	114897
59	IGSTPP, Jhahjhar	IPP/JV/Others	Merit	4.36	354	115252
60	Parichha	UPRVNL-Thermal	Merit	4.39	425	115677
61	Panki	UPRVNL-Thermal	Merit	4.54	646	116323
62	Dadri Gas	NTPC	Merit	4.56	1427	117750
63	Bajaj Hindusthan	IPP/JV/Others	Merit	4.57	2807	120556
64	Anta	NTPC	Merit	4.62	626	121183
65	Captive and Cogen	IPP/JV/Others	Merit / Must Run	4.79	2865	124048
66	Auraiya	NTPC	Merit	5.03	1279	125326
67	Inter system exchange (Bilateral & PXIL, IEX) / UI	IPP/JV/Others	Merit	5.30	217	125543
69	Solar Energy	IPP/JV/Others	Must Run	10.76	84.00	125627

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 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Li
 Vidyut Nagar D.L.W., Varanasi.

SUMMARY OF MONTHLY POWER PURCHASE FOR FY 2016-17

The summary of monthly power purchase at UPPCL level along with the allocation of the same among all the Discoms is shown in the table below:

Particulars	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
Total Monthly Power Purchase Required	10,955	12,040	12,003	12,019	12,126	10,160	10,104	9,023	9,382	9,581	8,424	9,812	1,25,627
Allocation of Approved Power Purchase (MU) among Discoms													
DVVNL	2,556	2,809	2,801	2,804	2,830	2,371	2,358	2,105	2,189	2,236	1,966	2,290	29,315
MVVNL	1,981	2,177	2,171	2,174	2,193	1,837	1,827	1,632	1,697	1,733	1,523	1,774	22,720
PVNNL	3,147	3,458	3,448	3,452	3,483	2,918	2,902	2,592	2,695	2,752	2,420	2,818	36,084
PuVVNL	2,884	3,170	3,160	3,164	3,192	2,675	2,660	2,375	2,470	2,522	2,218	2,583	33,072
KESCO	387	425	424	424	428	359	357	319	331	338	297	346	4,436


 Director (Comm.)
 Purvanchal Vidyut Vignyan Nigam Ltd.
 Vidyut Nagar D.L.N. Nagar

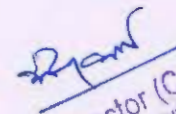
**ANNUAL REVENUE REQUIREMENT PETITION
FOR FY 2016-17**

**ANNEXURE - 1
TARIFF FILING FORMATS**

NAME OF DISTRIBUTION LICENSEE: PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
FORMATS FOR ARR & TARIFF FILING BY DISTRIBUTION LICENSEES

Summary Formats			
1	Sheet	S1	Profit & Loss Account
2	Sheet	S2	Balance Sheet
3	Sheet	S3	Cash flow statement
4	Sheet	S4	Annual Revenue Requirement
5	Sheet	S5	Information about equity and loan
6	Sheet	S6	Information about Working Capital
7	Sheet	S7	Reasonable Return
8	Sheet	S8	Energy Balance
9	Sheet	S9	Truing Up of past account
Financial Formats			
10	Sheet	F1 (a1)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2014-15
11	Sheet	F1 (a2)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2015-16
12	Sheet	F1 (a3)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2016-17
13	Sheet	F2	Revenue Grants & subsidies
14	Sheet	F3	Other income
15	Sheet	F4	Summary of Own Generation & Power Purchase
16	Sheet	F4a	Power purchase Details
17	Sheet	F4b	Intra State Transmission (TRANSCO) Charges
18	Sheet	F5	R&M Expenses
19	Sheet	F6a	Employees' Cost & Provisions
20	Sheet	F7	Administration & General Expenses
21	Sheet	F8	Statement of Fixed Assets and Depreciation
22	Sheet	F9	Interest & Finance charges
23	Sheet	F9a	Domestic loans, bonds and financial leasing
24	Sheet	F10	Details of Expenses Capitalised
25	Sheet	F11	Other Debits
26	Sheet	F12	Statement of Sundry Debtors & provision for bad & doubtful debtors
27	Sheet	F13	Extraordinary Items
28	Sheet	F14	Net Prior Period Expenses/Income
29	Sheet	F15	Contribution Grants & subsidies towards Capital assets
30	Sheet	F17	Statements of assets not in use
31	Sheet	F18	Investments
32	Sheet	F19	Current Assets and Liabilities
33	Sheet	Additional Form	Capital Investment Plan for FY 2014-15 & FY 2015-16
34	Sheet	Additional Form	Capital Formation During FY 2013-14 to FY 2016-17
35	Sheet	T3	Revenue Assesment, Sales & Through Rate :FY 2015-16
36	Sheet	T4	Revenue Assesment, Sales & Through Rate :FY 2016-17

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Profit & Loss Account						Form S1
S.No	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
A	Revenue					
1	Revenue from sale of power	5044.45	5044.45	5441.99	10925.72	12315.99
2	Other Non-tariff income	22.12	22.12	21.63	22.49	22.70
3	Revenue subsidies & grants	1707.54	1707.54	1838.04	1787.46	1808.13
4	Revenue from Bulk Sales to Torrent Power Ltd	0.00	0.00	0.00	0.00	0.00
	Total Revenue or Income	6774.10	6774.10	7301.65	12735.67	14146.82
B	Expenditure*					
1	Purchase of Power from own and State Generating Stations	7966.35	6801.58	8009.78	11750.19	13912.63
2	Purchase of Power from Other Sources					
3	Intra-State Transmission Charges	228.54	315.83	289.34	480.69	606.53
4	Repairs and Maintenance	330.75	330.75	369.46	374.93	386.51
5	Employee costs	461.23	461.23	435.70	532.85	565.42
6	Administration and General expenses	120.22	120.22	124.51	146.07	166.34
7	Net prior period credit charges	718.94	718.94	2.68	0.00	0.00
8	Other Debits, Write-offs	(15.30)	136.66	66.81	194.82	109.73
9	Extraordinary items (specify items)	0.00	0.00	0.00	0.00	0.00
10	Reasonable Return	0.00	0.00	0.00	0.00	0.00
11	Less: Expenses Capitalized	(239.43)	(239.43)	(269.50)	(101.84)	(109.76)
	Contingency Reserve	0.00	0.00	0.00	0.00	0.00
C	PBDIT	(2797.20)	(1871.67)	(1727.14)	(642.04)	(1490.57)
D	Less Depreciation and Related debits	212.99	354.62	66.34	458.97	577.00
E	PBIT	(3010.18)	(2226.29)	(1793.48)	(1101.01)	(2067.57)
1	Interest & Finance Charges	1283.29	563.62	1548.47	854.24	1066.89
2	Less: Interest Capitalized	(15.00)	(15.00)	(15.58)	(171.05)	(196.37)
F	Total Interest and Finance Charges	1268.29	548.62	1532.90	683.18	870.51
G	TOTAL EXPENDITURE	11052.57	9549.01	10628.03	14519.86	17084.91
H	Profit/Loss before Tax	(4278.47)	(2774.91)	(3326.38)	(1784.19)	(2938.09)
I	Add: Allocation of Interest Charges and O&M of UPPCL	0.00	34.41	36.38	45.32	45.14
J	Add: Efficiency Gains	0.00	0.00	0.00	0.00	0.00
	Operational Gap funding from GoUP	183.85	0.00	1326.56	0.00	0.00
K	Profit/Loss before Tax	(4094.62)	(2809.32)	(2036.20)	(1829.51)	(2983.23)


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

S.No	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
I. SOURCES OF FUNDS						
	A) Shareholders' Funds					
	a) Share Capital					
	b) Reserves and Surplus					
	B) Special Appropriation allowed towards Project Cost					
	C) Loan Funds					
	a) Short Term Borrowings					
	b) Long Term Borrowings					
	D) Other sources of Funds					
	a) Capital contributions from consumers					
	b) Consumers' Security Deposits					
	c) Grants & Subsidies towards cost of capital					
	TOTAL SOURCES OF FUNDS (A+B+C+D)					
II. APPLICATION OF FUNDS						
	A) Fixed Assets					
	a) Gross Block					
	less: Accumulated Depreciation					
	b) Net Block					
	c) Capital Work in Progress					
	less: Assets written off till date					
	B) Investments (provide details separately)					
	C) Current Assets, Loans and Advances					
	i) Inventories					
	ii) Sundry Debtors					
	iii) Cash and Bank Balances					
	iv) Loans & Advances					
	iii) Other Current Assets					
	D) less: Current Liabilities and other Provisions					
	i) Current Liabilities					
	ii) Provisions					
	E) Net Current Assets					
	F) Miscellaneous Expenditure to the extent not written off or adjusted					
	TOTAL APPLICATION OF FUNDS					

The Hon'ble Commission in the True up Order for FY 2008-09 to FY 2011-12 dated 01st October, 2014 and Tariff order for FY 2015-16 dated 18th June 2015 had adopted a normative tariff approach towards capital structure. This entailed that regulatory balances towards equity, GFA, accumulated depreciation, loans, etc would be different from financial statements. Hence, Forms S2, S3 and F19 have become infrutuous as they would not match with financial statements. Considering the above, the Licensee seeks waiver from filing the Form Nos S2, S3 and F19.

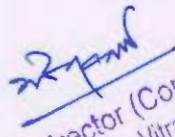
Signature
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

S.No	Particulars	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	Provisional Accounts	Revised Estimates	ARR
A	Net Funds from Operations:				
	Net (loss)/ profit before tax but after exceptional/ extra ordinary items				
	Adjustments for :				
	Depreciation and amortization				
	Interest expenses				
	Income from Investments				
	(Profit) / Loss on fixed asset sold				
	Miscellaneous expenditures written off				
	Deferred revenue expenditure written off				
	Debts/advances written off				
	Provision for bad and doubtful debts				
	Liability no longer required written back				
	Provision for Gratuity and Leave Encashment				
	Exceptional/ Extraordinary items Expenses/ (income)				
	Diminution in value of investments				
	Operating profits before working capital changes				
	Adjustment for changes in working capital				
	(Increase)/ decrease in sundry debtors				
	(Increase)/ decrease in other receivables				
	(Increase)/ decrease in inventories				
	Increase /(decrease) in in trade and other payables				
	Cash generated from operations				
	Taxes (paid)/ received (net of TDS)				
	Net cash from operating activities				
B	Case flow from investing activities				
	Purchase of fixed assets:				
	Additions during the period				
	Capital work in progress:				
	Additions during the period				
	Proceeds from sale of fixed assets				
	Proceeds from sale of investments				
	Purchase of investments				
	Interest received (revenue)				
	Net cash used in investing activities				
C	Cash flow from financing activities				
	Proceeds/(Repayments) of long term borrowings (net)				
	Equity from GoUP				
	Proceeds from consumers contribution and GoUP capital subsidy				
	Capital contribution from consumers and GoUP capital subsidy diminished				

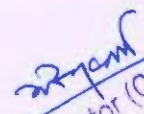
The Hon'ble Commission in the True up Order for FY 2008-09 to FY 2011-12 dated 01st October, 2014 had adopted a normative tariff approach towards capital structure. This entailed that regulatory balances towards equity, GFA, accumulated depreciation, loans, etc would be different from financial statements. Hence, Forms S2, S3 and F19 have become infrutuous as they would not match with financial statements. Considering the above, the Licensee seeks waiver from filing the Form Nos S2, S3 and F19.

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Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

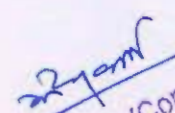
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Cash Flow Statement				Form No: S3	
S.No	Particulars	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	Provisional Accounts	Revised Estimates	ARR
	Consumer security deposits				
	Repayment of borrowing				
	Interest paid on borrowing				
	Interest payment adjustment				
	Restructuring reserve relating to transfer scheme 2000/2003				
	Material cost variance adjustments				
	Adjustment relating to Uttaranchal Power Corporation Limited				
	Net cash generated from financing activities				
	Net increase / (decrease) in cash or cash equivalent (A+B+C)				
	Cash/ Cash equivalent as at the beginning of the year				
	Cash/ Cash equivalent as at the end of the year				


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						Form No: S4
Annual Revenue Requirement						
S.No	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
	Power Purchase or Energy Available (MU)	16,928.91	16,928.91	18,251.83	27,853.00	31,332.81
	Sale of Power (MU)	12,742.52	12,742.52	13,893.33	22,023.36	25,301.24
	Loss %	24.73%	24.73%	23.88%	20.93%	19.25%
1	Receipts					
a	Revenue from tariffs & Miscell. Charges (incl bulk sales to TPL)	5,044.45	5,044.45	5,441.99	10,925.72	12,315.99
b	Subsidy from Govt.	1,707.54	1,707.54	1,838.04	1,787.46	1,808.13
c	Torrent power ltd					
	Total	6,751.98	6,751.98	7,280.03	12,713.18	14,124.12
2	Expenditure					
a	Purchase of Power	7,966.35	6,801.58	8,009.78	11,750.19	13,912.63
b	Purchase of Power from Other Sources					
c	Intra-State Transmission Charges	228.54	315.83	289.34	480.69	606.53
d	R&M Expense	330.75	330.75	369.46	374.93	386.51
e	Employee Expenses	461.23	461.23	435.70	532.85	565.42
f	A&G Expense	120.22	120.22	124.51	146.07	166.34
g	Depreciation	212.99	354.62	66.34	458.97	577.00
h	Interest & Finance Charges	1,283.29	563.62	1,548.47	854.24	1,066.89
i	Less: Interest & other expenses capitalised	254.43	254.43	285.08	272.89	306.14
j	Other Debits (incl. Prov for Bad debts)	- 15.30	136.66	66.81	194.82	109.73
k	Extraordinary Items(OTS)	-	-	-	-	-
l	Other (Misc.)-net prior period credit	718.94	718.94	2.68	-	-
	Total	11,052.57	9,549.01	10,628.03	14,519.86	17,084.91
3(i)	Reasonable Return	-	-	-	-	-
3(ii)	Contingency Reserve					
4	Non tariff income	22.12	22.12	21.63	22.49	22.70
5	Annual Revenue Requirement (2)+(3)-(4)	11,030.45	9,526.89	10,606.40	14,497.37	17,062.21
6	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	(4278.47)	(2774.91)	(3326.38)	(1784.19)	(2938.09)
7	Add: Allocation of Interest Charges and O&M of UPPCL		34.41	36.38	45.32	45.14
8	Efficiency Gains	0.00	0.00	0.00	-	-
9	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	(4278.47)	(2809.32)	(3362.76)	(1829.51)	(2983.23)
10	Tariff Revision Impact	-	-	-	-	-
	Operational Gap funding from GoUP	183.85	-	1,326.56	-	-
11	Surplus(+) / Shortfall(-) : (6)-(7) after tariff revision	(4,094.62)	(2,809.32)	(2,036.20)	(1,829.51)	(2,983.23)


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Information regarding amount of Equity & Loan				Form No: S5	
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
Sr. No.	Period	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Amt. of Regulatory Equity (Rs. in crores)	3,086.12	3,939.74	4,484.94	5,062.44
2	Amt. of Regulatory Loan (Rs. in crores)	2,319.93	4,943.13	5,756.28	6,526.78
3	Debt Equity Ratio	75%	125%	128%	129%


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

Information regarding Working Capital

Form No: S6

Sr. No.	Particulars	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
1	One month's O & M Expenses	76.02	77.47	87.82	93.19
2	One-twelfth of the sum of the book value of materials in stores at the end of each month of such financial year.	14.04	28.29	14.85	15.63
3	Receivables equivalent to 60 days average billing on consumers	829.22	894.57	1,796.01	2,024.55
	Gross Total	919.28	1,000.33	1,898.68	2,133.36
Less:					
1	Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	432.89	463.22	555.44	608.38
	Net Working Capital	486.40	537.11	1,343.24	1,524.98
	Rate of Interest on Working Capital	12.50%	12.50%	12.50%	12.50%
	Normative Interest on Working Capital	60.80	67.14	167.90	190.62

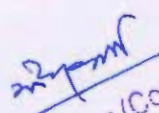
22/4/2016
 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

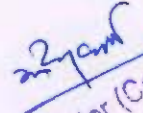
Reasonable Return

Form No: S7

S.No	Particulars	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		True-Up	Provisional Accounts	Revised Estimates	ARR
	Shareholders' Funds				
1	Share Capital	3,086.12	3,939.74	4,484.94	5,062.44
2	Reserves and Surplus	-13,839.34	-15,640.00	-17,469.52	-20,452.75
	Total Equity	-10,753.22	-11,700.26	-12,984.58	-15,390.31
	Return as a % of Equity				


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Energy Balance					Form No: S8	
S.No	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
1	Purchase of Power					
	Power from own Stations (if any)	16,928.91	16,928.91	18,251.83	27,853.00	31,332.81
	Power from State Stations					
	Power from Central Stations					
	Power from Other Sources					
	I.					
	ii.					
	iii.					
	Total Power Available	16,928.91	16,928.91	18,251.83	27,853.00	31,332.81
2	Energy Sales within the state					
	a) LT Sales					
	b) HT Sales					
	c) EHT Sales					
	Total Energy Sales	12,742.52	12,742.52	13,893.33	22,023.36	25,301.24
3	Distribution Loss	4,186.39	4,186.39	4,358.50	5,829.63	6,031.57
4	Total Transmission losses	7.91%	7.91%	5.18%	5.26%	5.26%
5	Tradable Power	-	-	-	-	-


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Truing Up of past accounts

S.No	Particulars	FY 2013-14		
		Tariff Order	Audited	True-up
	Power Purchase or Energy Available (MU)	17,575.12	16,928.91	16,928.91
	Sale of Power (MU)	13,709.00	12,742.52	12,742.52
	Loss %	22.00%	24.73%	22.00%
1	Receipts			
a	Revenue from tariffs & Miscell. Charges	6261.57	5044.45	5044.45
b	Subsidy from Govt.	1621.16	1707.54	1707.54
	Total	7882.73	6751.98	6751.98
2	Expenditure			
a	Purchase of Power	6895.07	7966.35	6801.58
b	Purchase of Power from Other Sources			
c	Intra-State Transmission Charges	237.09	228.54	315.83
d	R&M Expense	170.00	330.75	330.75
e	Employee Expenses	652.72	461.23	461.23
f	A&G Expense	55.75	120.22	120.22
g	Depreciation	277.39	212.99	354.62
h	Interest & Finance Charges	251.42	1283.29	563.62
i	Less: Interest & other expenses capitalised	-137.33	-254.43	-254.43
j	Other Debits (incl. Prov for Bad debts)	0.00	-15.30	136.66
k	Extraordinary Items	0.00	0.00	0.00
l	Other (Misc.)-net prior period credit	0.00	718.94	718.94
m	Allocation of UPPCL Charges	0.00	0.00	34.41
n	Efficiency Gains	0.00	0.00	0.00
	Total	8402.11	11052.57	9583.42
3	Reasonable Return	0.00	0.00	0.00
4	Other Income	10.09	22.12	22.12
5	Annual Revenue Requirement (2)+(3)-(4)	8392.02	11030.45	9561.30
6	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	-509.28	-4278.47	-2809.32
7	Tariff Revision Impact			
8	Surplus(+) / Shortfall(-) : (6)-(7)after tariff revision	-509.28	-4278.47	-2809.32

22/9/14
 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV-1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	2,333,334	3,472,635	3,114
	(ii)	Metered	565,817	797,500	675
	(B)	Supply at Single Point for Bulk Load	8	2,637	12
	(C1)	Other Metered Domestic Consumers	868,864	1,676,292	2,374
	(C2)	Life Line Consumers/BPL	50,586	50,685	55
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	3,818,609	5,999,749	6,230
LMV-2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	75,913	158,472	151
	(ii)	Metered	122,587	268,729	367
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	8	86	
	(C)	Other Metered Non-Domestic Supply	159,522	420,126	611
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	358,030	847,413	1,139
LMV-3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	306	3,227	11
	(ii)	Nagar Palika & Nagar Panchyat	406	13,995	3
	(iii)	Nagar Nigam	577	4,947	2
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	
	(ii)	Nagar Palika & Nagar Panchyat	48	2,893	1
	(iii)	Nagar Nigam	22	19,411	7
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,359	44,473	15
LMV-4	(A)	Public Institution(4 A)	15,557	132,338	34
	(B)	Private Institution(4 B)	3,324	28,510	8
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	18,881	160,848	42
LMV-5	(A)	Rural Schedule			
	(i)	Un metered Supply	213,080	1,103,535	1,23
	(ii)	Metered Supply	259	1,086	
	(B)	Urban Schedule			
	(i)	Metered Supply	5,492	34,417	6
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	218,831	1,139,038	1,25
LMV-6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	4,658	35,426	
	(ii)	Urban Schedule	7,018	53,520	
	(B)	Small & Medium Power			
	(i)	Rural Schedule	18,670	133,173	10
	(ii)	Urban Schedule	9,806	109,770	11
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	40,152	331,889	41
LMV-7	(A)	Rural Schedule			
	(i)	Jal Nigam	1,065	38,526	1
	(ii)	Jal Sansthan	218	17,489	
	(iii)	Others (Water Works)	164	3,563	
	(B)	Urban Schedule			
	(i)	Jal Nigam	499	11,813	1
	(ii)	Jal Sansthan	638	36,890	2
	(iii)	Others (Water Works)	157	4,306	
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	2,741	112,587	6
LMV-8	(A)	Metered Supply	112	1,125	
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	10,765	185,304	9
	(ii)	Laghu Dal Nahar above 100 BHP	220	11,891	
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	11,097	198,320	1,0
LMV-9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	109	2,013	
	(ii)	Others	-	-	
	(B)	Un-metered Supply			
	(i)	Ceremonies	-	-	
	(ii)	Temporary Shops	-	-	
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	109	2,013	
LMV-10	(A)	Serving			
	(i)	Class IV Employees	3,989	10,516	
	(ii)	Class III Employees	4,239	13,953	
	(iii)	Junior Engineers & Equivalent	846	3,353	
	(iv)	Assistant Engineers & Equivalent	480	2,039	

27/04/15
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2014-15

Form No: F1(a1)

