

# **PURVANCHAL VIDYUT VITRAN NIGAM LIMITED**

**ANNUAL REVENUE REQUIREMENT  
FOR FY 2015-16 AND TRUE UP  
FOR FY 2012-13**



**PURVANCHAL VIDYUT VITRAN NIGAM LIMITED**



S.No 3880 Date 2-12-14

भारतीय गैर न्यायिक

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रुपये

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TEN  
RUPEES

Rs.10

INDIA

INDIA NON JUDICIAL

उत्तर प्रदेश Before THE U.P. Pradesh Electricity Regulatory Commission  
Lucknow

Filing No -----  
Case NO-----

IN THE MATER OF

Parvanchal Vidyut Vitran NIGAM Ltd.filling of  
Annual Requirement for FY 2015-16 and true -up for  
FY 2012-13

I, M.D Dr. Kajal P/o Late Om Prakash 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 2015-16 & True up for FY 2012-13 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 and True-up petition and pass such necessary orders as it may deem necessary.
4. That **Sri Lal Babu Sarma - SE (Commercial) Puvvnl** is being authourized to sign the enclosed Annual Revenue Requirement and related documents.

Dated- 02-12-2014

Deponent



भारतीय स्टेट बैंक  
State Bank of India  
पत्ता: DIESEL LOCO WORKS (VARANASI)  
BR/COE No. 01868  
No. 05420-227055

मांगद्राफ्ट  
DEMAND DRAFT

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नाम: जानवर SACHIV U.P. VIDYUT NIYAMAK AYOGE LUCKNOW

या उनके आदेश पर

ON DEMAND PAY

OR ORDER

रुपये RUPEES Twenty Four Lakh Only

अदा करें ₹ 2400000.00

IOI 000407651112

Key: YIJFAR

Sr. No: 850887

AMOUNT BELOW 2400001(2/7)

मूल्य प्राप्त / VALUE RECEIVED

भारतीय स्टेट बैंक

STATE BANK OF INDIA

अदाकर्ता शाखा / DRAWEE BRANCH: LUCKNOW MAIN BRANCH

कोड नं. / CODE No: 00125

Kishore Kr. Dutta  
K-11935

प्राधिकृत हस्ताक्षरकर्ता  
AUTHORISED SIGNATORY

शाखा प्रबंधक  
BRANCH MANAGER

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SUPERINTENDING ENGINEER (COM.)  
Purvaachal Vidyut Vitan Nigam Limited  
Vidyut Nagar, P.O. D.L.W., Varanasi

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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 (UPJVN) 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, Sonbhadra, 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 6<sup>th</sup> 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 29<sup>th</sup> November, 2013 and 13<sup>th</sup> 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 18<sup>th</sup> December, 2013.

The Commission admitted the above petitions of the licensee vide its Admittance Order dated 3<sup>rd</sup> 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 7<sup>th</sup> and 8<sup>th</sup> 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 14<sup>th</sup> 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 21<sup>st</sup> 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 01<sup>st</sup> 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 01<sup>st</sup> 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 PETITION FOR FY 2015-16

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, 2014.



Accordingly, the Petitioner is hereby submitting its ARR Petition for FY 2015-16 which broadly covers the following:

- True up for FY 2012-13 based on audited accounts;
- Actual performance for the financial year 2013-14 based on provisional accounts;
- Revised estimates for the financial year 2014-15; and
- Proposed ARR for the financial year 2015-16.

## 1.5 STRUCTURE OF THE ARR PETITION FOR FY 2015-16

The structure of this ARR Petition is as under:

- |                  |                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chapter 1</b> | <b>Background and Procedural History</b><br>This contains a brief background and rationale used for the submission; major issues that describe the structure of the submission.                                                                                                                                                                                        |
| <b>Chapter 2</b> | <b>True up Petition for FY 2012-13</b><br>This section deals with the true up for each element of expenditure for FY 2012-13 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 2015-16. |
| <b>Chapter 3</b> | <b>Progress of the Various Efficiency Improvement Measures taken by the Petitioner</b><br>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                                                                               |
| <b>Chapter 4</b> | <b>Capital Investment Plan</b><br>This section details the nature of scheme and the expected financial outlay towards the capital investment plan for FY 2015-16. Section also provides the revised estimates in respect of capital investment for FY 2014-15.                                                                                                         |
| <b>Chapter 5</b> | <b>Compliance of the Hon'ble Commission's Directives</b><br>This section lists the directives issued by the Hon'ble Commission in the previous tariff order and the status of their compliances.                                                                                                                                                                       |
| <b>Chapter 6</b> | <b>Load Forecast and Revenue Assessment</b><br>This includes actual sales for FY 2013-14, estimates for FY 2014-15 and forecasts for FY 2015-16. It also includes actual billing determinants for FY 2013-14, estimates for FY 2014-15 and projected billing determinants and revenue assessment for FY 2014-15 and 2015-16 by consumer category.                      |
| <b>Chapter 7</b> | <b>ARR for Wheeling and Retail Supply Business</b><br>This includes the ARR forecast for FY 2015-16. 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

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SUPERINTENDING ENGINEER (COM.)  
Purvanchal Vidyut Vitran Nigam Limited  
Vidyut Nagar, P.O. D.L.W., Varanasi



## 2. TRUE UP PETITION FOR FY 2012-13

### 2.1 TRUE-UP SUMMARY FOR FY 2012-13

The Petitioner submits that the audited accounts for FY 2012-13 for the Petitioner have been enclosed along with this Petition. The Petitioner seeks true-up of expenses for the year 2012-13 as per the audited accounts as applicable for various heads of expenditure. The following table summarises the truing up computations for 2012-13 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 2012-13**

(All figures in Rs Crore)

Particulars	Approved	Actuals as per audited accounts	True-up Petition
Power Purchase Expenses	5807.72	5788.17	6433.29
Apportionment of O&M Expenses of UPPCL#	0.00	0.00	32.04
Transmission Charges	280.03	278.99	291.87
Employee Expenses	586.29	407.40	407.40
Repair and Maintenance Expenses	148.60	266.49	266.49
A&G Expenses	46.43	69.69	69.69
Gross Interest on Long Term Loans	129.49	197.05	203.12
Interest o Bonds	0.00	0.00	0.00
Interest to Consumer	26.26	10.41	10.41
Finance Charges	7.77	0.07	0.07
Interest on Working Capital	41.70	672.99	41.42
Discount to Consumers	0.04	0.00	0.00
Depreciation	236.73	131.55	267.15
Prior Period Expenses	0.00	-51.17	-51.17
Other Misc Expenses / Incomes	0.00	0.00	0.00
Provision for Bad and Doubtful Debts	0.00	65.39	82.35
<b>Gross Expenditure</b>	<b>7311.08</b>	<b>7837.03</b>	<b>8054.13</b>
Less: Employee Capitalisation	87.94	93.67	93.67
Less: A&G Capitalisation	6.97	11.60	11.60
Less: Interest Capitalisation	10.08	64.50	64.50
<b>Total Capitalisation</b>	<b>104.99</b>	<b>169.77</b>	<b>169.77</b>
<b>Net Expenditure</b>	<b>7206.08</b>	<b>7667.26</b>	<b>7884.37</b>
Add: Return on Equity	0.00	0.00	0.00
Less: Non-tariff Incomes	122.76	17.27	17.27
Add: Efficiency Gains	0.00	0.00	24.05
<b>Annual Revenue Requirement</b>	<b>7083.32</b>	<b>7649.99</b>	<b>7891.15</b>
Revenue from Tariff incl DPS	4300.59	4117.43	4117.43
GoUP Subsidy	1575.95	999.72	999.72
<b>Net Revenue Gap</b>	<b>1206.78</b>	<b>2532.84</b>	<b>2774.00</b>

The Petitioner requests the Hon'ble Commission to allow truing up for FY 2012-13 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 2012-13, the Hon'ble Commission had approved the power purchase of 74,703.39 MU at UPPCL level. The Petitioner humbly submits that the actual power purchase in FY 2012-13 was 77,707.16 MU at a value of Rs. 29,557.94 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 2012-13 is Rs. 29,557.94 crore and trued up Bulk Supply Tariff is Rs. 4.01 per kWh as depicted in the table below:

**Table 2-2: Allowable Power Purchase Input and Bulk Supply Tariff for FY 2012-13 under truing up**

Particulars	Unit	Approved	Actuals	True-up Petition
Power Purchase	MU	74,703.39	77,707.16	77,707.16
Transmission Loss	MU	4,208.31	4,039.76	4,039.76
Transmission Loss	%	5.63%	5.20%	5.20%
Energy available at Discom End	MU	70,495.08	73,667.40	73,667.40
Power Purchase Cost (including PGCIL charges)	Rs Crore	25,439.60	29,557.94	
Power Purchase Cost per unit	Rs/kWh	3.61	4.01	
Allowable Power Purchase Cost at Discom end	Rs Crore			29,557.94
<b>Power Purchase Cost per unit at Discom end (BST)</b>	<b>Rs/kWh</b>			<b>4.01</b>

The Hon'ble Commission in its True-up Order for FY 2008-09 to FY 2011-12 dated 01<sup>st</sup> October, 2014 had considered a philosophy, wherein the efficiency target of Distribution loss level, had



been considered as controllable parameter, and thereupon the power purchase cost 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 2012-13 under truing up as shown in the table below:

Table 2-3: Trued up Power Purchase Cost for PuVVNL in FY 2012-13

Particulars	Unit	Approved	Actuals	True-up Petition
Power Purchase	MU	16,093.65	16,033.71	16,033.71
Sales	MU	12,146.09	11,919.92	11,919.92
Distribution Loss Target	%	24.53%	25.66%	24.53%
Allowable Power Purchase	MU			15,793.97
Trued up Bulk Supply Tariff	Rs/kWh			4.01
<b>Allowable Power Purchase Cost</b>	<b>Rs Crore</b>			<b>6,433.29</b>

### 2.1.2 TRANSMISSION CHARGES

In the Tariff Order for FY 2012-13 for the Petitioner, the Hon'ble Commission has approved the Transmission Charges of Rs. 280.03 crore (@ Rs. 0.174 per kWh) towards a projected power purchase of 16,093.65 MU.

As per the audited accounts, the Petitioner has incurred Rs. 278.99 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. 291.87 crore which have been computed by multiplying the allowable power purchase input of 15,793.97 MU (determined in foregoing section) by the trued up transmission charge of Rs. 0.1848 per kWh which has been traced from the True-up Petition filed by the UPPTCL before the Hon'ble Commission for FY 2012-13.

Table 2-4: Allowable Intra-State Transmission Charges for FY 2012-13

Particulars	Unit	Approved	Actuals	True-up Petition
Units Wheeled	MU	16,093.65	16,033.71	15,793.97
Trued up Transmission Charge	Rs/kWh	0.174	0.174	0.185
<b>Transmission Charges</b>	<b>Rs Crore</b>	<b>280.03</b>	<b>278.99</b>	<b>291.87</b>

Accordingly, the Petitioner submits that, against the approved intra-state transmission charges of Rs. 280.03 crore, the allowable transmission charges for FY 2012-13 are to the tune of Rs. 291.87 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. 407.40 crore as against Rs. 586.29 crore approved by the Hon'ble Commission in the Tariff Order for FY 2012-13. The employee expenses capitalised as per audited accounts are to the tune of Rs. 93.67 crore as against Rs. 87.94 crore approved in the Tariff Order. Thus, the net employee expenses as per audited accounts are Rs. 313.73 crore as against Rs. 498.35 crore approved in the Tariff Order.

Further, the Petitioner submits that the actual gross A&G expenses were Rs. 69.69 crore as against Rs. 46.43 crore approved by the Hon'ble Commission in the Tariff Order for FY 2012-13. The A&G expenses capitalised as per audited accounts are to the tune of Rs. 11.60 crore against Rs. 6.97 crore approved in the Tariff Order. Thus, the net A&G expenses as per audited accounts are Rs. 58.09 crore as against Rs. 39.47 crore approved in the Tariff Order.

The actual repair and maintenance expenses for FY 2012-13 were Rs. 266.49 crore as against Rs. 148.60 crore approved by the Commission in the Tariff Order.

The Petitioner has been able to control the employee expenses and administrative and general expenses within the limit prescribed in the Tariff Order. The overall O&M expenses are also within the limit approved 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, as they are within the range prescribed in the Tariff Order for FY 2012-13. Further, as the actual expenses are lower than the approved expenses, the Petitioner submits that it is entitled to efficiency gains as per the terms of the Distribution Tariff Regulations to the tune of Rs. 24.05 crore. The same have been computed as 50% of the difference between the approved net O&M expenses and actual net O&M expenses.

The summary of the O&M expenses approved in the Tariff Order for FY 2011-12 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 2012-13**

(All figures in Rs Crore)



Particulars	Tariff Order	Actuals as per audited accounts	True-up Petition
Employee Expenses	586.29	407.40	407.40
Repair & Maintenance Expenses	148.60	266.49	266.49
Administrative and General Expenses	46.43	69.69	69.69
<b>Gross Operation and Maintenance Expenses</b>	<b>781.33</b>	<b>743.58</b>	<b>743.58</b>
Less: Capitalisation			
Employee Cost Capitalized	87.94	93.67	93.67
A&G Expenses Capitalized	6.97	11.60	11.60
<b>Total Capitalization</b>	<b>94.91</b>	<b>105.27</b>	<b>105.27</b>
<b>Net Operation and Maintenance Expenses</b>	<b>686.42</b>	<b>638.31</b>	<b>638.31</b>

In addition to the above, the Petitioner is entitled to efficiency gains of Rs. 24.05 crore.

#### 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 2012-13 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 2011-12. The details are provided in the table below:

**Table 2-6: Capital Investments in FY 2012-13**

(All figures in Rs Crore)

Particulars	Derivation	2012-13
-------------	------------	---------

Opening WIP as on 1st April	A	1127.93
Investments	B	785.33
Employee Expenses Capitalisation	C	93.67
A&G Expenses Capitalisation	D	11.60
Interest Capitalisation on Interest on long term loans	E	64.50
<b>Total Investments</b>	<b>F= A+B+C+D+E</b>	<b>2083.02</b>
Transferred to GFA (Total Capitalisation)	G	779.22
<b>Closing WIP</b>	<b>H= F-G</b>	<b>1303.80</b>

The table below summarises the amounts received towards consumer contributions, capital grants and subsidies in FY 2012-13:

**Table 2-7: Consumer Contributions, Capital Grants and Subsidies in FY 2012-13**

(All figures in Rs Crore)

Particulars	True up Petition
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	925.74
Additions during the year	141.91
Less: Amortisation	80.26
<b>Closing Balance</b>	<b>987.39</b>


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

**Table 2-8: Financing of the Capital Investments in FY 2012-13**

(All figures in Rs Crore)

Particulars	Derivation	True up Petition
Investment	A	785.33
Less:		-
Consumer Contribution	B	141.91
Investment funded by debt and equity	C=A-B	643.42
Debt Funded	70%	450.39
Equity Funded	30%	193.03

Thus, from the above tables it is seen, that the Petitioner has made an investment of Rs. 785.33 crore in FY 2012-13. The consumer contributions, capital subsidies and grants received during the corresponding period is Rs. 141.91 crore. Thus, balance Rs. 643.42 crore have been funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 450.39 crore or 70% of the capital investment is approved to be funded through debt and balance 30% equivalent to Rs.

  
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193.03 crore through equity. Allowable depreciation for the year has been considered as normative loan repayment.

The actual weighted average rate of 13.30% 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 2012-13.

Considering the above, the gross interest on long term loan is Rs. 203.12 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 2012-13**


(All figures in Rs Crore)

Particulars	2012-13
Opening Loan	1,435.64
Loan Additions (70% of Investments)	450.39
Less: Repayments (Depreciation allowable for the year)	267.15
Closing Loan Balance	1,618.88
Weighted Average Rate of Interest	13.30%
<b>Interest on long term loan</b>	<b>203.12</b>
Interest Capitalisation Rate	31.75%
Less: Interest Capitalized	64.50
<b>Net Interest Charged</b>	<b>138.63</b>

#### 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 2011-12 is to the tune of Rs. 10.41 crore as against Rs. 26.26 crore approved in the Tariff Order. It is humbly prayed that the variation may be allowed in the true up.

  
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**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. 0.07 crore as per audited accounts towards expenditures like bank charges, finance charges, etc and the same be allowed in the true up for FY 2012-13.

**2.1.4.3 INTEREST ON WORKING CAPITAL**

In the Tariff Order for FY 2012-13, the Hon'ble Commission had allowed Rs. 41.70 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. 41.42 crore towards interest on working capital for FY 2012-13 as computed in the table below:

**Table 2-10: Allowable Interest on Working Capital for FY 2011-12**

(All figures in Rs Crore)

Particulars	Derivation	True up Petition
<b>O&amp;M Expenses</b>		
Employee Expenses		407.40
R&M Expenses		266.49
A&G Expenses		69.69
<b>Total O&amp;M Expenses</b>	<b>A</b>	<b>743.58</b>
One Month's O&M Expenses	$B = 1/12 \text{ of } A$	61.97
Book Value of Stores	C	14.94
One twelfth of the sum of book value of the material in stores	$D = 1/12 \text{ of } C$	1.24
Receivable equivalent to 60 days average billing of consumers	E	676.84
Less: Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	F	408.65
<b>Total Working Capital Requirement</b>	<b><math>G = B + D + E - F</math></b>	<b>331.40</b>
Interest rate	H	12.50%
<b>Interest on working capital</b>	<b><math>I = G \times H</math></b>	<b>41.42</b>

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 2012-13:

**Table 2-11: Allowable Interest and Finance Charges for FY 2012-13**

(All figures in Rs Crore)

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Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
<b>A: Interest on Long Term Loans</b>			
Gross Interest on Long Term Loan	129.49	197.05	203.12
Less: Interest Capitalisation	10.08	64.50	64.50
<b>Net Interest on Long Term Loans</b>	<b>119.41</b>	<b>132.55</b>	<b>138.63</b>
<b>B: Finance and Other Charges</b>			
Interest on Consumer Security Deposits	26.26	10.41	10.41
Bank Charges	0.93	0.07	0.07
Discount to Consumer	0.00	0.00	0.00
Finance Charges	6.84	0.00	0.00
<b>Total Finance Charges</b>	<b>34.03</b>	<b>10.47</b>	<b>10.47</b>
<b>C: Interest on Working Capital</b>	<b>41.70</b>	<b>672.99</b>	<b>41.42</b>
<b>Total (A+B+C)</b>	<b>195.14</b>	<b>816.02</b>	<b>190.53</b>

### 2.1.5 DEPRECIATION

The actual depreciation expense charged in the audited accounts is Rs. 131.55 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 2012-13 and at the rates approved by the Commission in the Tariff Order for FY 2012-13 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. 320.35 crore.

**Table 2-12: Gross Allowable Depreciation for FY 2012-13**

(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	-			-		-

  
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Particulars	Opening GFA	Additions to GFA	Deductions to GFA	Closing GFA	Depreciation Rates considered	Allowable Depreciation
Buildings	42.48	7.65	-	50.13	7.84%	3.63
Other Civil Works	-			-	7.84%	-
Plants & Machinery	898.77	589.99	428.89	1,059.86	7.84%	76.78
Lines, Cable Network etc.	1,096.19	181.00	8.40	1,268.79	7.84%	92.71
Vehicles	-	0.08	(0.00)	0.08	7.84%	0.00
Furniture & Fixtures	0.30	(0.00)	0.00	0.30	7.84%	0.02
Office Equipments	0.84	0.50	-	1.34	7.84%	0.09
Jeep & Motor Car	-			-	7.84%	-
Assets taken over from Licensees pending final Valuation	-			-		-
<b>Total</b>	<b>2,038.58</b>	<b>779.22</b>	<b>437.29</b>	<b>2,380.51</b>		<b>173.23</b>
Fixed Asset as per Transfer Scheme	1,876.52			1,876.52	7.84%	147.12
	-					
<b>GRAND TOTAL</b>	<b>3,915.10</b>	<b>779.22</b>	<b>437.29</b>	<b>4,257.03</b>	<b>7.84%</b>	<b>320.35</b>

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. 53.20 crore has been reduced from the allowable depreciation for FY 2012-13.

Thus the allowable depreciation for FY 2012-13 is Rs. 267.15 crore as depicted in the table below:

**Table 2-13: Net Allowable Depreciation for FY 2012-13**

(All figures in Rs Crore)

Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
Gross Allowable Depreciation	314.46	184.75	320.35
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	77.73	53.20	53.20
<b>Net Allowable Depreciation</b>	<b>236.73</b>	<b>131.55</b>	<b>267.15</b>

  
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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 2012-13. 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 2012-13, there has been recognition of prior period incomes of Rs. 54.15 crore and expenses of Rs 2.98 crore, thereby decreasing the eligible true-up by Rs. -51.17 crore.


The following table provides the detailed break-up of the prior period items for FY 2012-13 as per audited accounts

**Table 2-14: Prior Period Items for FY 2012-13**

(All Figures in Rs Crore)

Particulars	True-up Petition
<b>Income</b>	
Interest & Finance other Charges	2.13
Excess Provision for Depreciation	27.06
Excess Provision for Interest	24.95
<b>Sub-Total A</b>	<b>54.15</b>
<b>Expenditure</b>	
Employee Cost	0.50
Depreciation Previous Years	0.01
Interest & Finance Charges	1.28
Admn. Expenses	1.20
<b>Sub-Total B</b>	<b>2.98</b>
<b>Net prior period Credit/(Charges)</b>	<b>-51.17</b>

A statement providing the details of each item booked under prior period expenses and incomes with respect to the financial years to which they pertain has been provided in Annex-6.

  
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## 2.1.7 PROVISION FOR BAD AND DOUBTFUL DEBTS

The Tariff Order for FY 2012-13 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	4,117.43
% of Provision for Bad and Doubtful Debts	2%
Provision for Bad and Doubtful Debts	82.35

## 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. 4,300.59 crore for FY 2012-13. The audited accounts have reported the actual revenue from sale of power to be Rs. 4,117.43 crore (including delayed payment surcharge) towards electricity sales of 11,919.92 MU.

### 2.2.2 NON TARIFF INCOMES

The Petitioner submits that against the projected non tariff incomes of Rs. 122.76 crore in the Tariff Order, the actual non tariff incomes have been Rs. 17.27 crore.

### 2.2.3 GOUP SUBSIDY

In the Tariff Order for FY 2012-13, the Hon'ble Commission had projected the revenue subsidy from GoUP to be Rs. 1,575.95 crore. However the actual subsidy received from GoUP by the Petitioner is Rs. 999.72 crore.

### 2.2.4 AGGREGATE REVENUE REQUIREMENT FOR FY 2012-13 AFTER TRUING UP

The Aggregate Revenue Requirement for FY 2012-13 after final truing up is summarised in the Table below:


  
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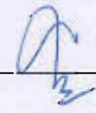


Table 2-16: ARR for FY 2012-13 after Final Truing Up

(All figures in Rs Crore)

Particulars	Approved	Actuals as per audited accounts	True-up Petition
Power Purchase Expenses	5807.72	5788.17	6433.29
Apportionment of O&M Expenses of UPPCL#	0.00	0.00	32.04
Transmission Charges	280.03	278.99	291.87
Employee Expenses	586.29	407.40	407.40
Repair and Maintenance Expenses	148.60	266.49	266.49
A&G Expenses	46.43	69.69	69.69
Gross Interest on Long Term Loans	129.49	197.05	203.12
Interest on Bonds	0.00	0.00	0.00
Interest to Consumer	26.26	10.41	10.41
Finance Charges	7.77	0.07	0.07
Interest on Working Capital	41.70	672.99	41.42
Discount to Consumers	0.04	0.00	0.00
Depreciation	236.73	131.55	267.15
Prior Period Expenses	0.00	-51.17	-51.17
Other Misc Expenses / Incomes	0.00	0.00	0.00
Provision for Bad and Doubtful Debts	0.00	65.39	82.35
<b>Gross Expenditure</b>	<b>7311.08</b>	<b>7837.03</b>	<b>8054.13</b>
Less: Employee Capitalisation	87.94	93.67	93.67
Less: A&G Capitalisation	6.97	11.60	11.60
Less: Interest Capitalisation	10.08	64.50	64.50
<b>Total Capitalisation</b>	<b>104.99</b>	<b>169.77</b>	<b>169.77</b>
<b>Net Expenditure</b>	<b>7206.08</b>	<b>7667.26</b>	<b>7884.37</b>
Add: Return on Equity	0.00	0.00	0.00
Less: Non-tariff Incomes	122.76	17.27	17.27
Add: Efficiency Gains	0.00	0.00	24.05
<b>Annual Revenue Requirement</b>	<b>7083.32</b>	<b>7649.99</b>	<b>7891.15</b>
Revenue from Tariff incl DPS	4300.59	4117.43	4117.43
GoUP Subsidy	1575.95	999.72	999.72
<b>Net Revenue Gap</b>	<b>1206.78</b>	<b>2532.84</b>	<b>2774.00</b>

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. 2,774.00 crore. The Petitioner humbly requests the Hon'ble Commission to consider the same along with the ARR for FY 2015-16.

  
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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 2013-14 (current year) and FY 2014-15 (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:

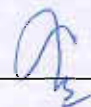
#### **3.1 ENHANCEMENT OF CAPACITY OF EXISTING 33KV SUBSTATIONS**

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.





### 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:



- 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.



#### 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 Gol 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.

  
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#### 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 Arial Bunched Conductors (ABC) which is less prone to theft.

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#### 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 2014-15 – REVISED ESTIMATES

The revised estimate in respect of capital expenditure being undertaken in FY 2014-15 is summarized in the table below:

**Table 4-1: Revised Estimates of Capital Expenditure in FY 2014-15 (Rs Crore)**

Particulars	Capital Expenditure			
	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
Earthling of Transformer	0.00	0.00		0.00



Particulars	Capital Expenditure			
	Loans	Equity / Internal Accruals	Deposit Works	Total
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			241.81	241.81
<b>Total</b>	<b>959.17</b>	<b>411.07</b>	<b>241.81</b>	<b>1612.05</b>

#### 4.10 PROPOSED CAPITAL INVESTMENT PLAN FOR FY 2015-16


The proposed capital expenditure for FY 2015-16 is summarized in the table below:

Table 4-2: Proposed 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	200Nos.	13.31	5.70		19.02

  
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Description	Qty	Capital Expenditure			
		Loans	Equity / Internal Accruals	Deposit Works	Total
station					
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		36.55	15.67		52.22
R- APDRP Part B		159.42	68.32		227.75
Deposit Works				320.70	320.70
<b>Total</b>		<b>1272.12</b>	<b>545.19</b>	<b>320.70</b>	<b>2138.02</b>

  
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## 5. COMPLIANCE OF HON'BLE COMMISSION'S DIRECTIVES

Hon'ble Commission had issued certain directives to the Petitioner in the Suo-motu Tariff Order dated 31.05.2013 and Tariff Order dated 01.10.2014. 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 31.05.2013**

Ref Sl No.	Description of Directive	Status of Compliance
1	The Commission directs the Licensee to pressingly pursue the proposal for allocation of PPAs to Discoms with GoUP and expedite the process of allocation.	The Petitioner humbly submits that the process of allocation of PPAs to the Discoms has already been sent to the GoUP for notification and the matter is still pending at their level.
5	The Commission directs the Licensee to pressingly pursue the GoUP for finalization of the Transfer Scheme and submit a copy of the same.	The Petitioner humbly submits that the matter is being handled through the holding company namely UPPCL on behalf of all the Discoms which is pressingly pursuing the matter with the GoUP for the finalization of the Transfer Scheme.
6	<p>The Commission reiterates its direction to the Licensee to ensure proper maintenance of detailed fixed assets registers as specified in the Distribution Tariff Regulations.</p> <p>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.</p> <p>The Commission understands that clearing the backlog would take substantive time. In order to ensure that fixed asset registers are timely and regularly prepared going forward, the Commission directs the Licensee to prepare the fixed asset registers duly accounting for the yearly capitalizations from FY 2012-13 onwards. The capitalization for the period before that may be shown on gross level basis. This dispensation is merely to ensure that the</p>	The Petitioner humbly submits that it has not been able to finalise the preparation of the FARs due to the huge backlog of previous financial years. The Petitioner humbly seeks time extension in this regard.