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(v) Executive Engineers & Equivalent	129	823	1
		(vi) Deputy General Manager & Equivalent	41	239	0
		(vii) CGM/GM & Equivalent posts and above	18	102	0
	(B)	Total Pensioner & Family Pensioner	15,708	33,188	48
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	25,450	64,213	82
HV-1	(A)	Urban Schedule			
		(i) For supply at 11kV	339	88,196	234
		(ii) For supply at 33 kV & above	12	18,484	49
	(B)	Rural Schedule			
		(i) For supply at 11kV	15	4,342	5
		(ii) For supply at 33 kV & above	6	682	1
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	372	111,704	289
HV-2	(A)	Urban Schedule			
		(i) For supply at 11kV	706	181,597	543
		(ii) For supply above 11kV and upto & Including 66kV	40	91,078	313
		(iii) For supply above 66kV and upto & Including 132kV	13	92,175	114
		(iv) For supply above 132kV	-	-	-
	(B)	Rural Schedule			
		(i) For supply at 11kV	152	34,670	52
		(ii) For supply above 11kV and upto & Including 66kV	14	33,290	89
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	925	432,810	1,110
HV-3	(A)	For supply at and above 132kV	4	80,975	256
	(B)	For supply below 132kV	1	78,000	196
	(C)	For Delhi Metro Rail	-	-	6
SUB TOTAL		RAILWAY TRACTION (IIV-3)	5	158,975	459
HV-4	(A)	For supply at 11kV	49	50,115	200
	(B)	For supply above 11kV and upto 66kV	17	76,771	355
	(C)	For supply above 66kV and upto 132kV	-	-	11
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (IIV-4)	66	126,886	566
EXTRA STATE	(A)	EXTRA STATE & OTHERS	2	3,000	-
SUB TOTAL		EXTRA STATE CONSUMERS	2	3,000	-
BULK	(A)	Torrent (Depicted as Retail Sales)	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
GRAND TOTAL			4,496,629	9,733,918	13,893

27/10/14
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV-1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	2,286,667	3,641,674	4,720
	(ii)	Metered	893,991	1,260,050	1,460
	(B)	Supply at Single Point for Bulk Load	8	3,034	0
	(C1)	Other Metered Domestic Consumers	955,750	1,843,921	2,810
	(C2)	Life Line Consumers/BPL	65,762	96,624	84
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	4,202,178	6,845,303	9,074
LMV-2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	84,263	201,532	26
	(ii)	Metered	128,716	309,781	54
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	8	-	-
	(C)	Other Metered Non-Domestic Supply	166,634	438,856	65
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	379,622	950,169	1,45
LMV-3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	315	3,324	1
	(ii)	Nagar Palika & Nagar Panchyat	487	16,794	7
	(iii)	Nagar Nigam	548	686,969	2,96
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	49	2,000	1
	(iii)	Nagar Nigam	23	32,866	13
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,422	741,953	3,19
LMV-4	(A)	Public Institution(4 A)	17,113	145,572	47
	(B)	Private Institution(4 B)	3,158	27,085	7
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	20,271	172,656	55
LMV-5	(A)	Rural Schedule			
	(i)	Un metered Supply	225,865	1,191,278	1,96
	(ii)	Metered Supply	311	1,303	1
	(B)	Urban Schedule			
	(i)	Metered Supply	5,657	35,450	0
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	231,832	1,228,031	2,00
LMV-6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	4,751	36,135	
	(ii)	Urban Schedule	7,509	62,468	
	(B)	Small & Medium Power			
	(i)	Rural Schedule	20,164	160,184	2
	(ii)	Urban Schedule	10,002	114,709	2
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	42,426	373,495	5
LMV-7	(A)	Rural Schedule			
	(i)	Jal Nigam	1,136	39,033	1
	(ii)	Jal Sansthan	222	60,161	2
	(iii)	Others (Water Works)	180	8,007	
	(B)	Urban Schedule			
	(i)	Jal Nigam	549	13,787	1
	(ii)	Jal Sansthan	702	37,722	2
	(iii)	Others (Water Works)	165	4,896	
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	2,954	163,607	8
LMV-8	(A)	Metered Supply	118	3,528	3
	(B)	Un-metered Supply			
	(i)	STW, Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	10,980	195,488	
	(ii)	Laghu Dal Nahar above 100 BHP	253	11,729	
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	11,351	210,746	1,0
LMV-9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	114	3,602	
	(ii)	Others	-	-	
	(B)	Un-metered Supply			
	(i)	Ceremonies	-	-	
	(ii)	Temporary Shops	-	-	
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	114	3,602	
LMV-10	(A)	Serving			
	(i)	Class IV Employees	4,069	13,068	
	(ii)	Class III Employees	4,324	14,232	
	(iii)	Junior Engineers & Equivalent	863	4,215	
	(iv)	Assistant Engineers & Equivalent	485	2,059	
	(v)	Executive Engineers & Equivalent	139	975	

27/5/16
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi
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SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(vi) Deputy General Manager & Equivalent	47	336	0
		(vii) CGM/GM & Equivalent posts and above	21	132	0
	(B)	Total Pensioner & Family Pensioner	18,064	38,166	54
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	28,012	73,184	89
HV--1	(A)	Urban Schedule			
		(i) For supply at 11kV	400	104,071	277
		(ii) For supply at 33 kV & above	13	20,702	71
	(B)	Rural Schedule			
		(i) For supply at 11kV	17	4,776	16
		(ii) For supply at 33 kV & above	6	682	2
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	436	130,232	365
HV--2	(A)	Urban Schedule			
		(i) For supply at 11kV	777	199,757	598
		(ii) For supply above 11kV and upto & Including 66kV	42	95,632	335
		(iii) For supply above 66kV and upto & Including 132kV	14	96,784	120
		(iv) For supply above 132kV	-	-	-
	(B)	Rural Schedule			
		(i) For supply at 11kV	160	36,404	80
		(ii) For supply above 11kV and upto & Including 66kV	14	33,623	12
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	1,006	462,199	1,268
HV--3	(A)	For supply at and above 132kV	4	90,692	28
	(B)	For supply below 132kV	1	79,560	26
	(C)	For Delhi Metro Rail	-	-	-
SUB TOTAL		RAILWAY TRACTION (HIV-3)	6	170,252	55
HV--4	(A)	For supply at 11kV	51	52,621	29
	(B)	For supply above 11kV and upto 66kV	20	90,590	60
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HIV-4)	72	143,211	89
EXTRA STATE	(A)	EXTRA STATE & OTHERS	2	3,060	
SUB TOTAL		EXTRA STATE CONSUMERS	2	3,060	
BULK	(A)	Torrent	-	-	-
	(B)	KESCO			
SUB TOTAL		BULK SUPPLY	-	-	-
		GRAND TOTAL	4,921,704	11,671,699	22,02

22/7/2015
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2016-17	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV-1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	2,240,934	3,568,840	4,625
	(ii)	Metered	1,412,506	1,990,879	2,944
	(B)	Supply at Single Point for Bulk Load	8	3,064	0
	(C1)	Other Metered Domestic Consumers	1,051,325	2,028,313	3,508
	(C2)	Life Line Consumers/BPL	85,490	125,612	140
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	4,790,263	7,716,708	11,217
LMV-2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	93,532	223,700	290
	(ii)	Metered	135,152	325,270	731
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	8	-	-
	(C)	Other Metered Non-Domestic Supply	174,063	458,422	765
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	402,756	1,007,392	1,787
LMV-3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	325	3,424	12
	(ii)	Nagar Palika & Nagar Panchyat	585	20,153	8
	(iii)	Nagar Nigam	521	652,621	2,819
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	50	2,040	1
	(iii)	Nagar Nigam	23	33,852	15
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,503	712,089	3,088
LMV-4	(A)	Public Institution(4 A)	18,824	160,129	63
	(B)	Private Institution(4 B)	3,000	25,730	8
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	21,824	185,859	72
LMV-5	(A)	Rural Schedule			
	(i)	Un metered Supply	239,417	1,262,755	2,08
	(ii)	Metered Supply	373	1,564	2
	(B)	Urban Schedule			
	(i)	Metered Supply	5,826	36,513	6
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	245,616	1,300,831	2,17
LMV-6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	4,846	36,857	7
	(ii)	Urban Schedule	8,035	66,840	10
	(B)	Small & Medium Power			
	(i)	Rural Schedule	21,777	172,999	32
	(ii)	Urban Schedule	10,202	117,003	24
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	44,860	393,700	74
LMV-7	(A)	Rural Schedule			
	(i)	Jal Nigam	1,212	41,640	15
	(ii)	Jal Sansthan	227	61,364	25
	(iii)	Others (Water Works)	198	8,808	8
	(B)	Urban Schedule			
	(i)	Jal Nigam	604	15,165	14
	(ii)	Jal Sansthan	772	41,494	27
	(iii)	Others (Water Works)	173	5,141	5
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	3,186	173,613	99
LMV-8	(A)	Metered Supply	123	3,704	3
	(B)	Un-metered Supply			
	(i)	STW, Panchayat Raj WB I.Duch P.C, L1 upto 100 BHP	11,200	199,398	7
	(ii)	Laghu Dal Nahar above 100 BHP	291	13,489	1
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	11,614	216,591	1,0
LMV-9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	120	3,782	-
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	-	-	-
	(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	120	3,782	-
LMV-10	(A)	Serving			
	(i)	Class IV Employees	4,150	13,330	-
	(ii)	Class III Employees	4,410	14,517	-
	(iii)	Junior Engineers & Equivalent	880	4,300	-
	(iv)	Assistant Engineers & Equivalent	490	2,080	-
	(v)	Executive Engineers & Equivalent	150	1,053	-
	(vi)	Deputy General Manager & Equivalent	54	386	-
	(vii)	CGM/GM & Equivalent posts and above	24	151	-
	(B)	Total Pensioner & Family Pensioner	20,774	43,891	-

Director (Commercial)
Purvanchal Vidyut Vitran Nigam Ltd.
Vidyut Nagar D.L.W., Varanasi

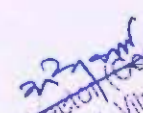
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2016-17					Form No: F1(a3)
SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2016-17	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	30,933	79,708	119
HV--1	(A)	Urban Schedule			
		(i) For supply at 11kV	472	122,804	326
		(ii) For supply at 33 kV & above	15	23,186	79
	(B)	Rural Schedule			
		(i) For supply at 11kV	18	5,254	17
		(ii) For supply at 33 kV & above	6	682	2
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	511	151,926	425
HV--2	(A)	Urban Schedule			
		(i) For supply at 11kV	854	219,732	657
		(ii) For supply above 11kV and upto & Including 66kV	44	100,413	356
		(iii) For supply above 66kV and upto & Including 132kV	14	101,623	126
		(iv) For supply above 132kV	-	-	-
	(B)	Rural Schedule			
		(i) For supply at 11kV	168	38,224	90
		(ii) For supply above 11kV and upto & Including 66kV	14	33,959	127
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	1,095	493,952	1,356
HV--3	(A)	For supply at and above 132kV	5	101,575	322
	(B)	For supply below 132kV	1	81,151	273
	(C)	For Delhi Metro Rail	-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)	6	182,726	595
HV--4	(A)	For supply at 11kV	54	55,252	309
	(B)	For supply above 11kV and upto 66kV	24	106,896	712
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)	78	162,148	1,021
EXTRA STATE	(A)	EXTRA STATE & OTHERS	2	3,121	(
SUB TOTAL		EXTRA STATE CONSUMERS	2	3,121	(
BULK	(A)	Torrent	-	-	-
	(B)	KESCO			
SUB TOTAL		BULK SUPPLY	-	-	-
GRAND TOTAL			5,554,367	12,784,147	25,30

22/10/16
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi
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Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Revenue & Capital Subsidies					Form No: F2	
S.No	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
A	Revenue Subsidies And Grants					
1	Revenue Subsidy					
2	Agriculture Subsidy	1,707.54	1,707.54	1,838.04	1,787.46	1,808.13
3	Subsidy adjustment against ED					
4						
5	Subsidy for Power Looms					
	Sub-Total	1,707.54	1,707.54	1,838.04	1,787.46	1,808.13
B	Capital Subsidies And Grants					
1	APDRP					
2	PTW					
3	UPSIDC	121.48	121.48	199.21	99.58	47.02
4	Indian Industries Association					
5	Others					
	Sub-Total	121.48	121.48	199.21	99.58	47.02
	Total	1,829.02	1,829.02	2,037.25	1,887.04	1,855.15
S.No	Actual Flow of Funds	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
	In Rs Crores	Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Balance Subsidy for Previous years Receivable					
2	Subsidy Due for the year	1,829.02	1,829.02	2,037.25	1,887.04	1,855.15
3	Total Subsidy Receivable	1,829.02	1,829.02	2,037.25	1,887.04	1,855.15
4	Cash	1,829.02	1,829.02	2,037.25	1,887.04	1,855.15
5	ED Adjustment/Retained	-	-	-	-	-
6	Cess Adjustment/Retained					
7	Central Assistance Adjustment					
8	Adjustment of Penal intt on ED & Cess					
9	Adjustment of Past Loans					
10	Adjustment of Interst on Loan					
11	Total Subsidy Received	1,829.02	1,829.02	2,037.25	1,887.04	1,855.15
12	Balance Subsidy Receivable: (3)-(12)	-	-	-	-	-

22/09/2016
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Income from Investments and Non-Tariff Income						Form No: F3
S.No	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A	Income from Investment					
1	Interest Income from Investments	0.00	0.00	0.00	0.00	0.00
2	Interest on fixed deposits	17.45	17.45	12.47	12.97	13.09
3	Interest from Banks other than Fixed Deposits				-	-
4	Interest on (any other items)				-	-
	Sub-Total (A)	17.45	17.45	12.48	12.98	13.10
B	Non Tariff Income					
1	Interest on loans and Advances to staff	0.01	0.01	0.01	0.01	0.01
2	Interest on Loans and Advances to Licensee					
3	Interest on Loans and Advances to Lessors					
4	Interest on Advances to Suppliers / Contractors	4.44	4.44	8.26	8.59	8.67
5	Income from Trading					
6	Gain on Sale of Fixed Assets					
7	Miscellaneous receipts	0.20	0.20	0.87	0.91	0.91
8	Delayed payment charges from consumers					
9	Meter Rent					
10	Recovery from theft of energy					
11	Wheeling charges					
12	Misc. charges from consumers					
13	Income from Other Business					
14	Contract Demand Violation Charges					
15	Less: Rebate for supply at higher voltage	0.02	0.02	0.01	0.01	0.01
16	Less: Any other rebates					
	Sub-Total (B)	4.67	4.67	9.15	9.52	9.60
	Total	22.12	22.12	21.63	22.49	22.70


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W. Jharkhand
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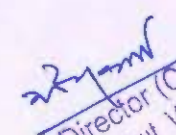
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited															
Details of Monthly Electricity Purchases from different Generating Stations - FY 2014-15															Form No: F4a
MONTH	Plant Capacity	UTILITY's SHARE		Availability of Generating Station	Total Fixed or Capacity Charges	ESO by Generator	Energy Share to be received by the utility (Deducting auxiliary consumption)	Energy Units received by utility at its periphery (After deducting inter state/intra state transmission losses)	Fixed or Capacity charges to be paid by the utilities	Var Charges/En ergy Charges to be paid by the utilities	Incentive to generating stations (if any)	Transmission /Wheeling Charges (inter state/intra state)	Any other charges	Avg cost of energy at gen bus bar	Avg cost of energy recd at interface point of the utility
	MW	MW	%		Rs Cr	MU	MU	MU	p/u	p/u	p/u	p/u	p/u	p/u	p/u
1	2	3	4		5	6	7	9	10	11	12	13	14	15	16
April															
May															
June															
July															
August															
September															
October															
November															
December															
January															
February															
March															
TOTAL								18251.83							
Arrear Bills for the past period due to revision of energy account/ tariff revision															
Total Cost															


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited									
Details of Monthly Electricity Purchases from different Generating Stations - FY-2015-16							Form No: F4a		
Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,862	0.72	277	2.04	786	2.75	1,064	2.75
Anpara B	1,000	7,213	1.09	786	1.88	1,354	2.97	2,140	2.97
Harduagunj	165	301	1.52	46	3.52	106	5.03	151	5.03
Obra A	288	535	1.21	65	2.46	131	3.67	196	3.67
Obra B	1,000	3,966	0.69	272	2.31	916	3.00	1,189	3.00
Panki	210	647	1.41	91	4.36	282	5.77	374	5.77
Parichha	220	427	1.04	44	4.22	180	5.26	225	5.26
Parichha Extn.	420	2,258	1.44	325	3.46	781	4.90	1,106	4.90
Parichha Extn. Stage II	500	3,397	1.85	630	3.45	1,173	5.30	1,802	5.30
Harduaganj Ext.	500	3,397	2.02	688	2.72	925	4.75	1,612	4.75
Anpara D	1,000	823	1.51	124	1.70	140	3.21	264	3.21
Sub total - Thermal	5,933	26,828	0.00	3,348	0.00	6,775	0.00	10,124	3.77
Per unit Avg Rate of Thermal Generation								3.77	
Hydro Stations									
Khara	58	151	0.75	11	0.00	-	0.75	11	0.75
Matatila	20	53	0.68	4	0.00	-	0.68	4	0.68
Obra (Hydel)	99	260	0.66	17	0.00	-	0.66	17	0.66
Rihand	255	670	0.57	38	0.00	-	0.57	38	0.57
UGC Power Stations	14	36	2.22	8	0.00	-	2.22	8	2.22
Belka & Babail	6	16	2.34	4	0.00	-	2.34	4	2.34
Sheetla	4	9	2.84	3	0.00	-	2.84	3	2.84
Sub total - Hydro	455	1,195		85		-		85	0.71
Purchase Per unit Avg Rate from hydro generating stations								0.71	
Sub-Total Own generation	6388	28023		3,433.06		6,775.17		10,208.22	3.64
Procurement of power from Central Sector Generating Stations									
Anta	119	626	0.71	44	4.44	278	5.15	322	5.15
Auriya	243	1,279	0.53	68	4.84	618	5.37	687	5.37
Dadri Thermal	84	613	0.82	50	3.97	243	4.79	294	4.79
Dadri Gas	271	1,427	0.55	78	4.38	626	4.93	703	4.93
Dadri Extension	148	1,055	1.55	164	3.54	373	5.09	537	5.09
Rihand-I	372	2,697	0.78	211	2.00	539	2.78	750	2.78
Rihand-II	346	2,791	0.91	254	1.87	522	2.78	776	2.78
Singrauli	846	6,687	0.52	347	1.28	857	1.80	1,204	1.80
Tanda	440	3,255	1.01	329	3.55	1,155	4.56	1,484	4.56
Unchahar-I	257	2,009	0.83	167	2.82	566	3.65	733	3.65
Unchahar-II	152	1,166	0.86	100	2.79	325	3.65	426	3.65
Unchahar-III	74	577	1.32	76	2.33	135	3.65	211	3.65
Farakka	33	202	0.82	17	2.75	55	3.57	72	3.57
Kahalgaon St. I	77	552	0.92	51	2.51	139	3.43	189	3.43
Kahalgaon St.II Ph.I	251	1,807	1.17	212	2.26	408	3.43	620	3.43
Koldam (Hydro)	204	780	1.56	122	2.32	181	3.88	303	3.88
Rihand-III	375	1,980	1.27	251	1.51	299	2.78	550	2.78
Sub-Total NTPC	4,294	29,503	0.00	2,542	0.00	7,319	0.00	9,861	3.34
Chamera	109	336	0.58	20	0.82	27	1.40	47	1.40
Chamera-II	86	392	1.28	50	1.00	39	2.28	89	2.28
Chamera-III	62	282	1.74	49	1.86	53	3.60	102	3.60
Dhauliganga	75	281	1.10	31	1.27	36	2.37	67	2.37

22/7/16
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited									
Details of Monthly Electricity Purchases from different Generating Stations, - FY 2015-16								Form No: F4a	
Salal I&II	48	252	0.60	15	0.38	9	0.98	25	0.98
Tanakpur	21	103	1.70	17	1.22	12	2.92	30	2.92
Uri	96	497	1.05	52	0.89	44	1.94	96	1.94
Dulhasti	111	516	2.82	145	2.30	118	5.12	264	5.12
Sewa-II	35	136	1.89	26	1.81	25	3.70	50	3.70
Uri-II	51	221	2.49	55	0.45	10	2.94	65	2.94
Parbati ST-III	140	514	1.05	54	3.74	192	4.79	246	4.79
Sub-Total NHPC	834	3,529	0.00	515	0.00	566	0.00	1,081	3.06
NAPP	166	1,025	0.00	-	2.49	255	2.49	255	2.49
RAPP #3&4	80	671	0.00	-	2.96	199	2.96	199	2.96
RAPP#5&6	115	885	0.00	-	3.53	312	3.53	312	3.53
Sub-Total NPCIL	361	2,581	0.00	-	0.00	766	0.00	766	2.97
NATHPA JHAKRI HPS	287	2,012	1.06	213	1.45	292	2.51	505	2.51
TALA POWER	45	181	0.00	-	2.13	39	2.13	39	2.13
Koteshwar	173	569	1.94	110	1.80	102	3.74	213	3.74
Srinagar	290	1,776	0.00	-	4.00	710	4.00	710	4.00
Sasan	495	3,469	0.15	54	1.15	399	1.30	452	1.30
Teesta St-III	561	2,431	2.33	565	1.71	415	4.03	980	4.03
Karcham-Wangtoo	200	158	0.00	-	3.00	47	3.00	47	3.00
VISHNUPRAYAG	352	2,450	0.58	143	1.25	307	1.84	451	1.84
TEHRI STAGE-I	418	2,171	1.51	327	3.42	743	4.93	1,070	4.93
Rosa Power Project	600	4,066	1.73	704	3.58	1,455	5.31	2,160	5.31
Rosa Power Project	600	4,066	1.73	704	3.61	1,468	5.34	2,172	5.34
Bara	1,782	2,126	1.17	249	1.85	394	3.02	642	3.02
Anpara 'C'	1,100	7,015	1.36	957	2.48	1,740	3.84	2,697	3.84
IGSTPP, Jhajhjar	51	212	2.59	55	4.19	89	6.78	144	6.78
Bajaj Hindusthan	450	2,807	2.25	632	4.39	1,232	6.64	1,864	6.64
Lalitpur	1,980	2,848	1.88	535	2.95	840	4.83	1,375	4.83
Sub-Total IPP/JV	9,383	38,354	0.00	5,248	0.00	10,273	0.00	15,521	4.05
Captive and Cogen	-	2,865	0.00	-	4.61	1,321	4.61	1,321	4.61
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,940	0.00	-	5.00	2,470	5.00	2,470	5.00
Solar Energy	-	84	0.00	-	10.35	87	10.35	87	10.35
NVVN Coal Power	-	352	0.00	-	3.13	110	3.13	110	3.13
Sub-Total : Co-Generation & Other Sources	-	8,241	0.00	-	0.00	3,988	0.00	3,988	4.84
Grand Total of Power Purchase	21259	110231		11,737.79		29,687.0		41,424.82	3.76