Ref Sl No.	Description of Directive	Status of Compliance
	proper asset registers capturing all necessary details of the asset, including the costs incurred, date of commissioning, location of asset, and all other technical details are maintained for the ensuing years. However, the Licensee would also be required to clear the backlog in a time bound manner. Upon finalization of the Transfer Scheme and clearing of backlog, the Licensee may update the fixed asset registers appropriately by passing necessary adjustments.	
8	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: <i>"Due to multiplicity of functional units as well as multiplicity of function at particular unit, employee cost and general &amp; administration expenses to capital works are capitalised @ 15% on distribution and deposit work, 11% on other works on the amount of total expenditure."</i>
9	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 the employees of the Licensee are not its core employees but common employees across all 4 Discoms, UPPTCL and UPPCL.
11	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. Appropriate directions have been issued to the field units to compile the sample cases based on such order issued by the licensee.
14	The Commission directs the Licensee to conduct benchmarking studies to determine the desired performance standards in accordance with Clause 2.1.8	The Petitioner submits that as per the Uttar Pradesh Electricity Regulatory Commission (Multi Year Distribution Tariff) Regulations, 2014 the benchmarking studies have to be completed by



Ref Sl No.	Description of Directive	Status of Compliance
	of the Distribution Tariff Regulations.	30.09.2015. Accordingly, the same would be completed in the stipulated timeframe.
15	<p>The Commission directs the Licensee to conduct proper loss estimate studies for assessment of technical and commercial losses under its supervision so that the Commission may set the base line losses in accordance with Clause 3.2.3 and Clause 3.2.4 of the Distribution Tariff Regulations and submit the report to the Commission.</p> <p>The study shall segregate voltage-wise distribution losses into technical loss (i.e. Ohmic/Core loss in the lines, substations and equipment) and commercial loss (i.e. unaccounted energy due to metering inaccuracies/inadequacies, pilferage of energy, improper billing, no billing, unrealized revenues etc.).</p>	The PFC Consulting Ltd has submitted a draft approach paper which is in discussion stage. Once the approach paper is finalised, the Petitioner would submit the same to the Hon'ble Commission.
17	The Commission directs the Licensee to conduct Cost of Service studies which would serve as a tool for alignment of costs and charges and submit details regarding the cost of service studies for each category or voltage level.	The PFC Consulting Ltd has submitted a draft approach paper which is in discussion stage. Once the approach paper is finalised, the Petitioner would submit the same to the Hon'ble Commission.
18	Commission directs the Licensee to submit a road map for 100% metering in its licensed area. However, based on the ground realities, if the Distribution Licensee seeks exemption towards its metering obligation for any particular category of consumers, it must provide the Commission revised norms specific for its supply area, based on fresh studies, for assessment of consumption for these categories. Sales forecast for un-metered categories shall be validated with norms approved by the Commission on the basis of above study carried out by the Licensee.	<p>The Petitioner submits that as per the Uttar Pradesh Electricity Regulatory Commission (Multi Year Distribution Tariff) Regulations, 2014 the study for assessment of metered and unmetered consumers has to be completed by 30.09.2015 and 31.12.2015 respectively.</p> <p>Accordingly, the same would be completed in the stipulated timeframe.</p>
19	The Commission directs the Licensee to install electronic meters in the residential	The Petitioner submits that Section 23 (7) of Electricity Reforms Act, 1999 provides that "terms

  
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Ref Sl No.	Description of Directive	Status of Compliance
	consumers under LMV-10 category and submit a progress report every month.	and condition of service of the personnel shall not be less favourable to the terms and condition which were applicable to them before the transfer". The same spirit has been echoed under first proviso of section 133 (2) of the Electricity Act, 2003. The benefits for employees / pensioners as provided in section 12 (b) (ii) of the Uttar Pradesh Reform Transfer Scheme, 2000 include "concessional rate of electricity", which means concession in rate of electricity to the extent it is not inferior to what was existing before 14th January, 2000.
21	The Commission directs the Licensee to reconcile the inter-unit balances lying unreconciled 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.
22	The Commission directs the Licensee to file submissions in respect of FPPCA in a timely and regular manner.	The Petitioner states that a decision on the Petition filed towards clarification/modification of the FPPCA formula is still pending with the Hon'ble Commission.  Once the final order of the Commission is issued, the Petitioner would file such submissions.


  
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Table 5-2: Status of Compliance of the Directives issued vide Order dated 01.10.2014

S. No	Description of Directive	Time Period for compliance	Status of Compliance
1	The Licensees are directed to arrange for quarterly meetings between the MDs of the Licensees and the consumer representatives for solving various grievances of the consumers and submit a status report containing details of such meetings along with the next ARR filing.	Immediate	The Petitioner humbly submits that the Tariff Order for FY 2014-15 was issued only recently. A status report for the quarter Oct-Dec and Jan-March would be submitted after the financial year-end in the month of April 2015.
2	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.	Immediate	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.
3	As regards the various complaints of the stakeholders brought to the notice of the Commission during public hearing, the Licensee is directed to look into the matters and take appropriate action on the same. Further, the Licensee must ensure that proper advertising regarding CGRF is done to bring awareness amongst the consumers. The chairperson of the CGRF should also be part of such public hearings so that a direct interaction may take place and the grievances of the consumers could be settled in a more appropriate manner	Immediate	The Petitioner has noted the directions of the Hon'ble Commission and appropriate action towards prompt address and disposal of consumer grievances has been initiated. The Petitioner also welcomes the suggestion of the Hon'ble Commission towards proper advertising of the CGRFs and is working towards it.
4	To provide accurate and effective consumption norms, the Commission directs the Petitioners to conduct a detailed study which should include all the relevant details pointed out by the Commission.	Within 6 months from issue of this Order	The Petitioner submits that as per the Uttar Pradesh Electricity Regulatory Commission (Multi Year Distribution Tariff) Regulations, 2014 the study for assessment of metered and unmetered consumers has to be completed by 30.09.2015 and 31.12.2015 respectively.

  
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S. No	Description of Directive	Time Period for compliance	Status of Compliance
			Accordingly, the same would be completed in the stipulated timeframe.
5	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 <sup>st</sup> 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.	3 months from issue of this Order	The Petitioner submits that the licensee is endeavouring to comply with the targets set by the Hon'ble Commission in terms of metering.  The roadmap for 100% metering is under preparation and would be submitted within the stipulated timeline.
6	The Commission directs the Distribution Licensees to formulate a mechanism so as to make their officials accountable by providing incentives or disincentives for achievement or non-achievement of the distribution loss and the collection efficiency targets. The Policy should include all the relevant details pointed out by the Commission in this Order	Within 2 months from the issue of this Order	The Petitioner humbly seeks some more time to comply with the directives of the Hon'ble Commission. However presently monthly review meetings are been conducted in the form of teleconference wherein the progress for each division is been monitored
7	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 within 2 months from the date of this Order.	Within 2 months from the date of issuance of this Order	The Petitioner humbly seeks some more time to comply with the directives of the Hon'ble Commission.
8	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 2015-16.	Next ARR filing	The Petitioner humbly submits that it has enclosed a detailed power procurement plan for the ensuing year FY 2015-16 along with the ARR Petition.
9	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	Immediate	The Petitioner states that a decision on the Petition filed towards clarification/modification of the FPPCA formula is still pending with the




S. No	Description of Directive	Time Period for compliance	Status of Compliance
	have to resort to take strict action against the Licensees.		Hon'ble Commission.  Once the final order of the Commission is issued, the Petitioner would file such submissions.
10	As regards the increasing number of unmetered consumers the Commission accords a final opportunity to the Distribution Licensees and directs them to ensure that all their unmetered consumers get converted into metered connection.	31 <sup>st</sup> March, 2015	The Petitioner is committed to the target set by the Hon'ble Commission in the Tariff Order for FY 2014-15 towards metering of consumers and is working towards it.
11	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.	Next ARR filing	The Petitioner is procuring power from various renewable energy sources such as bagasse based co-generation plants, small hydro power stations, biomass based renewable energy plants, solar, etc with a view to promote green energy sources and compliance with the UPERC RPO Obligations.
12	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	Next ARR filing	Wherever feasible (both technical and economical), the Petitioner is complying with the provisions of the Supply Code.
13	The Licensees are directed to provide the monthly MRI reports to all the applicable consumers through email. The consumers would be required to register their email to the Licensee and submit the status	Immediate	The MRI reports are being provided to the consumers. However, the possibilities of sending the same by email are being explored by the

S. No	Description of Directive	Time Period for compliance	Status of Compliance
	report on the same along with next ARR filing		Petitioner.
14	As regards the Petition on minimum consumption charges, the Licensee is directed to re-submit its above proposal for the Commission's consideration.	Next ARR Filing	The Petitioner submits that the proposed changes in the minimum consumption charges would be provided along with the proposed rate schedule for FY 2015-16.
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.	1 month from the date of issuance of this Order	<p>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.</p> <p>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.</p> <p>However, given the directive by the Hon'ble Commission, the Petitioner has instructed the field units to compile such information. The information made available by the field units would be compiled at the zonal</p>



S. No	Description of Directive	Time Period for compliance	Status of Compliance
			level and then zonal accounts would be compiled at the corporate level.  Given the complexity of this task, the Petitioner seeks waiver from immediate submission of this information.
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 2014-15.	By end of FY 2014-15	The details would be submitted at the end of the financial year as per the stipulated time period.
17	The Licensees are directed to depict the Regulatory Surcharge separately and distinctly in the electricity bills of the consumers. The Commission directs the Licensee to maintain separate accounting fields for both the regulatory surcharges approved vis-a vis the Commission's Order dated 6 <sup>th</sup> June, 2014 and that approved in this Order, and capture the two different amounts collected as Regulatory Surcharges in both of its financial and commercial statements. This would enable the Licensee to correctly report the amounts collected towards Regulatory Surcharges.	Immediate	Suitable instructions have been issued to the billing agents and field units to create a separate and distinct head under which the regulatory surcharges would be collected.
18	The Distribution Licensees are directed to submit the actual Regulatory Surcharge recovered in FY 2014-15 on account of the Revenue Gap / Regulatory Asset admitted by the Commission in this Order along with the actual Distribution Losses achieved in FY 2014-15 and additional target consumers added in FY 2014-15 by 15 <sup>th</sup> April, 2015.	By 15 <sup>th</sup> April, 2015	The Petitioner humbly states that it would be able to submit the figures of actual regulatory surcharge recovered in FY 2014-15 by 30 <sup>th</sup> June 2015. This is due to the reason that the commercial statements are finalised with a time lag of 2 months.

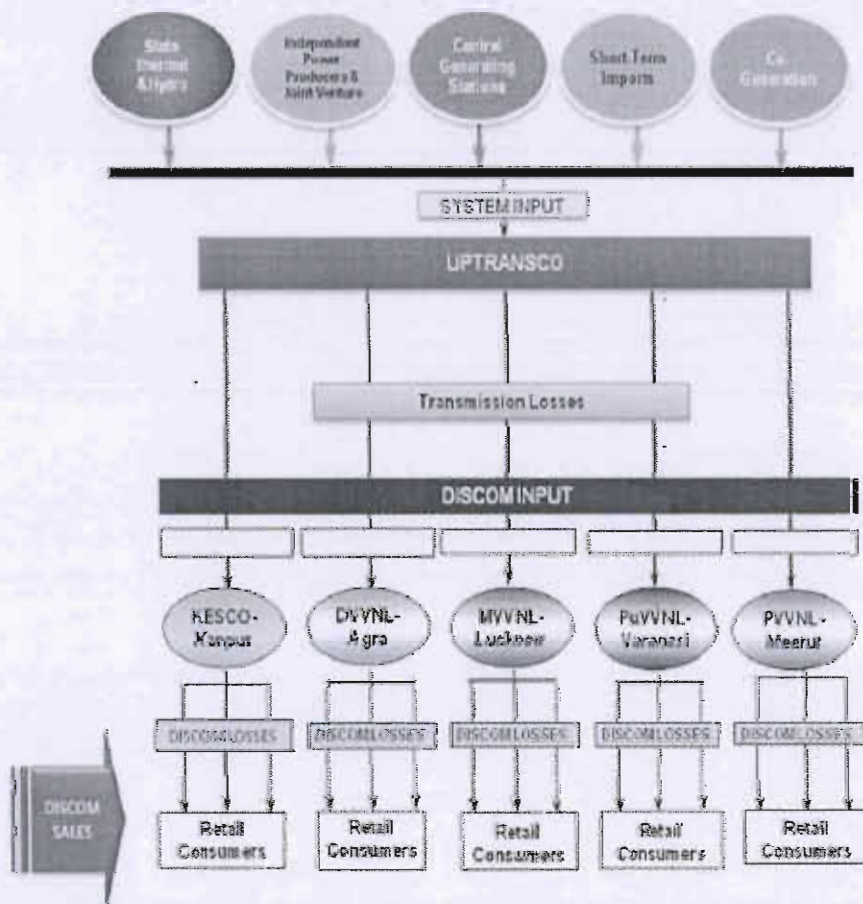
  
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## 6. LOAD FORECAST AND REVENUE ASSESSMENT

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 2006-07.
- b. Similar data for each consumer sub-category was tabulated for the years 2007-08 to 2013-14.
- c. 3 years' (2011-12 to 2013-14) 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**

Projected Approx. Running Hours			
Description	Base Year (2013-14)	2014-15	2015-16
Mahanagar – M	20:40	21:15	21:30
District – D	16:58	17:15	17:30
Commissionary - C	19:36	20:00	20:15
Rural – R	08:44	09:00	10:00
Bundelkhand – B	17:15	20:00	21:00
Projected Running Hours Factor			
Mahanagar – M	1.00	1.01	1.04
District – D	1.00	1.01	1.03
Commissionary - C	1.00	1.01	1.03
Rural – R	1.00	1.01	1.03
Bundelkhand – B	1.00	1.16	1.22

- 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 2013-14 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

  
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Sr.No	Category of Un-Metered Consumer	Units	Consumption of Energy Per Month
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 2013-14 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.

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**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 (2013-14)	2014-15	2015-16
PaVVNL (Retail)	23.06%	22.60%	22.15%
PuVVNL	24.73%	24.23%	23.55%
MVVNL	24.85%	23.86%	22.66%
DVVNL (Retail)	33.81%	33.13%	32.47%
KESCO	30.84%	27.66%	26.66%

**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 5.18%.

**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:

$$\text{Input Energy} = \text{Energy Billed} \div (1 - \% \text{ Technical \& Distribution Loss})$$

**6.1.8 SALES FORECASTS FOR 2014-15 & 2015-16**

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 2014-15: 96,669 MU
- Year 2015-16: 1,08,707 MU

Table 6-5: Energy Balance

Energy Balance	FY 2013-14 (Base Year)	FY 2014-15	FY 2015-16
<b>Purchases Required &amp; Billed Energy (MU)</b>			
Input Energy Requirement	83,795	96,669	108,707
Transmission losses%	7.41%	5.20%	5.18%
<b>Input Energy Requirement At DisCom Level</b>	<b>77,586</b>	<b>91,644</b>	<b>103,076</b>
Meerut	24,099	29,026	31,259
Agra	18,421	21,823	26,737
Lucknow	14,253	17,076	18,665
Varanasi	16,929	19,989	22,555
Bulk	3,884	3,729	3,860
<b>Consumer Sales (MU)</b>	<b>56,976</b>	<b>67,903</b>	<b>76,908</b>
Meerut	18,542	22,467	24,337
Agra	12,193	14,593	17,985
Lucknow	10,711	13,001	14,435
Varanasi	12,743	15,144	17,244
Bulk	2,788	2,698	2,907
<b>Distribution Losses (% of Energy Received)</b>	<b>26.56%</b>	<b>25.91%</b>	<b>25.39%</b>
Meerut	23.06%	22.60%	22.15%
Agra	33.81%	33.13%	32.47%
Lucknow	24.85%	23.86%	22.66%
Varanasi	24.73%	24.23%	23.55%
Bulk	28.22%	27.66%	26.66%

## 6.2 SALES FORECAST

The year 2014-15 is expected to see a substantial jump in the total availability of energy at the source power plant bus bars at around 96669 MU when compared to around 83795 MU in 2013-14 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 2015-16 is around 1,08,707 MU. The projected sales will be impacted by normal load growth and increased hours of supply.

  
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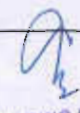


## a) LMV Consumers – Sub-category-wise

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	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	7%	6%	0%	0%	7%
	(ii) Metered	11%	6%	0%	0%	11%
	(B) Supply at Single Point for Bulk Load	-5%	-87%	0%	0%	1%
	(C1) Other Metered Domestic Consumers	6%	9%	0%	0%	8%
	(C2) Life Line Consumers/BPL	24%	118%	0%	0%	15%
SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)	7%	7%	6%	5%	
LMV--2	Rural					
	Urban					
	(A) Consumer getting supply as per "Rural Schedule"					
	(i) Un-metered	8%	9%	0%	0%	9%
	(ii) Metered	-7%	-2%	0%	0%	2%
	(B) Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-92%	0%	0%	0%	1%
	(C) Other Metered Non-Domestic Supply	12%	10%	0%	0%	12%
SUB TOTAL	NON DOMESTIC LIGHT FAN & POWER (LMV-2)	5%	6%	7%	6%	
LMV--3	A Rural					
	Urban					
	(A) Un-metered Supply					
	(i) Gram Panchayat	-1%	87%	0%	0%	-1%
	(ii) Nagar Palika & Nagar Panchayat	60%	53%	0%	0%	15%
	(iii) Nagar Nigam	-37%	-32%	0%	0%	-25%
	(B) Metered Supply					
	(i) Gram Panchayat	100%	-56%	0%	0%	50%
	(ii) Nagar Palika & Nagar Panchayat	145%	71%	0%	0%	20%
	(iii) Nagar Nigam	18%	63%	0%	0%	10%
SUB TOTAL	PUBLIC LAMPS (LMV-3)	53%	47%	35%	16%	
LMV--4	A Rural					

  
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SUPPLY TYPE	CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
	Urban					
	Rural					
B	Urban					
(A)	Public Institution(4 A)	12%	20%	0%	0%	12%
(B)	Private Institution(4 B)	17%	6%	0%	0%	12%
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>	<b>13%</b>	<b>16%</b>	<b>12%</b>	<b>12%</b>	
<b>LMV-5</b>	Rural					
	Urban					
(A)	Rural Schedule					
	(i) Un metered Supply	4%	-3%	0%	0%	4%
	(ii) Metered Supply	-15%	-17%	0%	0%	5%
(B)	Urban Schedule					
	(i) Metered Supply	11%	10%	0%	0%	10%
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>4%</b>	<b>-2%</b>	<b>4%</b>	<b>3%</b>	
<b>LMV-6</b>	Rural					
	Urban					
(A)	Small & Medium Power (Power Loom)					
	(i) Rural Schedule	-16%	-7%	0%	0%	5%
	(ii) Urban Schedule	-11%	-1%	0%	0%	5%
(B)	Small & Medium Power					
	(i) Rural Schedule	23%	7%	0%	0%	10%
	(ii) Urban Schedule	1%	1%	0%	0%	8%
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>2%</b>	<b>1%</b>	<b>4%</b>	<b>3%</b>	
<b>LMV-7</b>	Rural					
	Urban					
(A)	Rural Schedule					
	(i) Jal Nigam	9%	8%	0%	0%	9%
	(ii) Jal Sansthan	-14%	0%	0%	0%	0%
	(iii) Others (Water Works)	-17%	-3%	0%	0%	0%
(B)	Urban Schedule					
	(i) Jal Nigam	7%	31%	0%	0%	7%
	(ii) Jal Sansthan	3%	7%	0%	0%	3%
	(iii) Others (Water Works)	5%	28%	0%	0%	5%
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>4%</b>	<b>11%</b>	<b>9%</b>	<b>7%</b>	
<b>LMV-8</b>	Rural					
	Urban					
(A)	Metered Supply	352%	-3%	0%	0%	15%
(B)	Un-metered Supply					
	(i) STW, Panchayat Raj, WB,	-1%	1%	0%	0%	-1%



SUPPLY TYPE	CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
	I.Duch, P.Canals, LI upto 100 BHP					
	(ii) Laghu Dal Nahar above 100 BHP	33%	19%	0%	0%	10%
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	
<b>LMV-9</b>	Rural					
	Urban					
	(A) Metered Supply					
	(i) Individual Residential Consumers	14%	0%	0%	0%	12%
	(ii) Others	0%	-100%	0%	0%	3%
	(B) Un-metered Supply					
	(i) Ceremonies	-85%				0%
	(ii) Temporary Shops	0%	-100%	0%	0%	0%
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>-47%</b>	<b>18%</b>	<b>-4%</b>	<b>-4%</b>	
<b>LMV-10</b>	(A) Serving					
	(i) Class IV Employees	-9%	-5%	0%	0%	2%
	(ii) Class III Employees	-6%	1%	0%	0%	2%
	(iii) Junior Engineers & Equivalent	2%	-18%	0%	0%	2%
	(iv) Assistant Engineers & Equivalent	1%	36%	0%	0%	1%
	(v) Executive Engineers & Equivalent	1%	-15%	0%	0%	1%
	(vi) Deputy General Manager & Equivalent	10%	11%	0%	0%	10%
	(vii) CGM/GM & Equivalent posts and above	13%	19%	0%	0%	13%
	(B) Total Pensioner & Family Pensioner	21%	15%	0%	0%	15%
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>8%</b>	<b>6%</b>	<b>0%</b>	<b>0%</b>	

## 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	Category	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
<b>HV--1</b>	Rural					
	Urban					
	(A) Urban Schedule					

SUPPLY TYPE	Category	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
	(i) For supply at 11kV	0%	0%	0%	0%	10%
	(ii) For supply above 11kV and upto & Including 66kV	0%	0%	0%	0%	12%
	(iii) For supply above 66kV and upto & Including 132kV	0%	0%	0%	0%	0%
	(iv) For supply above 132kV	0%	0%	0%	0%	0%
	(B) Rural Schedule					
	(i) For supply at 11kV	0%	0%	0%	0%	15%
	(ii) For supply above 11kV and upto & Including 66kV	0%	0%	0%	0%	0%
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	
<b>HV--2</b>	Rural					
	Urban					
	(A) Urban Schedule					
	(i) For supply at 11kV	0%	0%	0%	0%	8%
	(ii) For supply above 11kV and upto & Including 66kV	0%	0%	0%	0%	5%
	(iii) For supply above 66kV and upto & Including 132kV	0%	0%	0%	0%	5%
	(iv) For supply above 132kV	0%	0%	0%	0%	0%
	(B) Rural Schedule					
	(i) For supply at 11kV	0%	0%	0%	0%	5%
	(ii) For supply above 11kV and upto & Including 66kV	0%	0%	0%	0%	1%
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	
<b>HV--3</b>	Rural					
	Urban					
	(A) For supply at the above 132kV	0%	0%	0%	0%	10%
	(B) For supply below 132kV	0%	0%	0%	0%	2%
	(C) For Metro Traction	0%	0%	0%	0%	0%
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	
<b>HV--4</b>	Rural					
	Urban					
	(A) For supply at 11kV	0%	0%	0%	0%	5%
	(B) For supply above 11kV and upto 66kV	0%	0%	0%	0%	10%
	(C) For supply above 66kV and upto 132kV	0%	0%	0%	0%	0%
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	
<b>EXTRA STATE</b>	Rural					

  
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SUPPLY TYPE	Category	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
	Urban					
(A)	EXTRA STATE & OTHERS	0%	0%	0%	0%	2%
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	
<b>BULK</b>	Rural					
	Urban					
(A)	NPCL	0%	0%	0%	0%	0%
(B)	KESCO	0%	0%	0%	0%	0%
<b>SUB TOTAL</b>	<b>BULK SUPPLY</b>					
	<b>GRAND TOTAL</b>					

## 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

SUPPLY TYPE	CATEGORY	Previous -3	Previous -2	Previous -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	1.661	1.636
	(ii) Metered	1.406	1.317	1.253	1.392	1.406
(B)	Supply at Single Point for Bulk Load	375.455	375.5	328.0	1.1	1.1
(C1)	Other Metered Domestic Consumers	1.839	1.863	1.901	1.811	1.901
(C2)	Life Line Consumers/BPL	1.469	0.876	1.000	1.201	1.469
<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>1.653</b>	<b>1.663</b>	<b>1.625</b>	<b>1.656</b>	<b>1.663</b>
LMV--2	Rural					
	Urban					
(A)	Consumer getting supply as per "Rural Schedule"					
	(i) Un-metered	2.094	2.392	2.042	2.185	2.392
	(ii) Metered	2.131	2.268	2.407	2.248	2.407
(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	2.063	10.750	-	-	-
(C)	Other Metered Non-Domestic Supply	2.543	2.563	2.477	2.584	2.584
<b>SUB</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER</b>	<b>2.322</b>	<b>2.440</b>	<b>2.367</b>	<b>2.396</b>	<b>2.440</b>


SUPPLY TYPE	CATEGORY	Previous -3	Previous -2	Previous -1	Current Year	Assumed
<b>TOTAL (LMV-2)</b>						
<b>LMV--3</b>						
A	Rural					
	Urban					
(A)	Un-metered Supply					
	(i) Gram Panchyat	4.644	4.788	4.333	6.485	6.485
	(ii) Nagar Palika & Nagar Panchyat	23.932	21.491	9.250	15.367	15.367
	(iii) Nagar Nigam	442.500	631.250	1,253.250	1,326.400	1,326.400
(B)	Metered Supply					
	(i) Gram Panchyat	1,337.000	-	16.000	-	16.000
	(ii) Nagar Palika & Nagar Panchyat	27.545	53.148	9.147	59.826	40.707
	(iii) Nagar Nigam	1,450.400	1,208.643	1,273.143	1,558.727	1,558.727
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>	<b>42.800</b>	<b>45.353</b>	<b>21.002</b>	<b>32.960</b>	<b>21.002</b>
<b>LMV--4</b>						
A	Rural					
	Urban					
B	Rural					
	Urban					
(A)	Public Institution(4 A)	21.422	10.297	10.929	9.479	9.479
(B)	Private Institution(4 B)	9.817	8.079	7.696	8.462	8.462
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>	<b>19.289</b>	<b>9.758</b>	<b>10.286</b>	<b>9.303</b>	<b>10.286</b>
<b>LMV--5</b>						
	Rural					
	Urban					
(A)	Rural Schedule					
	(i) Un metered Supply	6.067	5.370	5.274	5.427	5.427
	(ii) Metered Supply	3.866	3.581	3.791	4.359	4.359
(B)	Urban Schedule					
	(i) Metered Supply	6.086	6.236	5.550	6.228	6.236
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>6.065</b>	<b>5.393</b>	<b>5.282</b>	<b>5.446</b>	<b>6.065</b>
<b>LMV--6</b>						
	Rural					
	Urban					
(A)	Small & Medium Power (Power Loom)					
	(i) Rural Schedule	8.120	6.599	7.212	7.316	7.316
	(ii) Urban Schedule	8.164	8.319	7.856	7.748	8.319
(B)	Small & Medium Power					
	(i) Rural Schedule	6.683	7.732	7.944	7.712	7.944
	(ii) Urban Schedule	11.468	11.016	11.132	11.410	11.468
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>8.621</b>	<b>8.577</b>	<b>8.655</b>	<b>8.627</b>	<b>8.655</b>

  
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SUPPLY TYPE	CATEGORY	Previous -3	Previous -2	Previous -1	Current Year	Assumed
LMV--7	Rural					
	Urban					
(A)	Rural Schedule					
	(i) Jal Nigam	34.101	33.378	33.518	33.294	33.397
	(ii) Jal Sansthan	207.357	219.642	270.558	241.254	270.558
	(iii) Others (Water Works)	30.000	37.159	44.387	20.476	44.387
(B)	Urban Schedule					
	(i) Jal Nigam	23.692	25.940	27.163	34.078	27.718
	(ii) Jal Sansthan	50.120	50.611	56.447	54.248	52.857
	(iii) Others (Water Works)	32.146	29.981	29.254	29.627	30.252
SUB TOTAL	PUBLIC WATER WORKS(LMV-7)	41.593	42.269	43.824	43.432	43.824
LMV--8	Rural					
	Urban					
(A)	Metered Supply	18.333	30.000	21.897	29.167	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	17.978	17.978
	(ii) Laghu Dal Nahar above 100 BHP	83.891	167.377	46.361	73.669	46.361
SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	17.127	18.274	18.537	18.831	18.831
LMV--9	Rural					
	Urban					
(A)	Metered Supply					
	(i) Individual Residential Consumers	31.795	27.949	31.474	2.000	31.795
	(ii) Others	-	-	-	-	-
(B)	Un-metered Supply					
	(i) Ceremonies	5.000	90.400	13.000	12.500	13.000
	(ii) Temporary Shops	-	-	-	-	-
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)	10.384	31.711	30.262	2.764	30.262
LMV--10	(A) Serving					
	(i) Class IV Employees	3.191	2.350	3.212	2.614	3.212
	(ii) Class III Employees	2.378	2.384	2.633	2.773	2.773
	(iii) Junior Engineers & Equivalent	4.885	3.792	3.790	3.894	4.885
	(iv) Assistant Engineers & Equivalent	3.414	3.400	3.411	4.203	4.203

SUPPLY TYPE	CATEGORY	Previous -3	Previous -2	Previous -1	Current Year	Assumed
	(v) Executive Engineers & Equivalent	7.000	6.809	6.907	6.320	7.000
	(vi) Deputy General Manager & Equivalent	7.120	6.633	6.633	5.780	7.120
	(vii) CGM/GM & Equivalent posts and above	6.364	2.046	5.714	5.263	6.364
(B)	Total Pensioner & Family Pensioner	1.591	1.731	1.979	1.988	1.988
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>2.360</b>	<b>2.132</b>	<b>2.431</b>	<b>2.352</b>	<b>2.431</b>

  
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## 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