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited									
Details of Monthly Electricity Purchases from different Generating Stations - FY 2016-17								Form No: F4a	
Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,852	0.75	289	2.12	816	2.87	1,104	2.87
Anpara B	1,000	7,194	1.11	801	1.95	1,404	3.07	2,206	3.07
Harduagunj	165	300	1.58	47	3.66	110	5.23	157	5.23
Obra A	288	533	1.25	67	2.55	136	3.81	203	3.81
Obra B	1,000	3,955	0.71	281	2.40	951	3.11	1,232	3.11
Panki	210	646	1.46	94	4.54	293	6.00	387	6.00
Parichha	220	425	1.06	45	4.39	187	5.45	232	5.45
Parichha Extn.	420	2,252	1.44	325	3.60	810	5.04	1,135	5.04
Parichha Extn. Stage II	500	3,388	1.84	625	3.59	1,216	5.43	1,841	5.43
Harduaganj Ext.	500	3,388	2.01	681	2.83	959	4.84	1,640	4.84
Anpara D	1,000	6,192	1.66	1,027	1.77	1,094	3.43	2,121	3.43
Sub total - Thermal	5933	32126		4283		7976		12259	3.82
Per unit Avg Rate of Thermal Generation								3.82	
Hydro Stations									
Khara	58	151	0.78	12	0.00	-	0.78	12	0.78
Matatila	20	53	0.70	4	0.00	-	0.70	4	0.70
Obra (Hydel)	99	260	0.68	18	0.00	-	0.68	18	0.68
Rihand	255	670	0.59	40	0.00	-	0.59	40	0.59
UGC Power Stations	14	36	2.30	8	0.00	-	2.30	8	2.30
Belka & Babail	6	16	2.43	4	0.00	-	2.43	4	2.43
Sheetla	4	9	2.95	3	0.00	-	2.95	3	2.95
Sub total - Hydro	455	1,195	0.00	88	0.00	-	0.00	88	0.74
Purchase Per unit Avg Rate from hydro generating stations								0.74	
Sub-Total Own	6388	33321		4,370.72		7,975.92		12,346.64	3.71
Procurement of power from Central Sector Generating Stations									
Anta	119	626	0.73	46	4.62	289	5.36	335	5.36
Auriya	243	1,279	0.55	71	5.03	643	5.58	714	5.58
Dadri Thermal	84	613	0.86	52	4.13	253	4.98	305	4.98
Dadri Gas	271	1,427	0.57	81	4.56	651	5.13	732	5.13
Dadri Extension	148	1,055	1.61	170	3.68	388	5.29	559	5.29
Rihand-I	372	2,697	0.81	220	2.08	560	2.89	780	2.89
Rihand-II	346	2,791	0.95	264	1.95	543	2.89	807	2.89
Singrauli	846	6,687	0.54	361	1.33	891	1.87	1,252	1.87
Tanda	440	3,255	1.05	343	3.69	1,201	4.74	1,544	4.74
Unchahar-I	257	2,009	0.86	174	2.93	589	3.80	763	3.80
Unchahar-II	152	1,166	0.89	104	2.90	338	3.80	443	3.80
Unchahar-III	74	577	1.37	79	2.43	140	3.80	219	3.80
Farakka	33	202	0.85	17	2.86	58	3.71	75	3.71
Kahalgao St. I	77	552	0.96	53	2.61	144	3.57	197	3.57
Kahalgao St.II Ph.I	251	1,807	1.22	221	2.35	424	3.57	645	3.57
Koldam (Hydro)	95	361	1.56	56	2.41	87	3.97	143	3.97
Rihand-III	375	1,980	1.32	261	1.57	311	2.89	572	2.89
Sub-Total NTPC	4184	29083		2573		7510		10084	3.47
Chamera	109	336	0.60	20	0.85	29	1.46	49	1.46

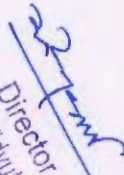
22/Jan/17
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited									
Details of Monthly Electricity Purchases from different Generating Stations - FY 2016-17								Form No: F4a	
Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost (Rs. / kWh)
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Chamera-II	86	392	1.34	52	1.04	41	2.37	93	2.37
Chamera-III	62	282	1.81	51	1.86	53	3.67	103	3.67
Dhauliganga	75	281	1.10	31	1.27	36	2.37	67	2.37
Salal I&II	48	252	0.60	15	0.38	9	0.98	25	0.98
Tanakpur	21	103	1.70	17	1.22	13	2.92	30	2.92
Uri	96	497	1.05	52	0.89	44	1.94	96	1.94
Dulhasti	111	516	2.82	145	2.30	118	5.12	264	5.12
Sewa-II	35	136	1.89	26	1.81	25	3.70	50	3.70
Uri-II	25	111	4.98	55	0.45	5	5.43	60	5.43
	-	-	0.00	-	0.00	-	0.00	-	0.00
Parbati ST-III	104	383	1.41	54	3.74	143	5.15	197	5.15
Sub-Total NHPC	773	3287		519.58		514.80		1,034.38	3.15
NAPP	166	935	0.00	-	2.59	242	2.59	242	2.59
RAPP #3&4	80	604	0.00	-	3.08	186	3.08	186	3.08
RAPP#5&6	115	799	0.00	-	3.67	293	3.67	293	3.67
Sub-Total NPCIL	361	2339				721.55		721.55	3.09
NATHPA JHAKRI HPS	287	1,383	1.60	221	1.51	209	3.11	430	3.11
TALA POWER	45	181	0.00	-	2.22	40	2.22	40	2.22
Koteshwar	173	569	2.02	115	1.87	107	3.89	221	3.89
Srinagar	290	519	0.00	-	4.16	216	4.16	216	4.16
Sasan	495	2,081	0.27	56	1.20	249	1.46	305	1.46
Teesta St-III	2,175	10,186	2.19	2,227	1.52	1,553	3.71	3,780	3.71
Karcham-Wangtoo	200	158	0.00	-	3.12	49	3.12	49	3.12
VISHNUPRAYAG	352	1,623	0.92	149	1.30	212	2.22	361	2.22
TEHRI STAGE-I	418	1,809	1.88	340	3.56	644	5.44	984	5.44
Rosa Power Project	600	3,946	1.75	689	3.72	1,469	5.47	2,158	5.47
Rosa Power Project	600	3,946	1.75	689	3.75	1,481	5.50	2,171	5.50
Bara	1,782	7,395	1.18	874	3.14	2,323	4.32	3,197	4.32
Anpara 'C'	1,100	7,015	1.77	1,241	2.58	1,809	4.35	3,050	4.35
IGSTPP, Jhajhhar	51	354	1.61	57	4.36	154	5.97	211	5.97
Bajaj Hindusthan	450	2,807	2.25	632	4.57	1,281	6.82	1,913	6.82
Lalitpur	1,782	10,108	1.88	1,900	2.95	2,982	4.83	4,882	4.83
Sub-Total IPP/JV	10799	54080		9190		14779		23969	4.432069
Captive and Cogen	-	2,865	0.00	-	4.79	1,374	4.79	1,374	4.79
Inter system exchange	-	217	0.00	-	5.30	115	5.30	115	5.30
Solar Energy	-	84	0.00	-	10.76	90	10.76	90	10.76
NVVN Coal Power	-	352	0.00	-	3.26	114	3.26	114	3.26
Sub-Total : Co-Generation	-	3518				1,693.45		1,693.45	4.81
Grand Total of Power	22505	125627		16653		33,194.7		49,848.13	3.97

Note: DVVNL procures power from UPPCL which is its holding company. The overall portfolio of power purchase at the UPPCL level is provided above

22/9/16
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited									
Energy Transmitted/wheeled through a particular transmission system, charges payable and other details									Form No: F4b
S 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 aloted to the distribution licensee	Transmission charges	Other charges	Total Charges	Transmissi on charges/unit
			(MU)	MW	MW	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.
1	UPPTCL	FY 2014-15	18,251.83			289.34	-	289.34	0.159
2	UPPTCL	FY 2015-16	27,853.00			480.69	-	480.69	0.173
3	UPPTCL	FY 2016-17	31,332.81			606.53	-	606.53	0.194
4									
5									
6									
7									
8									
9									


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.R.W. Varanasi

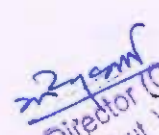
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Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

Repair & Maintenance Expenditure

Form No: F5

S No.	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Plant and Machinery	108.79	108.79	71.48	121.86	122.98
2	Building	40.83	40.83	30.47	45.74	46.16
3	Civil Works	0.51	0.51	0.03	0.58	0.58
4	Hydraulic Works		-		-	-
5	Transformers		-		-	-
6	Lines, Cables Net Works etc.	180.56	180.56	267.42	202.25	204.11
7	Vehicles				-	-
8	Furniture and Fixtures	-		-	-	-
9	Office Equipments	0.06	0.06	0.06	0.07	0.07
10	Transportation				-	-
11	Sub station maintenance by private agencies				-	-
12	Any other items (Capitalisation)				-	-
	Additional R&M(@2.5% of incremental GFA)	-	-	-	4.44	12.61
	Total	330.75	330.75	369.46	374.93	386.51


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar, D.L.W. Varanasi

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Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

Employee Cost and Provisions

Form No: F6a

S.No	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Salaries	196.85	196.85	186.43	220.51	222.54
2	Dearness Allowance	151.40	151.40	159.64	169.58	171.15
3	Other Allowances & Relief	15.80	15.80	15.15	17.70	17.86
4	Bonus/Exgratia	2.90	2.90	2.02	3.24	3.27
5	Medical Expenses Reimbursement	2.44	2.44	5.77	2.73	2.76
6	Leave Travel Assistance	0.00	0.00	-	0.00	0.00
7	Earned Leave Encashment	24.96	24.96	25.76	27.96	28.21
8	Compensation	0.39	0.39	0.51	0.44	0.44
9	Staff Welfare Expenses	0.01	0.01	0.03	0.01	0.01
10	Pension and gratuity	57.48	57.48	29.58	64.39	64.98
11	Other Terminal benefits	0.49	0.49	0.49	0.55	0.56
12	Expenditure on trust				-	-
13	Any other employee expenses	0.58	0.58	0.560070	0.65	0.65
14	Employers Contribution to Provident Fund	7.94	7.94	9.77	8.89	8.97
15	Additional employee Expenses(@2.5% of incremental GFA)	-	-	-	16.20	44.02
	Grand Total	461.23	461.23	435.70	532.85	565.42
	Employee expenses capitalized	218.62	218.62	218.26	79.93	84.81
	Net employee expenses	242.61	242.61	217.44	452.92	480.61

22/7/2017
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited,
Vidyut Nagar D.L.W., Varanasi

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S.No.	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A)	Administration Expenses					
1	Rent rates and taxes (Other than all taxes on income and profit)	1.08	1.08	1.04	1.20	1.22
2	Insurance of employees, assets, legal liability	0.37	0.37	0.38	0.41	0.41
3	Revenue Stamp Expenses Account					
4	Telephone, Postage, Telegram, Internet Charges	1.80	1.80	1.91	2.02	2.04
5	Incentive & Award To Employees/Outsiders					
6	Consultancy Charges	0.11	0.11	9.77	0.13	0.13
7	Travelling	3.12	3.12	3.11	3.50	3.53
8	Technical Fees					
9	Other Professional Charges					
10	Conveyance And Travel (vehicle hiring, running)					
11	UPERC License fee					
12	Plant And Machinery (for administrative use)					
13	Security / Service Charges Paid To Outside Agencies					
14	Other Regulatory Expenses					
15	IT related expenses					
	Sub-Total of Administrative Expenses	6.48	6.48	16.21	7.26	7.32
B)	Other Charges					
1	Fee And Subscriptions (Books And Periodicals)	1.94	1.94	4.48	2.18	2.20
2	Printing And Stationery	4.22	4.22	3.79	4.73	4.77
3	Advertisement Expenses	1.79	1.79	1.92	2.01	2.03
4	Contributions/Donations To Outside Institute / Association					
5	Electricity Charges To Offices	30.59	30.59	23.95	34.27	34.58
6	Water Charges					
7	Consultancy expenses /Any Study related expenses					
8	Miscellaneous Expenses	59.03	59.03	57.70	66.12	66.73
9	Expenses on Public Interaction Program					
10	Any Other expenses	14.21	14.21	14.34	15.92	16.06
	Sub-Total of other charges	111.79	111.79	106.18	125.22	126.37
C)	Legal Charges	1.67	1.67	1.84	1.87	1.89
D)	Auditor'S Fee	0.28	0.28	0.29	0.32	0.32
E)	Frieght - Material Related Expenses					
F)	Other Departmental Charges					
	Additional A&G expenses(@2.5% of incremental GFA)				11.40	30.43
G)	Total Charges	120.22	120.22	124.51	146.07	166.34
H)	Expenses capitalized	20.81	20.81	51.24	21.91	24.95
I)	Net Administrative and General expenses	99.42	99.42	73.28	124.16	141.39

27/11/17
 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited											
Fixed Assets and Provision for Depreciation											
Sl.No	Particulars	FY 2013-14									
		Gross Fixed Assets				Provision For Depreciation				Net Fixed Assets	
		At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	At The begning of Year
1	Land & Land rights										
	a. Unclassified										
	b. Free hold land										
2	Buildings										
3	Other civil works										
4	Plant and machinery										
5	Transmission and Distribution system (Lines, cable network etc.)										
6	Meters and other Metering Equipment										
7	Communication equipment										
8	Vehicles										
9	Furniture and fixtures										
10	Office equipments										
11	Intangible Assets										
	a. Computer Software										
	b. Investment in capacity argumentation										
	c. Others										
12	Assets taken over & pending final valuation										
13	Transfer Schemes										
	Total (1 to 13)	4,257.03	2,677.07	615.85	6,318.25	7.84%		414.55			
	Less; Dep on Assets Capitalized through Consumer Contribution							59.94			
	Net Depreciation							354.62			

Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W. Varanasi
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Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited												
Fixed Assets and Provision for Depreciation											Form No: F8	
Sl.No	Particulars	FY 2014-15										
		Gross Fixed Assets				Provision For Depreciation					Net Fixed Assets	
		At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	Rate of Deprecia-tion	At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
	a. Unclassified											
	b. Free hold land											
2	Buildings											
3	Other civil works											
4	Plant and machinery											
5	Transmission and Distribution system (Lines, cable network etc.)											
6	Meters and other Metering Equipment											
7	Communication equipment											
8	Vehicles											
9	Furniture and fixtures											
10	Office equipments											
11	Intangible Assets											
	a. Computer Software											
	b. Investment in capacity argumentation											
	c. Others											
12	Assets taken over & pending final valuation											
13	Transfer Schemes											
	Total (1 to 13)	6,318.25	1,966.35	684.70	7,599.90	7.84%		545.59				
	Less; Dep on Assets Capitalized through Consumer Contribution							31.96				
	Net Depreciation							513.63				


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi
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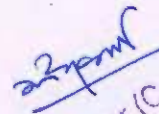
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited												
Fixed Assets and Provision for Depreciation											Form No: F8	
Sl.No	Particulars	FY 2015-16										
		Gross Fixed Assets				Provision For Depreciation					Net Fixed Assets	
		At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	Rate of Deprecia-tion	At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
	a. Unclassified											
	b. Free hold land											
2	Buildings											
3	Other civil works											
4	Plant and machinery											
5	Transmission and Distribution system (Lines, cable network etc.)											
6	Meters and other Metering Equipment											
7	Communication equipment											
8	Vehicles											
9	Furniture and fixtures											
10	Office equipments											
11	Intangible Assets											
	a. Computer Software											
	b. Investment in capacity argumentation											
	c. Others											
12	Assets taken over & pending final valuation											
13	Transfer Schemes											
	Total (1 to 13)	7,599.90	2,149.47	-	9,749.37	7.84%		680.09				
	Less; Dep on Assets Capitalized through Consumer Contribution							221.12				
	Net Depreciation							458.97				

Purvanchal Vidyut Vitran Nigam Limited
 Director (Comm.)
 Vidyut Nagar D.L.W., Varanasi
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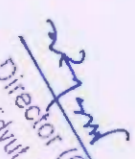
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited												
Fixed Assets and Provision for Depreciation											Form No: F8	
Sl.No	Particulars	FY 2016-17										
		Gross Fixed Assets				Provision For Depreciation					Net Fixed Assets	
		At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	Rate of Deprecia-tion	At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
	a. Unclassified											
	b. Free hold land											
2	Buildings											
3	Other civil works											
4	Plant and machinery											
5	Transmission and Distribution system (Lines, cable network etc.)											
6	Meters and other Metering Equipment											
7	Communication equipment											
8	Vehicles											
9	Furniture and fixtures											
10	Office equipments											
11	Intangible Assets											
	a. Computer Software											
	b. Investment in capacity argumentation											
	c. Others											
12	Assets taken over & pending final valuation											
13	Transfer Schemes											
	Total (1 to 13)	9,749.37	2,312.14	-	12,061.51	0.08		854.99				
	Less; Dep on Assets Capitalized through Consumer Contribution							277.98				
	Net Depreciation							577.00				

22/1/2017
 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

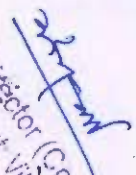
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Interest & Finance Charges						Form F-9
S.No	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A	Interest and Finance Charges on Long Term Loans / Credits from the FIs/banks/organisations approved by the State Government					
		194.24	194.24	369.18	0.00	0.00
	Interest on Long Term Loans	318.46	273.78	361.94	743.71	853.79
	Interest on Working Capital	735.80	60.80	778.30	67.14	167.90
	Total Interest Charges	1,248.49	528.82	1,509.42	810.85	1,021.69
	Finance Charges					
	Interest to Consumers	34.74	34.74	38.96	43.29	45.10
	Bank Charges	0.06	0.06	0.09	0.09	0.09
	Discount to Consumers	-	-	-	-	-
	Finance Charges/Guarantee fees	-	-	-	-	-
	Total Finance Charges	34.80	34.80	39.05	43.39	45.19
	Gross Interest and Finance Charges	1,283.29	563.62	1,548.47	854.24	1,066.89
	IDC	15.00	15.00	15.58	171.05	196.37
	Net Interest and Finance Charges	1,268.29	548.62	1,532.90	683.18	870.51


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar-D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing (Normative Loans)						Form No: F9 (a)
Particulars	Opening Balance at the beginning as on April 1, 2013	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2014
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
Long Term Loans						
Go UP (T/Scheme)						
Go UP-APDRP						
Go UP World Bank						
UPSIDCL						
Hudco						
REC (T/Scheme)						
PFC (Transfer Scheme)						
REC (APDRP)						
REC (Bridge Loan)						
PFC (T/Scheme)						
PFC (R-APDRP)						
PFC (Business Plan)						
REC (Sub Station Loan)						
REC (ABC Loan)						
PFC (R-APDRP Part B)						
Interest Accrued but not due						
REC (WC)						
REC (Transfer S)						
Bank Loans (FRP)						
PFC						
REC						
Noida+ Mandi Parishad						
Total	1,618.88	1,055.66	354.62	273.78	13.90%	2,319.93


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.E.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing (Normative Loans)					Form No: F9 (a)	
Particulars	Opening Balance at the beginning as on April 1, 2014	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2015
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
Long Term Loans						
Go UP (T/Scheme)						
Go UP-APDRP						
Go UP World Bank						
UPSIDCL						
Hudco						
REC (T/Scheme)						
PFC (Transfer Scheme)						
REC (APDRP)						
REC (Bridge Loan)						
PFC (T/Scheme)						
PFC (R-APDRP)						
PFC (Business Plan)						
REC (Sub Station Loan)						
REC (ABC Loan)						
PFC (R-APDRP Part B)						
Interest Accrued but not due						
REC (WC)						
REC (Transfer S)						
Bank Loans (FRP)						
PFC						
REC						
Noida+ Mandi Parishad						
Total	2,319.93				12.75%	4,943.13


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar, D.L.W., Varanasi
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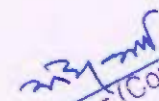
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing (Normative Loans)					Form No: F9 (a)	
Particulars	Opening Balance at the beginning as on April 1, 2015	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2016
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
Long Term Loans						
Go UP (T/Scheme)						
Go UP-APDRP						
Go UP World Bank						
UPSIDCL						
Hudco						
REC (T/Scheme)						
PFC (Transfer Scheme)						
REC (APDRP)						
REC (Bridge Loan)						
PFC (T/Scheme)						
PFC (R-APDRP)						
PFC (Business Plan)						
REC (Sub Station Loan)						
REC (ABC Loan)						
PFC (R-APDRP Part B)						
Interest Accrued but not due						
REC (WC)						
REC (Transfer S)						
Bank Loans (FRP)						
PFC						
REC						
Noida+ Mandi Parishad						
Total	4,943.13	1,272.12	458.97	743.71	13.90%	5,756.28

Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

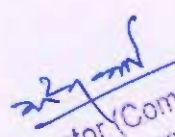
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing (Normative Loans)						Form No: F9 (a)
Particulars	Opening Balance at the beginning as on April 1, 2016	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2017
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
Long Term Loans						
Go UP (T/Scheme)						
Go UP-APDRP						
Go UP World Bank						
UPSIDCL						
Hudco						
REC (T/Scheme)						
PFC (Transfer Scheme)						
REC (APDRP)						
REC (Bridge Loan)						
PFC (T/Scheme)						
PFC (R-APDRP)						
PFC (Business Plan)						
REC (Sub Station Loan)						
REC (ABC Loan)						
PFC (R-APDRP Part B)						
Interest Accrued but not due						
REC (WC)						
REC (Transfer S)						
Bank Loans (FRP)						
PFC						
REC						
Noida+ Mandi Parishad						
Total	5,756.28	1,347.50	577.00	853.79	13.90%	6,526.78

Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W. Varanasi
 Director (Comm.)
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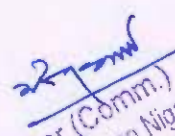
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Details of Expenses Capitalised						Form -10
Sl.No.	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Interest & Finance charges Capitalised	15.00	15.00	15.58	171.05	196.37
2	Other expenses capitalised:					
	a. Employee expenses	218.62	218.62	218.26	79.93	84.81
	b. R&M Expenses					
	c. A&G Expenses	20.81	20.81	51.24	21.91	24.95
	d. Others, if any					
	Total of 2	239.43	239.43	269.50	101.84	109.76
	Grand Total	254.43	254.43	285.08	272.89	306.14


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar, D.L.W. Varanasi

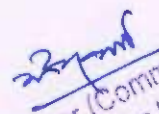
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Debits, Write-offs and any other items						Form-11
Sl.No.	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
1	Material Cost Variance					
2	Miscellaneous Losses And Write Off					
3	Bad Debt Written Off/Provided For	- 15.30	136.66	66.81	194.82	109.73
4	Cost Of Trading & Manufacturing Activities					
5	Net Prior Period Credit/Charges	718.94	718.94	2.68	0.00	0.00
6	Sub-Total	703.64	855.60	69.50	194.82	109.73
7	Less Chargeable To Capital Expense					
	Net Chargeable To Revenue	703.64	855.60	69.50	194.82	109.73


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

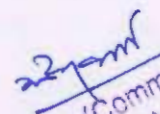
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Statement of Sundry Debtors and provision for Bad & Doubtful Debts					Form No: F12
Sl.No.	Particulars	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		True-Up	Provisional Accounts	Revised Estimates	ARR
1	Receivable from customers as at the beginning of the year	7,123.70	6,832.94	8,102.38	9,741.24
2	Revenue billed for the year	5,044.45	5,441.99	10,925.72	12,315.99
3	Collection for the year	5,335.21	4,172.55	9,286.86	11,084.39
	Against current dues				
	Against arrears upto previous year				
4	Gross receivable from customers as at the end of the year	6,832.94	8,102.38	9,741.24	10,972.83
5	Receivables against permanently disconnected consumers				
6	Receivables(4-5)	6,832.94	8,102.38	9,741.24	10,972.83
7	% of provision	2.00%	2.00%	2.00%	1.00%
8	Provision for bad and doubtful debts	136.66	66.81	194.82	109.73


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Extraordinary Items					Form No: F13	
Sl.No.	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Extraordinary Credits	NIL				
	subsidies against losses due to natural disasters					
	TOTAL CREDITS					
2	Extraordinary Debits					
	subsidies against losses due to natural disasters					
	TOTAL DEBITS					
	Grand Total					


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Net Prior Period Expenses / Income						Form No: F14
Sl.No.	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
A	Income relating to previous years:					
1	Interest income for prior periods					
2	Income Tax prior period					
3	Excess Provision for Depreciation					
4	Excess Provision for Interest and Fin. Charges	1.97	1.97			
5	Receipts from consumers	-379.11	-379.11			
6	Other Excess Provision					
7	Others					
	Sub-Total A	-377.14	-377.14	0.00	0.00	0.00
B	Expenditure relating to previous years					
1	Power Purchase					
2	Operating Expenses					
3	Excise Duty on generation					
4	Employee Cost	0.60	0.60	2.66		
5	Depreciation	278.05	278.05			
6	Interest and Finance Charges	62.89	62.89			
7	Admn. Expenses			0.02		
8	Withdrawal of Revenue Demand					
9	Material Related	0.26	0.26			
10	Others					
	Sub-Total B	341.80	341.80	2.68	0.00	0.00
	Net prior period Credit/(Charges) : A-B	718.94	718.94	2.68	0.00	0.00


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

Contributions, Grants and subsidies towards Cost of Capital Assets

Form No: F15

SI No	Particulars	Previous Year		Current Year		Ensuing Year	
		Balance at the beginning of the year	Net Additions during the Year	Balance at the end of the Year	Net Additions during the Year	Balance at the end of the Year	Net Additions during the Year
1	Consumer Contribution Towards Cost Of Capital Assets (Net)	987.38	199.21	1,186.59	99.58	1,286.17	47.02
2	Consumer Contribution towards Metering Systems						
3	Others						
	Sub-Total	987.38	199.21	1,186.59	99.58	1,286.17	47.02
4	Subsidies Towards Cost Of Capital Asset						
5	Grant Towards Cost Of Capital Assets						
6	Others						
	Sub-Total						
	Total	987.38	199.21	1,186.59	99.58	1,286.17	47.02

Purvanchal Vidyut Vitran Nigam Limited
 Director (Comm.)
 Vidyut Nagar D.L.W. Varanasi

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Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

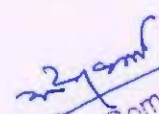
Form No: F17

Statement of Assets Not in Use

Sl. No.	Financial Year* Date of Acquisition/Installation	Historical Cost/Cost of Acquisition	Date of withdrawal operations	Accumulated Depreciation on date of withdrawal	Written down value on date of withdrawal
	NIL				
*Note:- Information to be provided for Previous Year, Current Year & Ensuing Year					

22/07/2017
Director
Purvanchal Vidyut Vitran Nigam Limited
Vidya Nagar D.L.W. Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Current Assets & Liabilities				Form No: F19	
Sl.No	Particulars	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
A	Current Assets, Loans and Advances	The Hon'ble Commission in the True up Order for FY 2008-09 to FY 2011-12 dated 01st October, 2014 had adopted a normative tariff approach towards capital structure. This entailed that regulatory balances towards equity, GFA, accumulated depreciation, loans, etc would be different from financial statements. Hence, Forms S2, S3 and F19 have become infrutuous as they would not match with financial statements. Considering the above, the Licensee seeks waiver from filing the Form Nos S2, S3 and F19.			
	Sundry Debtors				
	Inventories				
	Cash and Bank Balances				
	Loans and Advances				
	Other current assets				
B	Current Liabilities and Provisions				
	Sundry Creditors				
	Provisions				
	Other Current Liabilities				
C	NET CURRENT ASSETS (A - B)				


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited
Capital Investment Plan for FY 2016-17

Additional Form

Particulars	Capital Investment Plan			
	Loans	Equity / Internal Accruals	Deposit Works	Total
Arial Bunch Conductor	30.68	13.15		43.82
Construction of New 33/11kV substation	57.11	24.48		81.59
Capacity enhancement of 33kV Substation	30.97	13.27		44.24
Removal of 11kV system from 220/132kV Substation (by construction of 33kV Substation)	7.79	3.34		11.13
Construction of 33kV link line(Overhead lines & underground Cable)	8.26	3.54		11.81
Replacement of old & damaged 33kV cable with new cable	5.03	2.16		7.19
Installation of 33kV control panel, breaker & CT at 33/11kV Sub station	3.93	1.69		5.62
Construction of 11kV Link line(Over head & underground cable)	11.33	4.86		16.18
Replacement of old & damaged 11kV cable with new cable	4.15	1.78		5.92
Guarding of 33 & 11Kv Line	1.27	0.54		1.81
Capacity enhancement of distribution Transformer	12.67	5.43		18.10
Replacement of Jarjar Tar	17.63	7.55		25.18
Replacement of damaged pole	4.73	2.03		6.75
Erection of new pole between long span	2.36	1.01		3.38
Replacement of wooden cross-arm	0.47	0.20		0.68
Construction of 11/4 kV substation	14.16	6.07		20.23
Double metering of consumers	0.00	0.00		0.00
10 to 50 kVA	1.69	0.73		2.42
50 to 100kVA	0.70	0.30		1.00
100 to 500 kVA	0.26	0.11		0.37
Above 500kVA	0.03	0.01		0.04
Repair of 11kV Switch gear	3.20	1.37		4.57
Construction of Plinth of Distribution Transformer	0.81	0.35		1.15
Fencing of Distribution Transformer	3.02	1.29		4.31
System Augmentation of Distribution Network	388.33	166.43		554.76
Power Transformer	0.43	0.18		0.61
Distribution Transformer	1.74	0.74		2.48
Single Phase Meter	6.30	2.70		9.00
Three Phase Meter	12.58	5.39		17.97
RGVY (Phase- II)	516.73	221.45		738.18
R- APDRP Part A	39.73	17.03		56.75
R- APDRP Part B	159.42	68.32		227.75
Deposit Work	0.00	0.00	325.00	325.00
Total	1347.50	577.50	325.00	2250.00

22/10/16
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited
Capital Investment Plan for FY 2015-16

Additional Form

		Capital Expenditure			
		Loans	Equity / Internal Accruals	Deposit Works	Total
Description	Qty				
Construction of New 33/11 KV Substation & related Lines					
Capacity Enhancement of 33 KV Substations	120Nos.	93.35	40.01		133.35
Strengthening of 33 KV Lines	80KM	26.62	11.41		38.03
Construction of New 33/11 KV Substation	55Nos.	173.65	74.42		248.07
11 KV Works					
Strengthening of 11 KV Lines	120KM	22.96	9.84		32.80
Construction of 11/0.4 KV Substation	2000Nos.	43.01	18.43		61.45
Replacement of 11 KV Switchgear	1200Nos.	17.97	7.70		25.67
Installation of Meters	250000Nos.	67.61	28.97		96.58
Double Metering of Consumers	7050Nos.	15.41	6.60		22.01
Arial Bunch Conductor	1400KM	89.69	38.44		128.12
Electrification of Important Villages/Mazare	350KM	43.68	18.72		62.40
Removal of 33/11kV system from 220/132kV Sub station	15Nos.	43.68	18.72		62.40
Construction of 33kV link line(Overhead lines & underground Cable)	350KM	43.68	18.72		62.40
Construction of 11kV Link line(Over head & underground cable)	2400KM	83.28	35.69		118.97
Strengthening of 33/11 kV Switchyard and Control Room	200Nos.	17.47	7.49		24.96
Installation of 11kV breaker at 33/11kV Sub station	200Nos.	13.31	5.70		19.02
Replacement of Wooden Poles/ Cross Arms	15000Nos.	2.50	1.07		3.57
Replacement of damaged Poles	45000Nos.	37.44	16.05		53.48
Earthing of Transformers	5600Nos.	12.38	5.31		17.69
Metering of Distribution Transformers	2000Nos.	59.65	25.57		85.22
Replacement of Jarjar Tar	7000KM	99.01	42.43		141.44
Plinth & Fencing	3500Nos.	21.13	9.06		30.19
Guarding of Lines	400KM	6.66	2.85		9.51
Civil Works at Substations	134Nos.	21.22	9.09		30.31
Installation of 33kV control panel, breaker & CT at 33/11kV Sub station	125Nos.	20.80	8.91		29.71
R- APDRP Part A	0	36.55	15.67		52.22
R- APDRP Part B	0	159.42	68.32		227.75
Deposit Works	0	0.00	0.00	320.70	320.70
Total		1272.12	545.19	320.70	2138.02

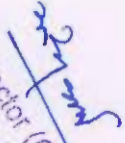
22/4/2015
Director (Comm.)
Purvanchal Vidyut Vitran Nigam Limited
Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited
Capital Formation During FY 2014-15 Additional Form

Detail	Balance 31-Mar-14	Investments	Cap interest	Cap expenses	To GFA	Depreciation	Balance 31-Mar-15
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gross Fixed Assets	6,318.2	1,966.3	684.7			7.84%	7,599.9
Depreciation							545.6
Work in Progress	570.7	4,073.4	218.3	66.8	1,966.3		2,962.8

Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W. Varanasi

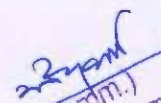
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited							
Capital Formation During FY 2015-16							Additional Form
Detail	Balance 31-Mar-15	Invest-ments	Cap interest	Cap expenses	To GFA	Depreciation	Balance 31-Mar-16
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gross Fixed Assets	7,599.9	2,149.5				7.84%	9,749.4
Depreciation							680.1
Work in Progress	2,962.8	2,138.0	251.0	21.9	2,149.5		3,224.2


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

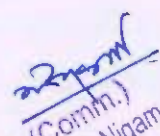
Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited							
Capital Formation During FY 2016-17							Additional Form
Detail	Balance 31-Mar-16	Invest-ments	Cap interest	Cap expenses	To GFA	Depreciation	Balance 31-Mar-17
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gross Fixed Assets	9749.37	2312.14				7.84%	12,061.5
Depreciation							855.0
Work in Progress	3,224.2	2,250.0	84.8	221.3	2,312.1		3,468.2

Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi
 Director (Comm.)
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Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited			
Revenue Assessment, Sales & Through Rate : FY 2015-16			Form No: T3
Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	2,768.39	9,074.08	3.05
(a) Consumer getting supply as per "Rural Schedule"	901.77	6,179.93	1.46
(b) Supply at Single Point for Bulk Loads	0.32	0.01	253.17
(c) Other Metered Domestic Consumers	1,841.73	2,809.76	6.55
(d) Life Line Consumers	24.57	84.37	2.91
LMV-2: Non Domestic Light, Fan & Power	811.23	1,459.28	5.56
(a) Non-Domestic (Rural)	233.64	807.76	2.89
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c) Non-Domestic (Urban Metered)	577.59	651.52	8.87
LMV-3: Public Lamps	2,618.03	3,192.07	8.20
LMV-4: Institutions	419.27	550.17	7.62
(a) Public Institution	356.52	472.57	7.54
(b) Private Institution	62.75	77.60	8.09
LMV-5: Private Tube Wells	181.33	2,046.70	0.89
(a) Rural	144.69	1,982.38	0.73
(b) Urban	36.63	64.32	5.70
LMV 6: Small and Medium Power	474.42	568.74	8.34
LMV-7: Public Water Works	638.87	875.32	7.30
LMV-8: State Tubewells & Pumped Cauals	676.92	1,056.30	6.41
LMV-9: Temporary Supply	19.38	25.50	7.60
LMV-10: Deptt. Empl. & Pensioners	35.89	88.75	4.04
HV-1: Non-Industrial Bulk Load	299.16	365.39	8.19
HV-2: Large & Heavy Power	926.75	1,267.95	7.31
HV-3: Railway Traction	417.23	554.92	7.52
HV-4: Lift Irrigation Works	638.85	897.82	7.12
Sub Total	10,925.72	22,022.97	4.96
Bulk & Extra State	-	0.39	-
Varanasi DisCom	10,925.72	22,023.36	4.96


 Director (Comm.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited			
Revenue Assessment, Sales & Through Rate : FY 2016-17			Form No: T3
Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	3,570.71	11,217.22	3.18
(a) Consumer getting supply as per "Rural Schedule"	1,262.02	7,569.62	1.67
(b) Supply at Single Point for Bulk Loads	0.32	0.01	233.61
(c) Other Metered Domestic Consumers	2,269.74	3,507.84	6.47
(d) Life Line Consumers	38.63	139.75	2.76
LMV-2: Non Domestic Light, Fan & Power	958.38	1,786.64	5.36
(a) Non-Domestic (Rural)	295.29	1,021.29	2.89
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c) Non-Domestic (Urban Metered)	663.08	765.34	8.66
LMV-3: Public Lamps	2,520.40	3,085.47	8.17
LMV-4: Institutions	558.83	723.44	7.72
(a) Public Institution	451.08	634.63	7.11
(b) Private Institution	66.92	88.81	7.54
LMV-5: Private Tube Wells	191.35	2,169.94	0.88
(a) Rural	153.62	2,103.69	0.73
(b) Urban	37.73	66.25	5.70
LMV 6: Small and Medium Power	594.03	742.04	8.01
LMV-7: Public Water Works	683.36	935.86	7.30
LMV-8: State Tubewells & Pumped Canals	700.63	1,089.62	6.43
LMV-9: Temporary Supply	25.01	33.94	7.37
LMV-10: Deptt. Empl. & Pensioners	40.53	119.34	3.40
HV-1: Non-Industrial Bulk Load	348.41	425.24	8.19
HV-2: Large & Heavy Power	992.20	1,356.21	7.32
HV-3: Railway Traction	446.85	594.73	7.51
HV-4: Lift Irrigation Works	725.96	1,021.16	7.11
Sub Total	12,356.66	25,300.84	4.88
Bulk & Extra State	0.17	0.39	4.28
Varanasi DisCom	12,315.99	25,301.24	4.87


 Director (Comn.)
 Purvanchal Vidyut Vitran Nigam Limited
 Vidyut Nagar D.L.W., Varanasi

**ANNUAL REVENUE REQUIREMENT PETITION
FOR FY 2016-17**

ANNEXURE - 2

AUDITED BALANCE SHEET FOR FY 2013-14

22/7/16

PURVANCHAL VIDYUT VITRAN NIGAM LIMITED



BALANCE SHEET

As At

31.03.2014

&

PROFIT & LOSS ACCOUNT

FOR THE PERIOD FROM

01.04.2013

To

31.03.2014

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

CONTENT

Sl. No.	PARTICULARS
1	Balance Sheet
2	Profit & Loss Account
3	Notes (Part A Note 1-19)
4	Significant Accounting Policies (Part -B)
5	Notes on Accounts (Part -C)
6	Cash Flow

PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U.P. Power Corporation Limited)
VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI
BALANCE SHEET AS AT 31ST MARCH, 2014

PARTICULARS		NOTE	31-03-2014	31-03-2013
			(Amount in Rs.)	
(I) EQUITY AND LIABILITIES		Part - A		
1	Shareholder's Funds			
a)	Share Capital	1	308612,16,000	220422,66,000
b)	Reserve & Surplus	2	(1383934,31,557)	(986620,59,173)
2	Share Application Money Pending for Allotment	3	105654,97,810	88189,50,875
3	Non Current Liabilities			
	Borrowings			
i)	Long Term (Secured)	4	118207,53,644	75190,69,023
ii)	Long Term (Unsecured)	4	1106244,10,753	674113,45,807
4	Current Liabilities			
i)	Trade Payables	5	746179,10,533	743663,67,457
ii)	Other Current Liabilities	6	427867,04,266	403432,16,460
TOTAL			1428830,61,449	1218391,56,449
(II) ASSETS				
1	Non - Current Assets			
	Fixed Assets			
i)	Tangible Assets	7	471759,70,589	299162,72,456
ii)	Intangible Assets	7	380,41,000	
iii)	Capital work-in-progress	7	57066,74,501	130380,18,636
2	Current Assets			
a)	Inventories	8	16850,05,808	1493,69,556
b)	Trade Receivables	9	683294,03,210	712370,13,603
c)	Cash and Cash Equivalent	10	94753,03,953	64932,32,098
d)	Other Current Assets	11	104726,62,388	10052,50,100
TOTAL			1428830,61,449	1218391,56,449

ACCOUNTING POLICIES

Part - B

OTHER NOTES ON ACCOUNTS

Part - C

Notes from Part A to Part C form integral part of Accounts.
For and on behalf of Board of Directors of
Purvanchal Vidyut Vitran Nigam Limited

Company Secretary
(In Part Time)

Dy. General Manager
(Accounts & Finance)

Director (Finance)

Managing Director

Signed in terms of our report of even date.

For ARSAN & Co.
(Firm Registration No. 005218C)
Chartered Accountants

CA SWADHIN KUMAR MISHRA
(Membership No. 402389)
Partner

Place: Varanasi

Date: 06/05/2015

PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U.P. Power Corporation Limited)
VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI
STATEMENT OF PROFIT & LOSS FOR THE YEAR ENDED 31st MARCH, 2014

PARTICULARS	NOTE	31-03-2014	31-03-2013
Part - A			
A REVENUE FROM OPERATIONS			
1 Sale of Power	12	520429,80,954	419083,64,722
Add: Energy Internally Consumed		3059,08,250	2613,37,730
		523488,89,204	421697,02,452
Less: Electricity Duty		27423,75,538	16245,78,526
		496065,13,666	406451,23,926
2 Other Income	13	199730,63,264	106990,68,700
3 TOTAL (1+2):		695795,76,930	513441,92,826
4 Expense:			
(a) Cost of Power Purchased	14	819488,75,159	606715,58,640
(b) Employee's Benefits Expenses	15	24260,91,130	31372,78,151
(c) Finance Costs	16	126828,58,551	81601,86,081
(d) Depreciation and Amortization Expenses	17	21298,80,338	13155,08,042
(e) Other Expenses	18	41486,47,893	38997,55,719
TOTAL EXPENSES		1033363,53,071	771842,86,633
5 Profit before exceptional and extraordinary items and tax (3 - 4)		(337567,76,141)	(258400,94,007)
6 Exceptional Items			
7 Profit/(Loss) before extraordinary items and tax (5 - 6)		(337567,76,141)	(258400,94,007)
8 Extraordinary Items - Prior Period Items	19	(71893,89,787)	5116,70,983
9 Profit/(Loss) before tax (7 - 8)		(409461,65,928)	(253284,23,024)
10 Tax expense:			
11 Profit/(Loss) for the period from continuing operations (9-10)		(409461,65,928)	(253284,23,024)
B DISCONTINUING OPERATIONS			
12 (i) Profit/(loss) from discontinuing operations			
(ii) Gain/(Loss) on disposal of assets			
(iii) Add/(Loss): Tax expenses of discontinuing opt			
13 Profit/(loss) from Discontinuing operations (after tax)			
C TOTAL OPERATIONS			
14 Profit (Loss) for the year (XI + XIV)		(409461,65,928)	(253284,23,024)
15 Earnings per equity share:			
(1) Basic		(1,327)	(1,149)
(2) Diluted		(988)	(869)

Notes from Part A to Part C form integral part of Accounts.
For and on behalf of Board of Directors of
Purvanchal Vidyut Vitran Nigam Limited.

Company Secretary
(In Part Time)

Dy. General Manager
(Accounts & Finance)

Director (Finance)

Managing Director

Signed in terms of our report of even date.