VARANASI DISCOM		Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	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\	Un-metered	Assumed
LMV--1	Rural												
	Urban												
	(A) Consumer getting supply as per "Rural Schedule"												
	(i) Un-metered	1286	1298	1341	1283	1341	841	801	809	801	841	864	864
	(ii) Metered	1450	1523	1677	1387	1677	1106	1083	1273	1107	1273		1387
	(B) Supply at Single Point for Bulk Load	2553	1903909	1090909	500800	1903909	1502	5071	2906	1527	5071		500800
	(C1) Other Metered Domestic Consumers	2667	2710	2832	2912	2912	1609	1474	1520	1532	1609		2912
	(C2) Life Line Consumers/BPL	1035	661	1045	1317	1317	1054	450	1193	1317	1317		1317
SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)	1685	1711	1796	1727		1096	1035	1080	1063			
LMV--2	Rural												
	Urban												
	(A) Consumer getting supply as per "Rural Schedule"												
	(i) Un-metered	1671	1575	1669	1517	1671	840	752	698	743	840	864	864
	(ii) Metered	3037	2902	3640	4359	4359	1536	1362	1605	1811	1811		1811
	(B) Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	3021	510	1250000	2079500	2079500	1465	247	116279	180826	180826		197147
	(C) Other Metered Non-Domestic Supply	3878	3511	3291	2900	3878	1522	1381	1284	1171	1522		1171
SUB	NON DOMESTIC LIGHT FAN &	3203	2915	3101	3010		1413	1256	1271	1272			

VARANASI DISCOM			Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	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\	Un-metered	Assumed
<b>TOTAL</b>	<b>POWER (LMV-2)</b>													
<b>LMV--3</b>	A	Rural												
		Urban												
	(A)	Un-metered Supply												
	(i)	Gram Panchayat	19637	16074	20833	18029	20833	3346	3461	4351	4160	4351	3600	3600
	(ii)	Nagar Palika & Nagar Panchayat	82034	70987	66339	29922	82034	3358	2966	3087	3235	3358	4320	4320
	(iii)	Nagar Nigam	1713269	1533900	2250000	4071750	4071750	3556	3466	3564	3249	3564	4320	4320
	(B)	Metered Supply												
	(i)	Gram Panchayat	167700	712000	-	21000	712000	3397	533	-	1313	3397		1313
	(ii)	Nagar Palika & Nagar Panchayat	246762	97170	333333	27569	333333	4092	3528	6272	3014	6272		3014
	(iii)	Nagar Nigam	2995648	5511800	4428571	4939786	5511800	4136	3800	3664	3880	4136		3880
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>		<b>160644</b>	<b>143839</b>	<b>169909</b>	<b>74291</b>		<b>3745</b>	<b>3361</b>	<b>3746</b>	<b>3537</b>			
<b>LMV--4</b>	A	Rural												
		Urban												
	B	Rural												
		Urban												
	(A)	Public Institution(4 A)	59029	40171	33766	30950	59029	3390	1875	3279	2832	3390		2832
	(B)	Private Institution(4 B)	24165	25252	17544	17984	25252	1977	2572	2171	2337	2572		2337
<b>SUB TOTAL</b>	<b>LIGHT FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>		<b>50099</b>	<b>37429</b>	<b>29826</b>	<b>28371</b>		<b>3115</b>	<b>1940</b>	<b>3056</b>	<b>2758</b>			
<b>LMV--5</b>		Rural												
		Urban												
	(A)	Rural Schedule												
	(i)	Un metered Supply	4862	4914	5450	5168	5450	1047	810	1015	980	1047	1099.92	1100
	(ii)	Metered Supply	5587	9034	11628	49209	49209	1229	2337	3247	12982	12982		12982



VARANASI DISCOM		Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	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\	Un-metered	Assumed
	(B) Urban Schedule												
	(i) Metered Supply	6252	9033	11314	7947	11314	1028	1484	1814	1432	1814		1432
SUB TOTAL	PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	4912	5032	5618	5283		1049	830	1042	1000			
LMV--6	Rural												
	Urban												
	(A) Small & Medium Power (Power Loom)												
	(i) Rural Schedule	10295	7480	13773	8145	13773	1357	921	2087	1129	2087		1129
	(ii) Urban Schedule	13568	9383	18813	14554	18813	1727	1149	2262	1853	2262		1853
	(B) Small & Medium Power												
	(i) Rural Schedule	8685	10089	7313	8748	10089	1265	1510	946	1101	1510		1101
	(ii) Urban Schedule	18146	18523	16289	15923	18523	1580	1615	1479	1430	1615		1430
SUB TOTAL	SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	12266	11615	12046	11233		1461	1347	1404	1298			
LMV--7	Rural												
	Urban												
	(A) Rural Schedule												
	(i) Jal Nigam	122121	137656	159912	142029	159912	3394	4037	4791	4237	4791		4237
	(ii) Jal Sansthan	642565	710886	910448	1105058	1105058	3713	3428	4145	4084	4145		4145
	(iii) Others (Water Works)	101987	67487	96552	135019	135019	3417	2250	2598	3042	3417		3042
	(B) Urban Schedule												
	(i) Jal Nigam	149163	120524	121277	142746	149163	3586	5087	4675	5255	5255		5255
	(ii) Jal Sansthan	250670	321700	343038	325931	343038	4717	6419	6778	5774	6778		5774
	(iii) Others (Water Works)	170295	186938	113924	137944	186938	3985	5815	3800	4715	5815		4715
SUB TOTAL	PUBLIC WATER WORKS(LMV-7)	183095	203185	222965	213485		3916	4885	5275	4871			
LMV--8	Rural												
	Urban												
	(A) Metered Supply	91493	268778	2857143	169174	2857143	2461	14661	95238	7726	95238		7726

VARANASI DISCOM		Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	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\	Un-metered	Assumed
(B)	Un-metered Supply												
	(i) STW Panchayat Raj WB I.Duch P.Canals LI upto 100 BHP	62831	60621	70497	75764	75764	3366	3735	4054	4256	4256	42748.2	42748
	(ii) Laghu Dal Nahar above 100 BHP	317801	411686	1213115	274283	1213115	4040	4907	7248	5916	7248	42748.2	42748
SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	66313	65437	79056	82001		3388	3821	4326	4424			
LMV--9	Rural												
	Urban												
(A)	Metered Supply												
	(i) Individual Residential Consumers	215238	170273	102564	197509	215238	7986	5355	3670	6275	7986		6275
	(ii) Others	186425	-	-	-	186425	6416	-	-	-	6416		6416
(B)	Un-metered Supply												
	(i) Ceremonies	559368	1514	200000	70250	559368	3350	303	2212	5404	5404		5404
	(ii) Temporary Shops	90164	-	-	-	90164	2913	-	-	-	2913		2913
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)	241682	35420	108434	189164		4094	3411	3419	6251			
LMV--10	(A) Serving												
	(i) Class IV Employees	2273	2180	2497	2902	2902	1147	683	1062	904	1147		2902
	(ii) Class III Employees	2612	2234	2454	2807	2807	1180	939	1029	1066	1180		2807
	(iii) Junior Engineers & Equivalent	6750	5573	7417	6882	7417	1717	1141	1956	1816	1956		6882
	(iv) Assistant Engineers & Equivalent	5828	7480	9029	8612	9029	2074	2191	2656	2525	2656		8612
	(v) Executive Engineers &	13352	14771	18182	18241	18241	2362	2110	2670	2641	2670		18241




VARANASI DISCOM		Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	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\	Un-metered	Assumed
	Equivalent												
	(vi) Deputy General Manager & Equivalent	20422	19640	33333	15833	33333	2874	2758	5025	2387	5025		15833
	(vii) CGM/GM & Equivalent posts and above	2136	53636	894	20071	53636	1184	8429	437	3513	8429		20071
	(B) Total Pensioner & Family Pensioner	1897	1698	1919	2668	2668	1243	1067	1108	1348	1348		2668
SUB TOTAL	DEPARTMENTAL EMPLOYEES (LMV-10)	2695	2434	2631	3195		1349	1031	1234	1314			
HV--1	Rural												
	Urban												
	(A) Urban Schedule												
	(i) For supply at 11kV	686360	805311	610778	567617	805311	2246	2340	2044	1766	2340		1766
	(ii) For supply above 11kV and upto & Including 66kV	9750761	56966500	20500000	8327200	56966500	5191	9738	3504	3425	9738		3425
	(iii) For supply above 66kV and upto & Including 132kV	11953846	7696500	-	-	11953846	447	265	-	-	447		265
	(iv) For supply above 132kV	7848000	-	-	-	7848000	445	-	-	-	445		445
	(B) Rural Schedule												
	(i) For supply at 11kV	378831	141800	250000	1113727	1113727	1845	1363	730	3280	3280		3280
	(ii) For supply above 11kV and upto & Including 66kV	913200	865000	250000	-	913200	2961	3366	888	-	3366		888
SUB TOTAL	NON INDUSTRIAL BULK LOADS (HV-1)	2714126	2535549	783069	757096		2306	1968	2178	2097			
HV--2	Rural												

VARANASI DISCOM		Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	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\	Un-metered	Assumed
	Urban												
(A)	Urban Schedule												
	(i) For supply at 11kV	821239	641891	668421	646153	821239	2940	2537	2789	2746	2940		2746
	(ii) For supply above 11kV and upto & Including 66kV	4080376	4769118	5509091	8408256	8408256	4074	3209	3547	3233	4074		3233
	(iii) For supply above 66kV and upto & Including 132kV	15593412	12350857	12571429	7949286	15593412	2739	896	1009	711	2739		711
	(iv) For supply above 132kV	1263429	-	-	-	1263429	1100	-	-	-	1100		1100
(B)	Rural Schedule												
	(i) For supply at 11kV	747173	546256	654639	840471	840471	2292	1582	1884	2368	2368		2368
	(ii) For supply above 11kV and upto & Including 66kV	7794000	7502588	6058824	6475188	7794000	4740	3729	3011	3038	4740		3038
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	1408049	1157159	1188612	1208549		3232	2226	2439	2451			
HV--3	Rural												
	Urban												
(A)	For supply at the above 132kV	128633455	150151000	227000000	66714000	227000000	3599	3014	19782	3253	19782		3253
(B)	For supply below 132kV	197382000	-	202000000	204343000	204343000	2759	-	3367	2620	3367		2620
(C)	For Metro Traction	-	-	18000000	-	18000000	-	-	231	-	231		231
SUB TOTAL	RAILWAY TRACTION (HV-3)	152897647	150151000	149000000	94239800		3160	3014	2990	2944			
HV--4	Rural												
	Urban												
(A)	For supply at 11kV	6006715	6488422	6511111	5749200	6511111	4662	1835	5593	5167	5593		5167



VARANASI DISCOM			Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis					
SUPPLY TYPE	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\	Un-metered	Assumed
	(B) For supply above 11kV and upto 66kV	15520898	20661000	21933333	22264133	22264133	5799	6662	6068	6160	6662		6160
	(C) For supply above 66kV and upto 132kV	25344000	-	-	-	25344000	45257	-	-	-	45257		45257
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)	8657766	9851407	10366667	9877933		5199	2870	5835	5683			
EXTRA STATE	Rural												
	Urban												
	(A) EXTRA STATE & OTHERS	101333	133333	-	6000	133333	105	128	-	10	128		10
SUB TOTAL	EXTRA STATE CONSUMERS	101333	133333	-	6000		105	128	-	10			
BULK	Rural												
	Urban												
	(A) NPCL	-	-	-	-	-	-	-	-	-	-		-
	(B) KESCO	-	-	-	-	-	-	-	-	-	-		-
SUB TOTAL	BULK SUPPLY	-	-	-	-	-	-	-	-	-	-		-

  
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## 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

SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
		Rural			
		Urban			
LMV-1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	1,933,053	1,739,748	1,353,137
	(ii)	Metered	378,057	751,259	2,037,350
	(B)	Supply at Single Point for Bulk Load	22,329	22,552	22,778
	(C1)	Other Metered Domestic Consumers	819,927	869,123	921,270
	(C2)	Life Line Consumers/BPL	56,283	67,540	81,048
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>3,209,649</b>	<b>3,450,221</b>	<b>4,415,583</b>
		Rural	-	-	-
		Urban	-	-	-
LMV-2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	72,581	79,113	86,233
	(ii)	Metered	97,570	99,521	101,512
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	158,155	165,206	172,571
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>328,306</b>	<b>343,841</b>	<b>360,317</b>
	A	Rural	-	-	-
		Urban	-	-	-
LMV-3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	303	312	321
	(ii)	Nagar Palika & Nagar Panchyat	971	1,117	1,284
	(iii)	Nagar Nigam	5	6	6
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	69	79	91



SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
		(iii) Nagar Nigam	11	12	12
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,359	1,525	1,715
	A	Rural	-	-	-
		Urban	-	-	-
	B	Rural	-	-	-
		Urban	-	-	-
LMV--4	(A)	Public Institution(4 A)	14,582	16,040	17,644
	(B)	Private Institution(4 B)	3,065	2,912	2,766
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	17,647	18,952	20,410
		Rural	-	-	-
		Urban	-	-	-
LMV--5	(A)	Rural Schedule	-	-	-
	(i)	Un metered Supply	202,902	202,902	202,902
	(ii)	Metered Supply	170	204	245
	(B)	Urban Schedule	-	-	-
	(i)	Metered Supply	5,189	5,708	6,279
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	208,261	208,814	209,425
		Rural	-	-	-
		Urban	-	-	-
LMV--6	(A)	Small & Medium Power (Power Loom)	-	-	-
	(i)	Rural Schedule	5,300	5,565	5,843
	(ii)	Urban Schedule	5,652	6,782	8,139
	(B)	Small & Medium Power	-	-	-
	(i)	Rural Schedule	17,293	18,158	19,066
	(ii)	Urban Schedule	9,966	10,464	10,988
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	38,211	40,969	44,035
		Rural	-	-	-
		Urban	-	-	-
LMV--7	(A)	Rural Schedule	-	-	-
	(i)	Jal Nigam	1,039	1,108	1,182
	(ii)	Jal Sansthan	67	68	70
	(iii)	Others (Water Works)	185	204	224
	(B)	Urban Schedule	-	-	-
	(i)	Jal Nigam	511	562	618

  
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SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
		(ii) Jal Sansthan	754	792	831
		(iii) Others (Water Works)	134	141	148
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>2,690</b>	<b>2,875</b>	<b>3,073</b>
		Rural	-	-	-
		Urban	-	-	-
LMV--8	(A)	Metered Supply	6	6	7
	(B)	Un-metered Supply	-	-	-
	(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	10,753	11,238	11,744
	(ii)	Laghu Dal Nahar above 100 BHP	166	183	201
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>10,925</b>	<b>11,427</b>	<b>11,952</b>
		Rural	-	-	-
		Urban	-	-	-
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	51	56	62
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	4	4	4
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>55</b>	<b>60</b>	<b>66</b>
LMV--10	(A)	Serving			
	(i)	Class IV Employees	4,077	4,159	4,242
	(ii)	Class III Employees	4,163	4,246	4,331
	(iii)	Junior Engineers & Equivalent	848	865	882
	(iv)	Assistant Engineers & Equivalent	477	482	487
	(v)	Executive Engineers & Equivalent	128	134	141
	(vi)	Deputy General Manager & Equivalent	41	46	51
	(vii)	CGM/GM & Equivalent posts and above	19	22	25
	(B)	Total Pensioner & Family Pensioner	15,700	18,055	20,763
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>25,453</b>	<b>28,009</b>	<b>30,923</b>

  
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SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
		Rural	-	-	-
		Urban	-	-	-
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	283	311	342
	(ii)	For supply above 11kV and upto & Including 66kV	6	7	8
	(iii)	For supply above 66kV and upto & Including 132kV	-	-	-
	(iv)	For supply above 132kV	-	-	-
	(B)	Rural Schedule			
	(i)	For supply at 11kV	11	13	15
	(ii)	For supply above 11kV and upto & Including 66kV	-	-	-
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>300</b>	<b>331</b>	<b>365</b>
		Rural	-	-	-
		Urban	-	-	-
HV--2	(A)	Urban Schedule			
	(i)	For supply at 11kV	734	793	856
	(ii)	For supply above 11kV and upto & Including 66kV	35	37	39
	(iii)	For supply above 66kV and upto & Including 132kV	7	7	8
	(iv)	For supply above 132kV	-	-	-
	(B)	Rural Schedule			
	(i)	For supply at 11kV	109	114	120
	(ii)	For supply above 11kV and upto & Including 66kV	14	14	14
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>899</b>	<b>965</b>	<b>1,037</b>
		Rural	-	-	-
		Urban	-	-	-
HV--3	(A)	For supply at the above 132kV	4	4	5
	(B)	For supply below 132kV	1	1	1
	(C)	For Metro Traction	-	-	-
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>5</b>	<b>5</b>	<b>6</b>

SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
		Rural	-	-	-
		Urban	-	-	-
HV--4	(A)	For supply at 11kV	40	42	44
	(B)	For supply above 11kV and upto 66kV	17	19	21
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)		57	61	65
		Rural	-	-	-
		Urban	-	-	-
EXTRA STATE	(A)	EXTRA STATE & OTHERS	2	2	2
SUB TOTAL	EXTRA STATE CONSUMERS		2	2	2
		Rural	-	-	-
		Urban	-	-	-
BULK	(A)	NPCL	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL	BULK SUPPLY		-	-	-
	GRAND TOTAL		3,843,819	4,108,056	5,098,973

## 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


SUPPLY TYPE	CATEGORY	Base Year	Year 1	Year 2
LMV--1	Rural			
	Urban			
	(A) Consumer getting supply as per "Rural Schedule"			
	(i) Un-metered	3,209,848	2,845,578	2,213,228
	(ii) Metered	526,421	1,056,617	2,865,458
	(B) Supply at Single Point for Bulk Load	25,515	25,770	26,028
	(C1) Other Metered Domestic Consumers	1,484,956	1,652,073	1,751,197
	(C2) Life Line Consumers/BPL	67,614	99,237	119,084
<b>SUB</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>5,314,354</b>	<b>5,679,275</b>	<b>6,974,994</b>



SUPPLY TYPE	CATEGORY	Base Year	Year 1	Year 2
<b>TOTAL</b>				
LMV--2	Rural	-	-	-
	Urban	-	-	-
(A)	Consumer getting supply as per "Rural Schedule"	-	-	-
	(i) Un-metered	158,612	189,214	206,243
	(ii) Metered	219,350	239,518	244,308
(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
(C)	Other Metered Non-Domestic Supply	408,740	426,963	445,998
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>786,702</b>	<b>855,695</b>	<b>896,549</b>
LMV--3	A Rural	-	-	-
	Urban	-	-	-
(A)	Un-metered Supply	-	-	-
	(i) Gram Panchyat	1,965	2,024	2,085
	(ii) Nagar Palika & Nagar Panchyat	14,921	17,159	19,733
	(iii) Nagar Nigam	6,632	7,295	8,025
(B)	Metered Supply	-	-	-
	(i) Gram Panchyat	-	-	-
	(ii) Nagar Palika & Nagar Panchyat	4,128	3,230	3,715
	(iii) Nagar Nigam	17,146	18,003	18,903
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>	<b>44,792</b>	<b>47,712</b>	<b>52,461</b>
LMV--4	A Rural	-	-	-
	Urban	-	-	-
B	Rural	-	-	-
	Urban	-	-	-
(A)	Public Institution(4 A)	138,227	152,050	167,255
(B)	Private Institution(4 B)	25,937	24,640	23,408
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>	<b>164,164</b>	<b>176,690</b>	<b>190,663</b>
LMV--5	Rural	-	-	-
	Urban	-	-	-
(A)	Rural Schedule	-	-	-
	(i) Un metered Supply	1,101,156	1,101,156	1,101,156
	(ii) Metered Supply	741	889	1,067
(B)	Urban Schedule	-	-	-

  
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SUPPLY TYPE	CATEGORY	Base Year	Year 1	Year 2
	(i) Metered Supply	32,318	35,595	39,154
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>1,134,215</b>	<b>1,137,640</b>	<b>1,141,377</b>
<b>LMV--6</b>	Rural	-	-	-
	Urban	-	-	-
(A)	Small & Medium Power (Power Loom)	-	-	-
	(i) Rural Schedule	38,774	40,713	42,748
	(ii) Urban Schedule	43,793	56,421	67,705
(B)	Small & Medium Power	-	-	-
	(i) Rural Schedule	133,368	144,248	151,461
	(ii) Urban Schedule	113,714	120,009	126,010
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>329,649</b>	<b>361,392</b>	<b>387,924</b>
<b>LMV--7</b>	Rural	-	-	-
	Urban	-	-	-
(A)	Rural Schedule	-	-	-
	(i) Jal Nigam	34,592	37,016	39,488
	(ii) Jal Sansthan	16,164	18,490	18,860
	(iii) Others (Water Works)	3,788	9,033	9,936
(B)	Urban Schedule	-	-	-
	(i) Jal Nigam	17,414	15,580	17,139
	(ii) Jal Sansthan	40,903	41,847	43,939
	(iii) Others (Water Works)	3,970	4,256	4,469
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>116,831</b>	<b>126,222</b>	<b>133,830</b>
<b>LMV--8</b>	Rural	-	-	-
	Urban	-	-	-
(A)	Metered Supply	175	189	198
(B)	Un-metered Supply	-	-	-
	(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	193,321	202,034	211,140
	(ii) Laghu Dal Nahar above 100 BHP	12,229	8,465	9,312
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>205,725</b>	<b>210,689</b>	<b>220,651</b>
<b>LMV--9</b>	Rural	-	-	-
	Urban	-	-	-
(A)	Metered Supply	-	-	-
	(i) Individual Residential Consumers	102	1,784	1,962

  
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SUPPLY TYPE	CATEGORY	Base Year	Year 1	Year 2
	(ii) Others	-	-	-
(B)	Un-metered Supply	-	-	-
	(i) Ceremonies	50	52	52
	(ii) Temporary Shops	-	-	-
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>152</b>	<b>1,836</b>	<b>2,014</b>
<b>LMV--10</b>	(A) Serving	-	-	-
	(i) Class IV Employees	10,659	13,357	13,624
	(ii) Class III Employees	11,543	11,774	12,009
	(iii) Junior Engineers & Equivalent	3,302	4,225	4,310
	(iv) Assistant Engineers & Equivalent	2,005	2,025	2,045
	(v) Executive Engineers & Equivalent	809	941	988
	(vi) Deputy General Manager & Equivalent	237	327	366
	(vii) CGM/GM & Equivalent posts and above	100	139	160
	(B) Total Pensioner & Family Pensioner	31,210	35,892	41,275
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>59,865</b>	<b>68,679</b>	<b>74,777</b>
<b>HV--1</b>	Rural	-	-	-
	Urban	-	-	-
(A)	Urban Schedule	-	-	-
	(i) For supply at 11kV	88,458	97,304	107,034
	(ii) For supply above 11kV and upto & Including 66kV	15,102	16,914	18,944
	(iii) For supply above 66kV and upto & Including 132kV	-	-	-
	(iv) For supply above 132kV	-	-	-
(B)	Rural Schedule	-	-	-
	(i) For supply at 11kV	3,735	4,295	4,940
	(ii) For supply above 11kV and upto & Including 66kV	-	-	-
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>98,187</b>	<b>118,513</b>	<b>130,918</b>
<b>HV--2</b>	Rural	-	-	-
	Urban	-	-	-
(A)	Urban Schedule	-	-	-
	(i) For supply at 11kV	209,901	226,693	244,829
	(ii) For supply above 11kV and upto & Including 66kV	78,218	82,129	86,235
	(iii) For supply above 66kV and	86,850	91,193	95,752

SUPPLY TYPE	CATEGORY	Base Year	Year 1	Year 2
	upto & Including 132kV			
	(iv) For supply above 132kV	-	-	-
(B)	Rural Schedule	-	-	-
	(i) For supply at 11kV	23,700	24,885	26,129
	(ii) For supply above 11kV and upto & Including 66kV	33,090	33,421	33,755
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>424,620</b>	<b>458,320</b>	<b>486,700</b>
<b>HV--3</b>	Rural	-	-	-
	Urban	-	-	-
(A)	For supply at the above 132kV	80,975	89,073	97,980
(B)	For supply below 132kV	78,000	79,560	81,151
(C)	For Metro Traction	-	-	-
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>	<b>160,030</b>	<b>168,633</b>	<b>179,131</b>
<b>HV--4</b>	Rural	-	-	-
	Urban	-	-	-
(A)	For supply at 11kV	48,677	51,111	53,666
(B)	For supply above 11kV and upto 66kV	76,771	84,448	92,893
(C)	For supply above 66kV and upto 132kV	-	-	-
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>	<b>104,285</b>	<b>135,559</b>	<b>146,559</b>
<b>EXTRA STATE</b>	Rural	-	-	-
	Urban	-	-	-
(A)	EXTRA STATE & OTHERS	3,000	3,060	3,121
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>	<b>3,022</b>	<b>3,060</b>	<b>3,121</b>
<b>BULK</b>	Rural	-	-	-
	Urban	-	-	-
(A)	NPCL	-	-	-
(B)	KESCO	-	-	-
<b>SUB TOTAL</b>	<b>BULK SUPPLY</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>GRAND TOTAL</b>	<b>8,982,926</b>	<b>9,549,913</b>	<b>11,021,670</b>

  
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## 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	CATEGORY	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
		Rural									
		Urban									
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"									
	(i)	Un-metered	2,577	3,688	2,868	2,577	3,388	2,568	2,577	3,388	2,568
	(ii)	Metered	583	1,260	3,417	583	1,298	3,618	583	1,298	3,618
	(B)	Supply at Single Point for Bulk Load	29	25	26	29	26	27	29	26	27
	(C1)	Other Metered Domestic Consumers	2,270	1,332	1,412	2,270	1,362	1,469	2,280	1,362	1,469
	(C2)	Life Line Consumers/BPL	61	61	73	61	63	78	61	63	78
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>5,520</b>	<b>6,366</b>	<b>7,796</b>	<b>5,520</b>	<b>6,137</b>	<b>7,760</b>	<b>5,529</b>	<b>6,137</b>	<b>7,760</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"									
	(i)	Un-metered	124	245	267	124	245	267	124	245	267
	(ii)	Metered	305	434	442	305	447	469	305	447	469
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	2	-	-	2	-	-	2	-	-
	(C)	Other Metered Non-Domestic Supply	652	682	712	652	697	742	652	697	742
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>1,083</b>	<b>1,361</b>	<b>1,422</b>	<b>1,083</b>	<b>1,390</b>	<b>1,477</b>	<b>1,083</b>	<b>1,390</b>	<b>1,477</b>
LMV--3	(A)	Un-metered Supply									
	(i)	Gram Panchyat	6	7	8	6	7	8	6	7	8
	(ii)	Nagar Palika & Nagar Panchyat	32	74	85	32	74	85	32	74	85



Varanasi Discom			Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
		(iii) Nagar Nigam	18	32	35	18	32	35	18	32	35
	(B)	Metered Supply	-	-	-						
		(i) Gram Panchyat	0	-	-	0	-	-	0	-	-
		(ii) Nagar Palika & Nagar Panchyat	14	11	13	14	12	14	14	12	14
		(iii) Nagar Nigam	73	76	80	73	78	83	73	78	83
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>		<b>143</b>	<b>201</b>	<b>221</b>	<b>143</b>	<b>202</b>	<b>224</b>	<b>143</b>	<b>202</b>	<b>224</b>
LMV--4	(A)	Public Institution(4 A)	352	499	548	352	512	576	352	512	576
	(B)	Private Institution(4 B)	61	63	60	61	65	63	61	65	63
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>		<b>414</b>	<b>562</b>	<b>609</b>	<b>414</b>	<b>577</b>	<b>639</b>	<b>414</b>	<b>577</b>	<b>639</b>
LMV--5	(A)	Rural Schedule	-								
	(i)	Un metered Supply	1,067	1,817	1,817	1,067	1,817	1,817	1,067	1,817	1,817
	(ii)	Metered Supply	4	4	5	4	4	5	4	4	5
	(B)	Urban Schedule	-	-	-						
	(i)	Metered Supply	49	65	71	49	65	71	49	65	71
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>		<b>1,119</b>	<b>1,886</b>	<b>1,893</b>	<b>1,119</b>	<b>1,886</b>	<b>1,893</b>	<b>1,119</b>	<b>1,886</b>	<b>1,893</b>
LMV--6	(A)	Small & Medium Power (Power Loom)	-								
	(i)	Rural Schedule	55	57	60	55	59	64	55	59	64
	(ii)	Urban Schedule	65	84	100	65	86	106	65	86	106
	(B)	Small & Medium Power	-	-	-						
	(i)	Rural Schedule	144	218	229	144	224	242	144	224	242
	(ii)	Urban Schedule	189	200	210	189	205	220	189	205	220
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>453</b>	<b>559</b>	<b>599</b>	<b>453</b>	<b>575</b>	<b>632</b>	<b>453</b>	<b>575</b>	<b>632</b>
LMV--7	(A)	Rural Schedule	-	-	-						
	(i)	Jal Nigam	165	177	189	165	177	189	165	177	189


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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	CATEGORY	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
		(ii) Jal Sansthan	64	77	78	64	77	78	64	77	78
		(iii) Others (Water Works)	25	59	65	25	59	65	25	59	65
	(B)	Urban Schedule	-	-	-	-	-	-	-	-	-
		(i) Jal Nigam	101	91	100	101	91	100	101	91	100
		(ii) Jal Sansthan	242	248	260	242	248	260	242	248	260
		(iii) Others (Water Works)	20	21	22	20	21	22	20	21	22
SUB TOTAL	PUBLIC WATER WORKS(LMV-7)		618	673	715	618	673	715	618	673	715
LMV--8	(A)	Metered Supply	12	18	19	12	18	19	12	18	19
	(B)	Un-metered Supply	-	-	-	-	-	-	-	-	-
	(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	899	721	753	899	721	753	899	721	753
	(ii)	Laghu Dal Nahar above 100 BHP	72	12	13	71.83	11.71	12.88	72	12	13
SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		983	750	785	983	750	785	983	750	785
LMV--9	(A)	Metered Supply	-	-	-	-	-	-	-	-	-
	(i)	Individual Residential Consumers	0	11	12	0	11	13	0.2	11	13
	(ii)	Others	-	-	-	-	-	-	-	-	-
	(B)	Un-metered Supply	-	-	-	-	-	-	-	-	-
	(i)	Ceremonies	0	0	0	0	0	0	0.3	0	0
	(ii)	Temporary Shops	-	-	-	-	-	-	-	-	-
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)		1	11	13	1	12	13	1	12	13
LMV--10	(A)	Serving	-	-	-	-	-	-	-	-	-
	(i)	Class IV Employees	11	11	11	11	11	12	11	11	12
	(ii)	Class III Employees	12	12	12	12	12	13	12	12	13
	(iii)	Junior Engineers & Equivalent	5	5	5	5	5	5	5	5	5



Varanasi Discom			Projected Sales			Projected (Impact of Running Hours on Sales )			Projected (Impact of Demand Side Management on Sales )		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
		(iv) Assistant Engineers & Equivalent	5	5	5	5	5	5	5	5	5
		(v) Executive Engineers & Equivalent	2	2	2	2	2	2	2	2	2
		(vi) Deputy General Manager & Equivalent	0	0	1	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	49	56	65	49	58	68	49	58	68
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	83	91	101	83	94	106	83	94	106
HV--1	(A)	Urban Schedule	-	-	-	-	-	-	-	-	-
		(i) For supply at 11kV	200	228	250	200	228	250	200	228	250
		(ii) For supply above 11kV and upto & Including 66kV	43	58	65	43	58	65	43	58	65
		(iii) For supply above 66kV and upto & Including 132kV	-	-	-	-	-	-	-	-	-
		(iv) For supply above 132kV	-	-	-	-	-	-	-	-	-
	(B)	Rural Schedule	-	-	-	-	-	-	-	-	-
		(i) For supply at 11kV	6	14	16	6	14	16	6	14	16
		(ii) For supply above 11kV and upto & Including 66kV	-	-	-	-	-	-	-	-	-
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	249	300	332	249	300	332	249	300	332
HV--2	(A)	Urban Schedule	-	-	-	-	-	-	-	-	-
		(i) For supply at 11kV	493	632	683	493	632	683	493	632	683
		(ii) For supply above 11kV and upto & Including 66kV	296	311	327	296	311	327	296	311	327
		(iii) For supply above 66kV and upto & Including 132kV	83	87	91	83	87	91	83	87	91
		(iv) For supply above 132kV	1	-	-	1	-	-	1	-	-
	(B)	Rural Schedule	-	-	-	-	-	-	-	-	-
		(i) For supply at 11kV	96	101	106	96	101	106	96	101	106

Varanasi Discom			Projected Sales			Projected (Impact of Running Hours on Sales )			Projected (Impact of Demand Side Management on Sales )		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
		(ii) For supply above 11kV and upto & Including 66kV	74	125	126	74	125	126	74	125	126
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		1,044	1,256	1,333	1,044	1,256	1,333	1,044	1,256	1,333
HV--3	(A)	For supply at the above 132kV	256	282	310	256	282	310	256	282	310
	(B)	For supply below 132kV	204	268	273	204	268	273	204	268	273
	(C)	For Metro Traction	-	-	-	-	-	-	-	-	-
SUB TOTAL	RAILWAY TRACTION (HV-3)		461	550	583	461	550	583	461	550	583
HV--4	(A)	For supply at 11kV	223	286	300	223	286	300	223	286	300
	(B)	For supply above 11kV and upto 66kV	339	563	619	339	563	619	339	563	619
	(C)	For supply above 66kV and upto 132kV	-	-	-	-	-	-	-	-	-
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)		561	848	919	561	848	919	561	848	919
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		12,733	15,414	17,320	12,733	15,249	17,411	12,743	15,249	17,411

  
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## 6.3 ACTUAL BILLING DETERMINANTS FOR FY 2013-14

The detailed category-wise data for previous year 2013-14 is placed in the table below:

Table 6-13: Actual Billing Determinant for FY 2013-14

SUPPLY TYPE		Varanasi DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	19,33,053	32,09,848	2,577
		(ii) Metered	3,78,057	5,26,421	583
	(B)	Supply at Single Point for Bulk Load	22,329	25,515	29
	(C1)	Other Metered Domestic Consumers	8,19,927	14,84,956	2,280
	(C2)	Life Line Consumers/BPL	56,283	67,614	61
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	32,09,649	53,14,354	5,529
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	72,581	1,58,612	124
		(ii) Metered	97,570	2,19,350	305
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	2
	(C)	Other Metered Non-Domestic Supply	1,58,155	4,08,740	652
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	3,28,306	7,86,702	1,083
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	303	1,965	6
		(ii) Nagar Palika & Nagar Panchyat	971	14,921	32
		(iii) Nagar Nigam	5	6,632	18
	(B)	Metered Supply			
		(i) Gram Panchyat	-	-	0
		(ii) Nagar Palika & Nagar Panchyat	69	4,128	14
		(iii) Nagar Nigam	11	17,146	73
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,359	44,792	143
LMV--4	(A)	Public Institution(4 A)	14,582	1,38,227	352
	(B)	Private Institution(4 B)	3,065	25,937	61
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	17,647	1,64,164	414
LMV--5	(A)	Rural Schedule			
		(i) Un metered Supply	2,02,902	11,01,156	1,067
		(ii) Metered Supply	170	741	4
	(B)	Urban Schedule			

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SUPPLY TYPE		Varanasi DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(i)	Metered Supply	5,189	32,318	49
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>2,08,261</b>	<b>11,34,215</b>	<b>1,119</b>
<b>LMV--6</b>	<b>(A)</b>	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	5,300	38,774	55
	(ii)	Urban Schedule	5,652	43,793	65
	<b>(B)</b>	Small & Medium Power			
	(i)	Rural Schedule	17,293	1,33,368	144
	(ii)	Urban Schedule	9,966	1,13,714	189
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>38,211</b>	<b>3,29,649</b>	<b>453</b>
<b>LMV--7</b>	<b>(A)</b>	Rural Schedule			
	(i)	Jal Nigam	1,039	34,592	165
	(ii)	Jal Sansthan	67	16,164	64
	(iii)	Others (Water Works)	185	3,788	25
	<b>(B)</b>	Urban Schedule			
	(i)	Jal Nigam	511	17,414	101
	(ii)	Jal Sansthan	754	40,903	242
	(iii)	Others (Water Works)	134	3,970	20
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>2,690</b>	<b>1,16,831</b>	<b>618</b>
<b>LMV--8</b>	<b>(A)</b>	Metered Supply	6	175	12
	<b>(B)</b>	Un-metered Supply			
	(i)	STW, Panchayat Raj WB I. Duch P.C, L I upto 100 BHP	10,753	1,93,321	899
	(ii)	Laghu Dal Nahar above 100 BHP	166	12,229	72
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>10,925</b>	<b>2,05,725</b>	<b>983</b>
<b>LMV--9</b>	<b>(A)</b>	Metered Supply			
	(i)	Individual Residential Consumers	51	102	0
	(ii)	Others	-	-	-
	<b>(B)</b>	Un-metered Supply			
	(i)	Ceremonies	4	50	0
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>55</b>	<b>152</b>	<b>1</b>
<b>LMV--10</b>	<b>(A)</b>	Serving			
	(i)	Class IV Employees	4,077	10,659	11
	(ii)	Class III Employees	4,163	11,543	12
	(iii)	Junior Engineers & Equivalent	848	3,302	5
	(iv)	Assistant Engineers &	477	2,005	5



SUPPLY TYPE		Varanasi DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		Equivalent			
	(v)	Executive Engineers & Equivalent	128	809	2
	(vi)	Deputy General Manager & Equivalent	41	237	0
	(vii)	CGM/GM & Equivalent posts and above	19	100	0
	(B)	Total Pensioner & Family Pensioner	15,700	31,210	49
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	25,453	59,865	83
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	283	88,458	200
	(ii)	For supply at 33 kV & above	6	15,102	43
	(B)	Rural Schedule			
	(i)	For supply at 11kV	11	3,735	6
	(ii)	For supply at 33 kV & above	-	-	-
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	300	1,07,295	249
HV--2	(A)	Urban Schedule			
	(i)	For supply at 11kV	734	2,09,901	493
	(ii)	For supply above 11kV and upto & Including 66kV	35	78,218	296
	(iii)	For supply above 66kV and upto & Including 132kV	7	86,850	83
	(iv)	For supply above 132kV	-	-	1
	(B)	Rural Schedule			
	(i)	For supply at 11kV	109	23,700	96
	(ii)	For supply above 11kV and upto & Including 66kV	14	33,090	74
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	899	4,31,759	1,044
HV--3	(A)	For supply at and above 132kV	4	80,975	256
	(B)	For supply below 132kV	1	78,000	204
	(C)	For Delhi Metro Rail	-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)	5	1,58,975	461
HV--4	(A)	For supply at 11kV	40	48,677	223
	(B)	For supply above 11kV and upto 66kV	17	76,771	339
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)	57	1,25,448	561
EXTRA STATE	(A)	EXTRA STATE & OTHERS	2	3,000	-

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SUPPLY TYPE		Varanasi DISCOM FY 2013-14	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	38,43,819	89,82,926	12,743

#### 6.4 BILLING DETERMINANTS FOR FY 2014-15

The estimated category-wise billing determinants for the FY 2014-15 is placed in the table below:

Table 6-14: Estimated Billing Determinant for FY 2014-15

SUPPLY TYPE		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	17,39,748	28,45,578	3,388
		(ii) Metered	7,51,259	10,56,617	1,267
	(B)	Supply at Single Point for Bulk Load	22,552	25,770	25
	(C1)	Other Metered Domestic Consumers	8,69,123	16,52,073	1,340
	(C2)	Life Line Consumers/BPL	67,540	99,237	61
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	34,50,221	56,79,275	6,082
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	79,113	1,89,214	245
		(ii) Metered	99,521	2,39,518	436
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	1,65,206	4,26,963	686
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	3,43,841	8,55,695	1,367
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	312	2,024	7
		(ii) Nagar Palika & Nagar Panchyat	1,117	17,159	74
		(iii) Nagar Nigam	6	7,295	32

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SUPPLY TYPE		Varanasi DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Metered Supply			
		(i) Gram Panchyat	-	-	-
		(ii) Nagar Palika & Nagar Panchyat	79	3,230	11
		(iii) Nagar Nigam	12	18,003	77
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>1,525</b>	<b>47,712</b>	<b>201</b>
<b>LMV--4</b>	(A)	Public Institution(4 A)	16,040	1,52,050	502
	(B)	Private Institution(4 B)	2,912	24,640	64
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>18,952</b>	<b>1,76,690</b>	<b>565</b>
<b>LMV--5</b>	(A)	Rural Schedule			
		(i) Un metered Supply	2,02,902	11,01,156	1,817
		(ii) Metered Supply	204	889	4
	(B)	Urban Schedule			
		(i) Metered Supply	5,708	35,595	65
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>2,08,814</b>	<b>11,37,640</b>	<b>1,886</b>
<b>LMV--6</b>	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	5,565	40,713	58
		(ii) Urban Schedule	6,782	56,421	84
	(B)	Small & Medium Power			
		(i) Rural Schedule	18,158	1,44,248	219
		(ii) Urban Schedule	10,464	1,20,009	201
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>40,969</b>	<b>3,61,392</b>	<b>562</b>
<b>LMV--7</b>	(A)	Rural Schedule			
		(i) Jal Nigam	1,108	37,016	177
		(ii) Jal Sansthan	68	18,490	77
		(iii) Others (Water Works)	204	9,033	59
	(B)	Urban Schedule			
		(i) Jal Nigam	562	15,580	91
		(ii) Jal Sansthan	792	41,847	248
		(iii) Others (Water Works)	141	4,256	21
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>2,875</b>	<b>1,26,222</b>	<b>673</b>
<b>LMV--8</b>	(A)	Metered Supply	6	189	18
	(B)	Un-metered Supply			
		(i) STW, Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	11,238	2,02,034	721
		(ii) Laghu Dal Nahar above 100 BHP	183	8,465	12
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>11,427</b>	<b>2,10,689</b>	<b>750</b>
<b>LMV--9</b>	(A)	Metered Supply			
		(i) Individual Residential	56	1,784	11

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SUPPLY TYPE		Varanasi DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		Consumers			
		(ii) Others	-	-	-
	(B)	Un-metered Supply			
		(i) Ceremonies	4	52	0
		(ii) Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>60</b>	<b>1,836</b>	<b>12</b>
<b>LMV--10</b>	(A)	Serving			
		(i) Class IV Employees	4,159	13,357	11
		(ii) Class III Employees	4,246	11,774	12
		(iii) Junior Engineers & Equivalent	865	4,225	5
		(iv) Assistant Engineers & Equivalent	482	2,025	5
		(v) Executive Engineers & Equivalent	134	941	2
		(vi) Deputy General Manager & Equivalent	46	327	0
		(vii) CGM/GM & Equivalent posts and above	22	139	0
	(B)	Total Pensioner & Family Pensioner	18,055	35,892	57
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>28,009</b>	<b>68,679</b>	<b>92</b>
<b>HV--1</b>	(A)	Urban Schedule			
		(i) For supply at 11kV	311	97,304	228
		(ii) For supply at 33 kV & above	7	16,914	58
	(B)	Rural Schedule			
		(i) For supply at 11kV	13	4,295	14
		(ii) For supply at 33 kV & above	-	-	-
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>331</b>	<b>1,18,513</b>	<b>300</b>
<b>HV--2</b>	(A)	Urban Schedule			
		(i) For supply at 11kV	793	2,26,693	632
		(ii) For supply above 11kV and upto & Including 66kV	37	82,129	311
		(iii) For supply above 66kV and upto & Including 132kV	7	91,193	87
		(iv) For supply above 132kV	-	-	-
	(B)	Rural Schedule			
		(i) For supply at 11kV	114	24,885	101
		(ii) For supply above 11kV and upto & Including 66kV	14	33,421	125
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>965</b>	<b>4,58,320</b>	<b>1,256</b>
<b>HV--3</b>	(A)	For supply at and above 132kV	4	89,073	282
	(B)	For supply below 132kV	1	79,560	268

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SUPPLY TYPE		Varanasi DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>5</b>	<b>1,68,633</b>	<b>550</b>
<b>HV--4</b>	(A)	For supply at 11kV	42	51,111	286
	(B)	For supply above 11kV and upto 66kV	19	84,448	563
	(C)	For supply above 66kV and upto 132kV	-	-	-
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>61</b>	<b>1,35,559</b>	<b>848</b>
<b>EXTRA STATE</b>	(A)	EXTRA STATE & OTHERS	2	3,060	0
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>2</b>	<b>3,060</b>	<b>0</b>
<b>BULK</b>	(A)	Torrent	-	-	-
	(B)	KESCO	-	-	-
<b>SUB TOTAL</b>		<b>BULK SUPPLY</b>	<b>-</b>	<b>-</b>	<b>-</b>
		<b>GRAND TOTAL</b>	<b>41,08,056</b>	<b>95,49,913</b>	<b>15,144</b>

#### 6.5 PROJECTED BILLING DETERMINANTS FOR FY 2015-16

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

**Table 6-15: Projected Billing Determinant for FY 2015-16**

SUPPLY TYPE		Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
<b>LMV--1</b>	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	13,53,137	22,13,228	2,568
		(ii) Metered	20,37,350	28,65,458	3,517
	(B)	Supply at Single Point for Bulk Load	22,778	26,028	26
	(C1)	Other Metered Domestic Consumers	9,21,270	17,51,197	1,456
	(C2)	Life Line Consumers/BPL	81,048	1,19,084	75
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>44,15,583</b>	<b>69,74,994</b>	<b>7,643</b>
<b>LMV--2</b>	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	86,233	2,06,243	267
		(ii) Metered	1,01,512	2,44,308	455
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-

SUPPLY TYPE		Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(C)	Other Metered Non-Domestic Supply	1,72,571	4,45,998	734
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	3,60,317	8,96,549	1,457
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	321	2,085	8
	(ii)	Nagar Palika & Nagar Panchyat	1,284	19,733	85
	(iii)	Nagar Nigam	6	8,025	35
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	91	3,715	13
	(iii)	Nagar Nigam	12	18,903	83
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,715	52,461	224
LMV--4	(A)	Public Institution(4 A)	17,644	1,67,255	565
	(B)	Private Institution(4 B)	2,766	23,408	62
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	20,410	1,90,663	627
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	2,02,902	11,01,156	1,817
	(ii)	Metered Supply	245	1,067	5
	(B)	Urban Schedule			
	(i)	Metered Supply	6,279	39,154	71
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	2,09,425	11,41,377	1,893
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	5,843	42,748	62
	(ii)	Urban Schedule	8,139	67,705	103
	(B)	Small & Medium Power			
	(i)	Rural Schedule	19,066	1,51,461	235
	(ii)	Urban Schedule	10,988	1,26,010	216
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	44,035	3,87,924	617
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	1,182	39,488	189
	(ii)	Jal Sansthan	70	18,860	78
	(iii)	Others (Water Works)	224	9,936	65
	(B)	Urban Schedule			
	(i)	Jal Nigam	618	17,139	100
	(ii)	Jal Sansthan	831	43,939	260
	(iii)	Others (Water Works)	148	4,469	22
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	3,073	1,33,830	715
LMV--8	(A)	Metered Supply	7	198	19
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I	11,744	2,11,140	753



SUPPLY TYPE		Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		upto 100 BHP			
	(ii)	Laghu Dal Nahar above 100 BHP	201	9,312	13
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	11,952	2,20,651	785
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	62	1,962	13
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	4	52	0
	(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	66	2,014	13
LMV--10	(A)	Serving			
	(i)	Class IV Employees	4,242	13,624	12
	(ii)	Class III Employees	4,331	12,009	12
	(iii)	Junior Engineers & Equivalent	882	4,310	5
	(iv)	Assistant Engineers & Equivalent	487	2,045	5
	(v)	Executive Engineers & Equivalent	141	988	2
	(vi)	Deputy General Manager & Equivalent	51	366	1
	(vii)	CGM/GM & Equivalent posts and above	25	160	0
	(B)	Total Pensioner & Family Pensioner	20,763	41,275	67
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	30,923	74,777	104
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	342	1,07,034	250
	(ii)	For supply at 33 kV & above	8	18,944	65
	(B)	Rural Schedule			
	(i)	For supply at 11kV	15	4,940	16
	(ii)	For supply at 33 kV & above	-	-	-
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	365	1,30,918	332
HV--2	(A)	Urban Schedule			
	(i)	For supply at 11kV	856	2,44,829	683
	(ii)	For supply above 11kV and upto & Including 66kV	39	86,235	327
	(iii)	For supply above 66kV and upto & Including 132kV	8	95,752	91
	(iv)	For supply above 132kV	-	-	-
	(B)	Rural Schedule			
	(i)	For supply at 11kV	120	26,129	106
	(ii)	For supply above 11kV and upto & Including 66kV	14	33,755	126
SUB		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-	1,037	4,86,700	1,333

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SUPPLY TYPE		Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
TOTAL		2)			
HV--3	(A)	For supply at and above 132kV	5	97,980	310
	(B)	For supply below 132kV	1	81,151	273
	(C)	For Delhi Metro Rail	-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)	6	1,79,131	583
HV--4	(A)	For supply at 11kV	44	53,666	300
	(B)	For supply above 11kV and upto 66kV	21	92,893	619
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)	65	1,46,559	919
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	50,98,973	1,10,21,670	17,244


#### 6.6 ADDITIONAL ATRGET CONSUMERS TO BE ADDED IN FY 2014-15 AND FY 2015-16

The Hon'ble Commission in its ARR and Tariff Order for FY 2014-15 dated 01<sup>st</sup> October, 2014 recognizing huge variation in the actual number of consumers and the total households in the State have given directive to all the Licensees for additional target consumers to be added in FY 2014-15 and subsequent years.

The Petitioner has been running a New connection drive from July, 2014 onwards and by means of various campaigns have been successfully able to add considerable number of consumers within few months. The following table depicts the target set vis-a-vis actual no of consumers added by the licenses since July, 2014.

	New Service Connection		Load enhancement	
	Target	Achievement in Nos.	Nos.	Load (in KW)
TOTAL	2500000	2402465	207421	304658

\*The above figures are at State Level

  
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The Petitioner is also making sincere efforts to include all other households which are not having an electricity connection to come in the loop of consumers of Petitioner. The total target of additional consumers has been set for 36 lacs consumers for FY 2014-15 and another 36 lac for FY 2015-16.

The Petitioner has also prepared a roadmap for rural metering and billing for its entire unmetered consumer base as detailed below:

- Target set for release of approximately 30 lakhs new connections per year.
- Web enabled online billing system based on cloud computing to be put in place by June 2015.
- Payment facility for all consumers through web enabled system with the help of franchisees and government agencies.
- With web-enabled online billing system along with provision of hand-held machines, bills to be delivered at door-step and collection in the village itself through Franchisee/Govt. Agencies

Accordingly the petitioner has set the following targets for additional consumers for FY 2014-15 and FY 2015-16

Particulars	FY 2014-15	FY 2015-16
Additional Consumers	36,00,000	36,00,000

The above targeted additional consumers for the purpose of preparation of ARR have been considered in the same ratio as approved by the Hon'ble Commission in its Tariff Order dated 01<sup>st</sup> October, 2014 as depicted in the table below:

Particulars	DVVNL	MVVNL	PVVNL	PuVVNL	Total
Additional Consumers	8,21,838	12,49,500	4,20,537	11,04,188	35,96,063

Further, for the purpose of projection of estimates for FY 2014-15 and FY 2015-16, the total additional sales from the total consumers added in FY 2014-15 is been considered for only 3 months. Also for the consumers to be added in FY 2015-16, it has been assumed that the consumers will get added throughout the year and accordingly the sales MU's have been projected symmetrically.

#### 6.7 SHIFT OF CONSUMERS FROM UN-METERED CATEGORY TO METERED CATEGORY

In the view of the directives given by the Hon'ble Commission the petitioner has taken various steps to ensure that it achieves the target of 100% metering within its distribution area. In order to encourage the unmetered consumers to shift to metered connections, the Hon'ble Commission

has also reduced the variable charges for such consumers who shift from unmetered to metered category to some extent in its ARR and tariff Order for FY 2014-15. The licensee in its ARR petition has set a target to shift 10% consumers from unmetered category to metered category for FY 2014-15 and 20% for FY 2015-16

## 6.8 SALES FORECAST AND ENERGY BALANCE

The actual Distribution Losses in FY 2013-14 were 24.73%. The Petitioner estimates its Distribution losses at 24.23% for FY 2014-15. In the ensuing year FY 2015-16, the Petitioner has projected a Distribution loss of 23.55%. 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 2014-15 & FY 2015-16 as per its earlier submissions made before the Hon'ble Commission. Also if in case the actual losses for FY 2013-14 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 2013-14.

Based on the aforementioned sales forecast and loss levels, the energy balance for FY 2015-16 is presented in the table below:

**Table 6-16: Energy Balance for FY 2013-14, 2014-15 and 2015-16**

Energy Balance	Unit	FY 2013-14	FY 2014-15	FY 2015-16
Power Purchase	MU	16,928.91	19,988.66	22,554.84
Line Losses	MU	4,186.39	4,844.18	5,310.90
Sales	MU	12,742.52	15,144.48	17,243.94
Distribution Losses	%	24.73%	24.23%	23.55%

## 6.9 ESTIMATED REVENUE ASSESSMENT FOR FY 2014-15

The table below presents the projected revenue assessment in FY 2014-15 based UPERC suo-motu Tariff Order for FY 2013-14 dated 31st May, 2013 for the period upto 01st October, 2014 and UPERC ARR & Tariff Order dated 01st October, 2014 for the balance period of financial year 2014-15.

**Table 6-17: Revenue Assessment for FY 2014-15**

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
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Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	<b>1,609.11</b>	<b>6,081.85</b>	<b>2.65</b>
(a) Consumer getting supply as per "Rural Schedule"	726.31	4,655.04	1.56
(b) Supply at Single Point for Bulk Loads	15.54	25.48	6.10
(c) Other Metered Domestic Consumers	846.80	1,339.95	6.32
(d) Life Line Consumers	20.46	61.39	3.33
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>738.00</b>	<b>1,367.18</b>	<b>5.40</b>
(a) Non-Domestic (Rural)	173.06	681.44	2.54
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c) Non-Domestic (Urban Metered)	564.95	685.74	8.24
<b>LMV-3: Public Lamps</b>	<b>124.03</b>	<b>201.21</b>	<b>6.16</b>
<b>LMV-4: Institutions</b>	<b>415.50</b>	<b>565.30</b>	<b>7.35</b>
(a) Public Institution	365.80	501.54	7.29
(b) Private Institution	49.70	63.77	7.79
<b>LMV-5: Private Tube Wells</b>	<b>167.24</b>	<b>1,885.61</b>	<b>0.89</b>
(a) Rural	132.60	1,821.04	0.73
(b) Urban	34.64	64.58	5.36
<b>LMV 6: Small and Medium Power</b>	<b>445.37</b>	<b>561.97</b>	<b>7.93</b>
<b>LMV-7: Public Water Works</b>	<b>475.05</b>	<b>672.80</b>	<b>7.06</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>390.73</b>	<b>750.29</b>	<b>5.21</b>
<b>LMV-9: Temporary Supply</b>	<b>9.15</b>	<b>11.57</b>	<b>7.91</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>32.82</b>	<b>91.98</b>	<b>3.57</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>240.27</b>	<b>299.74</b>	<b>8.02</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>877.97</b>	<b>1,256.33</b>	<b>6.99</b>
<b>HV-3: Railway Traction</b>	<b>395.98</b>	<b>549.79</b>	<b>7.20</b>
<b>HV-4: Lift Irrigation Works</b>	<b>577.09</b>	<b>848.45</b>	<b>6.80</b>
<b>Sub Total</b>	<b>6,498.32</b>	<b>15,144.09</b>	<b>4.29</b>
Bulk & Extra State	-	0.39	-
<b>Varanasi DisCom</b>	<b>6,498.32</b>	<b>15,144.48</b>	<b>4.29</b>

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**6.10 PROJECTED REVENUE ASSESSMENT FOR FY 2015-16**

The table below presents the projected revenue assessment for FY 2015-16 on current tariff based on UPERC Tariff Order for FY 2014-15 dated 1st October, 2014.

**Table 6-18: Revenue Assessment for FY 2015-16**

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	<b>2,201.55</b>	<b>7,642.82</b>	<b>2.88</b>
(a) Consumer getting supply as per "Rural Schedule"	1,244.38	6,085.06	2.04
(b) Supply at Single Point for Bulk Loads	16.04	26.39	6.08
(c) Other Metered Domestic Consumers	916.18	1,455.99	6.29
(d) Life Line Consumers	24.95	75.38	3.31
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>784.08</b>	<b>1,456.96</b>	<b>5.38</b>
(a) Non-Domestic (Rural)	181.78	722.61	2.52
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c) Non-Domestic (Urban Metered)	602.30	734.35	8.20
<b>LMV-3: Public Lamps</b>	<b>137.47</b>	<b>223.56</b>	<b>6.15</b>
<b>LMV-4: Institutions</b>	<b>459.33</b>	<b>627.03</b>	<b>7.33</b>
(a) Public Institution	411.10	564.97	7.28
(b) Private Institution	48.23	62.06	7.77
<b>LMV-5: Private Tube Wells</b>	<b>170.79</b>	<b>1,892.92</b>	<b>0.90</b>
(a) Rural	132.69	1,821.89	0.73
(b) Urban	38.10	71.04	5.36
<b>LMV 6: Small and Medium Power</b>	<b>486.09</b>	<b>617.04</b>	<b>7.88</b>
<b>LMV-7: Public Water Works</b>	<b>504.50</b>	<b>714.59</b>	<b>7.06</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>409.24</b>	<b>784.84</b>	<b>5.21</b>
<b>LMV-9: Temporary Supply</b>	<b>10.24</b>	<b>13.03</b>	<b>7.86</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>37.08</b>	<b>103.68</b>	<b>3.58</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>265.70</b>	<b>331.58</b>	<b>8.01</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>932.47</b>	<b>1,333.13</b>	<b>6.99</b>
<b>HV-3: Railway Traction</b>	<b>419.94</b>	<b>583.35</b>	<b>7.20</b>
<b>HV-4: Lift Irrigation Works</b>	<b>624.74</b>	<b>919.01</b>	<b>6.80</b>
<b>Sub Total</b>	<b>7,443.21</b>	<b>17,243.53</b>	<b>4.32</b>
Bulk & Extra State	0.17	0.39	4.28
<b>Varanasi DisCom</b>	<b>7,443.38</b>	<b>17,243.93</b>	<b>4.32</b>

  
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## 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 2015-16 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 2011-12 and ARR & Tariff order for FY 2014-15 on 01st October, 2014 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 2015-16 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 2013-14 and expenses available till date for the FY 2014-15.