For ARSAN & Co.
(Firm Registration No. 0052140)
Chartered Accountants

CA SWADHIN KUMAR MISHRA
(Membership No. 402389)
Partner

Place: Varanasi

Date: 06/05/2015

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

(Amount in Rs.)

PARTICULARS	31-03-2014	31-03-2013
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NOTE

PART - A : NOTE - 1

SHARE CAPITAL

1 Authorized		
50,000,000 Equity Shares of Rs. 1,000 each	500000,00,000	500000,00,000
(Previous year 50,000,000 equity shares of Rs. 1,000 each)		
2 Issued, Subscribed and Paid Up		
30861216 Equity Shares of Rs. 1,000/- each fully paid up	308612,16,000	220422,66,000
(Previous year 22042266 equity shares of Rs. 1,000 each)		
Total Issued, Subscribed and Fully Paid up Share Capital	308612,16,000	220422,66,000

a) Reconciliation of Shares outstanding at the beginning and at the end of the reporting period

Equity Shares	31.03.2014		31.03.2013	
	No. of Shares	Amount (Rs.)	No. of Shares	Amount (Rs.)
At the beginning of the period	220,42,266	220422,66,000	48,07,532	48075,32,000
Issued during the period	88,18,950	88189,50,000	174,34,734	174347,34,000
Total at the end of the period	308,61,216	308612,16,000	220,42,266	220422,66,000

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.

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:-

	31.03.2014		31.03.2013	
	No. of Shares	Amount (Rs.)	No. of Shares	Amount (Rs.)
U. P. Power Corporation Limited	308,60,716	308607,16,000	220,41,766	220417,66,000
30,860,716 Equity Shares (Prevl. year 22,041,766 equity shares) of Rs. 1,000 each fully paid up				
Total:	308,60,716	308607,16,000	220,41,766	220417,66,000

Notes

- Out of 30861216 Equity shares (Previous year : 22042266 equity shares) 11,51,500 equity shares (Previous year : 11,31,500 equity shares) allotted to holding company i.e. UPPCL for consideration other than cash pursuant to Discum Transfer Scheme.
- Out of 30861216 Equity shares (Previous year : 22042266 equity shares) 26709216 equity shares (Previous year : 20890266 equity shares) allotted to holding company and fully paid against consideration of cash to UPPCL.
- Out of 30861216 Equity shares (Previous year : 22042266 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.

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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

PARTICULARS	31-03-2014	31-03-2013
PART - A : NOTE - 2		

RESERVE & SURPLUS

(A) Capital Reserve

**i) Consumers Contribution Towards
Service Line and Other Charges**

Opening Balance	84513,97,056	78505,66,106
Add: Additions during the year	18141,50,645	14108,53,017
Less: Deductions/Adjustments	4979,95,355	6100,22,067
Closing Balance	<u>97675,52,346</u>	<u>84513,97,056</u>

ii) Subsidies Towards Cost of Capital Assets

Opening Balance	14224,13,356	16067,57,096
Add: Additions during the year	-	82,28,000
Less: Deductions/Adjustments	1013,81,746	1925,71,740
Closing Balance	<u>13210,31,610</u>	<u>14224,13,356</u>

Total Capital Reserve (i+ii)

<u>110886,03,956</u>	<u>98738,10,412</u>
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(B) Other Reserve

i) Restructuring Reserve

Opening Balance	16217,83,787	16217,83,787
Add: Additions during the year	-	-
Total	<u>16217,83,787</u>	<u>16217,83,787</u>

(C) Profit & Loss Account : Surplus (Deficit)

Opening Balance brought forward	(1101576,53,372)	(848292,30,348)
Add: Net Profit / (Loss) for the Year	(409461,65,928)	(253284,23,024)
Total	<u>(1511038,19,300)</u>	<u>(1101576,53,371.74)</u>

GRAND TOTAL (A+B+C)

<u>(1383934,31,557)</u>	<u>(986620,59,178)</u>
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PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U. P. Power Corporation Limited)
VIDYUT NAGAR, BHUKHARIPUR, D.L.W. VARANASI

PARTICULARS	31-03-2014	31-03-2013
PART - A : NOTE - 3		

SHARE APPLICATION MONEY

(Pending for Allotment)		
Opening Balance	88189,50,875	238908,36,089
Add: Additions during the year	105654,98,935	23628,48,786
Less: Deductions/Adjustments	88189,50,000	174347,34,000
	105654,97,810	88189,50,875

PART - A : NOTE - 4

BORROWINGS

a) Long Term (Secured)				
Rural Electrification Corporation Ltd.	86136,82,957		72944,35,800	
Add: New Borrowings during the year	89724,10,340		43674,99,000	
Add: Interest Accrued & Due				
Less: Repay during the year	55008,72,914	120852,00,383	30482,71,843	86136,82,957
(Secured against hypothecation of Store Material and 33/11 Substation)				
Less: Current Maturity of Long Term Borrowings (Secured)		2644,46,739		10945,93,934
		TOTAL	118207,53,644	75190,69,023
b) Long Term (Unsecured)				
i) Government of Uttar Pradesh				
Loan - Opening Balance	5541,39,000		5541,39,000	
Add: Interest Accrued & Due				
Less: Repay during the year	5155,39,000	375,00,000		5541,39,000
ii) Power Finance Corporation Limited				
Loan - Opening Balance	100925,68,533		56799,83,069	
Add: New Borrowings during the year	37808,27,787		45723,00,000	
Add: Interest Accrued & Due				
Less: Repay during the year	31108,71,271	107625,25,049	1597,14,536	100925,68,533
iii) H.U.D.C.O.				
Loan - Opening Balance	32095,94,652		28376,33,486	
Add: Borrow during the year	9,086		9478,00,914	
Add: Interest Accrued & Due				
Less: Repay during the year	7680,47,896	24415,55,842	5758,39,748	32095,94,652
iv) Financial Participation by Consumers				
Loan - Opening Balance	203,20,230		203,20,230	
Add: Borrow during the year				
Add: Interest Accrued & Due				
Less: Repay during the year		203,20,230		203,20,230
v) Commercial Banks				
Loan - Opening Balance	538437,86,437			
Add: New Borrowings during the year	243108,44,349		538437,86,437	
Add: Interest Accrued & Due				
Less: Repay during the year	203541,56,547	578004,74,139		538437,86,437

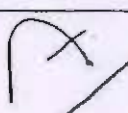
PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U. P. Power Corporation Limited)
VIDYUT NAGAR, BHIKHARIPUR, O.L.W. VARANASI

PARTICULARS		31-03-2014	31-03-2013
vi) NOIDA			
Loan - Opening Balance	4024,60,000	-	-
Add: New Borrowings during the year	5311,75,000	4024,60,000	-
Add: Interest Accrued & Due	-	-	-
Less : Repay during the year	4024,60,000	5311,75,000	4024,60,000
vii) Mandi Parishad			
Loan - Opening Balance	2012,30,000	-	-
Add: New Borrowings during the year	5049,40,000	2012,30,000	-
Add: Interest Accrued & Due	-	-	-
Less : Repay during the year	7061,70,000	-	2012,30,000
viii) Public Bonds			
Loan - Opening Balance	-	-	-
Add: New Borrowings during the year	399164,66,386	-	-
Add: Interest Accrued & Due	-	-	-
Less : Repay during the year	-	399164,66,386	-
TOTAL	1116100,16,646	883240,98,852	
Less : Current Maturity of Long Term Borrowings (Unsecured)	9856,05,893	9127,53,045	
TOTAL	1106244,10,753	674113,45,807	
GRAND TOTAL	1224451,84,397	749304,14,830	
PART - A : NOTE - 5			

TRADE PAYABLES

1) Liability for Purchase of Power	690801,38,135	682910,78,012
2) Liability for Wheeling Charges	55377,72,398	60752,89,445
	746179,10,533	743663,67,457



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

(Amount in Rs.)

PARTICULARS	31-03-2014	31-03-2013
PART - A : NOTE - 6		
OTHER CURRENT LIABILITIES		
1) Liability for Capital Supplies/Works	111834,19,217	82653,05,847
2) Staff Related Liabilities	54875,59,251	31094,93,448
3) Deposits & Retentions from Suppliers & Other	8475,95,035	4852,01,009
4) Electricity Duty & Other Levies Payable to Govt.	26990,59,802	17130,07,058
5) Deposits for Electrification Works	6596,91,468	7620,24,059
6) Sundry Liabilities	30618,52,078	30270,49,791
7) Provident Fund Liabilities	14692,81,815	49076,77,758
Pension and Gratuity Liabilities	5604,64,561	20297,46,377
8) CPF Liability	531,85,301	15904,34,835
9) Security Deposits from Consumers	43288,52,491	40654,98,844
Interest on Security Deposits from Consumer	15213,52,076	11262,38,454
10) Payable to UPPCL		90650,31,883
11) Payable to Madhyanchal VVNL	10832,38,068	11190,56,785
12) Payable to Dakshinanchal VVNL	2023,38,044	2614,48,550
13) Payable to U.P.P.T.C.L.		41,29,889
14) Liabilities for Expenses	2682,26,494	2583,33,675
15) Interest Accrued but not Due	23379,62,059	2995,07,001
16) Inter Unit Transaction	55925,93,875	(17833,91,102)
17) Current Maturity of Long Term Borrowings (Secured)	2844,48,739	10945,93,934
18) Current Maturity of Long Term Borrowings (Unsecured)	9856,05,893	9127,53,045
	<u>427867,04,268</u>	<u>403432,16,460</u>

PART - A : NOTE - 7

FIXED ASSETS

1) Tangible Assets	471759,70,589	299162,72,456
(As per Annexure 1 of Note 7)		
2) Intangible Assets (Asset with UPTCL)	380,41,000	
3) Capital work-in-progress	57066,74,501	130380,18,636
(As per Annexure 2 of Note 7)		
	<u>529206,86,090</u>	<u>429542,91,092</u>

PART - A : NOTE - 8

INVENTORIES

Store & Spares

1) Stock of Materials	12473,29,844	1005,40,645
2) Other Materials	8953,75,964	5065,28,911
3) Less: Provision for Unserviceable Stores	4577,00,000	16850,05,808
	<u>16850,05,808</u>	<u>1493,69,556</u>

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

(Amount in Rs.)

PARTICULARS	31-03-2014	31-03-2013
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PART - A : NOTE - 9

TRADE RECEIVABLES

1) Secured and Considered Good	58502,04,587	52127,37,308	-
2) Unsecured and Considered Good	624791,98,643	660242,76,295	-
3) Unsecured and Considered Doubtful	251897,30,081	935191,33,291	253427,62,207
		-	965797,75,810
4) Less : Provision for Bad & Doubtful Debts	251897,30,081		253427,62,207
	<u>683294,03,210</u>		<u>712370,13,603</u>

PART - A : NOTE - 10

CASH AND CASH EQUIVALENT

Cash and Cash Equivalents

I. a) Cash In Hand	9958,45,115	12556,50,204
b) Balances in Current and other Accounts	84771,38,747	44374,75,389
c) Fixed Deposits with Scheduled Banks (Original Maturity upto three months)	23,20,091	8001,06,505
II Other Balances		
Fixed Deposits with Scheduled Banks (Original Maturity more than three months)	-	-
	<u>94753,03,953</u>	<u>64932,32,098</u>

PART - A : NOTE - 11

OTHER CURRENT ASSETS

1) Receivable from KESCO	478,80,967	201,06,958
2) Receivable from Pashimanchal VVNL	258,90,971	436,25,000
3) Prepaid Expenses	3,64,248	7,17,873
4) Receivable from Employees	5188,69,788	3970,10,560
5) Receivable from UPPCL	35223,94,856	-
6) Receivable from UPPTCL	96,60,193	-
6) Receivable from GoUP	57674,99,427	-
7) Others Receivables	5801,01,936	5437,89,909
	<u>104726,62,388</u>	<u>10052,50,100</u>

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

(Amount in Rs.)

PARTICULARS	31-03-2014	31-03-2013
PART - A : NOTE - 12		
REVENUE FROM OPERATIONS		
Sale of Power		
Large Supply Consumers		
Industrial	92904,47,819	72136,78,317
Traction	30768,55,329	23721,80,000
Irrigation	23802,71,254	21524,02,854
Public Water Works	24667,94,260	172143,68,662
	<u>19946,30,858</u>	<u>137328,92,029</u>
Small & Other Consumers		
Domestic	126162,14,218	114368,04,393
Commercial	84611,83,899	74450,11,087
Industrial Low & Medium Voltage	32903,42,507	27743,47,057
Public Lighting	8302,46,811	8286,30,364
STW & Pump Canals	43894,26,179	31143,86,474
PTW & Sewage Pumping	12104,59,898	308068,73,512
	<u>11549,49,115</u>	<u>267541,28,490</u>
Other Miscellaneous Charges	15852,71,492	1581,03,407
	<u>496065,13,666</u>	<u>406451,23,926</u>
Less: Internally Energy Consumed	3059,08,250	2813,37,730
	<u>493006,05,416</u>	<u>403837,86,196</u>
Add: Electricity Duty	27423,75,538	15245,78,526
TOTAL	<u>520429,80,954</u>	<u>419083,64,722</u>

PART - A : NOTE - 13

OTHER INCOME

Subsidies Received

From Government of Uttar Pradesh

Rural Electrification Subsidy	5662,00,000	8582,00,000
Revenue and Tariff Subsidy	185001,74,723	91390,00,000
Subsidies for Interest on Bonds	18385,32,452	189139,07,175
	<u>99972,00,000</u>	

Others

Interest on Loans to staff	15,490	42,725
Interest on Fixed Deposit	1745,18,710	1745,32,200
Delayed Payment Charges		1329,49,669
Income from Contractor & Suppliers		1329,92,394
Rental from Staff		5291,63,886
Miscellaneous Receipts		304,77,289
Excess Found on physical Verification of Stores		89,003
		1,07,447
		20,24,192
		90,36,435
		1,87,440
		91,249
TOTAL	<u>199730,63,264</u>	<u>106990,68,700</u>

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

(Amount in Rs.)

PARTICULARS	31-03-2014	31-03-2013
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PART - A : NOTE - 14

COST OF POWER PURCHASED

1) Purchases from Holding Company - U.P. Power Corporation Ltd.	796634,72,579	578816,93,100
2) Transmission Charges	22854,02,580	27898,55,540
Total Power Purchased	819488,75,159	606715,58,640

PART - A : NOTE - 15

EMPLOYEE'S BENEFITS EXPENSES

Salaries & Allowances	19685,47,604	18800,29,160
Dearness Allowance	15139,55,803	12383,08,789
Other Allowances	1579,89,318	1587,39,259
Bonus / Ex-Gratis	289,66,244	145,26,407
Re-imbursment of Medical Expenses	244,12,551	301,84,834
Leave Travel Assistance	9,789	-
Earned Leave Encashment	2495,86,935	1446,87,704
Compensation	38,01,800	31,21,480
Uniform Expenses	56,09,639	60,93,491
Recreation Expenses	1,60,000	96,275
Staff Welfare Expenses	56,531	59,140
Pension & Gratuity	5748,21,999	5384,92,179
Other Terminal Benefits	49,45,339	26,21,452
Employers Contribution to Provident Fund	793,56,064	590,31,840
	46123,19,616	40739,91,810
Less: Expenses Capitalized	21862,28,486	9367,13,659
	24260,91,130	31372,78,151

PART - A : NOTE - 16

FINANCE COSTS

<u>Interest paid to:</u>			
Government of Uttar Pradesh	637,07,429	1542,18,387	
Interest of Bonds	18385,32,452		
Power Finance Corporation Limited	13124,49,013	3596,52,925	
Rural Electrical Corporation Limited	14091,77,827	10762,08,507	
Interest on Working Capital Loan	73579,71,773	67299,03,693	
Housing & Urban Development Corporation	3092,27,315	123810,65,909	87003,92,364
Interest to Consumers	3473,52,402		1040,67,080
Interest of GPF	1038,34,861		
Bank Charges	6,41,403		6,80,235
	128328,94,475		88051,39,679
Less : Interest Capitalised	1500,35,924		6449,53,598
	126828,58,551		81601,86,081

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

(Amount in Rs.)

PARTICULARS	31-03-2014	31-03-2013
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PART - A : NOTE - 17

DEPRECIATION AND AMORTIZATION EXPENSES

Depreciation				
Buildings	81,60,032		69,22,813	
Plant & Machinery	17298,82,425		13182,63,333	
Lines, Cable Network etc	9887,38,166		5206,90,827	
Vehicles	77,554		77,549	
Furniture & Fixtures	1,88,785		1,36,949	
Office Equipments	21,85,477	27292,37,439	13,67,524	18474,58,795
Less - Equivalent amount of depreciation on assets acquired out of the Consumer's contribution & Government of Uttar Pradesh Subsidy		5993,67,101		5319,50,753
		21298,60,338		13155,08,042

PART - A : NOTE - 18

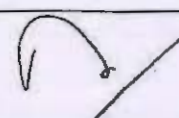
OTHER EXPENSES

a) ADMINISTRATIVE EXPENSES				
Rent	107,56,409		78,88,320	
Rates and Taxes	771			
Insurance	36,58,486		24,51,358	
Communication Charges	180,46,717		165,96,579	
Legal Charges	168,99,275		114,04,512	
Auditors Remuneration Exps.				
Audit Fee	2715640	16,37,592		
Travelling Expenses	129588	4,78,299	21,15,891	
Consultancy Charges	11,20,564		15,000	
Travelling and Conveyance	312,13,484		282,87,759	
Fees & Subscription	194,45,390		137,15,777	
Printing and Stationery	422,01,106		406,26,405	
Advertisement Expenses	179,45,238		190,59,752	
Electricity Charges	3059,08,250		2613,37,730	
Miscellaneous Expenses	5903,01,382		1327,61,157	
Compensation (Other than staff)	39,68,008		271,60,323	
Expenditure on Trust	77,98,434		75,45,495	
Expenses Incurred for revenue Realisation	1303,17,348		1259,25,873	
	12022,24,088		5968,91,729	
Less - Expenses Capitalized	2080,53,765	9941,70,323	1159,86,375	5809,05,354
Provision for Bad & Doubtful debts		(1530,32,126)		5539,33,456
SUB TOTAL		8411,38,197		12348,38,810
b) REPAIRS AND MAINTENANCE				
Plant & Machinery		10879,08,623		9727,28,691
Buildings		4083,18,251		3985,09,992
Lines Cables net work etc.		18055,51,872		12821,04,882
Civil Work		51,43,974		22,44,298
Vehicles - Expenditure	631,03,813		487,44,365	
Less - Transfer to different Capital & O&M Work	631,03,813		487,44,365	
Furniture & Fixtures				2,51,845
Office Equipments		5,86,976		90,77,201
SUB TOTAL		33075,08,696		25649,16,909
TOTAL		41486,47,893		38997,55,719

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

PARTICULARS	31-03-2014	31-03-2013
PART - A : NOTE - 19		
<u>PRIOR PERIOD ITEMS</u>		
<u>Prior Period Income</u>		
Interest Income for Prior Periods	197,13,385	213,28,919
Excess Provision for Depreciation	-	2706,43,055
Excess Provision for Interest	-	2495,03,375
Receipts from Consumers relating to Prior Periods	(37911,19,000)	-
	<u>(37714,05,614)</u>	<u>5414,75,349</u>
<u>Prior Period Expenditure</u>		
Employee Cost - Arrear of Pay & Allowances	60,25,615	49,85,391
Depreciation Underprovided in Previous Years	27805,25,571	78,311
Interest and Other Finance Charges	6288,54,685	127,50,854
Administration Expenses Previous Year	25,68,302	118,90,000
	<u>34179,84,173</u>	<u>298,04,366</u>
NET BALANCE	<u>(71893,89,787)</u>	<u>5118,70,983</u>



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

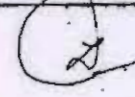
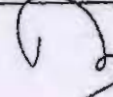
Annexure 1 of Note - 7

FIXED ASSETS

(Amount in Rs)

PARTICULARS	GROSS BLOCK			AS AT 31-3-2014	DEPRECIATION			AS AT 31-3-2014	NET BLOCK	
	AS AT 01-04-2013	ADDITIONS	DEDUCTIONS		AS AT 01-04-2013	ADDITIONS	DEDUCTIONS		AS AT 31-3-2014	AS AT 31-03-2013
Buildings	5011,67,624	219,20,655		5230,88,279	243,65,226	81,89,032	-	325,34,260	4905,54,019	4768,02,398
Plant & Machinery	105986,48,756	166913,12,936	60617,14,304	214282,47,388	(65017,44,484)	22211,66,537	-	(42805,77,847)	257088,25,235	171003,93,240
Lines, Cable Network etc	126879,54,541	98526,96,606	967,46,582	224439,04,565	15439,01,682	23866,30,524	753,72,124	38551,80,082	185887,44,483	111440,52,859
Vehicles	8,16,355			8,16,355	3,57,593	77,554	-	4,35,147	3,81,208	4,58,762
Furnitures & Fixtures	29,50,784		-	29,50,784	5,85,520	1,86,785	-	7,72,305	21,78,479	23,65,264
Office Equipments	134,82,279	47,47,077	-	182,29,356	33,50,298	21,85,477	-	55,35,775	126,93,581	101,31,981
TOTAL	238050,20,339	267706,77,274	61584,60,886	444172,36,727	(49291,84,163)	46184,16,009	753,72,124	(3861,40,278)	448033,77,005	287342,04,502
Balance as per Transfer Scheme	187652,00,000		-	187652,00,000	175831,32,046	8913,47,000	20818,72,630	163926,06,416	23725,93,584	11820,87,954
GRAND TOTAL	425702,20,339	267706,77,274	61584,60,886	631824,36,727	126539,47,883	55097,63,009	21572,44,754	160064,86,138	471758,70,589	299162,72,456
Balance as per Previous year	391609,40,677	77922,26,909	43729,47,247	425702,20,339	123016,41,164	18475,37,102	14961,30,383	126539,47,883	299162,72,456	268492,99,613





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

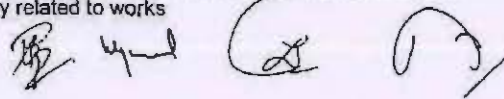
Annexure 2 of Note - 7

CAPITAL WORKS IN PROGRESS

PARTICULARS	(Amount in Rs.)	
	31-03-2014	31-03-2013
Capital Work in Progress (See Note 1)	16573,41,410	34413,15,098
Revenue Expenses Pending for Capitalisation (See Note 2)		
Upto previous year	6449,53,598	328,38,866
Additions during the year	1500,35,924	6449,53,598
Less - Transfer to Fixed Asset	7949,89,522	0.00
		328,38,866
SUB TOTAL (A)	16573,41,410	40862,68,696
Advances to Suppliers / Contractors	40493,33,091	89517,49,940
SUB TOTAL (B)	40493,33,091	89517,49,940
TOTAL (A)+(B)	57066,74,501	130380,18,636

Notes:

- 1 It includes Establishment and Administration & General Cost Related to works
- 2 It includes Borrowing Cost only related to works







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

PART - B : SIGNIFICANT ACCOUNTING POLICIES

1. BASIS FOR PREPARATION OF FINANCIAL STATEMENTS

- (a) The financial statements are prepared in accordance with historical cost convention on accrual basis in accordance with Generally Accepted Accounting Principles (GAAP) and Accounting Standards notified by the Companies (Accounting Standard) Rules, 2006 and the relevant provisions of the Companies Act, 1956. However, where there is a deviation from the provisions of the Companies Act 1956 in preparation of these accounts, the corresponding provisions of Electricity (Supply) (Annual Account) Rules, 1985 have been adopted.
- (b) The preparation of Financial Statements requires the Management to make estimates and assumptions considered in the reported amount of assets, liabilities (including contingent liabilities), revenue and expenses of the reporting period. The difference between the actual results and the estimates are recognized in the period in which the results are known and /or materialized.
- (c) Subsidy/Grants/Assistance etc. are accounted for on cash/adjustment basis as per allocation of funds to DISCOM made by the holding Company i.e. U. P. Power Corporation Limited. Interest on loans to staff is accounted for on receipt basis after the recovery of principal in full. Insurance and other claims, refunds of custom duty etc are account for on cash/adjustment basis.