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 7.69% in FY 2014-15 and 4.10% in FY 2015-16. 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:

$$\text{Inflation Rate} = 0.6 * \text{Inflation based on WPI} + 0.4 * \text{Inflation based on CPI}$$

Table 7-1: Escalation Index for FY 2014-15

Month	Wholesale Price Index	Consumer Price Index	Consolidated Index
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	FY 13	FY 14	FY 13	FY 14	FY 13	FY 14
April	164	171	205	226	180	193
May	164	171	206	228	181	194
June	165	173	208	231	182	196
July	166	176	212	235	184	199
August	167	179	214	237	186	202
September	169	181	215	238	187	204
October	169	181	217	241	188	205
November	169	182	218	243	188	206
December	169	180	219	239	189	203
January	170	179	221	237	191	202
February	170	180	223	238	191	203
March	171	180	224	239	192	204
<b>Average</b>	<b>168</b>	<b>178</b>	<b>215</b>	<b>236</b>	<b>186.63</b>	<b>200.99</b>
Hike over Sept 13					Calculation of Inflation Index (CPI- 40%, WPI-60%)	
<b>Weighted Average of Inflation</b>						<b>7.69%</b>

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

Table 7-2: Escalation Index for FY 2015-16

Month	Wholesale Price Index			Consumer Price Index		
	FY 13	FY 14	FY 15	FY 13	FY 14	FY 15
April	164	171	181	205	226	242
May	164	171	182	206	228	244
June	165	173	183	208	231	246
July	166	176	185	212	235	252
August	167	179	186	214	237	253
September	169	181	185	215	238	253
October	169	181		217	241	
November	169	182		218	243	
December	169	180		219	239	
January	170	179		221	237	
February	170	180		223	238	
March	171	180		224	239	
<b>Average</b>	<b>168</b>	<b>178</b>	<b>184</b>	<b>215</b>	<b>236</b>	<b>248</b>
Hike over Sept 13			2.21%			6.30%
<b>Weighted Average of</b>						<b>4.10%</b>

Month	Wholesale Price Index			Consumer Price Index		
	FY 13	FY 14	FY 15	FY 13	FY 14	FY 15
Inflation						

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 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 2012-13
- Provisional power purchase cost and units for FY 2013-14
- 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 29.25% (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.

  
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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 2014-15 and FY 2015-16 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-2014-15**

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	3,848	0.61	235	1.80	692	2.41	927	2.41
Anpara B	1,000	6,314	1.08	684	1.73	1,090	2.81	1,774	2.81
Harduagunj	165	259	2.10	54	4.81	124	6.91	179	6.91
Obra A	288	779	0.93	72	2.29	179	3.22	251	3.22
Obra B	1,000	4,158	0.60	249	2.38	989	2.98	1,238	2.98
Panki	210	907	1.06	96	4.11	373	5.17	469	5.17
Parichha	220	323	0.96	31	3.69	119	4.65	150	4.65
Parichha Extn.	420	2,512	1.27	318	3.14	789	4.41	1,108	4.41
Parichha Extn. Stage II	500	3,308	1.79	593	3.04	1,007	4.84	1,600	4.84
Harduaganj Ext.	500	3,158	1.93	610	3.24	1,024	5.18	1,634	5.18
Anpara D	-	-	-	-	-	-	-	-	-
Sub Total - Thermal	4933	25566		2943		6387		9330	3.65
Per unit Avg Rate of Thermal Generation								3.65	
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		84.70		0.00		84.70	0.71
Purchase Per unit Avg Rate from hydro generating stations								0.71	
Sub-Total Own	5388	26761		3,027.36		6,386.89		9,414.25	3.52



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.)	
generation									
Procurement of power from Central Sector Generating Stations									
Anta	119	813	0.71	57	3.07	250	3.78	307	3.78
Auriya	244	1,640	0.53	88	4.11	675	4.65	762	4.65
Dadri Thermal	84	613	0.82	50	3.91	240	4.73	290	4.73
Dadri Gas	272	1,925	0.55	105	3.93	757	4.48	862	4.48
Dadri Extension	150	1,097	1.55	171	3.70	406	5.25	576	5.25
Rihand-I	373	2,661	0.78	209	1.66	441	2.44	650	2.44
Rihand-II	348	2,478	0.91	225	1.69	419	2.60	644	2.60
Singrauli	849	6,151	0.52	320	1.24	763	1.76	1,083	1.76
Tanda	440	3,136	1.01	318	3.33	1,043	4.34	1,360	4.34
Unchahar-I	258	1,927	0.83	160	2.75	529	3.58	689	3.58
Unchahar-II	153	1,145	0.86	99	2.70	309	3.56	407	3.56
Unchahar-III	75	560	1.32	74	2.70	151	4.02	225	4.02
Farakka	33	217	0.82	18	3.44	75	4.26	92	4.26
Kahalgaoon St. I	77	528	0.92	49	2.81	148	3.73	197	3.73
Kahalgaoon St. II Ph. I	251	1,729	1.18	203	2.65	459	3.83	662	3.83
Koldam (Hydro)	95	414	1.56	65	-	-	1.56	65	1.56
Rihand-III	377	2,691	1.27	342	1.72	463	2.99	805	2.99
<b>Sub-Total NTPC</b>	<b>4197</b>	<b>29724</b>		<b>2,551.34</b>		<b>7,126.81</b>		<b>9,678.15</b>	<b>3.26</b>
Chamera	109	336	0.58	20	1.01	34	1.59	53	1.59
Chamera-II	86	393	1.28	50	1.48	58	2.76	109	2.76
Chamera-III	62	283	1.74	49	2.20	62	3.94	111	3.94
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.86	29	2.86
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	51	221	2.49	55	1.75	39	4.24	94	4.24
Parbati ST-III	140	514	1.05	54	3.18	163	4.23	217	4.23
<b>Sub-Total NHPC</b>	<b>835</b>	<b>3534</b>		<b>515.81</b>		<b>652.04</b>		<b>1,167.85</b>	<b>3.30</b>
NAPP	167	937	0	0	2.64	247	2.64	247	2.64
RAPP #3&4	80	604	0	0	2.95	178	2.95	178	2.95
RAPP#5&6	115	802	0	0	3.64	292	3.64	292	3.64
<b>Sub-Total NPCIL</b>	<b>362</b>	<b>2343</b>				<b>716.99</b>		<b>716.99</b>	<b>3.06</b>



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	288	1,387	1.54	213	1.38	192	2.92	404	2.92
TALA POWER	45	181	-	-	2.33	42	2.33	42	2.33
Koteshwar	173	570	1.94	110	2.07	118	4.01	229	4.01
Srinagar	290	519	2.90	150	-	-	2.90	150	2.90
Sasan	495	2,081	0.17	36	1.22	254	1.39	289	1.39
Teesta St-III									
Karcham-Wangtoo	200	158	-	-	3.77	59	3.77	59	3.77
VISHNUPRAYAG	352	1,623	0.97	158	1.32	214	2.29	372	2.29
TEHRI STAGE-I	419	1,811	1.81	327	2.43	441	4.24	768	4.24
Rosa Power Project	600	4,066	1.63	663	4.08	1,659	5.71	2,322	5.71
Rosa Power Project	600	4,066	1.63	663	4.08	1,659	5.71	2,322	5.71
Bara									
Anpara 'C'	1,100	7,015	1.14	801	2.55	1,792	3.70	2,593	3.70
IGSTPP, Jhajhhar	51	358	1.55	55	4.14	149	5.69	204	5.69
Bajaj Hindusthan	450	2,807	2.25	632	4.44	1,246	6.69	1,878	6.69
Lalitpur									
<b>Sub-Total IPP/JV</b>	<b>5062</b>	<b>26640</b>		<b>3808</b>		<b>7825</b>		<b>11633</b>	<b>4.3665</b>
Captive and Cogen	-	2,865	-	-	4.62	1,324	4.62	1,324	4.62
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,366	-	-	4.75	2,074	4.75	2,074	4.75
Solar Energy	-	84	-	-	11.14	94	11.14	94	11.14
NVVN Coal Power	-	352	-	-	2.83	99	2.83	99	2.83
<b>Sub-Total : Co-Generation &amp; Other Sources</b>	<b>-</b>	<b>7667</b>				<b>3,590.48</b>		<b>3,590.48</b>	<b>4.68</b>
<b>Grand Total of Power Purchase</b>	<b>15844</b>	<b>96669</b>		<b>9,902.05</b>		<b>26,298.2</b>		<b>36,200.27</b>	<b>3.74</b>

Table 7-4: 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	3,848	0.63	241	1.91	733	2.53	974	2.53
Anpara B	1,000	6,314	1.09	691	1.83	1,156	2.92	1,847	2.92
Harduaganj	165	259	2.13	55	5.10	132	7.23	187	7.23



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 A	288	779	0.94	73	2.43	189	3.37	263	3.37
Obra B	1,000	4,158	0.61	255	2.52	1,048	3.14	1,304	3.14
Panki	210	907	1.09	99	4.36	396	5.45	495	5.45
Parichha	220	323	0.98	32	3.91	126	4.89	158	4.89
Parichha Extn.	420	2,512	1.28	322	3.33	837	4.61	1,159	4.61
Parichha Extn. Stage II	500	3,308	1.81	597	3.23	1,067	5.03	1,665	5.03
Harduaganj Ext.	500	3,158	1.95	615	3.44	1,086	5.38	1,700	5.38
Anpara D	1,000	2,916	1.18	344	1.79	521	2.96	864	2.96
<b>Sub total – Thermal</b>	<b>5933</b>	<b>28482</b>		<b>3324</b>		<b>7291</b>		<b>10615</b>	<b>3.73</b>
<b>Per unit Avg Rate of Thermal Generation</b>								<b>3.73</b>	
<b>Hydro Stations</b>									
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	0.60	40			0.60	40	0.60
UGC Power Stations	14	36	2.31	8			2.31	8	2.31
Belka & Babail	6	16	2.44	4			2.44	4	2.44
Sheetla	4	9	2.96	3			2.96	3	2.96
<b>Sub total – Hydro</b>	<b>455</b>	<b>1195</b>		<b>88.17</b>		<b>0.00</b>		<b>88.17</b>	<b>0.74</b>
<b>Purchase Per unit Avg Rate from hydro generating stations</b>								<b>0.74</b>	
<b>Sub-Total Own generation</b>	<b>6388</b>	<b>29678</b>		<b>3,412.25</b>		<b>7,291.02</b>		<b>10,703.27</b>	<b>3.61</b>
<b>Procurement of power from Central Sector Generating Stations</b>									
Anta	119	813	0.74	60	3.26	265	3.99	325	3.99
Auriya	244	1,640	0.56	91	4.36	715	4.92	806	4.92
Dadri Thermal	84	613	0.86	53	4.15	254	5.00	307	5.00
Dadri Gas	272	1,925	0.57	110	4.17	802	4.74	912	4.74
Dadri Extension	150	1,097	1.62	177	3.92	430	5.54	608	5.54
Rihand-I	373	2,661	0.82	217	1.76	468	2.57	685	2.57
Rihand-II	348	2,478	0.95	235	1.79	444	2.74	678	2.74
Singrauli	849	6,151	0.54	333	1.32	809	1.86	1,142	1.86
Tanda	440	3,136	1.05	331	3.52	1,105	4.58	1,436	4.58
Unchahar-I	258	1,927	0.87	167	2.91	561	3.78	728	3.78
Unchahar-II	153	1,145	0.90	103	2.86	327	3.76	430	3.76
Unchahar-III	75	560	1.37	77	2.86	160	4.23	237	4.23
Farakka	33	217	0.86	19	3.65	79	4.50	98	4.50
Kahalgauj St. I	77	528	0.96	51	2.98	157	3.94	208	3.94



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.)	
Kahalgao St.II Ph.I	251	1,729	1.22	212	2.81	486	4.04	698	4.04
Koldam (Hydro)	95	414	1.56	65	-	-	1.56	65	1.56
Rihand-III	377	2,691	1.32	356	1.82	491	3.15	847	3.15
<b>Sub-Total NTPC</b>	<b>4197</b>	<b>29724</b>		<b>2653</b>		<b>7554</b>		<b>10208</b>	<b>3.43</b>
Chamera	109	336	0.60	20	1.07	36	1.67	56	1.67
Chamera-II	86	393	1.36	53	1.70	67	3.06	120	3.06
Chamera-III	62	283	2.00	57	2.20	62	4.20	119	4.20
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.85	29	2.85
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	25	111	4.98	55	1.75	19	6.73	75	6.73
Parbati ST-III	104	383	1.41	54	3.18	122	4.59	176	4.59
<b>Sub-Total NHPC</b>	<b>774</b>	<b>3292</b>		<b>527.01</b>		<b>601.79</b>		<b>1,128.80</b>	<b>3.43</b>
NAPP	167	937	-	-	2.79	262	2.79	262	2.79
RAPP #3&4	80	604	-	-	3.12	189	3.12	189	3.12
RAPP#5&6	115	802	-	-	3.86	310	3.86	310	3.86
<b>Sub-Total NPCIL</b>	<b>362</b>	<b>2343</b>				<b>760.01</b>		<b>760.01</b>	<b>3.24</b>
NATHPA JHAKRI HPS	288	1,387	1.60	222	1.46	203	3.06	425	3.06
TALA POWER	45	181	-	-	2.47	45	2.47	45	2.47
Koteshwar	173	570	2.02	115	2.20	125	4.22	240	4.22
Srinagar	290	519	3.02	157	-	-	3.02	157	3.02
Sasan	495	2,081	0.18	37	1.29	269	1.47	306	1.47
Teesta St-III'									
Karcham-Wangtoo	200	158	-	-	4.00	63	4.00	63	4.00
VISHNUPRAYAG	352	1,623	1.01	164	1.40	227	2.41	391	2.41
TEHRI STAGE-I	419	1,811	1.88	340	2.58	467	4.46	808	4.46
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Bara	1,188	1,115	-	-	3.20	357	3.20	357	3.20
Anpara 'C'	1,100	7,015	1.19	834	2.71	1,900	3.90	2,733	3.90
IGSTPP, Jhajhjar	51	358	1.61	58	4.39	157	6.00	215	6.00
Bajaj Hindusthan	450	2,982	2.25	671	4.71	1,404	6.96	2,075	6.96
Lalitpur	1,782	8,022	1.40	1,123	1.98	1,588	3.38	2,711	3.38
<b>Sub-Total IPP/JV</b>	<b>8032</b>	<b>35953</b>		<b>5100</b>		<b>10322</b>		<b>15423</b>	<b>4.28966</b>

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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.)	
Captive and Cogen	-	2,865	-	-	4.90	1,403	4.90	1,403	4.90
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,416	-	-	5.04	2,224	5.04	2,224	5.04
Solar Energy	-	84	-	-	11.81	99	11.81	99	11.81
NVVN Coal Power	-	352	-	-	3.00	105	3.00	105	3.00
Sub-Total : Co-Generation & Other Sources	-	7717				3,831.24		3,831.24	4.96
Grand Total of Power Purchase	19753	108707		11,692.71		30,360.9		42,053.61	3.87

As can be seen from table above power purchase cost is projected to be Rs. 42,053.61 crore in FY 2015-16. The inter-state transmission charges (PGCIL) are envisaged to be Rs. 2,727.71 crore. Thus, the total power procurement cost including PGCIL charges are projected to be Rs. 44,781.32 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 2015-16. The derivation of the bulk supply tariff is depicted in the table below:

Table 7-5: Computation of the Bulk Supply Tariff

Particulars	Derivation	2014-15	2015-16
Purchases Required & Billed Energy (MU)	A	96,669.34	1,08,707.15
Periphery Loss (Up to inter connection Point) (%)	B	1.65%	1.65%
Energy Available at State periphery for Transmission (MU)	C=A* (1-B)	95,074.30	1,06,913.48
Intra -State Transmission losses %	D	3.61%	3.59%
Energy Input into Transmission-Distribution Interface (MU)	E=C* (1-D)	91,643.79	1,03,076.12
Power Purchase Cost (Rs. Crore)	F	36,200.27	42,053.61
PGCIL Inter-State transmission charges (Rs. Crore)	G	2,307	2,728
Total Power Procurement Cost (Rs. Crore)	H=F+G	38,507.51	44,781.32

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Particulars	Derivation	2014-15	2015-16
Bulk Supply Tariff (Rs./Unit)	$I = (H/E) \times 10$	4.20	4.34

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 2014-15	FY 2015-16
Energy Sales (MU)	A	15,144	17,244
Distribution Loss (%)	B	24.23%	23.55%
Distribution Loss (MU)	$C = A / (1 - B) - A$	4,844	5,311
Power Purchase Required (MU)	$D = A + C$	19,989	22,555
Bulk Power Purchase Rate (Rs/kWh)	E	4.20	4.34
Power Purchase Cost (Rs Crore)	$F = D \times E / 10$	8,399	9,799

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. 2,727.71 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 2015-16 filed before the Hon'ble Commission.

  
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In such Petition U.P. Power Transmission Corporation Ltd has projected transmission charge rate of Rs. 0.196 per kWh for FY 2015-16. 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 2014-15	FY 2015-16
Energy Procured (MU)	A	19,989	22,555
Transmission Tariff (Rs/kWh)	B	0.179	0.196
Transmission Cost (Rs Crore)	$C=A \times B / 10$	<b>357.18</b>	<b>442.92</b>

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.

  
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#### 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 the FY 2008-09 to FY 2011-12 true up alongwith determination of ARR and Tariff for FY 2014-15 had determined the O&M expenses for the base year and 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&amp;M expenses for FY 2015-16 (Rs Crore)

Incremental O&M Expenses @2.5% of capital additions during the year	FY 2014-15	FY 2015-16
Capitalised Assets during previous year	1525.12	971.50
<b>Incremental O&amp;M Expenses</b>	<b>38.13</b>	<b>63.89</b>
a) Employee Costs	20.89	35.00
b) A&G Expenses	3.98	6.81
c) R&M Expenses	13.26	22.07

## 7.5 O&M EXPENSES FOR FY 2015-16

The Petitioner has computed the allowable O&M expenses up to FY 2012-13 in the foregoing sections. The allowable O&M expenses for FY 2015-16 have been claimed by escalating the component wise O&M expenses for FY 2012-13 by using the yearly inflation indices approved by the Hon'ble Commission up to FY 2014-15 in its Tariff Order dated 1<sup>st</sup> October, 2014 and at the rate of 4.10% for FY 2015-16 as computed in Section titled 'Escalation / Inflation Index' above.

Thus, the allowable O&M expenses for FY 2015-16 are depicted in the table below:

Table 7-9: Allowable O&amp;M Expenses for FY 2015-16 (Rs Crore)

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
<b>Employee Expenses</b>			
Gross Employee Costs and Provisions	458.03	477.13	496.67
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	20.89	35.00
<b>Gross Employee Expenses</b>	<b>458.03</b>	<b>498.02</b>	<b>531.68</b>
Employee expenses capitalized	124.36	74.70	79.75
<b>Net Employee Expenses</b>	<b>333.67</b>	<b>423.31</b>	<b>451.93</b>
<b>A&amp;G Expenses</b>			
Gross A&G Expenses	109.98	81.62	84.96
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	13.26	22.07
<b>Gross A&amp;G Expenses</b>	<b>109.98</b>	<b>94.87</b>	<b>107.03</b>
A&G expenses capitalized	27.55	14.23	16.06
<b>Net A&amp;G Expenses</b>	<b>82.43</b>	<b>80.64</b>	<b>90.98</b>
<b>R&amp;M Expenses</b>			
Repair & Maintenance Expenditure	295.57	312.10	324.89
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	3.98	6.81
<b>Gross Repair &amp; Maintenance Expenses</b>	<b>295.57</b>	<b>316.08</b>	<b>331.70</b>

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Particulars	FY 2013-14	FY 2014-15	FY 2015-16
Total O&M Expenses Allowable as per Regulations	711.66	820.04	874.61

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 2015-16 are provided in the table below:

Table 7-10: Capital Investment Plan for 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


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Description	Qty	Capital Expenditure			
		Loans	Equity / Internal Accruals	Deposit Works	Total
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		36.55	15.67		52.22
R- APDRP Part B		159.42	68.32		227.75
Deposit Works				320.70	320.70
<b>Total</b>		<b>1272.12</b>	<b>545.19</b>	<b>320.70</b>	<b>2138.02</b>

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:

- The opening GFA and CWIP for FY 2014-15 have been taken as per the closing figures from provisional annual accounts of FY 2013-14.
- 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 2014-15 has been pegged at Rs. 1,612.05 crore out of which works through deposit works have been envisaged at Rs. 241.81 crore.

  
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- The Petitioner envisages a capital investment of Rs. 2,138.02 crore in FY 2015-16 out of which works through deposit works have been envisaged at Rs. 320.70 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 2014-15 and 2015-16 are presented below:

**Table 7-11: Capitalization and WIP of Investment during FY 2014-15 and 2015-16 (Rs Crore)**

Particulars	Derivation	FY 2014-15 Revised Estimates	FY 2015-16 ARR
Opening WIP as on 1st April	A	649.96	1,452.02
Investments	B	1,612.05	2,138.02
Employee Expenses Capitalisation	C	74.70	79.75
A&G Expenses Capitalisation	D	14.23	16.06
Interest Capitalisation on Interest on long term loans	E	69.10	89.90
<b>Total Investments</b>	<b>F= A+B+C+D+E</b>	<b>2,420.04</b>	<b>3,775.75</b>
Transferred to GFA (Total Capitalisation)	G=F*40%	968.02	1,510.30
<b>Closing WIP</b>	<b>H= F-G</b>	<b>1,452.02</b>	<b>2,265.45</b>

- Notes:** (1) Opening Balances as per provisional figures of FY 2013-14.  
 (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 FY2014-15 & FY2015-16**

(All figures in Rs Crore)

Particulars		FY 2014-15 Revised Estimates	FY 2015-16 ARR
Opening GFA	A	5,782.15	6,750.17
Additional to GFA during the year	B	968.02	1,510.30
<b>Closing GFA</b>	<b>C=A+B</b>	<b>6,750.17</b>	<b>8,260.46</b>

## 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 2013-14. Further, the consumer contributions, capital subsidies and grants for FY 2014-15 and 2015-16 have been considered to be in the same ratio to the total investments, as received by it in FY 2013-14.

The table below summarizes the amounts considered towards consumer contributions, capital grants and subsidies from FY 2013-14 to 2015-16:


**Table 7-13: Consumer Contribution, Capital Grants & Subsidies up to 2015-16 (Rs Crore)**

Particulars	2013-14	2014-15	2015-16
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	987.39	1,148.31	1,212.12
Additions during the year	220.86	241.81	320.70
Less: Amortisation	59.94	178.00	213.20
<b>Closing Balance</b>	<b>1,148.31</b>	<b>1,212.12</b>	<b>1,319.62</b>

**Table 7-14: Financing of the Capital Investment up to FY 2015-16 (Rs Crore)**

Particulars	Derivation	2013-14	2014-15	2015-16
Investment	A	1,304.32	1,612.05	2,138.02
Less:		-	-	-
Consumer Contribution	B	220.86	241.81	320.70
Investment funded by debt and equity	C=A-B	1,083.46	1,370.24	1,817.31
Debt Funded	70%	758.43	959.17	1,272.12
Equity Funded	30%	325.04	411.07	545.19

Thus, the Petitioner submits that out of the capital investment of Rs. 2,138.02 crore in FY 2015-16, the capital investment through deposit works would be to the tune of Rs. 320.70 crore. Balance Rs. 1,817.31 crore has been considered to be funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 1,272.12 crore or 70% of the capital investment is proposed to be funded through debt and balance 30% equivalent to Rs. 545.19 crore through equity.

  
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## 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 audited accounts for FY 2012-13 and have subsequently added the yearly capitalizations for FY 2013-14, 2015-16 and 2015-16 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. 588.88 crore in FY 2015-16 as depicted in the table below:

**Table 7-15: Gross Allowable Depreciation for FY 2015-16 (Rs Crore)**

Particulars	Derivation	FY 2014-15 Revised Estimates	FY 2015-16 ARR
Depreciation Rate	A	7.84%	7.84%
Opening GFA	B	5,782.15	6,750.17
Additional to GFA during the year	C	968.02	1,510.30
Depreciation on Opening GFA + Additions during the year	$D=(A*B)+(C*A/2)$	491.27	588.42

The Petitioner has projected the depreciation on assets created out of consumer contributions, capital grants and subsidies for FY 2014-15 and 2015-16 in the same ratio as per provisional accounts of FY 2013-14. The Petitioner has reduced the equivalent depreciation amounting to Rs. 178.05 crore and Rs.213.37 crore in FY 2014-15 and 2015-16 respectively in respect of depreciation on assets created out of consumer contributions, capital grants and subsidies.

Thus, the allowable depreciation for FY 2015-16 has been depicted in the table below:

**Table 7-16: Net Allowable Depreciation for FY 2015-16 (Rs Crore)**

Particulars	FY 2014-15	FY 2015-16
<b>Gross Allowable Depreciation</b>	491.27	588.42
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	178.00	213.20
<b>Net Allowable Depreciation</b>	<b>313.27</b>	<b>375.22</b>

## 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 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 2013-14 has been considered for FY 2014-15 and 2015-16, 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 2015-16 (Rs Crore)**

Particulars	2013-14	2014-15	2015-16
Opening Loan	2,108.66	2,239.97	2,885.87
Loan Additions (70% of Investments)	0.00	959.17	1,272.12



Particulars	2013-14	2014-15	2015-16
Less: Repayments (Depreciation allowable for the year)	0.00	313.27	375.22
Closing Loan Balance	6,481.42	2,885.87	3,782.77
Weighted Average Rate of Interest	11.72%	11.72%	11.72%
<b>Interest on long term loan</b>	<b>503.49</b>	<b>300.44</b>	<b>390.87</b>
Interest Capitalisation Rate	29.8%	23.00%	23.00%
Less: Interest Capitalized	15.00	69.10	89.90
<b>Net Interest Charged</b>	<b>488.49</b>	<b>231.34</b>	<b>300.97</b>

#### 7.10 FINANCE CHARGES

The Petitioner has projected finance charges towards expenses such as guarantee fees and bank charges to the tune of Rs. 0.07 crore and Rs. 0.07 crore in FY 2014-15 and 2015-16 respectively. The same have been computed by extrapolating the actual guarantee fees and bank charges incurred in FY 2013-14 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 truing 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 9% for FY 2014-15 and 9.00% for FY 2015-16. 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 2012-13 and additions during the year for FY 2014-15 and 2015-16 are estimated in line with the projected load growth.

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

Particulars	FY 2014-15	FY 2015-16
Opening Balance for Security Deposit	431.85	459.11
Additions during the year	27.26	70.75
<b>Closing Balance for Security Deposit</b>	<b>459.11</b>	<b>529.86</b>

Particulars	FY 2014-15	FY 2015-16
Rate of Interest	9.00%	9.00%
Interest Paid / Payable on Security Deposits	40.09	44.50

## 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.

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 2014-15	FY 2015-16
	Revised Estimates	ARR
One month's O & M Expenses	75.75	80.87
One-twelfth of the sum of the book value of stores, materials and supplies at the end of each month of such financial year	11.19	14.85
Receivables equivalent to 60 days average billing of Beneficiaries	1,068.22	1,223.57
<b>Gross Total</b>	<b>1,155.16</b>	<b>1,319.29</b>
Security Deposits by the beneficiaries (if any )	459.11	529.86

  
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Particulars	FY 2014-15	FY 2015-16
	Revised Estimates	ARR
Net Working Capital	696.05	789.43
Rate of Interest for Working Capital	12.50%	12.50%
Interest on Working Capital	87.01	98.68

### 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 2014-15 and FY 2015-16 (Rs. Crore)

Particulars	FY 2014-15 (Revised Estimates)	FY 2015-16 (ARR)
Interest on Long term Loans	221.72	390.87
Interest on Working Capital Loans	92.42	98.68
<b>Sub Total</b>	<b>314.14</b>	<b>489.54</b>
Interest on Consumer Security Deposits	42.97	44.50
Bank Charges	0.11	0.07
Discount to Consumers		-
<b>Sub Total</b>	<b>43.08</b>	<b>44.57</b>
<b>Gross Total Interest &amp; Finance Charges</b>	<b>357.22</b>	<b>534.12</b>
Less: Capitalization of interest on Long term Loans	51.00	89.90
Interest Capitalization Rate (%)	23.00%	23.00%
<b>Net Interest &amp; Finance Charges</b>	<b>306.22</b>	<b>444.22</b>

### 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.

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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 2014-15 and 2015-16 in line with the provisions stipulated in the Distribution Tariff Regulations. The Provision for Bad and Doubtful Debts for 2014-15 along with projections for the financial year 2015-16 are summarized in the table below:

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

Particulars	FY 2014-15	FY 2015-16
Revenue Receivable	6,498.32	7,443.39
Percentage of Debt allowed	2.00%	2.00%
Provision for Bad Debts	129.97	148.87

#### 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 2013-14. The amount for FY 2014-15 and 2015-16 has been projected to grow at the rate of inflation index from the actuals of FY 2013-14.

**Table 7-22: Other Income (Rs Crore)**

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
Income from Contractor & Suppliers	4.42	4.77	4.96
Rental from Staff	0.01	0.01	0.01
Miscellaneous Receipts	0.48	0.52	0.54
Excess Found on physical Verification of Stores	0.02	0.02	0.02
Interest on Fixed Deposit	19.48	20.98	21.84
<b>Total</b>	<b>24.41</b>	<b>26.29</b>	<b>27.37</b>

  
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## 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 submits that there is huge under recovery in the distribution segment. Any claim towards return on equity would further increase the gap and put extra burdens on the consumers. Thus the Petitioner does not seek any return on equity.

## 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

  
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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 2013-14 as per provisional accounts have been considered as base expenses and the same have been escalated in FY 2014-15 and 2015-16 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 2014-15 is Rs. 37.00 crore and Rs. 38.64 crore for FY 2015-16. 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 2015-16 for overall Discoms is to the tune of Rs. 5,913 crore, out of which the share of the Petitioner is pegged to be Rs. 1,779.62 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 2015-16 at current tariff is summarized in the table below.

**Table 7-23: Annual Revenue Requirement for FY 2015-16 (Rs Crore)**

Particulars (Rs Crore)	FY 2013-14	FY 2014-15	FY 2015-16
	Provisional Accounts	Revised Estimated	ARR Projections
Power Purchase (MU)	14252.93	17076.38	18665.23
Units Sold (MU)	10710.70	13001.30	14434.97
Power Purchase Cost from UPPCL	6636.13	8398.97	9798.93
Intra-state Transmission Charges	228.54	357.18	442.92
Employee Cost (Net of Capitalization)	333.67	423.31	451.93
A&G Expense (Net of Capitalization)	82.43	80.64	90.98
Repair & Maintenance Expense	295.57	316.08	331.70
Interest & Finance Charges (Net)	1259.09	358.51	444.22
Provision for Bad and Doubtful Debts	5.41	129.97	148.87
Depreciation	178.91	313.27	375.22
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	34.37	37.00	38.64
Other Misc Expenses / Incomes	0.00	0.00	0.00
Net Prior Period Credit/Charges	190.26	0.00	0.00
<b>Total Expenses</b>	<b>9244.37</b>	<b>10414.93</b>	<b>12123.40</b>
Less: Other Income	24.41	26.29	27.37
<b>Total Annual Revenue Requirement</b>	<b>9219.95</b>	<b>10388.64</b>	<b>12096.03</b>
Revenue From Existing Tariff	4964.42	6498.32	7443.39
GoUP Subsidy	1891.32	1786.86	1779.62
<b>Remaining Gap</b>	<b>2364.21</b>	<b>2103.46</b>	<b>2873.01</b>

## 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.

  
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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 2015-16 have been estimated into following table:

**Table 7-24: Wheeling and Retail Supply – ARR FY 2015-16 (Rs Crore)**

Particulars (Rs Crore)	Allocation %		Allocation FY 2015-16		
	Wheeling	Supply	Wheeling	Supply	Total
Power Purchase Exp. (incl PGCIL charges)	0%	100%	-	43,059.32	43,059.32
Transmission Ch. Intra state (incl SLDC)	0%	100%	-	1,946.31	1,946.31
Employee cost	60%	40%	1,305.65	870.43	2,176.08
A&G expenses	40%	60%	209.69	314.54	524.23
R&M expenses	90%	10%	1,000.45	111.16	1,111.61
Interest & Finance charges	90%	10%	1,867.49	207.50	2,074.99
Depreciation	90%	10%	1,419.50	157.72	1,577.22
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL			-	169.79	169.79
<b>Total Expenditure</b>			<b>5,802.78</b>	<b>46,836.78</b>	<b>52,639.56</b>
<b>Expense capitalization</b>					-
Employee cost capitalized	60%	40%	195.85	130.57	326.41
Interest capitalized	90%	10%	285.66	31.74	317.40
A&G expenses capitalized	40%	60%	31.45	47.18	78.63
<b>Net Expenditure</b>			<b>5,289.82</b>	<b>46,627.29</b>	<b>51,917.11</b>
<b>Special Appropriations</b>					
Provision for Bad & Doubtful debts	0%	100%	-	719.18	719.18
Provision for Contingency Reserve	0%	100%	-	-	-
Other (Misc.) - Net Prior Period Credit	0%	100%	-	-	-
OTS Waivers	0%	100%	-	-	-
<b>Total net expenditure with provisions</b>			<b>5,289.82</b>	<b>47,346.48</b>	<b>52,636.30</b>
Add: Return on Equity	90%	10%	-	-	-
Less: Non Tariff Income	0%	100%	-	105.98	105.98
<b>Annual Revenue Requirement (ARR)</b>			<b>5,289.82</b>	<b>47,240.50</b>	<b>52,530.32</b>




**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 2015-16**

Particulars	DVVNL	MVVNL	PVVNL	PuVVNL	TOTAL
Net Distribution Wheeling Function ARR	1,285.64	1,031.86	1,739.68	1,232.65	5,289.82
Retail sales by Discom	17,985.18	14,434.97	24,336.84	17,243.94	74,000.92
Wheeling Charge					0.715

  
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## 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 2014-15 was issued on 01st October, 2014 and the revised retail tariff was implemented after due notification. The Petitioner has evaluated a revenue gap of Rs. 2873.01 crore in the ensuing year.

Outlined below is the Revenue Gap for the financial year 2015-16 based on current tariff:

**Table 8-1: Meeting the Gap for FY 2015-16 (Rs Crore)**

Particulars (Rs Crore)	FY 2015-16
Annual Revenue Requirement	12096.03
Less: Revenue Subsidy from GoUP	1779.62
Less: Revenue from Existing Tariff	7443.39
<b>Revenue Gap for FY 2015-16</b>	<b>2873.01</b>

In addition to the above, the revenue gap as per true up petitions filed for FY 2012-13 is to the tune of Rs. 2,774.00. Thus, the total revenue gap which needs to be recovered by the Petitioner from its consumers is to the tune of Rs. 5,647.01 crore along with 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 2012-13	2,774.00
Revenue Gap as per ARR for FY 2015-16	2,873.01
<b>Total</b>	<b>5,647.01</b>

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 2015-16 and True up Petition for FY 2012-13.
- Approve the Annual Revenue Requirement for FY 2015-16 and True up for FY 2012-13.
- 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 true 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.
- Allow the Petitioner to claim discount to consumers at actuals, based on audited accounts at the time of true up for FY 2015-16.
- 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.



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## Appendix 1

## Power Procurement Plan for FY 2015-16

## EXECUTIVE SUMMARY

This report presents the list of key assumptions and methodology employed for estimating the power procurement plan and cost therein for FY 2015-16.

The key inputs to the power procurement plan are the load forecast for the year 2015-16, technical parameters of thermal plants of UPRVUNL & UPJVNL plants, fuel costs and tariff (i.e. capacity and energy charges) for central sector plants as well as State Sector & IPPs. For UPRVUNL & UPJVNL plants, the Petitioner has taken in to consideration the respective Multi-year Tariff (MYT) Orders issued by 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 August-2013 is enclosed as Annex-6 of this Petition.

Considering the study of the actual data for the first six months of the current year FY 2014-15, the revised energy sales (retail and bulk) for FY 2014-15 is proposed at 67,903 MU and the revised T&D losses are estimated to be 29.76%. Considering the above, the total energy to be procured is approximately 96,669 MU.

The energy sales, system losses and total power procurement costs for previous year, current year as well as for the ensuing year 2015-16 are provided below:

Particulars	Unit	2014-15	2015-16
		Revised Estimates	ARR Projections
Energy Sales	MU	67,903	76,908
System Losses	%	29.76%	29.25%
Energy Required	MU	96,669	1,08,707



Particulars	Unit	2014-15	2015-16
		Revised Estimates	ARR Projections
Total Power Procurement Cost including PGCIL Charges	Rs Crore	38,508	44,781
Average Power Procurement Cost at Input	Rs/kWh	3.98	4.12

At present, the state is facing acute power shortage throughout the day and currently, the demand supply gap during peak hours stands at around 2000 MW. UPPCL is trying to purchase power from all the available sources to reduce the demand supply gap.

In view of huge demand supply gap in the system, the applicability of merit order dispatch principle for estimating the power purchase cost for the next year is limited and UPPCL has considered the entire power available from all the possible sources in the ensuing year 2015-16 to meet the demand to the extent possible.


The energy requirement for the ensuing year 2015-16 is 1,08,707 MU which has to be procured from the existing resources (State, Central and Joint Venture generating Stations) with which petitioner has PPAs. If all these sources fail to supply the requisite amount of energy, the balance energy will be procured through energy exchanges/UI/short-term contracts with trading companies and utilities, which are having extra power and other sources as well. A marginal amount of energy has been envisaged to be obtained from energy exchanges to manage the peaks.

#### 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 UPJVNL. The Multi Year Tariff (MYT) orders issued by the Commission for UPRVUNL and UPJVNL for their respective power stations for FY 2009-10 to 2013-14 form the basis for determining the costs for FY 2014-15 and thereafter escalations have been considered in the Fixed & Variable Charges for determination of cost for FY 2015-16.

The computation of cost of power procurement for FY 2015-16 has been done based on

- Provisional power purchase cost and units of FY 2013-14
- 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.

  
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The cost of energy available from State Thermal and Hydro generating stations has been derived by the Licensee from tariffs approved by the State Commission in Review Order dated 20<sup>th</sup> March, 2012 and the True-up Order dated 14<sup>th</sup> November, 2013 for the purpose of fixed charges, whereas for determination of variable charges actual bills for the period April to September, 2014 have been considered. Thus the total power purchased from State Thermal and Hydro Generating Stations for FY 2015- 16 is given in the table below:

#### DETAILS OF POWER PURCHASE COST FROM UPRUVNL STATIONS FOR FY2015-16

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.)	
Anpara A	630	3848	0.63	241	1.91	733	2.53	974	2.53
Anpara B	1000	6314	1.09	691	1.83	1,156	2.92	1,847	2.92
Harduaganj	165	259	2.13	55	5.10	132	7.23	187	7.23
Obra A	288	779	0.94	73	2.43	189	3.37	263	3.37
Obra B	1000	4158	0.61	255	2.52	1,048	3.14	1,304	3.14
Panki	210	907	1.09	99	4.36	396	5.45	495	5.45
Parichha	220	323	0.98	32	3.91	126	4.89	158	4.89
Parichha Extn.	420	2512	1.28	322	3.33	837	4.61	1,159	4.61
Parichha Extn. Stage II (2X250MW)	500	3308	1.81	597	3.23	1,067	5.03	1,665	5.03
Harduaganj Ext. (2X250MW)	500	3158	1.95	615	3.44	1,086	5.38	1,700	5.38
Anpara D	1000	2916	1.18	344	1.79	521	2.96	864	2.96
<b>Total</b>	<b>5933</b>	<b>28482</b>	<b>1.17</b>	<b>3,324</b>	<b>2.56</b>	<b>7,291</b>	<b>3.73</b>	<b>10,615</b>	<b>3.73</b>

#### DETAILS OF POWER PURCHASE COST FROM UPJVNL STATIONS FOR FY 2015-16

Source of Power	MW Available	MU	Total Cost	
			(Rs. / kWh)	(Rs. Cr.)
Khara	58	151	0.75	11.35
Matatila	20	53	0.68	3.56
Obra (Hydel)	99	260	0.66	17.06
Rihand	255	670	0.57	38.37
UGC Power Stations	14	36	2.22	7.98
Belka & Babail	6	16	2.34	3.69
Sheetla	4	9	2.84	2.69
<b>Total</b>	<b>455</b>	<b>1195</b>	<b>0.71</b>	<b>84.70</b>

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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 UPRVNL - FY 2015-16**

S. No.	Particulars	Assumption
1	<b>Power Purchase Quantum</b>	<p>1. Net Power Purchase Quantum is considered based on the Actual Availability for FY 2014-15 for all power stations. Further a certain improvement in PLF has also been considered as presently some of the units are under R&amp;M and will soon be commissioning again.</p> <p>2. Thereafter, Merit Order Despatch is Must-run for approval of quantum.</p>
2	<b>Fixed &amp; Variable Charges</b>	<p>Fixed Charges have been considered as per UPERC's Review Order dated 14.11.2013 for UPRVNL for FY 2009-10 to 2013-14 plus escalation in the O&amp;M cost at 4.10% for FY 2014-15 and FY 2015-16.</p> <p>The variable charges have been considered as per the actual bills raised by UPRVNL for the period April to September, 2014 including the bills raised for Fuel Cost Adjustment.</p>

**ASSUMPTIONS FOR POWER PURCHASE FROM UPJVNL - FY 2015-16**

S. No.	Particulars	Assumption
1	<b>Power Purchase Quantum</b>	<p>1. Net Power Purchase Quantum from all power stations except Belka &amp; Babail is considered as per UPERC's MYT Tariff Order dated 20.10.2011 for UPJVNL for FY 2009-10 to 2013-14</p> <p>2. Net Power Purchase from Belka &amp; Babail is taken as per the recent bills.</p> <p>3. Hydro Stations are considered Must-run in Merit Order Despatch</p>
2	<b>Fixed &amp; Variable Charges</b>	The same have been considered as per the actual bills raised by UPJNL for the period April to September, 2014.

  
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**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.

UPPCL's current Allocated share from various Central Sector Plants is projected as per NRPC circular (NRPC/ OPR/ 103/ 02/ 2014-15) dated 12.11.2014.. 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 of August, 2014 and are inclusive of FPA. All variable costs have been escalated by 6% for FY 2015-16

The cost of power procurement for FY 2015-16 from these sources has been based on:

- Provisional power purchase cost and units of FY 2013-14
- Trend observed in the previous and current year (Copies of power purchase bills for the month of August 2014 have been enclosed for the prudence check by the Hon'ble Commission)
- 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 by Central Electricity Regulatory Commission. The cost of power purchase from IPPs within the State has been determined in accordance with UPERC (Terms and Conditions of Generation Tariff) Regulations, 2009. 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 2015-16 have not been issued, the base year tariffs i.e., for FY 2014-15 have been escalated by 4.10% in case of fixed charges (only on O&M Expenses), 6.00% in case of variable charges and 15% for gas based stations.

The power purchased from NTPC generating stations for FY 2015-16 is provided in table given below:

**DETAILS OF POWER PURCHASE COST FROM NTPC STATIONS FOR FY 2015-16**

Source of Power	MW Available	MU	Fixed Cost	Variable Cost	Total Cost	Average Cost
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			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Anta	119	813	0.74	59.77	3.26	264.85	3.99	324.62	3.99
Auriya	244	1640	0.56	91.16	4.36	715.10	4.92	806.26	4.92
Dadri Thermal	84	613	0.86	52.51	4.15	254.08	5.00	306.58	5.00
Dadri Gas	272	1925	0.57	109.54	4.17	802.39	4.74	911.94	4.74
Dadri Extension	150	1097	1.62	177.49	3.92	430.34	5.54	607.84	5.54
Rihand-I	373	2661	0.82	217.11	1.76	467.63	2.57	684.74	2.57
Rihand-II	348	2478	0.95	234.71	1.79	443.78	2.74	678.48	2.74
Singrauli	849	6151	0.54	332.64	1.32	809.26	1.86	1,141.89	1.86
Tanda	440	3136	1.05	330.58	3.52	1,105.20	4.58	1,435.78	4.58
Unchahar-I	258	1927	0.87	166.98	2.91	560.81	3.78	727.79	3.78
Unchahar-II	153	1145	0.90	102.56	2.86	327.41	3.76	429.96	3.76
Unchahar-III	75	560	1.37	76.89	2.86	160.14	4.23	237.03	4.23
Farakka	33	217	0.86	18.56	3.65	79.03	4.50	97.59	4.50
Kahalgaoon St. I	77	528	0.96	50.56	2.98	157.24	3.94	207.80	3.94
Kahalgaoon St. II Ph.I	251	1729	1.22	211.65	2.81	486.12	4.04	697.77	4.04
Koldam (Hydro)	95	414	1.56	64.57	-	-	1.56	64.57	1.56
Rihand-III	377	2691	1.32	355.96	1.82	491.06	3.15	847.01	3.15
<b>Total</b>	<b>4197</b>	<b>29724</b>		<b>2,653.23</b>		<b>7,554.41</b>		<b>10,207.65</b>	<b>3.43</b>

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 2015-16**

S. No.	Particulars	Assumption
1	<b>Power Purchase Quantum</b>	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.
2	<b>Fixed Charges</b>	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

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		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, 2014

## METHODOLOGY FOR POWER PURCHASE FROM NTPC - FY 2015-16

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 (2011-12, 2012-13 and 2013-14). 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 2014-15 both firm and unallocated quota has been considered as per the NRPC circular (NRPC/ OPR/ 103/ 02/ 2014-15) dated 12.11.2014.

The summary of power purchased from NHPC generating stations for FY 2015-16 is provided in table given below:

## DETAILS OF POWER PURCHASE COST FROM NHPC STATIONS 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)
Chamera	109	336	0.60	20.30	1.07	35.79	1.67	56.09	1.67
Chamera-II	86	393	1.36	53.50	1.70	66.80	3.06	120.30	3.06
Chamera-III	62	283	2.00	56.55	2.20	62.20	4.20	118.75	4.20
Dhauliganga	75	282	1.10	31.15	1.45	40.99	2.56	72.14	2.56
Salal I&II	48	252	0.60	15.20	0.48	12.07	1.08	27.28	1.08
Tanakpur	21	103	1.70	17.47	1.15	11.84	2.85	29.30	2.85
Uri	96	497	1.05	51.95	0.81	39.99	1.85	91.94	1.85
Dulhasti	111	517	2.82	145.96	3.08	159.23	5.90	305.19	5.90
Sewa-II	35	137	1.89	25.85	2.34	31.95	4.23	57.80	4.23
Uri-II	25	111	4.98	55.11	1.75	19.40	6.73	74.50	6.73
Parbati ST-II	160	0	-	-	-	-	-	-	-
Parbati ST-III	104	383	1.41	53.98	3.18	121.53	4.59	175.51	4.59
<b>Total</b>	<b>934</b>	<b>3292</b>		<b>527.01</b>		<b>601.79</b>		<b>1,128.80</b>	<b>3.43</b>

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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 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, 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 NRRC 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, 2014

#### METHODOLOGY FOR POWER PURCHASE FROM NHPC - FY 2015-16

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 2014-15 both firm and unallocated quota has been considered as per the NRPC circular (NRPC/ OPR/ 103/ 02/ 2014-15) dated 12.11.2014.

The summary of power purchased from NPCIL generating stations for FY 2015-16 is provided in table given below:

#### DETAILS OF POWER PURCHASE COST FROM NPCIL STATIONS FOR FY 2015-16

Source of Power	MW Available	MU	Fixed Cost	Variable Cost	Total Cost	Average Cost
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			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
NAPP	167	937	-	-	2.79	261.86	2.79	261.86	2.79
RAPP #3&4	80	604	-	-	3.12	188.62	3.12	188.62	3.12
RAPP#5&6	115	802	-	-	3.86	309.52	3.86	309.52	3.86
<b>Total</b>	<b>362</b>	<b>2343</b>				<b>760.01</b>		<b>760.01</b>	<b>3.24</b>

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 2015-16

S. No.	Particulars	Assumption
1	<b>Power Purchase Quantum</b>	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	<b>Tariff (Single part)</b>	Variable cost is considered as per the recent energy bills raised for the period April to September, 2014

#### METHODOLOGY FOR POWER PURCHASE FROM NPCIL - FY 2015-16

S. No.	Particulars	Assumption
1	<b>Capacity Factor</b>	Capacity factor is considered to be the average of the capacity factor recorded at respective power stations for the last three year's (2011-12, 2012-13 and 2013-14). Capacity factors are sourced from official website of NPCIL.
2	<b>UP State's Share in power plants</b>	Allocation of Power from various central generating stations for FY 2014-15 both firm and unallocated quota has been considered as per the NRPC circular (NRPC/ OPR/ 103/ 02/ 2014-15) dated 12.11.2014.

The summary of total power purchased from IPPs and Joint Ventures (JVs) for FY 2015-16 is provided in table given below:

#### DETAILS OF POWER PURCHASE COST FROM IPPS / JVs 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)



NATHPA JHAKRI HPS	288	1387	1.60	221.64	1.46	203.00	3.06	424.65	3.06192
TALA POWER	45	181	-	-	2.47	44.81	2.47	44.81	2.47192
Koteshwar	173	570	2.02	115.00	2.20	125.12	4.22	240.12	4.21561
Srinagar	290	519	3.02	156.57	-	-	3.02	156.57	3.01882
Sasan	495	2081	0.18	36.96	1.29	268.84	1.47	305.80	1.46923
Teesta St-III	0	0	-	-	-	-	-	-	#DIV/0!
Karcham-Wangtoo	200	158	-	-	4.00	63.01	4.00	63.01	3.9962
VISHNUPRAYAG	352	1623	1.01	164.24	1.40	227.18	2.41	391.42	2.41196
TEHRI STAGE-I	419	1811	1.88	340.47	2.58	467.21	4.46	807.68	4.45979
Rosa Power Project	600	4066	1.70	689.88	4.33	1,758.69	6.02	2,448.57	6.02278
Rosa Power Project	600	4066	1.70	689.88	4.33	1,758.69	6.02	2,448.57	6.02278
Bara	1188	1115	-	-	3.20	357.01	3.20	357.01	3.2012
Anpara 'C'	1100	7015	1.19	833.81	2.71	1,899.58	3.90	2,733.39	3.89648
IGSTPP, Jhajhhar	51	358	1.61	57.68	4.39	157.44	6.00	215.12	6.00135
Bajaj Hindusthan	450	2982	2.25	671.00	4.71	1,403.51	6.96	2,074.51	6.95649
Lalitpur	1782	8022	1.40	1,123.08	1.98	1,588.35	3.38	2,711.43	3.38
<b>Total</b>	<b>8032</b>	<b>35953</b>		<b>5100</b>		<b>10322</b>		<b>15423</b>	<b>4.29</b>

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	<b>Power Purchase Quantum</b>	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	<b>Tariff (Single part &amp; Two part)</b>	Variable cost is considered as per the recent energy bills raised for the period April to September, 2014

The summary of power purchased from Co-generating stations for FY 2015-16 is provided in table given below:

  
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**POWER PURCHASE COST: STATE CO-GENERATION FACILITIES FOR FY 2015-16**

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			4.90	1,403.05	4.90	1,403.05	4.90

The summary of power purchase from bilateral and other sources for FY 2015-16 is provided in the given below:

**POWER PURCHASE COST: OTHER SOURCES FY 2015-16**

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	4416			5.04	2,223.62	5.04	2,223.62	5.04
Solar Energy	84			11.81	99.19	11.81	99.19	11.81
NVVN Coal Power	352			3.00	105.38	3.00	105.38	3.00
<b>Total</b>	<b>4852</b>						<b>2428</b>	<b>5.58</b>

  
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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 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	3,848	0.63	241	1.91	733	2.53	974	2.53
Anpara B	1,000	6,314	1.09	691	1.83	1,156	2.92	1,847	2.92
Harduaganj	165	259	2.13	55	5.10	132	7.23	187	7.23
Obra A	288	779	0.94	73	2.43	189	3.37	263	3.37
Obra B	1,000	4,158	0.61	255	2.52	1,048	3.14	1,304	3.14
Panki	210	907	1.09	99	4.36	396	5.45	495	5.45
Parichha	220	323	0.98	32	3.91	126	4.89	158	4.89
Parichha Extn.	420	2,512	1.28	322	3.33	837	4.61	1,159	4.61
Parichha Extn. Stage II	500	3,308	1.81	597	3.23	1,067	5.03	1,665	5.03
Harduaganj Ext.	500	3,158	1.95	615	3.44	1,086	5.38	1,700	5.38
Anpara D	1,000	2,916	1.18	344	1.79	521	2.96	864	2.96
Sub total - Thermal	5933	28482		3324		7291		10615	3.73
Per unit Avg Rate of Thermal Generation								3.73	
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	0.60	40			0.60	40	0.60
UGC Power Stations	14	36	2.31	8			2.31	8	2.31
Belka & Babail	6	16	2.44	4			2.44	4	2.44
Sheetla	4	9	2.96	3			2.96	3	2.96
Sub total - Hydro	455	1195		88.17		0.00		88.17	0.74
Purchase Per unit Avg Rate from hydro generating stations								0.74	
Sub-Total Own generation	6388	29678		3,412.25		7,291.02		10,703.27	3.61
Procurement of power from Central Sector Generating Stations									




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.)	
Anta	119	813	0.74	60	3.26	265	3.99	325	3.99
Auriya	244	1,640	0.56	91	4.36	715	4.92	806	4.92
Dadri Thermal	84	613	0.86	53	4.15	254	5.00	307	5.00
Dadri Gas	272	1,925	0.57	110	4.17	802	4.74	912	4.74
Dadri Extension	150	1,097	1.62	177	3.92	430	5.54	608	5.54
Rihand-I	373	2,661	0.82	217	1.76	468	2.57	685	2.57
Rihand-II	348	2,478	0.95	235	1.79	444	2.74	678	2.74
Singrauli	849	6,151	0.54	333	1.32	809	1.86	1,142	1.86
Tanda	440	3,136	1.05	331	3.52	1,105	4.58	1,436	4.58
Unchahar-I	258	1,927	0.87	167	2.91	561	3.78	728	3.78
Unchahar-II	153	1,145	0.90	103	2.86	327	3.76	430	3.76
Unchahar-III	75	560	1.37	77	2.86	160	4.23	237	4.23
Farakka	33	217	0.86	19	3.65	79	4.50	98	4.50
Kahalgaoon St. I	77	528	0.96	51	2.98	157	3.94	208	3.94
Kahalgaoon St. II Ph.I	251	1,729	1.22	212	2.81	486	4.04	698	4.04
Koldam (Hydro)	95	414	1.56	65	-	-	1.56	65	1.56
Rihand-III	377	2,691	1.32	356	1.82	491	3.15	847	3.15
<b>Sub-Total NTPC</b>	<b>4197</b>	<b>29724</b>		<b>2653</b>		<b>7554</b>		<b>10208</b>	<b>3.43</b>
Chamera	109	336	0.60	20	1.07	36	1.67	56	1.67
Chamera-II	86	393	1.36	53	1.70	67	3.06	120	3.06
Chamera-III	62	283	2.00	57	2.20	62	4.20	119	4.20
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.85	29	2.85
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	25	111	4.98	55	1.75	19	6.73	75	6.73
Parbati ST-III	104	383	1.41	54	3.18	122	4.59	176	4.59
<b>Sub-Total NHPC</b>	<b>774</b>	<b>3292</b>		<b>527.01</b>		<b>601.79</b>		<b>1,128.80</b>	<b>3.43</b>
NAPP	167	937	-	-	2.79	262	2.79	262	2.79
RAPP #3&4	80	604	-	-	3.12	189	3.12	189	3.12
RAPP#5&6	115	802	-	-	3.86	310	3.86	310	3.86
<b>Sub-Total NPCIL</b>	<b>362</b>	<b>2343</b>				<b>760.01</b>		<b>760.01</b>	<b>3.24</b>

  
 SUPERINTENDING ENGINEER (COM.) 140  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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)
NATHPA JHAKRI HPS	288	1,387	1.60	222	1.46	203	3.06	425	3.06
TALA POWER	45	181	-	-	2.47	45	2.47	45	2.47
Koteshwar	173	570	2.02	115	2.20	125	4.22	240	4.22
Srinagar	290	519	3.02	157	-	-	3.02	157	3.02
Sasan	495	2,081	0.18	37	1.29	269	1.47	306	1.47
Teesta St-III									
Karcham-Wangtoo	200	158	-	-	4.00	63	4.00	63	4.00
VISHNUPRAYAG	352	1,623	1.01	164	1.40	227	2.41	391	2.41
TEHRI STAGE-I	419	1,811	1.88	340	2.58	467	4.46	808	4.46
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Bara	1,188	1,115	-	-	3.20	357	3.20	357	3.20
Anpara 'C'	1,100	7,015	1.19	834	2.71	1,900	3.90	2,733	3.90
IGSTPP, Jhajhhar	51	358	1.61	58	4.39	157	6.00	215	6.00
Bajaj Hindusthan	450	2,982	2.25	671	4.71	1,404	6.96	2,075	6.96
Lalitpur	1,782	8,022	1.40	1,123	1.98	1,588	3.38	2,711	3.38
<b>Sub-Total IPP/JV</b>	<b>8032</b>	<b>35953</b>		<b>5100</b>		<b>10322</b>		<b>15423</b>	<b>4.28966</b>
Captive and Cogen	-	2,865	-	-	4.90	1,403	4.90	1,403	4.90
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,416	-	-	5.04	2,224	5.04	2,224	5.04
Solar Energy	-	84	-	-	11.81	99	11.81	99	11.81
NVVN Coal Power	-	352	-	-	3.00	105	3.00	105	3.00
<b>Sub-Total : Co-Generation &amp; Other Sources</b>	<b>-</b>	<b>7717</b>				<b>3,831.24</b>		<b>3,831.24</b>	<b>4.96</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Viran Nigam Limited  
 Vidyut Nagar, P.O. 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)
Grand Total of Power Purchase	19753	108707		11,692.71		30,360.9		42,053.61	3.87