2. RECOGNITION OF INCOME / EXPENDITURE

Income and expenses except as stated below are accounted for on accrual basis :-

- (i) Late payment surcharge recoverable from consumer on energy bills is accounted for on cash basis due to uncertainty of realization.
- (ii) The sale of electricity does not include electricity duty payable to the State Government as the same is not the income of the Nigam.



- (iii) Assessment of own energy consumption is done on the basis of connected load/hours of supply/meters.
- (iv) Sale of energy is accounted for based on tariff rates approved by U.P. Electricity Regulatory Commission.
- (v) In case of detection of theft of energy, the consumer is billed on laid down norms irrespective of actual realization from the consumer.
- (vi) Penal interest, overdue interest, commitment charges and incentive /rebates on loans are accounted for on cash basis after final ascertainment.
- (vii) All prior period income and expenditure are shown in current period as a distinct item.
- (viii) Provisions are made for all expenses and incomes as per their nature.

3. FIXED ASSETS

- (a) Fixed Assets are shown at historical cost less accumulated depreciation, except for the assets retired from the active use and held for disposal, which are stated at lower of the book value or net realizable value.
- (b) Fixed Assets at the inception of the Nigam are shown at the values received by its holding company as per Provisional Transfer Scheme, 2003 vide dated 12-08-2003.
- (c) All costs relating to the acquisition and installation of fixed assets till the date of commissioning are capitalized.
- (d) 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.
- (e) 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.
- (f) Due to multiplicity of functional units as well as multiplicity of function at particular unit, employees cost and general & administration expenses are

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capitalized @ 15% on distribution and deposit works, 11% on other works on the amount of total expenditure.

- (g) Borrowing cost during construction stage of capital assets are allocated to the capital work in progress for the year. The determination of amount of borrowing cost attributable to capital works are capitalized as given in the Electricity (Supply) (Annual Account) Rules, 1985.

4. DEPRECIATION

- (a) Depreciation on fixed assets is provided on straight line method in accordance with the rates prescribed in Schedule XIV of the Companies Act, 1956.
- (b) Depreciation on value of additions to / deductions from Fixed Assets during the year is charged on pro rata basis.

5. STORES & SPARES

- (a) Stores & Spares are valued at cost.
- (b) Steel scrap is valued at realizable value and scraps other than steel are accounted for in the accounts as and when sold.
- (c) Any shortage/excess of material found during the year end is shown as "material short/excess pending investigation" till the finalization of investigation.
- (d) Necessary and appropriate provision is made on the basis of best possible estimates in respect of unserviceable stores.

6. POWER PURCHASES

The bulk purchase of power is made available by the holding company (U. P. Power Corporation Limited) and Power Purchase is accounted for on the basis of bills raised by the holding company i.e. U. P. Power Corporation Limited and the wheeling charges for this is accounted for on the basis of adjustment advice sent by UPPCL in respect of bills raised by the Uttar Pradesh Power Transmission Corporation Limited.

7. EMPLOYEES BENEFITS

- (a) Contribution paid / payable during the financial year towards Provident Fund, Pension, Gratuity etc. in respect of employees is determined on

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the basis of actuarial valuation and is charged to Statement of Profit & Loss in accordance with accrual basis.

- (b) Leave encashment and medical benefits and LTC are accounted for on the basis of claims received and approved during the year.

8. PROVISIONS AND CONTINGENT LIABILITIES

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

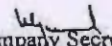
9. DEFERRED TAX LIABILITY

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.

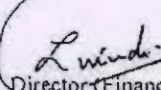
10. CASH FLOW STATEMENT

Cash Flow Statement is prepared in accordance with the indirect method prescribed in Accounting Standard – 3 on Cash Flow Statement.

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


Company Secretary
(In Part Time)


Dy. General Manager
(Accounts & Finance)


Director (Finance)


Managing Director

Signed in terms of our report of even date.

For ARSAN & Co.
(Firm Registration No. 005216C)
Chartered Accountants

CA SWADHIN KUMAR MISHRA
(Membership No. 402389)
Partner

Place :- Varanasi
Date :- 06/05/2015



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

PART - C : NOTES ON ACCOUNTS

Annexed to and forming part of balance sheet as at 31-03-2014 and Statement of Profit and Loss for the period ended on that date.

1. The Nigam is a wholly owned subsidiary of U.P. Power Corporation Limited, Lucknow which owned by the State Government of Uttar Pradesh and engaged in the business of trading (purchase and sale) of electricity.
2. The Nigam 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.
3. The annual accounts for the year 2013-14 are based on the balances of assets and liabilities transferred as per Provisional Transfer Scheme, 2003. The transaction pertaining to distribution business during the reporting period 2013-14 has been accounted for in the books of account of Purvanchal Vidyut Vitran Nigam Limited (PuVVNL). The final transfer scheme is yet to be issued by Government of Uttar Pradesh. The opening balances of 12-08-2003 will be adjusted accordingly after the issue of final transfer scheme.
4. The Share Capital includes the shares allotted to subscribers of Memorandum and Articles of Association being the key person of the Nigam in their personal names at that time which is transferred from time to time in the name of new key person as and when the new key person takes the charge of Nigam after transfer / retirement of the previous one..
5. (i) The energy is being purchased as bulk supply from the holding company i.e. U.P. Power Corporation Limited.
(ii) According to approval by the Board of Directors, UPPCL in meeting No. 110 dated 18.11.2014 and communicated by Corporation vide letter no. 2642- कार्य-14/पाकालि/14-159/14-म0प्र0 (पित्त) दिनांक 01.12.2014 due to implementation of F.R.P., the rate of power purchase for the Financial Year 2012-13 has been recalculated as Rs. 4.0084877/kwh instead of Rs. 3.61/kwh by the Holding Company i.e. UPPCL.

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Resultantly, difference amounting to Rs. 6389237388.00 of power purchase cost for the Financial Year 2012-13 has been taken into accounts during the Financial Year 2013-14.

6. The liability for GPF, Pension and Gratuity during the period is discharged to U.P. State Power Sector Employees Trust by the Purvanchal Vidyut Vitran Nigam Limited and the liabilities of Contribution to Provident Fund are discharged to CPF Trust.
7. Depreciation has been provided on Straight Line Method basis on the opening balance of fixed assets as was on the beginning of the year at the rates prescribed in the Schedule XIV of the companies Act, 1956.
8. The Provision for bad & doubtful debts against revenue from sale of power has been made @ 5% on the incremental basis of trade receivables over the previous year.
9. The loan taken by Purvanchal Vidyut Vitran Nigam Limited during the financial year 2013-14 amounting to Rs 781164.73 lacs out of which Rs. 19625.30 lacs directly and Rs. 761539.43 lacs by Holding Company i.e. UPPCL on behalf of PuVVNL as per details given below:-

Sl.No.	Particulars	PuVVNL	UPPCL	Total
1	REC	16836.31	72887.79	89724.10
2	PFC	2788.99	35017.29	37806.28
3	HUDCO	0.00	0.10	0.10
4	BOND	0.00	399164.66	399164.66
5	WORKING CAPITAL LOAN	0.00	254469.59	254469.59
	Total	19625.30	761539.43	781164.73

10. 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 on Account) and records for the purpose.
11. 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 and the Holding Company has further authorized to these 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.
12. Liability towards Medical Expenses and Leave Travel Concession has been provided to the extent established. *Rm* *at* *in*



13. Based on actuarial valuation report submitted by M/s. Price Waterhouse Coopers to the Holding Company i.e. U.P. Power Corporation Limited, the provision for accrued liability on account of Pension Fund has been made @ 16.70% and for Gratuity has been made @ 2.38% for the current period on the amount of basic Pay and DA paid / payable to employees.
14. Amount due to SSI units could not be ascertained and interest there on could not be provided for want of complete information. Efforts are being made to segregate this information.
15. Related party disclosures as per AS - 18 are as under:

Sl. No.	Name of the key managerial Personal	Period
1.	Shri Sanjeev Mittal, (IAS) Chairman & MD	01-04-2013 to 17-05-2013
2.	Shri Sanjay Agrawal, (IAS) Chairman & MD	17-05-2013 to 31-03-2014
3.	Shri Alok Kumar-III, (IAS) MD	01-04-2013 to 07-09-2013
4.	Shri A.P. Mishra, MD	07-09-2013 to 31-03-2014
5.	Shri Kamran Rizavi, MD (Transco)	11.06.2013 to 31.03.2014
6.	Shri S.K. Agrawal, Director (Part Time)	01-04-2013 to 31-03-2014
7.	Shri Sudhanshu Dwivedi, Director (F)	01-04-2013 to 31-03-2014
8.	Shri M.L. Sharma, Director (T)	01-04-2013 to 31-03-2014

Employees cost includes managerial remuneration (MD) is as under:-

	2013-14 (Rs. in lacs)	2012-13 (Rs in lacs)
Salary and Allowance	45.95	27.02
Contribution to P.F./Grant/Pension	7.77	4.86

In addition to above perquisites, the Managing and other Directors have been allowed to use Company's vehicle (car) including private journey without any ceiling of kilometers at a payment of Rs.500 per month.

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16. Debts due from Directors were Rs. Nil
17. Payments to Directors and Officers in foreign currency towards foreign tours were Nil
18. Information pursuant to provision of Para II of Schedule VI of Companies Act, 1956 are as under:-

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

SL. NO.	DESCRIPTION	2013-2014 MILLOIN UNITS	2012-2013 MILLION UNITS
1.	Total number of units purchased	16928.91	16033.710
2.	Total number of units sold	12742.52	11919.917
3.	Distribution Losses	24.73 %	25.66 %

(b) Contingent Assets and Liabilities as reported by Statutory Auditors in their Audit Report are given in supplements schedule No. 2.

19. Capitalisation of Interest on borrowed fund utilized during construction stage of Capital Assets has been done by identifying the Schemes/Assets and the funds used for the purpose to the extent established.
20. Since the Nigam is principally engaged in the business of purchase and sale of Electricity and there is no other source of income as per segment reporting vide AS-17 therefore the segment reporting and disclosure as per Accounting Standard(AS) - 17 is not required.
21. The company is a state owned enterprises hence the disclosure as required as per AS-18 issued by ICAI on related parties transactions is not applicable as the Accounting Standard provides that "no disclosure is required in the financial statement of state-controlled enterprises as regards related party relationship with other state-controlled enterprises and transactions with such enterprises".
22. (i) The Nigam has not provided any amount of income tax or deferred tax liability (reflecting the tax effects of timing difference between accounting income and taxable income for the period) keeping in view the huge current loss and past accumulated losses. The income tax returns for the reporting period has been filed

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on the basis of provisional Financial Statements because of the delay in preparation of the financial statements and the figures of the actual Financial Statements may vary with the figures of provisional or estimated Financial Statements.

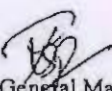
(ii) Due to losses during the reporting period and uncertainty to recover such losses in near future, accounting of deferred tax as required by AS - 22 as issued by The Institute of Chartered Accountants of India, New Delhi have not been provided.

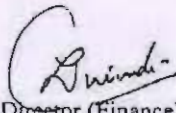
23. The figures as shown in the Balance Sheet, Statement of Profit & Loss and Notes annexed to these statements have been rounded off to the nearest rupee and current year and previous year figures have been regrouped / rearranged wherever practicable to make them comparable.
24. Accounting for unbilled revenue has been done uniformly by distribution units on the basis of electricity sold during the month of March, 2014.
25. The Nigam has no exposure to real estate sector as on 31-03-2014.

Notes at Part - A (A-1 to A-19), Part - B and Part - C form an integral part of Balance Sheet and Statement of Profit & Loss.

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


Company Secretary
(In Part Time)


Dy. General Manager
(Accounts & Finance)


Director (Finance)


Managing Director

Signed in terms of our report of even date.

for ARSAN & Co.
(Firm Registration No. 0052160)
Chartered Accountants

CA SWADHIN KUMAR MISHRA
(Membership No. 402389)
Partner

Place :- Varanasi
Date :- 06/05/2015

Schedule -1 of Notes Part C

NET EFFECT OF INTER COMPANY TRANSACTIONS 2013-14

NAME OF CO.	Receivable	Payable	Net Receivable	Net Payable
1 U.P. POWER CORPORATION	34744939987.59	31222545129.58	3522394858.01	
2 MADHYANCHAL V.V.N.L.	434617576.28	1517855642.85		1083238066.57
3 DAKSHMANCHAL V.V.N.L.	187842905.94	390180950.00		202338044.06
4 PASHIMANCHAL	63407500.00	37516529.00	25890971.00	
5 KESCO	59318967.00	11438000.00	47880967.00	
6 Payable to U.P.P.T.C.L.	26492385.00	16832172.00	9660193.00	
TOTAL	35490126936.81	33179536251.43	3586166796.01	1286676110.63

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Supplement Schedule No. - 2		
Zone - Wise Details of Contingent Assets and Liabilities		
Zone Name	Assets (Rs. in Lakh)	Liabilities (Rs. in Lakh)
Allahabad Zone	--	1202.07
Gorakhpur Zone	--	4537.78
Varanasi Zone	--	12180.87
Azamgarh Zone	--	617.00
Total	--	18537.72

By

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By

By

PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
VIDYUT NAGAR, BHIKHARIPUR, D. L. W., VARANASI
CASH FLOW STATEMENT

Rs. in crore

	Year 2013-14	Year 2012-13
A CASH FLOW FROM OPERATING ACTIVITIES		
1. NET LOSS BEFORE PRIOR PERIOD EXPENSES	(3,375.67)	(2,584.01)
2. ADJUSTMENT FOR		
(a) Depreciation	272.92	384.75
(b) Interest & Financial Charges	1,238.11	870.04
(c) Deferred Cost		
(d) Prior Period Adjustment (Net)	(718.94)	51.17
SUB TOTAL	792.09	1,105.95
OPERATING PROFIT BEFORE WORKING CAPITAL CHANGES	(2,583.58)	(1,478.05)
WORKING CAPITAL CHANGES		
(a) Sundry Debtors	290.75	(1,394.93)
(b) Stores Spares	(153.50)	63.82
(c) Other Current Assets	(946.74)	4.41
(d) Current Liabilities	244.35	1,344.86
(e) Trade Payables	25.15	(3,719.50)
SUB TOTAL	(540.04)	(3,701.34)
NET CASH FROM OPERATING ACTIVITIES - A	(3,123.62)	(5,179.39)
B CASH FLOW FROM INVESTING ACTIVITIES		
(a) Additions to fixed assets and Work in Progress	(1,269.56)	(667.31)
NET CASH FLOW FROM INVESTING ACTIVITIES - B	(1,269.56)	(667.31)
C CASH FLOW FROM FINANCING ACTIVITIES		
(a) Share Application Money received	1,066.55	236.28
(b) Long Term Borrowings received/ (repayment)	4,751.47	6,448.47
(c) Increase in consumers cont. & GoUp capital subsidy	121.48	61.65
(d) Long Term Borrowing repayment-Interest	(1,238.11)	(870.04)
NET CASH FLOW FROM FINANCING ACTIVITIES - C	4,691.39	5,876.36
Net increase in cash & cash equivalents (A+B+C)	298.21	29.66
Cash & cash equivalents at the beginning of the year (Op. Balance)	649.32	619.66
Cash & cash equivalents at the end of the year	947.53	649.32

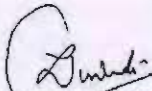
Notes on Accounts

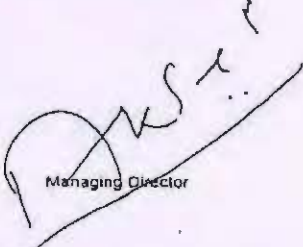
1. Sale/ Purchase of fixed assets, borrowing & repayment of loan is shown at net basis.
2. Interest received on FDR has not been shown under cash flow from Investing activity.

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


Company Secretary
(In Part Time)


Dy. General Manager
(Accounts & Finance)


Director (Finance)


Managing Director

Signed in terms of our report of even date.

For ARSAN & Co,
(Firm Registration No. 005216C)
Chartered Accountants

CA SWADHIN KUMAR MISHRA
(Membership No. 402389)
Partner

Place: Varanasi

Date: 06/05/2015

**ANNUAL REVENUE REQUIREMENT PETITION
FOR FY 2016-17**

ANNEXURE - 3

PROVISIONAL BALANCE SHEET FOR FY 2014-15

PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U.P. Power Corporation Limited)
VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI
PROVISIONAL BALANCE SHEET AS AT 31ST MARCH, 2015

PARTICULARS		NOTE	31-03-2015	31-03-2014
(Amount in Rs.)				
(I) EQUITY AND LIABILITIES		Part- A		
1 Shareholder's Funds				
a) Share Capital	1	39,39,74,13,000	30,86,12,16,000	
b) Reserve & Surplus	2	(1,56,40,00,46,152)	(1,38,39,34,31,557)	
2 Share Application Money Pending for Allotment	3	22,76,45,60,342	10,56,54,97,810	
3 Non Current Liabilities				
Borrowings				
i) Long Term (Secured)	4	17,71,24,45,510	11,82,07,53,644	
ii) Long Term (Unsecured)	4	1,03,50,04,09,501	1,10,62,44,10,753	
4 Current Liabilities				
i) Trade Payables	5	88,51,31,65,093	74,61,79,10,533	
ii) Other Current Liabilities	6	54,97,54,21,726	42,78,67,04,266	
TOTAL			1,70,46,33,69,020	1,42,88,30,61,449

(II) ASSETS				
1 Non - Current Assets				
Fixed Assets				
i) Tangible Assets	7	61,38,62,50,651	47,17,59,70,589	
ii) Intangible Assets	7	11,30,75,000	3,80,41,000	
iii) Capital work-in-progress	7	6,62,54,95,505	5,70,66,74,501	
2 Current Assets				
a) Inventories	8	2,88,99,27,950	1,68,50,05,808	
b) Trade Receivables	9	81,02,37,78,770	68,32,94,03,210	
c) Cash and Cash Equivalent	10	9,49,95,64,575	9,47,53,03,953	
d) Other Current Assets	11	8,92,52,76,569	10,47,26,62,388	
TOTAL			1,70,46,33,69,020	1,42,88,30,61,449

ACCOUNTING POLICIES

Part - B

OTHER NOTES ON ACCOUNTS

Part - C

AUDITORS'S REPORT

As Per our report of even date attached

For :M/s JAMUNA SHUKLA & ASSOCIATES
Chartered Accountants

(Jamuna Shukla)
Partner
[M.No. 46038]



FOR: PURVANCHAL VIDYUT VITRAN NIGAM LTD.

CS

G.M
A/c &
Audit

Director
(Finance)

Managing Director

Place: Varanasi
Date: 28.09.2015

PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
(A wholly owned subsidiary of U.P. Power Corporation Limited)
VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI
STATEMENT OF PROVISIONAL PROFIT & LOSS FOR THE YEAR ENDED 31st MARCH, 2015

PARTICULARS	NOTE	31-03-2015	31-03-2014
Part - A			
A REVENUE FROM OPERATIONS			
1 Sale of Power	12	56,260,853,880	52,042,980,954
Add: Energy Internally Consumed		239,543,460	305,908,250
		<u>56,500,402,340</u>	<u>52,348,889,204</u>
Less: Electricity Duty		<u>3,052,655,311</u>	<u>53,447,747,029</u>
			2,742,375,538
2 Other Income	13	32,834,369,007	19,973,063,264
3 TOTAL (1+2) :		<u>86,282,116,036</u>	<u>69,579,576,930</u>
4 Expenses:			
(a) Cost of Power Purchased	14	82,991,159,988	81,948,875,159
(b) Employee's Benefits Expenses	15	2,174,426,660	2,426,091,130
(c) Finance Costs	16	15,328,951,147	12,682,858,551
(d) Depreciation and Amortization Expenses	17	663,412,182	2,129,890,338
(e) Other Expenses	18	5,095,503,319	4,148,647,893
TOTAL EXPENSES		<u>106,253,453,296</u>	<u>103,336,353,071</u>
5 Profit before exceptional and extraordinary items and tax (3 - 4)		(19,971,337,260)	(33,756,776,141)
6 Exceptional items		-	-
7 Profit/(Loss) before extraordinary items and tax (5 - 6)		(19,971,337,260)	(33,756,776,141)
8 Extraordinary Items - Prior Period Items	19	(76,829,855)	(7,189,389,787)
9 Profit/(Loss) before tax (7 - 8)		(19,998,167,115)	(40,946,165,928)
10 Tax expense			
11 Profit/(Loss) for the period from continuing operations (9 - 10)		(19,998,167,115)	(40,946,165,928)
B DISCONTINUING OPERATIONS			
12 (i) Profit/(loss) from discontinuing operations		-	-
(ii) Gain / (Loss) on disposal of assets		-	-
(iii) Add/(Loss) Tax expenses of discontinuing opt		-	-
13 Profit/(loss) from Discontinuing operations (after tax)		-	-
C TOTAL OPERATIONS			
14 Profit (Loss) for the year (XI + XIV)		(19,998,167,115)	(40,946,165,928)
15 Earnings per equity share:			
(1) Basic		(508)	(1,327)
(2) Diluted		(322)	(869)

ACCOUNTING POLICIES

Part - B

OTHER NOTES ON ACCOUNTS

Part - C

AUDITORS'S REPORT

As Per our report of even date attached

For M/s JAMUNA SHUKLA & ASSOCIATES
Chartered Accountants

(Jamuna Shukla)
Partner
[M.No. 46038]

FOR: PURVANCHAL VIDYUT VITRAN NIGAM LTD

CS

G.M
A/c &
Audit

Director
(Finance)

Managing Director

Place: Varanasi
Date: 28.09.2015

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

(Amount in Rs.)

PARTICULARS	31-03-2015	31-03-2014
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NOTE

PART - A : NOTE - 1

SHARE CAPITAL

1 Authorised		
50,000,000 Equity Shares of Rs. 1,000 each	50,00,00,00,000	50,00,00,00,000
(Previous year 50,000,000 equity shares of Rs. 1,000 each)		
2 Issued, Subscribed and Paid Up		
39397413 Equity Shares of Rs. 1,000/- each fully paid up	39,39,74,13,000	30,86,12,16,000
(Previous year 30861216 equity shares of Rs. 1,000 each)		
Total Issued, Subscribed and Fully Paid up Share Capital	39,39,74,13,000	30,86,12,16,000

a) Reconciliation of Shares outstanding at the beginning and at the end of the reporting period

Equity Shares	31.03.2015		31.03.2014	
	No. of Shares	Amount (Rs.)	No. of Shares	Amount (Rs.)
At the beginning of the period	3,08,61,216	30,86,12,16,000	2,20,42,266	22,04,22,66,000
Issued during the period	85,36,197	8,53,61,97,000	88,18,950	8,81,89,50,000
Total at the end of the period	3,93,97,413	39,39,74,13,000	3,08,61,216	30,86,12,16,000

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.

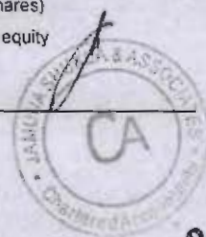
c) Shares held by Holding Company

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:-

	31.03.2015		31.03.2014	
	No. of Shares	Amount (Rs.)	No. of Shares	Amount (Rs.)
U. P. Power Corporation Limited	3,93,96,913	39,39,69,13,000	3,08,60,716	30,86,07,16,000
39396913 Equity Shares (Previ. year 30860716 equity shares) of Rs. 1,000 each fully paid up				
Total:	3,93,96,913	39,39,69,13,000	3,08,60,716	30,86,07,16,000

Notes

- Out of 39396913 Equity shares (Previous year : 30860716 equity shares) 11,51,500 equity shares (Previous year : 11,51,500 equity shares) allotted to holding company i.e. UPPCL for consideration other than cash pursuant to Discom Transfer Scheme.
- Out of 39396913 Equity shares (Previous year : 30860716 equity shares) 38245413 equity shares (Previous year : 29709216 equity shares) allotted to holding company and fully paid against consideration of cash to UPPCL.
- Out of 39397413 Equity shares (Previous year : 30861216 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.



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

(Amount in Rs.)

PARTICULARS	31-03-2015	31-03-2014
PART - A : NOTE - 2		
<u>RESERVE & SURPLUS</u>		
(A) Capital Reserve		
i) <u>Consumers Contribution Towards Service Line and Other Charges</u>		
Opening Balance	9,76,75,52,346	8,45,13,97,056
Add: Additions during the year	2,31,16,88,028	1,81,41,50,645
Less: Deductions/Adjustments	28,86,09,877	49,79,95,355
Closing Balance	11,79,06,30,497	9,76,75,52,346
ii) <u>Subsidies Towards Cost of Capital Assets</u>		
Opening Balance	1,32,10,51,610	1,42,24,13,356
Add: Additions during the year	-	-
Less: Deductions/Adjustments	3,10,01,820	10,13,61,746
Closing Balance	1,29,00,49,790	1,32,10,51,610
Total Capital Reserve (I+ii)	13,08,06,80,287	11,08,86,03,956
(B) Other Reserve		
i) <u>Restructuring Reserve</u>	1,62,17,83,787	1,62,17,83,787
Add: Additions during the year	-	-
Less: Deductions/Adjustments	5,23,811	-
Total	1,62,12,59,976	1,62,17,83,787
(C) Profit & Loss Account : Surplus (Deficit)		
Opening Balance brought forward	(1,51,10,38,19,300)	(1,10,15,76,53,372)
Add: Net Profit / (Loss) for the Year	(19,99,81,67,115)	(40,94,61,65,928)
Total	(1,71,10,19,86,415)	(151,10,38,19,299.74)
GRAND TOTAL (A+B+C)	(1,56,40,00,46,152)	(1,38,39,34,31,557)



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

(Amount in Rs.)

PARTICULARS	31-03-2015	31-03-2014
PART - A : NOTE - 3		
SHARE APPLICATION MONEY		
(Pending for Allotment)		
Opening Balance	10,56,54,97,810	8,81,89,50,875
Add: Additions during the year	20,73,52,59,532	10,56,54,96,935
Less: Deductions/Adjustments	8,53,61,97,000	8,81,89,50,000
	<u>22,76,45,60,342</u>	<u>10,56,54,97,810</u>
PART - A : NOTE - 4		
BORROWINGS		
a) Long Term (Secured)		
Rural Electrification Corporation Ltd.	12,08,52,00,383	8,61,36,62,957
Add: New Borrowings during the year	6,63,42,53,305	8,97,24,10,340
Add: Interest Accrued & Due	-	-
Less : Repay during the year	<u>39,27,85,067</u>	<u>18,32,66,68,621</u>
(Secured against hypothecation of Store Material and 33/11 Substation)	5,50,08,72,914	12,08,52,00,383
Less : Current Maturity of Long Term Borrowings (Secured)	61,42,23,111	26,44,46,739
TOTAL	<u>17,71,24,45,510</u>	<u>11,82,07,53,644</u>
b) Long Term (Unsecured)		
i) Government of Uttar Pradesh		
Loan - Opening Balance	3,75,00,000	55,41,39,000
Add: Interest Accrued & Due	-	-
Less : Repay during the year	<u>-</u>	<u>51,66,39,000</u>
	3,75,00,000	3,75,00,000
ii) Power Finance Corporation Limited		
Loan - Opening Balance	10,76,25,25,049	10,09,25,68,533
Add: New Borrowings during the year	5,48,18,96,200	3,78,06,27,787
Add: Interest Accrued & Due	-	-
Less : Repay during the year	<u>15,09,62,061</u>	<u>16,09,34,59,188</u>
	3,11,06,71,271	10,76,25,25,049
iii) H.U.D.C.O.		
Loan - Opening Balance	2,44,15,55,842	3,20,95,94,652
Add: Borrow during the year	39,15,30,000	9,086
Add: Interest Accrued & Due	-	-
Less : Repay during the year	<u>-</u>	<u>76,80,47,896</u>
	2,83,30,85,842	2,44,15,55,842
iv) Financial Participation by Consumers		
Loan - Opening Balance	2,03,20,230	2,03,20,230
Add: Borrow during the year	-	-
Add: Interest Accrued & Due	-	-
Less : Repay during the year	<u>-</u>	<u>-</u>
	2,03,20,230	2,03,20,230
v) Commercial Banks		
Loan - Opening Balance	57,80,04,74,139	53,84,37,86,437
Add: New Borrowings during the year	4,73,76,96,705	24,31,08,44,349
Add: Interest Accrued & Due	-	-
Less : Repay during the year	<u>-</u>	<u>20,35,41,56,647</u>
	62,53,81,70,844	57,80,04,74,139



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(Amount in Rs.)

PARTICULARS	31-03-2015	31-03-2014
vi) NOIDA		
Loan - Opening Balance	63,11,75,000	40,24,60,000
Add: New Borrowings during the year	-	63,11,75,000
Add: Interest Accrued & Due	-	-
Less : Repay during the year	<u>-</u>	<u>40,24,60,000</u>
	63,11,75,000	63,11,75,000
vii) Mandi Parishad		
Loan - Opening Balance	-	20,12,30,000
Add: New Borrowings during the year	-	50,49,40,000
Add: Interest Accrued & Due	-	-
Less : Repay during the year	<u>-</u>	<u>70,61,70,000</u>
	-	-
viii) Public Bonds		
Loan - Opening Balance	39,91,64,66,386	-
Add: New Borrowings during the year	-	39,91,64,66,386
Add: Interest Accrued & Due	-	-
Less : Repay during the year	<u>13,30,54,97,211</u>	<u>26,61,09,69,175</u>
	26,61,09,69,175	39,91,64,66,386
TOTAL	1,08,76,46,80,279	1,11,61,00,16,646
Less : Current Maturity of Long Term Borrowings (Unsecured)	5,26,42,70,778	98,56,05,893
TOTAL	1,03,50,04,09,501	1,10,62,44,10,753
GRAND TOTAL	1,21,21,28,55,011	1,22,44,51,64,397

PART - A : NOTE - 5

TRADE PAYABLES

1) Liability for Purchase of Power	81,55,61,54,723	69,08,01,38,135
2) Liability for Transmission Charges	<u>6,95,70,10,370</u>	<u>5,53,77,72,398</u>
	88,51,31,65,093	74,61,79,10,533



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

(Amount in Rs.)

PARTICULARS	31-03-2015	31-03-2014
PART - A : NOTE - 6		
OTHER CURRENT LIABILITIES		
1) Liability for Capital Supplies/Works	12,01,47,51,160	11,18,34,19,217
2) Staff Related Liabilities	5,41,40,24,914	5,46,75,59,251
3) Deposits & Retentions from Suppliers & Other	1,95,41,21,514	84,75,95,035
4) Electricity Duty & Other Levies Payable to Govt.	4,07,45,96,953	2,69,90,59,802
5) Deposits for Electrification Works	46,60,99,904	85,96,91,468
6) Sundry Liabilities	3,20,68,20,599	3,06,18,52,078
7) Provident Fund Liabilities	1,87,40,40,017	1,46,92,81,816
Pension and Gratuity Liabilities	34,88,27,608	56,04,64,561
8) CPF Liability	70,27,258	5,31,65,301
9) Security Deposits from Consumers	4,63,22,36,577	4,32,88,52,491
Interest on Security Deposits from Consumer	1,78,88,56,618	1,52,13,52,076
10) Payable to UPPCL	62,07,09,020	-
11) Payable to Madhyanchal VVNL	1,23,86,06,595	1,08,32,38,066
12) Payable to Dakshinanchal VVNL	19,98,08,876	20,23,38,044
13) Payable to U.P.P.T.C.L.	-	-
14) Liabilities for Expenses	29,75,17,258	26,82,26,494
15) Interest Accrued but not Due	38,28,13,219	2,33,79,62,059
16) Inter Unit Transaction	10,57,60,69,747	5,59,25,93,875
17) Current Maturity of Long Term Borrowings (Secured)	61,42,23,111	26,44,46,739
18) Current Maturity of Long Term Borrowings (Unsecured)	5,26,42,70,778	98,56,05,893
	<u>54,97,54,21,726</u>	<u>42,78,67,04,266</u>

PART - A : NOTE - 7

FIXED ASSETS

1) Tangible Assets	61,38,62,50,651	47,17,59,70,589
(As per Annexure 1 of Note 7)		
2) Intangible Assets (Asset with UPTCL)	11,30,75,000	3,80,41,000
3) Capital work-in-progress	6,62,54,95,505	5,70,66,74,501
(As per Annexure 2 of Note 7)		
	<u>68,12,48,21,156</u>	<u>52,92,06,86,090</u>

PART - A : NOTE - 8

INVENTORIES

Store & Spares

1) Stock of Materials	1,79,54,99,358	1,24,73,29,844
2) Other Materials	1,55,21,28,592	89,53,75,964
3) Less: Provision for Unserviceable Stores	45,77,00,000	45,77,00,000
	<u>2,88,99,27,950</u>	<u>1,68,50,05,808</u>



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

(Amount in Rs.)

PARTICULARS	31-03-2015	31-03-2014
PART - A : NOTE - 9		
TRADE RECEIVABLES		
1) Secured and Considered Good	6,42,10,93,195	5,85,02,04,567
2) Unsecured and Considered Good	74,69,75,35,575	62,47,91,98,643
3) Unsecured and Considered Doubtful	<u>25,76,30,05,110</u>	<u>25,18,97,30,081</u>
	1,06,88,16,33,880	93,51,91,33,291
4) Less : Provision for Bad & Doubtful Debts	<u>25,85,78,55,110</u>	25,18,97,30,081
	<u>81,02,37,78,770</u>	<u>68,32,94,03,210</u>

PART - A : NOTE - 10

CASH AND CASH EQUIVALENT

Cash and Cash Equivalents

I. a) Cash in Hand	69,35,52,447	99,58,45,115
b) Balances in Current and other Accounts	8,80,36,92,037	8,47,71,38,747
c) Fixed Deposits with Scheduled Banks (Original Maturity upto three months)	23,20,091	23,20,091
II Other Balances		
Fixed Deposits with Scheduled Banks (Original Maturity more than three months)	-	-
	<u>9,49,95,64,575</u>	<u>9,47,53,03,953</u>

PART - A : NOTE - 11

OTHER CURRENT ASSETS

1) Receivable from KESCO	4,78,80,967	4,78,80,967
2) Receivable from Pashimanthal VVNL	1,96,44,005	2,58,90,971
3) Prepaid Expenses	18,684	3,64,248
4) Receivable from Employees	55,87,59,357	51,88,69,788
5) Receivable from UPPCL	-	3,52,23,94,858
6) Receivable from UPPTCL	2,31,29,004	96,60,193
6) Receivable from GoUP	7,69,18,93,082	5,76,74,99,427
7) Others Receivables	<u>58,39,51,470</u>	<u>58,01,01,936</u>
	<u>8,92,52,76,569</u>	<u>10,47,26,62,388</u>



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(Amount in Rs.)

PARTICULARS	31-03-2015	31-03-2014
PART - A : NOTE - 12		
REVENUE FROM OPERATIONS		
Sale of Power		
Large Supply Consumers		
Industrial	7,90,65,48,456	9,29,04,47,819
Traction	3,32,33,76,013	3,07,68,55,329
Irrigation	4,66,46,27,858	2,38,02,71,254
Public Water Works	<u>3,25,60,37,921</u>	<u>19,15,05,90,248</u>
		2,46,67,94,260
		17,21,43,68,662
Small & Other Consumers		
Domestic	14,20,05,87,390	12,61,62,14,218
Commercial	8,64,99,22,967	8,45,11,83,899
Industrial Low & Medium Voltage	3,36,60,24,550	3,29,03,42,507
Public Lighting	1,29,75,58,590	83,02,46,811
STW & Pump Canals	4,51,68,26,052	4,38,94,26,179
PTW & Sewage Pumping	<u>1,25,29,70,232</u>	<u>33,28,38,89,781</u>
		1,21,94,59,898
		30,80,68,73,512
Other Miscellaneous Charges	1,01,32,67,000	1,58,52,71,492
	<u>53,44,77,47,029</u>	<u>49,60,65,13,666</u>
Less: Internally Energy Consumed	23,95,48,460	30,59,08,250
	<u>53,20,81,98,569</u>	<u>49,30,06,05,416</u>
Add: Electricity Duty	3,05,26,55,311	2,74,23,75,538
TOTAL	<u>56,26,08,53,880</u>	<u>52,04,29,80,954</u>

PART - A : NOTE - 13

OTHER INCOME

Subsidies Received

From Government of Uttar Pradesh

Rural Electrification Subsidy	54,68,00,000	56,62,00,000
Revenue and Tariff Subsidy	17,83,36,00,000	16,50,91,74,723
Subsidies for Operation Loss	9,70,16,20,000	-
Subsidies for Interest on Bonds	<u>3,56,39,75,227</u>	<u>31,64,59,95,227</u>
		1,83,85,32,452
		18,91,39,07,175

Others

Interest on Loans to staff	32,081	15,490
Interest on Fixed Deposit	<u>12,47,32,303</u>	<u>12,47,64,384</u>
		17,45,16,710
		17,45,32,200
Delayed Payment Charges		97,21,18,277
		83,79,39,203
Income from Contractor & Suppliers		8,25,89,334
		4,43,84,051
Rental from Staff		1,37,143
		89,003
Miscellaneous Receipts		87,01,690
		20,24,192
Excess Found on physical Verification of Stores		62,952
		1,87,440

TOTAL

32,83,43,69,007

19,97,30,63,264



PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
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VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI

(Amount in Rs.)

PARTICULARS	31-03-2015	31-03-2014
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PART - A : NOTE - 14

COST OF POWER PURCHASED

1) Purchases from Holding Company - U.P. Power Corporation Ltd	82,99,11,59,988	81,94,88,75,159
Total Power Purchased	82,99,11,59,988	81,94,88,75,159

PART - A : NOTE - 15

EMPLOYEE'S BENEFITS EXPENSES

Salaries & Allowances	1,86,42,62,621	1,96,85,47,604
Dearness Allowance	1,59,63,53,825	1,51,39,55,803
Other Allowances	15,15,49,156	15,79,89,318
Bonus / Ex-Gratia	2,02,19,999	2,89,66,244
Re-imbursment of Medical Expenses	5,76,83,523	2,44,12,551
Leave Travel Assistance	-	9,789
Earned Leave Encashment	25,76,11,189	24,95,86,935
Compensation	51,00,091	39,01,800
Uniform Expenses	55,02,397	56,09,639
Recreation Expenses	98,300	1,60,000
Staff Welfare Expenses	2,80,981	56,531
Pension & Gratuity	29,58,26,563	57,48,21,999
Other Terminal Benefits	48,57,110	49,45,339
Employers Contribution to Provident Fund	9,76,86,193	7,93,56,064
	4,35,70,31,948	4,61,23,19,616
 Less: Expenses Capitalized	 2,18,26,05,288	 2,18,62,28,486
	2,17,44,26,660	2,42,60,91,130

PART - A : NOTE - 16

FINANCE COSTS

Interest paid to:

Government of Uttar Pradesh	-	6,37,07,429	
Interest of Bonds	3,56,39,75,227	1,83,85,32,452	
Power Finance Corporation Limited	1,39,93,43,912	1,31,24,49,013	
Rural Electrical Corporation Limited	1,86,91,19,370	1,40,91,77,827	
Interest on Working Capital Loan	7,78,30,35,536	7,35,79,71,773	
Housing & Urban Development Corporation	35,09,27,970	14,96,64,02,015	39,92,27,315
			12,38,10,65,809
 Interest to Consumers	 38,95,96,724		34,73,52,402
Interest of GPF	12,78,27,518		10,38,34,861
Bank Charges	9,02,165		6,41,403
	15,48,47,28,422		12,83,28,94,475
 Less : Interest Capitalised	 15,57,77,275		15,00,35,924
	15,32,89,51,147		12,68,28,58,551



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

(Amount in Rs.)

PARTICULARS	31-03-2015	31-03-2014
PART - A : NOTE - 17		
DEPRECIATION AND AMORTIZATION EXPENSES		
Depreciation		
Buildings	89,19,701	81,69,032
Plant & Machinery	45,78,34,997	1,72,98,82,425
Lines, Cable Network etc	51,36,46,895	98,87,36,166
Vehicles	4,33,963	77,554
Furniture & Fixtures	7,57,405	1,86,785
Office Equipments	14,30,918	21,85,477
	98,30,23,879	2,72,92,37,439
Less - Equivalent amount of depreciation on assets acquired out of the Consumer's contribution & Government of Uttar Pradesh Subsidy	31,96,11,697	59,93,57,101
	<u>66,34,12,182</u>	<u>2,12,98,80,338</u>
PART - A : NOTE - 18		
OTHER EXPENSES		
a) ADMINISTRATIVE EXPENSES		
Rent	1,03,98,445	1,07,56,409
Rates and Taxes	825	771
Insurance	37,56,234	36,56,486
Communication Charges	1,90,93,108	1,80,46,717
Legal Charges	1,83,80,654	1,66,99,275
Auditors Remuneration Exps.		
Audit Fee	2478873	27,15,640
Traveling Expenses	442545	1,29,586
	29,21,418	28,45,226
Consultancy Charges	9,77,04,867	11,20,564
Traveling and Conveyance	3,11,17,973	3,12,13,484
Fees & Subscription	4,47,51,068	1,94,45,390
Printing and Stationery	3,79,00,513	4,22,01,106
Advertisement Expenses	1,91,90,260	1,79,45,238
Electricity Charges	23,95,48,460	30,59,08,250
Miscellaneous Expenses	57,70,06,163	59,03,01,382
Compensation (Other than staff)	44,74,988	39,68,008
Expenditure on Trust	74,94,978	77,98,434
Expenses Incurred for revenue Realisation	13,14,06,747	13,03,17,348
	<u>1,24,51,46,701</u>	<u>1,20,22,24,088</u>
Less - Expenses Capitalized	51,23,76,953	73,27,69,748
	20,80,53,765	99,41,70,323
Provision for Bad & Doubtful debts	66,81,25,029	(15,30,32,126)
SUB TOTAL	<u>1,40,08,94,777</u>	<u>84,11,38,197</u>
b) REPAIRS AND MAINTENANCE		
Plant & Machinery	71,48,06,121	1,08,79,08,623
Buildings	30,46,90,642	40,83,18,251
Lines Cables net work etc	2,67,41,99,371	1,80,55,51,872
Civil Work	2,71,176	51,43,974
Vehicles - Expenditure	6,46,07,751	6,31,03,813
Less - Transfer to different Capital & O&M Work	6,46,07,751	6,31,03,813
	-	-
Furniture & Fixtures	-	-
Office Equipments	6,41,232	5,86,976
SUB TOTAL	<u>3,69,46,08,542</u>	<u>3,30,75,09,696</u>
TOTAL	<u>5,09,55,03,319</u>	<u>4,14,86,47,893</u>

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

(Amount in Rs.)

PARTICULARS	31-03-2015	31-03-2014
PART - A : NOTE - 19		
<u>PRIOR PERIOD ITEMS</u>		
<u>Prior Period Income</u>		
Interest Income for Prior Periods	-	1,97,13,386
Excess Provision for Depreciation	-	-
Excess Provision for Interest	-	-
Receipts form Consumers relating to Prior Periods	-	(3,79,11,19,000)
	-	(3,77,14,05,614)
<u>Prior Period Expenditure</u>		
Employee Cost - Arrear of Pay & Allowances	2,66,30,756	60,25,615
Depreciation Underprovided in Previous Years	-	2,78,05,25,571
Interest and Other Finance Charges	-	62,88,64,685
Administration Expenses Previous Year	1,99,099	25,68,302
	2,68,29,855	3,41,79,84,173
NET BALANCE	(2,68,29,855)	(7,18,93,89,787)



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

Annexure 1 of Note - 7

FIXED ASSETS

(Amount in Rs.)

PARTICULARS	GROSS BLOCK				DEPRECIATION				NET BLOCK	
	AS AT 01-04-2014	ADDITIONS	DEDUCTIONS	AS AT 31-3-2015	AS AT 01-04-2014	ADDITIONS	DEDUCTIONS	AS AT 31-3-2015	AS AT 31-3-2015	AS AT 31-03-2014
Buildings	52,30,88,279	13,76,86,169		66,07,74,448	3,25,34,260	89,19,701	-	4,14,53,961	61,93,20,487	49,05,54,019
Plant & Machinery	21,42,82,47,388	13,98,85,03,792	6,73,88,52,107	28,67,78,99,073	(4,28,05,77,847)	45,78,34,997	-	(3,82,27,42,850)	32,50,06,41,923	25,70,88,25,235
Lines, Cable Network etc	22,44,39,04,565	5,50,15,89,942	10,75,94,011	27,83,79,00,496	3,85,51,60,082	51,36,46,895	6,78,81,681	4,30,09,25,296	23,53,69,75,200	18,58,87,44,483
Vehicles	8,16,355	-	-	8,16,355	4,35,147	4,33,963	-	8,69,110	(52,755)	3,81,208
Furnitures & Fixtures	29,50,784	-	3,46,669	26,04,115	7,72,305	7,57,405	-	15,29,710	10,74,405	21,78,479
Office Equipments	1,82,29,356	3,57,10,681	1,77,142	5,37,62,895	55,35,775	14,30,918	-	69,66,693	4,67,96,202	1,26,93,581
TOTAL	44,41,72,36,727	19,66,34,90,584	6,84,69,69,929	57,23,37,57,382	(38,61,40,278)	98,30,23,879	6,78,81,681	52,90,01,920	56,70,47,55,462	44,80,33,77,005
Balance as per Transfer Scheme	18,76,52,00,000		-	18,76,52,00,000	16,39,26,06,416	0	2,30,89,01,605	14,08,37,04,811	4,68,14,95,189	2,37,25,93,584
GRAND TOTAL	63,18,24,36,727	19,66,34,90,584	6,84,69,69,929	75,99,89,57,382	16,00,64,66,138	98,30,23,879	2,37,67,83,286	14,61,27,06,731	61,38,62,50,651	47,17,59,70,589
Balance as per Previous year	42,57,02,20,339	26,77,06,77,274	6,15,84,60,886	63,18,24,36,727	12,65,39,47,883	5,50,97,63,009	2,15,72,44,754	16,00,64,66,138	47,17,59,70,589	29,91,62,72,456



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

Annexure 2 of Note - 7

CAPITAL WORKS IN PROGRESS

PARTICULARS	(Amount in Rs.)	
	31-03-2015	31-03-2014
Capital Work in Progress (See Note 1)	1,65,99,88,717	1,65,73,41,410
Revenue Expenses Pending for Capitalisation (See Note 2)		
Upto previous year	-	64,49,53,598
Additions during the year	15,57,77,275	15,00,35,924
Less - Transfer to Fixed Asset	-	155,77,275.00
		79,49,89,522
SUB TOTAL (A)	1,81,57,65,992	1,65,73,41,410
Advances to Suppliers / Contractors	4,80,97,29,513	4,04,93,33,091
SUB TOTAL (B)	4,80,97,29,513	4,04,93,33,091
TOTAL (A)+(B)	6,62,54,95,505	5,70,66,74,501

Notes:

- 1 It includes Establishment and Administration & General Cost Related to works
- 2 It includes Borrowing Cost only related to works



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

PART - B : SIGNIFICANT ACCOUNTING POLICIES

1. BASIS FOR PREPARATION OF FINANCIAL STATEMENTS

- (a) The financial statements are prepared in accordance with historical cost convention on accrual basis in accordance with Generally Accepted Accounting Principles (GAAP) and Accounting Standards notified by the Companies (Accounting Standard) Rules, 2006 and the relevant 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 Account) Rules, 1985 have been adopted.
- (b) The preparation of Financial Statements requires the Management to make estimates and assumptions considered in the reported amount of assets, liabilities (including contingent liabilities), revenue and expenses of the reporting period. The difference between the actual results and the estimates are recognized in the period in which the results are known and /or materialized.
- (c) Subsidy/Grants/Assistance etc. are accounted for on cash/adjustment basis as per allocation of funds to DISCOM made by the holding Company i.e. U. P. Power Corporation Limited. Interest on loans to staff is accounted for on receipt basis after the recovery of principal in full. Insurance and other claims, refunds of custom duty etc are account for on cash/adjustment basis.

2. RECOGNITION OF INCOME / EXPENDITURE

Income and expenses except as stated below are accounted for on accrual basis:-

- (i) Late payment surcharge recoverable from consumer on energy bills is accounted for on cash basis due to uncertainty of realization.
- (ii) The sale of electricity does not include electricity duty payable to the State Government as the same is not the income of the Nigam.



- (iii) Assessment of own energy consumption is done on the basis of connected load/hours of supply/meters.
- (iv) Sale of energy is accounted for based on tariff rates approved by U.P. Electricity Regulatory Commission.
- (v) In case of detection of theft of energy, the consumer is billed on laid down norms irrespective of actual realization from the consumer.
- (vi) Penal interest, overdue interest, commitment charges and incentive /rebates on loans are accounted for on cash basis after final ascertainment.
- (vii) All prior period income and expenditure are shown in current period as a distinct item.
- (viii) Provisions are made for all expenses and incomes as per their nature.

3. FIXED ASSETS

- (a) Fixed Assets are shown at historical cost less accumulated depreciation, except for the assets retired from the active use and held for disposal, which are stated at lower of the book value or net realizable value.
- (b) Fixed Assets at the inception of the Nigam are shown at the values received by its holding company as per Provisional Transfer Scheme, 2003 vide dated 12-08-2003.
- (c) All costs relating to the acquisition and installation of fixed assets till the date of commissioning are capitalized.
- (d) 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.
- (e) 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.



- (f) Due to multiplicity of functional units as well as multiplicity of function at particular unit, employees cost and general & administration expenses are capitalized @ 15% on distribution and deposit works, 11% on other works on the amount of total expenditure.
- (g) Borrowing cost during construction stage of capital assets are allocated to the capital work in progress for the year. The determination of amount of borrowing cost attributable to capital works are capitalized as given in the Electricity (Supply) (Annual Account) Rules, 1985.

4. DEPRECIATION

- (a) Depreciation on fixed assets is provided in accordance with provision of Schedule II of Companies Act, 2013.
- (b) Depreciation on value of additions to /deductions from Fixed Assets during the year is charged on pro rata basis.

5. STORES & SPARES

- (a) Stores & Spares are valued at cost.
- (b) Steel scrap is valued at realizable value and scraps other than steel are accounted for in the accounts as and when sold.
- (c) Any shortage/excess of material found during the year end is shown as "material short/excess pending investigation" till the finalization of investigation.
- (d) Necessary and appropriate provision is made on the basis of best possible estimates in respect of unserviceable stores.

6. POWER PURCHASES

The bulk purchase of power is made available by the holding company (U. P. Power Corporation Limited) and Power Purchase is accounted for on the basis of bills raised by the holding company i.e. U. P. Power Corporation Limited and the Transmission charges for this is accounted for on the basis of adjustment advice sent by UPPCL in respect of bills raised by the Uttar Pradesh Power Transmission Corporation Limited.



7. EMPLOYEES BENEFITS

- (a) Contribution paid / payable during the financial year towards Provident Fund, Pension, Gratuity etc. in respect of employees is determined on the basis of actuarial valuation and is charged to Statement of Profit & Loss in accordance with accrual basis.
- (b) Leave encashment and medical benefits and LTC are accounted for on the basis of claims received and approved during the year.

8. PROVISIONS AND CONTINGENT LIABILITIES

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

9. 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.

10. CASH FLOW STATEMENT

Cash Flow Statement is prepared in accordance with the indirect method prescribed in Accounting Standard – 3 on Cash Flow Statement.

For – JAMUNA SHUKLA & ASSOCIATES
Chartered Accountants

JAMUNA SHUKLA
(PARTNER)
(M.No.46038)



For: Purvanchal Vidyut Vitran Nigam Limited

CS

G.M. DIRECTOR M.D.
(A/C & AUDIT) (FINANCE)

DATE: 28.09.2015
PLACE: VARANASI

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

PART – C : NOTES ON ACCOUNTS

Annexed to and forming part of balance sheet as at 31-03-2015 and Statement of Profit and Loss for the period ended on that date.

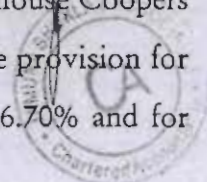
1. The Nigam is a wholly owned subsidiary of U.P. Power Corporation Limited, Lucknow which owned by the State Government of Uttar Pradesh and engaged in the business of trading (purchase and sale) of electricity.
2. The Nigam was incorporated under the Companies Act, 2013 on 01-05-2003 and commenced 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.
3. The annual accounts for the year 2014-15 are based on the balances of assets and liabilities transferred as per Provisional Transfer Scheme, 2003. The transaction pertaining to distribution business during the reporting period 2014-15 has been accounted for in the books of account of Purvanchal Vidyut Vitran Nigam Limited (PuVVNL). The final transfer scheme is yet to be issued by Government of Uttar Pradesh. The opening balances of 12-08-2003 will be adjusted accordingly after the issue of final transfer scheme.
4. The Share Capital includes the shares allotted to subscribers of Memorandum and Articles of Association being the key person of the Nigam in their personal names at that time which is transferred from time to time in the name of new key person as and when the new key person takes the charge of Nigam after transfer / retirement of the previous one.
5. The liability for GPF, Pension and Gratuity during the period is discharged to U.P. State Power Sector Employees Trust by the Purvanchal Vidyut Vitran Nigam Limited and the liabilities of Contribution to Provident Fund are discharged to CPF Trust.



6. In charging Depreciation on Fixed Assets, the provision of Schedule -II of the Companies Act, 2013, complied to the extent of feasibility.
7. The Provision for bad & doubtful debts against revenue from sale of power has been made @ 5% on the incremental basis of trade receivables over the previous year.
8. The loan taken by Purvanchal Vidyut Vitran Nigam Limited during the financial year 2014-15 amounting to Rs 172453.76 lacs out of which Rs. 17342.53 lacs directly and Rs. 155111.23 lacs by Holding Company i.e. UPPCL on behalf of PuVVNL as per details given below:-

Sl.No.	Particulars	PuVVNL	UPPCL	Total
1	REC	17342.53	49000.00	66342.53
2	PFC	0.00	54818.96	54818.96
3	HUDCO	0.00	3915.30	3915.30
4	BANK LOAN	0.00	47376.97	47376.97
	Total	17342.53	155111.23	172453.76

9. 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 on Account) and records for the purpose.
10. 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 and the Holding Company has further authorized to these 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.
11. Liability towards Medical Expenses and Leave Travel Concession has been provided to the extent established.
12. Based on actuarial valuation report submitted by M/s. Price Waterhouse Coopers to the Holding Company i.e. U.P. Power Corporation Limited, the provision for accrued liability on account of Pension Fund has been made @ 16.70% and for



Gratuity has been made @ 2.38% for the current period on the amount of basic Pay and DA paid / payable to employees.

13. Amount due to SSI units could not be ascertained and interest there on could not be provided for want of complete information. Efforts are being made to segregate this information.
14. Related party disclosures as per AS - 18 are as under:

Sl. No.	Name of the key managerial Personnel	Period
1	Shri Sanjay Agrawal, (IAS) Chairman & MD	01-04-2014 to 31-03-2015
2	Shri A.P. Mishra, MD	01-04-2014 to 24-06-2014
3	Dr. Kajal (IAS) MD	25-06-2014 to 31-01-2015
4	Shri A.P. Mishra, MD	01-02-2015 to 12-02-2015
5	Shri Sanjay Agrawal, (IAS) MD	13-02-2015 to 23-02-2015
6	Shri M.L. Sharma, MD (Officiating)	24-02-2015 to 26-03-2015
7	Shri Ajai Kumar Singh, MD	27-03-2015 to 31-03-2015
8	Shri A.P. Mishra, MD, UPPCL	01-04-2014 to 31-03-2015
9	Shri Kamran Rizavi, MD (UPPTCL)	01-04-2014 to 17-09-2014
10	Shri Sanjay Agrawal, (IAS) MD, UPPTCL	18-09-2014 to 07-11-2014
11	Shri Sanjay Prasad, MD (IAS) (UPPTCL)	07-11-2014 (A.N.) to 31-03-2015
12	Shri S.K. Agrawal, Director	01-04-2014 to 31-03-2015
13	Shri Sudhanshu Dwivedi, Director (F)	01-04-2014 to 31-03-2015
14	Shri M.L. Sharma, Director (T)	01-04-2014 to 31-03-2015
15	Shri Ajit Singh Director (C)	25-03-2015 to 31-03-2015



Employees cost includes managerial remuneration (MD) is as under:-

Name of MD/Director	2014-15 (Rs. in lacs)		2013-14 (Rs in lacs)	
	Salary and Allowance	Contribution to P.F./ Gratuity/ Pension	Salary and Allowance	Contribution to P.F./ Gratuity/ Pension
1. (a) Sri Alok Kumar, MD	6.90	1.22	45.95	7.77
(b) Dr. Kajal (IAS) MD	4.56	0.79		
2. Sri Sudhanshu Dwivedi, Director (F)	17.96	3.42		
3. Shri M.L. Sharma, Director (T)	9.58	-		
Total	39.00	5.43		

In addition to above perquisites, the Managing and other Directors have been allowed to use Company's vehicle (car) including private journey without any ceiling of kilometers at a payment of Rs.500 per month.

15. Debts due from Directors were Rs. Nil
16. Payments to Directors and Officers in foreign currency towards foreign tours were Nil
17. Information pursuant to provision of Para II of Schedule VI of Companies Act, 2013 are as under:-

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

SL. NO.	DESCRIPTION	2014-2015 MILLION UNITS	2013-2014 MILLION UNITS
1.	Total number of units purchased	18251.836	16928.91
2.	Total number of units sold	13893.333	12742.52
3.	Distribution Losses	23.88 %	24.73 %

(b) Contingent Assets and contingent Liabilities are given in supplements schedule No.

2.



18. Capitalisation of Interest on borrowed fund utilized during construction stage of Capital Assets has been done by identifying the Schemes/Assets and the funds used for the purpose to the extent established.
19. Since the Nigam is principally engaged in the business of purchase and sale of Electricity and there is no other source of income as per segment reporting vide AS-17 therefore the segment reporting and disclosure as per Accounting Standard(AS) - 17 is not required.
20. The company is a state owned enterprises hence the disclosure as required as per AS-18 issued by ICAI on related parties transactions is not applicable as the Accounting Standard provides that "no disclosure is required in the financial statement of state-controlled enterprises as regards related party relationship with other state-controlled enterprises and transactions with such enterprises".
21. (i) The Nigam has not provided any amount of income tax or deferred tax liability (reflecting the tax effects of timing difference between accounting income and taxable income for the period) keeping in view the huge current loss and past accumulated losses. The income tax returns for the reporting period has been filed on the basis of provisional Financial Statements because of the delay in preparation of the financial statements and the figures of the actual Financial Statements may vary with the figures of provisional or estimated Financial Statements.

(ii) Due to losses during the reporting period and uncertainty to recover such losses in near future, accounting of deferred tax as required by AS - 22 as issued by The Institute of Chartered Accountants of India, New Delhi have not been provided.
22. The figures as shown in the Balance Sheet, Statement of Profit & Loss and Notes annexed to these statements have been rounded off to the nearest rupee and current year and previous year figures have been regrouped / rearranged wherever practicable to make them comparable.



23. Accounting for unbilled revenue has been done uniformly by distribution units on the basis of electricity sold during the month of March, 2015.

24. The Nigam has no exposure to real estate sector as on 31-03-2015.

Notes at Part - A (A-1 to A-19), Part - B and Part - C form an integral part of Balance Sheet and Statement of Profit & Loss.

For: Purvanchal Vidyut Vitran Nigam Limited

For - JAMUNA SHUKLA & ASSOCIATES
Chartered Accountants

JAMUNA SHUKLA
(PARTNER)
(M.No.46038)



CS

G.M.
(A/C & AUDIT)

DIRECTOR
(FINANCE)

M.D.

DATE: 28.09.2015
PLACE: VARANASI

**ANNUAL REVENUE REQUIREMENT PETITION
FOR FY 2016-17**

ANNEXURE - 4

POLICY FOR IDENTIFYING & WRITING OFF OLD ARREARS

(उपरोक्त संकेतों का उपयोग)

वाणिज्य एवं उद्योग विभाग

शिवित सदन, १४-अंशोक मार्ग, लखनऊ

फोन नं० : 0522-2281868 फॅक्स : 0522-228734

✉ heidi@comuppel.com ☎ www.uppel.org

दिनांक ०५/०८/२०१४

विषय : अद्वैतविक्रम स्मारक का भंगोपसर्ग / अन्वेषण

Bad & Doubtful debts

कर्मलक्षणा

कार्यालय नाम संख्या-2/28/सि/अ/आ-3 दिनांक जून-7, 2004 को और अधिक प्रमाण प्रदान हेतु कार्यालय हित में निम्नलिखित संशोधन किये जाते हैं:-

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SE (Rev. II)

Bashkeldian 2014

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18-01-14

(ख) रु. 80000.00 (पचास हजार) से अधिक के समस्त ताल्ले :- अध्यक्ष - सर्वोच्च मुख्य महाप्रबन्धक (वितरण अंचल) सदस्य - संबंधित महाप्रबन्धक (वितरण क्षेत्र) सदस्य - संबंधित उपमहाप्रबन्धक (वितरण मण्डल) (ग) कम से 3 व 4 में उल्लिखित प्रक्रिया के अनुसार निदेशिका बकायों का विवरण संलग्न प्रारूप-1 में तथा कम से 5 के अनुसार अप्राम्य बकायों का विवरण संलग्न प्रारूप-1 में भर कर इस महाप्रबन्धक (वितरण मण्डल) / मुख्य महाप्रबन्धक (वितरण) पंचल के स्तर पर प्रस्ताव-7 में उल्लिखित समिति को अनुमोदन हेतु प्रस्तुत किया जायेगा।	(घ) 50 हजार तक के इकाय पर :- अध्यक्ष (सीधे) (वितरण मण्डल) :- अध्यक्ष अधिकारी (सीधे) / महाप्रबन्धक (सीधे) :- समीक्षक लेखाकार (सीधे) :- सदस्य
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घरेलू बतरी एवं गैरवा उपयोगी वस्तुओं का रथाई विच्छेदन कार्यक्रम के लिए उपखण्ड अधिकारी अधिकृत होने पर नु. उपयोगी वस्तुओं का कार्ड कोड 22 (विपत्तिसमाप्ति) अधिशारी अभियन्ता वितरण द्वारा किया जायेगा। रथाई विच्छेदन हेतु 3090 विद्युत प्रदाय सहित 2005 के पैर 4.38 का पलिन किया जायेगा।

उपरोक्त कार्यलय जाय संख्या-2129/सीएमए/आर-3 दिनांक 27.12.2014 में उल्लिखित उप महाप्रबन्धक, महाप्रबन्धक एवं मुख्य महाप्रबन्धक के स्थान पर अधीक्षण अभियन्ता, मुख्य अभियन्ता एवं निदेशिका (वाणिज्य/तकनीकी) समस्त जाये।

(संज्ञक अधिकारी)

अध्यक्ष

सं. 13-मु0प्र0वा0प्र0मण्डल/सीएमए-1/विपत्तिसमाप्ति 07.2015

प्रतिलिपि :-

- 1- प्रत्यक्ष निदेशक मध्यम/प्रबन्धक/निदेशावली/परिचालन, लखनऊ/वाराणसी/आगरा/मेरठ एवं कुरुको।
- 2- निदेशक (वाणिज्य/विपत्तिसमाप्ति/विपत्तिसमाप्ति/का0प्रबन्धक एवं मण्डल), पंचगालि
- 3- निदेशक (वाणिज्य/तकनीकी), लखनऊ/पंचगालि/निदेशावली/परिचालन, लखनऊ/वाराणसी/आगरा/मेरठ
- 4- समस्त मुख्य अभियन्ता (वितरण), 3090वा0प्र0मण्डल
- 5- समस्त अधीक्षण अभियन्ता (वितरण), 3090वा0प्र0मण्डल
- 6- समस्त अधिशारी अभियन्ता (वितरण), 3090वा0प्र0मण्डल

(संज्ञक अधिकारी)

अध्यक्ष