SUPERINTENDING ENGINEER (COM.)  
Purvanchal Vidyut Vitran Nigam Limited  
Vidyut Nagar, P.O. D.L.W., Varanasi



**MERIT ORDER DISPATCH**

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

**MERIT ORDER DISPATCH FY 2015-16**

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	Koldam (Hydro)	NTPC	Must Run	0.00	414	1609
9	Srinagar	IPP/JV/Others	Must Run	0.00	519	2128
10	Salal I&II	NHPC	Must Run	0.48	252	2380
11	Uri	NHPC	Must Run	0.81	497	2877
12	Chamera	NHPC	Must Run	1.07	336	3212
13	Tanakpur	NHPC	Must Run	1.15	103	3315
14	Sasan	IPP/JV/Others	Must Run	1.29	2081	5397
15	Singrauli	NTPC	Must Run	1.32	6151	11547
16	VISHNUPRAYAG	IPP/JV/Others	Must Run	1.40	1623	13170
17	Dhauliganga	NHPC	Must Run	1.45	282	13452
18	NATHPA JHAKRI HPS	IPP/JV/Others	Must Run	1.46	1387	14839
19	Chamera-II	NHPC	Must Run	1.70	393	15232
20	Uri-II	NHPC	Must Run	1.75	111	15343
21	Rihand-I	NTPC	Must Run	1.76	2661	18004
22	Anpara D	UPRVNL-Thermal	Must Run	1.79	2916	20920
23	Rihand-II	NTPC	Must Run	1.79	2478	23398
24	Rihand-III	NTPC	Must Run	1.82	2691	26089
25	Anpara B	UPRVNL-Thermal	Must Run	1.83	6314	32403
26	Anpara A	UPRVNL-Thermal	Must Run	1.91	3848	36251
27	Lalitpur	IPP/JV/Others	Merit	1.98	8022	44273
28	Koteshwar	IPP/JV/Others	Must Run	2.20	570	44843
29	Chamera-III	NHPC	Must Run	2.20	283	45126
30	Sewa-II	NHPC	Must Run	2.34	137	45262
31	Obra A	UPRVNL-Thermal	Must Run	2.43	779	46041



S.No.	Source of Power	Type	Dispatch Mode	Variable Charge (Rs / kWh)	Power Procurement (MU)	Cumulative Procurement (MU)
32	TALA POWER	IPP/JV/Others	Must Run	2.47	181	46222
33	Obra B	UPRVNL-Thermal	Must Run	2.52	4158	50381
34	TEHRI STAGE-I	IPP/JV/Others	Must Run	2.58	1811	52192
35	Anpara 'C'	IPP/JV/Others	Must Run	2.71	7015	59207
36	NAPP	NPCIL	Must Run	2.79	937	60144
37	Kahalgaon St.II Ph.I	NTPC	Must Run	2.81	1729	61873
38	Unchahar-III	NTPC	Must Run	2.86	560	62433
39	Unchahar-II	NTPC	Must Run	2.86	1145	63578
40	Unchahar-I	NTPC	Must Run	2.91	1927	65505
41	Kahalgaon St. I	NTPC	Must Run	2.98	528	66033
42	NVVN Coal Power	IPP/JV/Others	Merit	3.00	352	66384
43	Dulhasti	NHPC	Must Run	3.08	517	66901
44	RAPP #3&4	NPCIL	Must Run	3.12	604	67505
45	Parbati ST-III	NHPC	Must Run	3.18	383	67888
46	Bara	IPP/JV/Others	Merit	3.20	1115	69003
47	Parichha Extn. Stage II	UPRVNL-Thermal	Must Run	3.23	3308	72312
48	Anta	NTPC	Must Run	3.26	813	73124
49	Parichha Extn.	UPRVNL-Thermal	Must Run	3.33	2512	75636
50	Harduaganj Ext.	UPRVNL-Thermal	Must Run	3.44	3158	78794
51	Tanda	NTPC	Must Run	3.52	3136	81929
52	Farakka	NTPC	Must Run	3.65	217	82146
53	RAPP#5&6	NPCIL	Must Run	3.86	802	82948
54	Parichha	UPRVNL-Thermal	Must Run	3.91	323	83271
55	Dadri Extension	NTPC	Must Run	3.92	1097	84369
56	Karcham-Wangtoo	IPP/JV/Others	Must Run	4.00	158	84526
57	Dadri Thermal	NTPC	Must Run	4.15	613	85139
58	Dadri Gas	NTPC	Must Run	4.17	1925	87064
59	Rosa Power Project	IPP/JV/Others	Merit	4.33	4066	91130
60	Rosa Power Project	IPP/JV/Others	Merit	4.33	4066	95195
61	Auriya	NTPC	Must Run	4.36	1640	96835
62	Panki	UPRVNL-Thermal	Must Run	4.36	907	97743
63	IGSTPP, Jhajhjar	IPP/JV/Others	Must Run	4.39	358	98101
64	Bajaj Hindusthan	IPP/JV/Others	Merit	4.71	2982	101083




S.No.	Source of Power	Type	Dispatch Mode	Variable Charge (Rs / kWh)	Power Procurement (MU)	Cumulative Procurement (MU)
65	Captive and Cogen	IPP/JV/Others	Merit	4.90	2865	103948
66	Inter system exchange (Bilateral & PXIL, IEX) / UI	IPP/JV/Others	Merit	5.04	4416	108364
67	Harduagunj	UPRVNL-Thermal	Must Run	5.10	259	108623
68	Solar Energy	IPP/JV/Others	Merit	11.81	84	108707

SUPERINTENDING ENGINEER (COM)  
Purvanchal Vidyut Nigam Ltd., Lucknow  
Vidya Nagar, P.O. 226 002

**SUMMARY OF MONTHLY POWER PURCHASE FOR FY 2015-16**

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	9,479	10,418	10,386	10,400	10,493	8,792	8,743	7,807	8,118	8,291	7,289	8,490	1,08,707
Allocation of Approved Power Purchase (MU) among Discoms													
DVVNL	2,449	2,692	2,684	2,687	2,711	2,272	2,259	2,017	2,098	2,142	1,883	2,194	28,088
MVVNL	1,717	1,577	1,572	1,574	1,588	1,331	1,323	1,182	1,229	1,255	1,103	1,285	19,685
PVNNL	2,875	3,160	3,150	3,154	3,182	2,666	2,651	2,368	2,462	2,514	2,211	2,575	32,967
PuVVNL	2,074	2,280	2,273	2,276	2,296	1,924	1,913	1,708	1,776	1,814	1,595	1,858	23,787
KESCO	365	401	399	400	403	338	336	300	312	319	280	326	4,180

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



## **Annexure-1**

### **Tariff Filing Formats as prescribed by Distribution Tariff Regulations**


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

	<b>Summary Formats</b>		
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
	<b>Financial Formats</b>		
10	Sheet	F1 (a1)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2013-14
11	Sheet	F1 (a2)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2014-15
12	Sheet	F1 (a3)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2015-16
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 2015-16
35	Sheet	T3	Revenue Assessment, Sales & Through Rate :FY 2014-15
36	Sheet	T4	Revenue Assessment, Sales & Through Rate :FY 2015-16
	<b>Performance Formats</b>		
37	Sheet	P1	Agewise Analysis of Revenue Arrears
38	Sheet	P1a	Agewise Analysis of Revenue Arrears of Government
39	Sheet	P2	Distribution Losses in LT and HT System
43	Sheet	P3	Consumer Complaint
44	Sheet	P4	Voltage Profile
47	Sheet	P7	Failure of Transformers
48	Sheet	P8	Billing Periodicity
52	Sheet	P12	Debt Restructuring
53	Sheet	P13	Release of New service Connections

*(Signature)*  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Profit & Loss Account						Form SI
S.No	Particulars	FY 2012-13 Audited	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
<b>A</b>	<b>Revenue</b>					
1	Revenue from sale of power	4117.43	4117.43	4964.42	6498.32	7443.39
2	Other Non-tariff income	17.27	17.27	24.41	26.29	27.37
3	Revenue subsidies & grants	999.72	999.72	1891.32	1786.86	1779.62
4	Revenue from Bulk Sales to Torrent Power Ltd	0.00	0.00	0.00	0.00	0.00
	<b>Total Revenue or Income</b>	<b>5134.42</b>	<b>5134.42</b>	<b>6880.16</b>	<b>8311.47</b>	<b>9250.38</b>
<b>B</b>	<b>Expenditure*</b>					
1	Purchase of Power from own and State Generating Stations	5788.17	6433.29	6636.13	8398.97	9798.93
2	Purchase of Power from Other Sources					
3	Intra-State Transmission Charges	278.99	291.87	228.54	357.18	442.92
4	Repairs and Maintenance	266.49	266.49	295.57	316.08	331.70
5	Employee costs	407.40	407.40	458.03	498.02	531.68
6	Administration and General expenses	69.69	69.69	109.98	94.87	107.03
7	Net prior period credit charges	(51.17)	(51.17)	190.26	0.00	0.00
8	Other Debits, Write-offs	65.39	82.35	5.41	129.97	148.87
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	(105.27)	(105.27)	(151.91)	(88.93)	(95.81)
	Contingency Reserve	0.00	0.00	0.00	0.00	0.00
<b>C</b>	<b>PBDIT</b>	<b>(1585.27)</b>	<b>(2260.22)</b>	<b>(891.84)</b>	<b>(1394.69)</b>	<b>(2014.94)</b>
<b>D</b>	<b>Less Depreciation and Related debits</b>	<b>131.55</b>	<b>267.15</b>	<b>178.91</b>	<b>313.27</b>	<b>375.22</b>
<b>E</b>	<b>PBIT</b>	<b>(1716.82)</b>	<b>(2527.38)</b>	<b>(1070.75)</b>	<b>(1707.96)</b>	<b>(2390.16)</b>
1	Interest & Finance Charges	880.51	255.02	1274.08	427.61	534.12
2	Less: Interest Capitalized	(64.50)	(64.50)	(15.00)	(69.10)	(89.90)
<b>F</b>	<b>Total Interest and Finance Charges</b>	<b>816.02</b>	<b>190.53</b>	<b>1259.09</b>	<b>358.51</b>	<b>444.22</b>
<b>G</b>	<b>TOTAL EXPENDITURE</b>	<b>7667.26</b>	<b>7852.32</b>	<b>9210.00</b>	<b>10377.93</b>	<b>12084.76</b>
<b>H</b>	<b>Profit/Loss before Tax</b>	<b>(2532.84)</b>	<b>(2717.90)</b>	<b>(2329.84)</b>	<b>(2066.46)</b>	<b>(2834.38)</b>
<b>I</b>	<b>Add: Allocation of Interest Charges and O&amp;M of UPPCL</b>	<b>0.00</b>	<b>32.04</b>	<b>34.37</b>	<b>37.00</b>	<b>38.64</b>
<b>J</b>	<b>Add: Efficiency Gains</b>	<b>0.00</b>	<b>24.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>K</b>	<b>Profit/Loss before Tax</b>	<b>(2532.84)</b>	<b>(2774.00)</b>	<b>(2364.21)</b>	<b>(2103.46)</b>	<b>(2873.02)</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
I.	<b>SOURCES OF FUNDS</b>					
	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					
	<b>TOTAL SOURCES OF FUNDS (A+B+C+D)</b>					
II.	<b>APPLICATION OF FUNDS</b>					
	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					
	<b>TOTAL APPLICATION OF FUNDS</b>					


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.

*Sh*  
SUPERINTENDING ENGINEER (COM.)  
Purvanchal Vidyut Vitran Nigam Limited  
Vidyut Nagar, P.O. D.L.W., Varanasi



S.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	Provisional Accounts	Revised Estimates	ARR
<b>A</b>	<b>Net Funds from Operations:</b>				
	Net (loss)/ profit before tax but after exceptional/ extra ordinary items				
	<b>Adjustments for :</b>				
	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)				
	Dimunition in value of investments				
	<b>Operating profits before working capital changes</b>				
	<b>Adjustment for changes in working capital</b>				
	(Increase)/ decrease in sundry debtors				
	(Increase)/ decrease in other receivables				
	(Increase)/ decrease in inventories				
	Increase /(decrease) in in trade and other payables				
	<b>Cash generated from operations</b>				
	<b>Taxes (paid)/ received (net of TDS)</b>				
	<b>Net cash from operating activities</b>				
<b>B</b>	<b>Case flow from investing activities</b>				
	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)				
	<b>Net cash used in investing activities</b>				
<b>C</b>	<b>Cash flow from financing activities</b>				
	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.


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W. Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Cash Flow Statement				Form No: S3	
S.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		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				
	<b>Net cash generated from financing activities</b>				
	<b>Net increase / (decrease) in cash or cash equivalent (A+B+C)</b>				
	<b>Cash/ Cash equivalent as at the beginning of the year</b>				
	<b>Cash/ Cash equivalent as at the end of the year</b>				

SUPERINTENDING ENGINEER (COM.)  
Purvanchal Vidyut Vitran Nigam Limited  
Vidyut Nagar, P.O. D.L.W., Varanasi



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Annual Revenue Requirement					Form No: S4	
S.No	Particulars	FY 2012-13 Audited	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
	Power Purchase or Energy Available (MU)	16,033.71	16,033.71	16,928.91	19,988.66	22,554.84
	Sale of Power (MU)	11,919.92	11,919.92	12,742.52	15,144.48	17,243.94
	Loss %	25.66%	25.66%	24.73%	24.23%	23.55%
1	Receipts					
	Revenue from tariffs & Miscell. Charges (incl bulk sales to					
a	TPL)	4,117.43	4,117.43	4,964.42	6,498.32	7,443.39
b	Subsidy from Govt.	999.72	999.72	1,891.32	1,786.86	1,779.62
c	Torrent power ltd					
	Total	5,117.15	5,117.15	6,855.75	8,285.18	9,223.01
2	Expenditure					
a	Purchase of Power	5,788.17	6,433.29	6,636.13	8,398.97	9,798.93
b	Purchase of Power from Other Sources					
c	Intra-State Transmission Charges	278.99	291.87	228.54	357.18	442.92
d	R&M Expense	266.49	266.49	295.57	316.08	331.70
e	Employee Expenses	407.40	407.40	458.03	498.02	531.68
f	A&G Expense	69.69	69.69	109.98	94.87	107.03
g	Depreciation	131.55	267.15	178.91	313.27	375.22
h	Interest & Finance Charges	880.51	255.02	1,274.08	427.61	534.12
i	Less: Interest & other expenses capitalised	169.77	169.77	166.91	158.03	185.71
j	Other Debits (incl. Prov for Bad debts)	65.39	82.35	5.41	129.97	148.87
k	Extraordinary Items(OTS)	-	-	-	-	-
l	Other (Misc.)-net prior period credit	- 51.17	- 51.17	190.26	-	-
	Total	7,667.26	7,852.32	9,210.00	10,377.93	12,084.76
3(i)	Reasonable Return	-	-	-	-	-
3(ii)	Contingency Reserve					
4	Non tariff income	17.27	17.27	24.41	26.29	27.37
5	Annual Revenue Requirement (2)+(3)-(4)	7,649.99	7,835.05	9,185.58	10,351.64	12,057.39
6	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	(2532.84)	(2717.90)	(2329.84)	(2066.46)	(2834.38)
7	Add: Allocation of Interest Charges and O&M of UPPCL		32.04	34.37	37.00	38.64
8	Efficiency Gains	0.00	24.05	0.00	0	0
9	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	(2532.84)	(2774.00)	(2364.21)	(2103.46)	(2873.02)
10	Tariff Revision Impact	-	-	-	-	-
11	Surplus(+) / Shortfall(-) : (6)-(7) after tariff revision	(2,532.84)	(2,774.00)	(2,364.21)	(2,103.46)	(2,873.02)

  
**SUPERINTENDING ENGINEER (COM.)**  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Information regarding amount of Equity & Loan				Form No: S5	
		FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Sr. No.	Period	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Amt. of Regulatory Equity (Rs. in crores)	2,204.23	3,086.12	3,497.19	4,042.39
2	Amt. of Regulatory Loan (Rs. in crores)	1,618.88	2,239.97	2,885.87	3,782.77
3	Debt Equity Ratio	73%	73%	83%	94%




SUPERINTENDING ENGINEER (COM.)  
Purvanchal Vidyut Vitran Nigam Limited  
Vidyut Nagar, P.O. D.L.W., Varanasi




Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited
Information regarding Working Capital <span style="float: right;">Form No: S6</span>

Sr. No.	Particulars	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
1	One month's O & M Expenses	61.97	71.96	75.75	80.87
2	One-twelfth of the sum of the book value of materials in stores at the end of each month of such financial year.	1.24	3.55	11.19	14.85
3	Receivables equivalent to 60 days average billing on consumers	676.84	816.07	1,068.22	1,223.57
	<b>Gross Total</b>	<b>740.05</b>	<b>891.59</b>	<b>1,155.16</b>	<b>1,319.29</b>
Less:					
1	Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	408.65	431.85	459.11	529.86
	<b>Net Working Capital</b>	<b>331.40</b>	<b>459.74</b>	<b>696.05</b>	<b>789.43</b>
	Rate of Interest on Working Capital	12.50%	12.50%	12.50%	12.50%
	<b>Normative Interest on Working Capital</b>	<b>41.42</b>	<b>57.47</b>	<b>87.01</b>	<b>98.68</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W. Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Reasonable Return				Form No: S7	
S.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		True-Up	Provisional Accounts	Revised Estimates	ARR
	<b>Shareholders' Funds</b>				
1	Share Capital	2,204.23	3,086.12	3,497.19	4,042.39
2	Reserves and Surplus	-9,866.21	-12,035.12	-14,138.58	-17,011.60
	<b>Total Equity</b>	<b>-7,661.98</b>	<b>-8,949.00</b>	<b>-10,641.39</b>	<b>-12,969.21</b>
	<b>Return as a % of Equity</b>				

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Energy Balance					Form No: S8	
S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	<b>Purchase of Power</b>					
	Power from own Stations (if any)	16,033.71	16,033.71	16,928.91	19,988.66	22,554.84
	Power from State Stations					
	Power from Central Stations					
	Power from Other Sources					
	i.					
	ii.					
	iii.					
	<b>Total Power Available</b>	16,912.96	16,912.96	18,283.64	21,084.80	23,787.00
2	<b>Energy Sales within the state</b>					
	a) LT Sales					
	b) HT Sales					
	c) EHT Sales					
	<b>Total Energy Sales</b>	11,919.92	11,919.92	12,742.52	15,144.48	17,243.94
3	<b>Distribution Loss</b>	25.66%	25.66%	24.73%	24.23%	23.55%
4	<b>Total Transmission losses</b>	5.20%	5.20%	7.41%	5.20%	5.18%
5	<b>Tradable Power</b>	16,033.71	16,033.71	16,928.91	19,988.66	22,554.84

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

Truing Up of past accounts

Form No: S9

S.No	Particulars	FY 2012-13		
		Tariff Order	Audited	True-up
	Power Purchase or Energy Available (MU)	16,093.65	16,033.71	16,033.71
	Sale of Power (MU)	12,146.09	11,919.92	11,919.92
	Loss %	24.53%	25.66%	24.53%
1	Receipts			
a	Revenue from tariffs & Miscell. Charges	4300.59	4117.43	4117.43
b	Subsidy from Govt.	1575.95	999.72	999.72
	<b>Total</b>	<b>5876.54</b>	<b>5117.15</b>	<b>5117.15</b>
2	Expenditure			
a	Purchase of Power	5807.72	5788.17	6433.29
b	Purchase of Power from Other Sources			
c	Intra-State Transmission Charges	280.03	278.99	291.87
d	R&M Expense	148.60	266.49	266.49
e	Employee Expenses	586.29	407.40	407.40
f	A&G Expense	46.43	69.69	69.69
g	Depreciation	236.73	131.55	267.15
h	Interest & Finance Charges	205.26	880.51	255.02
i	<b>Less: Interest &amp; other expenses capitalised</b>	<b>-104.99</b>	<b>-169.77</b>	<b>-169.77</b>
j	Other Debits (incl. Prov for Bad debts)	0.00	65.39	82.35
k	Extraordinary Items	0.00	0.00	0.00
l	Other (Misc.)-net prior period credit	0.00	-51.17	-51.17
m	Allocation of UPPCL Charges	0.00	0.00	32.04
n	Efficiency Gains	0.00	0.00	24.05
	<b>Total</b>	<b>7206.08</b>	<b>7667.26</b>	<b>7908.42</b>
3	Reasonable Return	0.00	0.00	0.00
4	Other Income	122.76	17.27	17.27
5	Annual Revenue Requirement (2)+(3)-(4)	7083.32	7649.99	7891.15
6	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	-1206.78	-2532.84	-2774.00
7	Tariff Revision Impact			
8	Surplus(+) / Shortfall(-) : (6)-(7)after tariff revision	-1206.78	-2532.84	-2774.00


  
 SUPERINTENDING ENGINEER (COM)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	1,933,053	3,209,848	2,577
	(ii)	Metered	378,057	526,421	583
	(B)	Supply at Single Point for Bulk Load	22,329	25,515	29
	(C1)	Other Metered Domestic Consumers	819,927	1,484,956	2,280
	(C2)	Life Line Consumers/BPL	56,283	67,614	61
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>3,209,649</b>	<b>5,314,354</b>	<b>5,529</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	72,581	158,612	124
	(ii)	Metered	97,570	219,350	305
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	2
	(C)	Other Metered Non-Domestic Supply	158,155	408,740	652
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>328,306</b>	<b>786,702</b>	<b>1,083</b>
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	303	1,965	6
	(ii)	Nagar Palika & Nagar Panchyat	971	14,921	32
	(iii)	Nagar Nigam	5	6,632	18
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	0
	(ii)	Nagar Palika & Nagar Panchyat	69	4,128	14
	(iii)	Nagar Nigam	11	17,146	73
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>1,359</b>	<b>44,792</b>	<b>143</b>
LMV--4	(A)	Public Institution(4 A)	14,582	138,227	352
	(B)	Private Institution(4 B)	3,065	25,937	61
<b>SUB TOTAL</b>		<b>LIGHT FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>17,647</b>	<b>164,164</b>	<b>414</b>
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	202,902	1,101,156	1,067
	(ii)	Metered Supply	170	741	4
	(B)	Urban Schedule			
	(i)	Metered Supply	5,189	32,318	49
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>208,261</b>	<b>1,134,215</b>	<b>1,119</b>
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	5,300	38,774	55
	(ii)	Urban Schedule	5,652	43,793	65
	(B)	Small & Medium Power			
	(i)	Rural Schedule	17,293	133,368	144
	(ii)	Urban Schedule	9,966	113,714	189
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>38,211</b>	<b>329,649</b>	<b>453</b>
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	1,039	34,592	165
	(ii)	Jal Sansthan	67	16,164	64
	(iii)	Others (Water Works)	185	3,788	25
	(B)	Urban Schedule			
	(i)	Jal Nigam	511	17,414	101
	(ii)	Jal Sansthan	754	40,903	242
	(iii)	Others (Water Works)	134	3,970	20
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>2,690</b>	<b>116,831</b>	<b>618</b>
LMV--8	(A)	Metered Supply	6	175	12
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	10,753	193,321	899
	(ii)	Laghu Dal Nahar above 100 BHP	166	12,229	72
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>10,919</b>	<b>205,550</b>	<b>971</b>
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	51	102	0
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	4	50	0
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>55</b>	<b>152</b>	<b>1</b>
LMV--10	(A)	Serving			
	(i)	Class IV Employees	4,077	10,659	11
	(ii)	Class III Employees	4,163	11,543	12
	(iii)	Junior Engineers & Equivalent	848	3,302	5
	(iv)	Assistant Engineers & Equivalent	477	2,005	5
	(v)	Executive Engineers & Equivalent	128	809	2
	(vi)	Deputy General Manager & Equivalent	41	237	0
	(vii)	CGM/GM & Equivalent posts and above	19	100	0
	(B)	Total Pensioner & Family Pensioner	15,703	31,210	49
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>25,453</b>	<b>59,865</b>	<b>83</b>
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	283	88,458	200
	(ii)	For supply at 33 kV & above	-	15,102	43



SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Rural Schedule			
	(i)	For supply at 11kV	11	3,735	6
	(ii)	For supply at 33 kV & above	-	-	-
<b>SUB-TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>300</b>	<b>107,295</b>	<b>249</b>
<b>HV--2</b>	(A)	Urban Schedule			
	(i)	For supply at 11kV	734	209,901	493
	(ii)	For supply above 11kV and upto & Including 66kV	35	78,218	296
	(iii)	For supply above 66kV and upto & Including 132kV	7	86,850	83
	(iv)	For supply above 132kV	-	-	1
	(B)	Rural Schedule			
	(i)	For supply at 11kV	109	23,700	96
	(ii)	For supply above 11kV and upto & Including 66kV	14	33,090	74
<b>SUB-TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>899</b>	<b>431,759</b>	<b>1,044</b>
<b>HV--3</b>	(A)	For supply at and above 132kV	4	80,975	256
	(B)	For supply below 132kV	1	78,000	204
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB-TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>5</b>	<b>158,975</b>	<b>461</b>
<b>HV--4</b>	(A)	For supply at 11kV	40	48,677	223
	(B)	For supply above 11kV and upto 66kV	17	76,771	339
	(C)	For supply above 66kV and upto 132kV	-	-	-
<b>SUB-TOTAL</b>		<b>LIFT IRRIGATION &amp; P.C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>57</b>	<b>125,448</b>	<b>561</b>
<b>EXTRA STATE</b>	(A)	EXTRA STATE & OTHERS	2	3,000	-
<b>SUB-TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>2</b>	<b>3,000</b>	<b>-</b>
<b>BULK</b>	(A)	Torrent (Depicted as Retail Sales)	-	-	-
	(B)	KESCO	-	-	-
<b>SUB-TOTAL</b>		<b>BULK SUPPLY</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>GRAND TOTAL</b>			<b>3,843,819</b>	<b>8,982,926</b>	<b>12,743</b>

  
 SUPERINTENDING ENGINEER (COM-1)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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	1,739,748	2,845,578	3,388
	(ii)	Metered	751,259	1,056,617	1,267
	(B)	Supply at Single Point for Bulk Load	22,552	25,770	25
	(C1)	Other Metered Domestic Consumers	869,123	1,652,073	1,340
	(C2)	Life Line Consumers/BPL	67,540	99,237	61
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	3,450,221	5,679,275	6,082
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	79,113	189,214	245
	(ii)	Metered	99,521	239,518	436
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	165,206	426,963	686
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	343,841	855,695	1,367
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	312	2,024	7
	(ii)	Nagar Palika & Nagar Panchyat	1,117	17,159	74
	(iii)	Nagar Nigam	6	7,295	32
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	79	3,230	11
	(iii)	Nagar Nigam	12	18,003	77
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,525	47,712	201
LMV--4	(A)	Public Institution(4 A)	16,040	152,050	502
	(B)	Private Institution(4 B)	2,912	24,640	64
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	18,952	176,690	565
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	202,902	1,101,156	1,817
	(ii)	Metered Supply	204	889	4
	(B)	Urban Schedule			
	(i)	Metered Supply	5,708	35,595	65
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	208,814	1,137,640	1,886
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	5,565	40,713	58
	(ii)	Urban Schedule	6,782	56,421	84
	(B)	Small & Medium Power			
	(i)	Rural Schedule	18,158	144,248	219
	(ii)	Urban Schedule	10,464	120,009	201
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	40,969	361,392	562
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	1,108	37,016	177
	(ii)	Jal Sansthan	68	18,490	77
	(iii)	Others (Water Works)	204	9,033	59
	(B)	Urban Schedule			
	(i)	Jal Nigam	562	15,580	91
	(ii)	Jal Sansthan	792	41,847	248
	(iii)	Others (Water Works)	141	4,256	21
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	2,875	126,222	673
LMV--8	(A)	Metered Supply	6	189	18
	(B)	Un-metered Supply			
	(i)	STW.Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	11,238	202,034	721
	(ii)	Laghu Dal Nahar above 100 BHP	183	8,465	12
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	11,427	210,689	750
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	56	1,784	11
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	4	52	0
	(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	60	1,836	12
LMV--10	(A)	Serving			
	(i)	Class IV Employees	4,159	13,357	11
	(ii)	Class III Employees	4,246	11,774	12
	(iii)	Junior Engineers & Equivalent	865	4,225	5
	(iv)	Assistant Engineers & Equivalent	482	2,025	5
	(v)	Executive Engineers & Equivalent	134	941	2
	(vi)	Deputy General Manager & Equivalent	46	327	0
	(vii)	CGM/GM & Equivalent posts and above	22	139	0
	(B)	Total Pensioner & Family Pensioner	18,055	35,892	57
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	28,009	68,679	92
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	-	97,304	228
	(ii)	For supply at 33 kV & above	-	16,914	58
	(B)	Rural Schedule			



SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(i) For supply at 11kV	13	4,295	14
		(ii) For supply at 33 kV & above	-	-	-
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>331</b>	<b>118,513</b>	<b>300</b>
<b>HV--2</b>	<b>(A)</b>	<b>Urban Schedule</b>			
		(i) For supply at 11kV	793	226,693	632
		(ii) For supply above 11kV and upto & Including 66kV	37	82,129	311
		(iii) For supply above 66kV and upto & Including 132kV	7	91,193	87
		(iv) For supply above 132kV	-	-	-
	<b>(B)</b>	<b>Rural Schedule</b>			
		(i) For supply at 11kV	114	24,885	101
		(ii) For supply above 11kV and upto & Including 66kV	14	33,421	125
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>965</b>	<b>458,320</b>	<b>1,256</b>
<b>HV--3</b>	<b>(A)</b>	<b>For supply at and above 132kV</b>	<b>4</b>	<b>89,073</b>	<b>282</b>
	<b>(B)</b>	<b>For supply below 132kV</b>	<b>1</b>	<b>79,560</b>	<b>268</b>
	<b>(C)</b>	<b>For Delhi Metro Rail</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>5</b>	<b>168,633</b>	<b>550</b>
<b>HV--4</b>	<b>(A)</b>	<b>For supply at 11kV</b>	<b>42</b>	<b>51,111</b>	<b>286</b>
	<b>(B)</b>	<b>For supply above 11kV and upto 66kV</b>	<b>19</b>	<b>84,448</b>	<b>563</b>
	<b>(C)</b>	<b>For supply above 66kV and upto 132kV</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P.C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>61</b>	<b>135,559</b>	<b>848</b>
<b>EXTRA STATE</b>	<b>(A)</b>	<b>EXTRA STATE &amp; OTHERS</b>	<b>2</b>	<b>3,060</b>	<b>0</b>
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>2</b>	<b>3,060</b>	<b>0</b>
<b>BULK</b>	<b>(A)</b>	<b>Torrent</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>(B)</b>	<b>KESCO</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SUB TOTAL</b>		<b>BULK SUPPLY</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>GRAND TOTAL</b>			<b>4,108,056</b>	<b>9,549,913</b>	<b>15,144</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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	1,353,137	2,213,228	2,568
	(ii)	Metered	2,037,350	2,865,458	3,517
	(B)	Supply at Single Point for Bulk Load	22,778	26,028	26
	(C1)	Other Metered Domestic Consumers	921,270	1,751,197	1,456
	(C2)	Life Line Consumers/BPL	81,048	119,084	75
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>4,415,583</b>	<b>6,974,994</b>	<b>7,643</b>
LMV-2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	86,233	206,243	267
	(ii)	Metered	101,512	244,308	455
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	172,571	445,998	734
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>360,317</b>	<b>896,549</b>	<b>1,457</b>
LMV-3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	321	2,085	8
	(ii)	Nagar Palika & Nagar Panchyat	1,284	19,733	85
	(iii)	Nagar Nigam	6	8,025	35
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	91	3,715	13
	(iii)	Nagar Nigam	12	18,903	83
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>1,715</b>	<b>52,461</b>	<b>224</b>
LMV-4	(A)	Public Institution(4 A)	17,644	167,255	565
	(B)	Private Institution(4 B)	2,766	23,408	62
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>20,410</b>	<b>190,663</b>	<b>627</b>
LMV-5	(A)	Rural Schedule			
	(i)	Un metered Supply	202,902	1,101,156	1,817
	(ii)	Metered Supply	245	1,067	5
	(B)	Urban Schedule			
	(i)	Metered Supply	6,279	39,154	71
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>209,425</b>	<b>1,141,377</b>	<b>1,893</b>
LMV-6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	5,843	42,748	62
	(ii)	Urban Schedule	8,139	67,705	103
	(B)	Small & Medium Power			
	(i)	Rural Schedule	19,066	151,461	235
	(ii)	Urban Schedule	10,988	126,010	216
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>44,035</b>	<b>387,924</b>	<b>617</b>
LMV-7	(A)	Rural Schedule			
	(i)	Jal Nigam	1,182	39,488	189
	(ii)	Jal Sansthan	70	18,860	78
	(iii)	Others (Water Works)	224	9,936	65
	(B)	Urban Schedule			
	(i)	Jal Nigam	618	17,139	100
	(ii)	Jal Sansthan	831	43,939	260
	(iii)	Others (Water Works)	148	4,469	22
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>3,073</b>	<b>133,830</b>	<b>715</b>
LMV-8	(A)	Metered Supply	7	198	19
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	11,744	211,140	753
	(ii)	Laghu Dal Nahar above 100 BHP	201	9,312	13
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>11,952</b>	<b>220,651</b>	<b>785</b>
LMV-9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	62	1,962	13
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	4	52	0
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>66</b>	<b>2,014</b>	<b>13</b>
LMV-10	(A)	Serving			
	(i)	Class IV Employees	4,242	13,624	12
	(ii)	Class III Employees	4,331	12,009	12
	(iii)	Junior Engineers & Equivalent	882	4,310	5
	(iv)	Assistant Engineers & Equivalent	487	2,045	5
	(v)	Executive Engineers & Equivalent	141	988	2
	(vi)	Deputy General Manager & Equivalent	51	366	1
	(vii)	CGM/GM & Equivalent posts and above	25	160	0
	(B)	Total Pensioner & Family Pensioner	20,163	41,275	67
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>30,923</b>	<b>74,777</b>	<b>104</b>
HV-1	(A)	Urban Schedule			
	(i)	For supply at 11kV	342	107,034	250
	(ii)	For supply at 33 kV & above	8	18,944	65
	(B)	Rural Schedule			
	(i)	For supply at 11kV	15	4,940	16
	(ii)	For supply at 33 kV & above	-	-	-
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>365</b>	<b>130,978</b>	<b>332</b>



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2015-16				Form No: F1(a3)	
SUPPLY TYPE	CATG.	Varanasi DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
HV-2	(A)	Urban Schedule			
		(i) For supply at 11kV	856	244,829	683
		(ii) For supply above 11kV and upto & Including 66kV	39	86,235	327
		(iii) For supply above 66kV and upto & Including 132kV	8	95,752	91
		(iv) For supply above 132kV	-	-	-
	(B)	Rural Schedule			
		(i) For supply at 11kV	120	26,129	106
		(ii) For supply above 11kV and upto & Including 66kV	14	33,755	126
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75kW) (HV-2)</b>	<b>1,037</b>	<b>486,700</b>	<b>1,333</b>
HV-3	(A)	For supply at and above 132kV	5	97,980	310
	(B)	For supply below 132kV	1	81,151	273
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>6</b>	<b>179,131</b>	<b>583</b>
HV-4	(A)	For supply at 11kV	44	53,666	300
	(B)	For supply above 11kV and upto 66kV	21	92,893	619
	(C)	For supply above 66kV and upto 132kV	-	-	-
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P.C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>65</b>	<b>146,559</b>	<b>919</b>
<b>EXTRA STATE</b>	(A)	<b>EXTRA STATE &amp; OTHERS</b>	<b>2</b>	<b>3,121</b>	<b>0</b>
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>2</b>	<b>3,121</b>	<b>0</b>
BULK	(A)	Torrent	-	-	-
	(B)	KESCO	-	-	-
<b>SUB TOTAL</b>		<b>BULK SUPPLY</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>GRAND TOTAL</b>			<b>5,098,973</b>	<b>11,021,670</b>	<b>17,244</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Revenue & Capital Subsidies					Form No: F2	
S.No	Particulars	FY 2012-13 Audited	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
<b>A</b>	<b>Revenue Subsidies And Grants</b>					
1	Revenue Subsidy					
2	Agriculture Subsidy	999.72	999.72	1,891.32	1,786.86	1,779.62
3	Subsidy adjustment against ED					
4						
5	Subsidy for Power Looms					
	<b>Sub-Total</b>	<b>999.72</b>	<b>999.72</b>	<b>1,891.32</b>	<b>1,786.86</b>	<b>1,779.62</b>
<b>B</b>	<b>Capital Subsidies And Grants</b>					
1	APDRP					
2	PTW					
3	UPSIDC					
4	Indian Industries Association					
5	Others					
	<b>Sub-Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total</b>	<b>999.72</b>	<b>999.72</b>	<b>1,891.32</b>	<b>1,786.86</b>	<b>1,779.62</b>
<b>S.No</b>	<b>Actual Flow of Funds</b>	<b>FY 2012-13</b>	<b>FY 2012-13</b>	<b>FY 2013-14</b>	<b>FY 2014-15</b>	<b>FY 2015-16</b>
	<b>In Rs Crores</b>	<b>Audited</b>	<b>True-Up</b>	<b>Provisional Accounts</b>	<b>Revised Estimates</b>	<b>ARR</b>
1	Balance Subsidy for Previous years Receivable					
2	Subsidy Due for the year	999.72	999.72	1,891.32	1,786.86	1,779.62
3	<b>Total Subsidy Receivable</b>	<b>999.72</b>	<b>999.72</b>	<b>1,891.32</b>	<b>1,786.86</b>	<b>1,779.62</b>
4	Cash	999.72	999.72	1,891.32	1,786.86	1,779.62
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 Interest on Loan					
11	<b>Total Subsidy Received</b>	<b>999.72</b>	<b>999.72</b>	<b>1,891.32</b>	<b>1,786.86</b>	<b>1,779.62</b>
12	<b>Balance Subsidy Receivable: (3)-(12)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
<b>A</b>	<b>Income from Investment</b>					
1	Interest Income from Investments	0.00	0.00	0.00	0.00	0.00
2	Interest on fixed deposits	13.29	13.29	19.48	20.98	21.84
3	Interest from Banks other than Fixed Deposits	-	-	-	-	-
4	Interest on (any other items)	-	-	-	-	-
	<b>Sub-Total (A)</b>	<b>13.30</b>	<b>13.30</b>	<b>19.48</b>	<b>20.98</b>	<b>21.84</b>
<b>B</b>	<b>Non Tariff Income</b>					
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	3.05	3.05	4.42	4.77	4.96
5	Income from Trading					
6	Gain on Sale of Fixed Assets					
7	Miscellaneous receipts	0.90	0.90	0.48	0.52	0.54
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	0.01	0.01	0.02	0.02	0.02
16	Less: Any other rebates					
	<b>Sub-Total (B)</b>	<b>3.97</b>	<b>3.97</b>	<b>4.93</b>	<b>5.31</b>	<b>5.53</b>
	<b>Total</b>	<b>17.27</b>	<b>17.27</b>	<b>24.41</b>	<b>26.29</b>	<b>27.37</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi




Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited															
Details of Monthly Electricity Purchases from different Generating Stations - FY 2013-14													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/Energy 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								16928.91							
Arrear Bills for the past period due to revision of energy account/ tariff revision															
Total Cost															

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

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.)	
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,848	0.61	235	1.80	692	2.41	927	2.41
Anpara B	1,000	6,314	1.08	684	1.73	1,090	2.81	1,774	2.81
Harduaganj	165	259	2.10	54	4.81	124	6.91	179	6.91
Obra A	288	779	0.93	72	2.29	179	3.22	251	3.22
Obra B	1,000	4,158	0.60	249	2.38	989	2.98	1,238	2.98
Panki	210	907	1.06	96	4.11	373	5.17	469	5.17
Parichha	220	323	0.96	31	3.69	119	4.65	150	4.65
Parichha Extn.	420	2,512	1.27	318	3.14	789	4.41	1,108	4.41
Parichha Extn. Stage II	500	3,308	1.79	593	3.04	1,007	4.84	1,600	4.84
Harduaganj Ext.	500	3,158	1.93	610	3.24	1,024	5.18	1,634	5.18
Anpara D	-	-	0.00	-	0.00	-	0.00	-	0.00
Sub total - Thermal	4,933	25,566	0.00	2,943	0.00	6,387	0.00	9,330	3.65
Per unit Avg Rate of Thermal Generation								3.65	
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	5388	26761		3,027.36		6,386.89		9,414.25	3.52
Procurement of power from Central Sector Generating Stations									
Anta	119	813	0.71	57	3.07	250	3.78	307	3.78
Auriya	244	1,640	0.53	88	4.11	675	4.65	762	4.65
Dadri Thermal	84	613	0.82	50	3.91	240	4.73	290	4.73
Dadri Gas	272	1,925	0.55	105	3.93	757	4.48	862	4.48
Dadri Extension	150	1,097	1.55	171	3.70	406	5.25	576	5.25
Rihand-I	373	2,661	0.78	209	1.66	441	2.44	650	2.44
Rihand-II	348	2,478	0.91	225	1.69	419	2.60	644	2.60
Singrauli	849	6,151	0.52	320	1.24	763	1.76	1,083	1.76
Tanda	440	3,136	1.01	318	3.33	1,043	4.34	1,360	4.34
Unchahar-I	258	1,927	0.83	160	2.75	529	3.58	689	3.58
Unchahar-II	153	1,145	0.86	99	2.70	309	3.56	407	3.56
Unchahar-III	75	560	1.32	74	2.70	151	4.02	225	4.02
Farakka	33	217	0.82	18	3.44	75	4.26	92	4.26
Kahalgaon St. I	77	528	0.92	49	2.81	148	3.73	197	3.73
Kahalgaon St. II Ph. I	251	1,729	1.18	203	2.65	459	3.83	662	3.83
Koldam (Hydro)	95	414	1.56	65	0.00	-	1.56	65	1.56
Rihand-III	377	2,691	1.27	342	1.72	463	2.99	805	2.99
Sub-Total NTPC	4,197	29,724	0.00	2,551	0.00	7,127	0.00	9,678	3.26
Chamera	109	336	0.58	20	1.01	34	1.59	53	1.59
Chamera-II	86	393	1.28	50	1.48	58	2.76	109	2.76
Chamera-III	62	283	1.74	49	2.20	62	3.94	111	3.94
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.86	29	2.86
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited									
Details of Monthly Electricity Purchases from different Generating Stations - FY 2014-15							Form No: F4a		
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	51	221	2.49	55	1.75	39	4.24	94	4.24
Parbati ST-III	140	514	1.05	54	3.18	163	4.23	217	4.23
<b>Sub-Total NHPC</b>	<b>835</b>	<b>3,534</b>	<b>0.00</b>	<b>516</b>	<b>0.00</b>	<b>652</b>	<b>0.00</b>	<b>1,168</b>	<b>3.30</b>
NAPP	167	937	0.00	-	2.64	247	2.64	247	2.64
RAPP #3&4	80	604	0.00	-	2.95	178	2.95	178	2.95
RAPP#5&6	115	802	0.00	-	3.64	292	3.64	292	3.64
<b>Sub-Total NPCIL</b>	<b>362</b>	<b>2,343</b>	<b>0.00</b>	<b>-</b>	<b>0.00</b>	<b>717</b>	<b>0.00</b>	<b>717</b>	<b>3.06</b>
NATHPA JHAKRI HPS	288	1,387	1.54	213	1.38	192	2.92	404	2.92
TALA POWER	45	181	0.00	-	2.33	42	2.33	42	2.33
Koteshwar	173	570	1.94	110	2.07	118	4.01	229	4.01
Srinagar	290	519	2.90	150	0.00	-	2.90	150	2.90
Sasan	495	2,081	0.17	36	1.22	254	1.39	289	1.39
Teesta St-III	-	-	0.00	-	0.00	-	0.00	-	0.00
Karcham-Wangtoo	200	158	0.00	-	3.77	59	3.77	59	3.77
VISHNUPRAYAG	352	1,623	0.97	158	1.32	214	2.29	372	2.29
TEHRI STAGE-I	419	1,811	1.81	327	2.43	441	4.24	768	4.24
Rosa Power Project	600	4,066	1.63	663	4.08	1,659	5.71	2,322	5.71
Rosa Power Project	600	4,066	1.63	663	4.08	1,659	5.71	2,322	5.71
Bara	-	-	0.00	-	0.00	-	0.00	-	0.00
Anpara 'C'	1,100	7,015	1.14	801	2.55	1,792	3.70	2,593	3.70
IGSTPP, Jhajhhar	51	358	1.55	55	4.14	149	5.69	204	5.69
Bajaj Hindusthan	450	2,807	2.25	632	4.44	1,246	6.69	1,878	6.69
Lalitpur	-	-	0.00	-	0.00	-	0.00	-	0.00
<b>Sub-Total IPP/JV</b>	<b>5,062</b>	<b>26,640</b>	<b>0.00</b>	<b>3,808</b>	<b>0.00</b>	<b>7,825</b>	<b>0.00</b>	<b>11,633</b>	<b>4.37</b>
Captive and Cogen	-	2,865	0.00	-	4.62	1,324	4.62	1,324	4.62
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,366	0.00	-	4.75	2,074	4.75	2,074	4.75
Solar Energy	-	84	0.00	-	11.14	94	11.14	94	11.14
NVVN Coal Power	-	352	0.00	-	2.83	99	2.83	99	2.83
<b>Sub-Total : Co-Generation &amp; Other Sources</b>	<b>-</b>	<b>7,667</b>	<b>0.00</b>	<b>-</b>	<b>0.00</b>	<b>3,590</b>	<b>0.00</b>	<b>3,590</b>	<b>4.68</b>
<b>Grand Total of Power Purchase</b>	<b>15844</b>	<b>96669</b>		<b>9,902.05</b>		<b>26,298.2</b>		<b>36,200.27</b>	<b>3.74</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

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.)	
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,848	0.63	241	1.91	733	2.53	974	2.53
Anpara B	1,000	6,314	1.09	691	1.83	1,156	2.92	1,847	2.92
Harduaganj	165	259	2.13	55	5.10	132	7.23	187	7.23
Obra A	288	779	0.94	73	2.43	189	3.37	263	3.37
Obra B	1,000	4,158	0.61	255	2.52	1,048	3.14	1,304	3.14
Panki	210	907	1.09	99	4.36	396	5.45	495	5.45
Parichha	220	323	0.98	32	3.91	126	4.89	158	4.89
Parichha Extn.	420	2,512	1.28	322	3.33	837	4.61	1,159	4.61
Parichha Extn. Stage II	500	3,308	1.81	597	3.23	1,067	5.03	1,665	5.03
Harduaganj Ext.	500	3,158	1.95	615	3.44	1,086	5.38	1,700	5.38
Anpara D	1,000	2,916	1.18	344	1.79	521	2.96	864	2.96
Sub total - Thermal	5933	28482		3324		7291		10615	3.73
Per unit Avg Rate of Thermal Generation								3.73	
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	0.60	40	0.00	-	0.60	40	0.60
UGC Power Stations	14	36	2.31	8	0.00	-	2.31	8	2.31
Belka & Babail	6	16	2.44	4	0.00	-	2.44	4	2.44
Sheetla	4	9	2.96	3	0.00	-	2.96	3	2.96
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	29678		3,412.25		7,291.02		10,703.27	3.61
Procurement of power from Central Sector Generating Stations									
Anta	119	813	0.74	60	3.26	265	3.99	325	3.99
Auriya	244	1,640	0.56	91	4.36	715	4.92	806	4.92
Dadri Thermal	84	613	0.86	53	4.15	254	5.00	307	5.00
Dadri Gas	272	1,925	0.57	110	4.17	802	4.74	912	4.74
Dadri Extension	150	1,097	1.62	177	3.92	430	5.54	608	5.54
Rihand-I	373	2,661	0.82	217	1.76	468	2.57	685	2.57
Rihand-II	348	2,478	0.95	235	1.79	444	2.74	678	2.74
Singrauli	849	6,151	0.54	333	1.32	809	1.86	1,142	1.86
Tanda	440	3,136	1.05	331	3.52	1,105	4.58	1,436	4.58
Unchahar-I	258	1,927	0.87	167	2.91	561	3.78	728	3.78
Unchahar-II	153	1,145	0.90	103	2.86	327	3.76	430	3.76
Unchahar-III	75	560	1.37	77	2.86	160	4.23	237	4.23
Farakka	33	217	0.86	19	3.65	79	4.50	98	4.50
Kahalgaon St. I	77	528	0.96	51	2.98	157	3.94	208	3.94
Kahalgaon St. II Ph. I	251	1,729	1.22	212	2.81	486	4.04	698	4.04
Koldam (Hydro)	95	414	1.56	65	0.00	-	1.56	65	1.56
Rihand-III	377	2,691	1.32	356	1.82	491	3.15	847	3.15
Sub-Total NTPC	4197	29724		2653		7554		10208	3.43
Chamera	109	336	0.60	20	1.07	36	1.67	56	1.67

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut N. S. W. Varadasi



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. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Chamera-II	86	393	1.36	53	1.70	67	3.06	120	3.06
Chamera-III	62	283	2.00	57	2.20	62	4.20	119	4.20
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.85	29	2.85
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	25	111	4.98	55	1.75	19	6.73	75	6.73
	-	-	0.00	-	0.00	-	0.00	-	0.00
Parbati ST-III	104	383	1.41	54	3.18	122	4.59	176	4.59
<b>Sub-Total NHPC</b>	<b>774</b>	<b>3292</b>		<b>527.01</b>		<b>601.79</b>		<b>1,128.80</b>	<b>3.43</b>
NAPP	167	937	0.00	-	2.79	262	2.79	262	2.79
RAPP #3&4	80	604	0.00	-	3.12	189	3.12	189	3.12
RAPP#5&6	115	802	0.00	-	3.86	310	3.86	310	3.86
<b>Sub-Total NPCIL</b>	<b>362</b>	<b>2343</b>				<b>760.01</b>		<b>760.01</b>	<b>3.24</b>
NATHPA JHAKRI HPS	288	1,387	1.60	222	1.46	203	3.06	425	3.06
TALA POWER	45	181	0.00	-	2.47	45	2.47	45	2.47
Koteswar	173	570	2.02	115	2.20	125	4.22	240	4.22
Srinagar	290	519	3.02	157	0.00	-	3.02	157	3.02
Sasan	495	2,081	0.18	37	1.29	269	1.47	306	1.47
Teesta St-III	-	-	0.00	-	0.00	-	0.00	-	0.00
Karcham-Wangtoo	200	158	0.00	-	4.00	63	4.00	63	4.00
VISHNUPRAYAG	352	1,623	1.01	164	1.40	227	2.41	391	2.41
TEHRI STAGE-I	419	1,811	1.88	340	2.58	467	4.46	808	4.46
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Bara	1,188	1,115	0.00	-	3.20	357	3.20	357	3.20
Anpara 'C'	1,100	7,015	1.19	834	2.71	1,900	3.90	2,733	3.90
IGSTPP, Jhajhhar	51	358	1.61	58	4.39	157	6.00	215	6.00
Bajaj Hindusthan	450	2,982	2.25	671	4.71	1,404	6.96	2,075	6.96
Lalitpur	1,782	8,022	1.40	1,123	1.98	1,588	3.38	2,711	3.38
<b>Sub-Total IPP/JV</b>	<b>8032</b>	<b>35953</b>		<b>5100</b>		<b>10322</b>		<b>15423</b>	<b>4.289657</b>
Captive and Cogen	-	2,865	0.00	-	4.90	1,403	4.90	1,403	4.90
Inter system exchange	-	4,416	0.00	-	5.04	2,224	5.04	2,224	5.04
Solar Energy	-	84	0.00	-	11.81	99	11.81	99	11.81
NVVN Coal Power	-	352	0.00	-	3.00	105	3.00	105	3.00
<b>Sub-Total : Co-Generation</b>	<b>-</b>	<b>7717</b>				<b>3,831.24</b>		<b>3,831.24</b>	<b>4.96</b>
<b>Grand Total of Power</b>	<b>19753</b>	<b>108707</b>		<b>11693</b>		<b>30,360.9</b>		<b>42,053.61</b>	<b>3.87</b>

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


*(Signature)*  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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/uni t
			(MU)	MW	MW	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.
1	UPPTCL	FY 2013-14	16,928.91			228.54	-	228.54	0.135
2	UPPTCL	FY 2014-15	19,988.66			357.18	-	357.18	0.179
3	UPPTCL	FY 2015-16	22,554.84			442.92	-	442.92	0.196
4									
5									
6									
7									
8									
9									

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Repair & Maintenance Expenditure						Form No: F5
S No.	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Plant and Machinery	97.27	97.27	89.39	113.92	118.59
2	Building	39.85	39.85	22.98	46.67	48.58
3	Civil Works	0.22	0.22	0.51	0.26	0.27
4	Hydraulic Works		-		-	-
5	Transformers		-		-	-
6	Lines, Cables Net Works etc.	128.21	128.21	182.61	150.15	156.31
7	Vehicles		-		-	-
8	Furniture and Fixtures	0.03	0.03	-	0.03	0.03
9	Office Equipments	0.91	0.91	0.07	1.06	1.11
10	Transportation				-	-
11	Sub station maintenance by private agencies				-	-
12	Any other items (Capitalisation)				-	-
	Additional R&M(@2.5% of incremental GFA)				3.98	6.81
	<b>Total</b>	<b>266.49</b>	<b>266.49</b>	<b>295.57</b>	<b>316.08</b>	<b>331.70</b>


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W. Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

Employee Cost and Provisions

Form No: F6a

S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Salaries	188.00	188.00	197.13	220.18	229.20
2	Dearness Allowance	123.63	123.63	152.04	144.79	150.72
3	Other Allowances & Relief	15.87	15.87	15.87	18.59	19.35
4	Bonus/Exgratia	1.45	1.45	2.84	1.70	1.77
5	Medical Expenses Reimbursement	3.02	3.02	2.43	3.54	3.68
6	Leave Travel Assistance				-	-
7	Earned Leave Encashment	14.47	14.47	24.64	16.95	17.64
8	Compensation	0.31	0.31	0.39	0.37	0.38
9	Staff Welfare Expenses	0.01	0.01	0.01	0.01	0.01
10	Pension and gratuity	53.85	53.85	53.89	63.07	65.65
11	Other Terminal benefits	0.26	0.26	0.49	0.31	0.32
12	Expenditure on trust				-	-
13	Any other employee expenses	0.62	0.62	0.58	0.72	0.75
14	Arrear of Pay Commission/Time Scale	5.90	5.90	7.73	6.91	7.20
15	Additional employee Expenses(@2.5% of incremental GFA)				20.89	35.00
	<b>Grand Total</b>	<b>407.40</b>	<b>407.40</b>	<b>458.03</b>	<b>498.02</b>	<b>531.68</b>
	Employee expenses capitalized	93.67	93.67	124.36	74.70	79.75
	<b>Net employee expenses</b>	<b>313.73</b>	<b>313.73</b>	<b>333.67</b>	<b>423.31</b>	<b>451.93</b>


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



S.No.	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A)	<b>Administration Expenses</b>					
1	Rent rates and taxes (Other than all taxes on income and profit)	0.79	0.79	1.08	0.92	0.96
2	Insurance of employees, assets, legal liability	0.25	0.25	0.39	0.29	0.30
3	Revenue Stamp Expenses Account					
4	Telephone, Postage, Telegram, Internet Charges	1.66	1.66	1.80	1.94	2.02
5	Incentive & Award To Employees/Outsiders					
6	Consultancy Charges	0.00	0.00	0.11	0.00	0.00
7	Travelling	2.83	2.83	3.10	3.31	3.45
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					
	<b>Sub-Total of Administrative Expenses</b>	<b>5.52</b>	<b>5.52</b>	<b>6.49</b>	<b>6.47</b>	<b>6.73</b>
B)	<b>Other Charges</b>					
1	Fee And Subscriptions (Books And Periodicals)	1.37	1.37	1.94	1.61	1.67
2	Printing And Stationery	4.06	4.06	4.20	4.76	4.95
3	Advertisement Expenses	1.91	1.91	1.79	2.23	2.32
4	Contributions/Donations To Outside Institute / Association					
5	Electricity Charges To Offices	26.13	26.13	21.19	30.61	31.86
6	Water Charges				-	-
7	Consultancy expenses /Any Study related expenses					
8	Miscellaneous Expenses	13.28	13.28	58.54	15.55	16.19
9	Expenses on Public Interaction Program				-	-
10	Any Other expenses	16.06	16.06	13.95	18.81	19.58
	<b>Sub-Total of other charges</b>	<b>62.81</b>	<b>62.81</b>	<b>101.62</b>	<b>73.56</b>	<b>76.58</b>
C)	<b>Legal Charges</b>	<b>1.14</b>	<b>1.14</b>	<b>1.67</b>	<b>1.34</b>	<b>1.39</b>
D)	<b>Auditor'S Fee</b>	<b>0.21</b>	<b>0.21</b>	<b>0.20</b>	<b>0.25</b>	<b>0.26</b>
E)	<b>Frieght - Material Related Expenses</b>					
F)	<b>Other Departmental Charges</b>					
	Additional A&G expenses(@2.5% of incremental GFA)				13.26	22.07
G)	<b>Total Charges</b>	<b>69.69</b>	<b>69.69</b>	<b>109.98</b>	<b>94.87</b>	<b>107.03</b>
H)	<b>Expenses capitalized</b>	<b>11.60</b>	<b>11.60</b>	<b>27.55</b>	<b>14.23</b>	<b>16.06</b>
I)	<b>Net Administrative and General expenses</b>	<b>58.09</b>	<b>58.09</b>	<b>82.43</b>	<b>80.64</b>	<b>90.98</b>


  
SUPERINTENDING ENGINEER (COM.)  
Purvanchal Vidyut Vitran Nigam Limited  
Vidyut Nagar, P.O. D.I.W. Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited												
Fixed Assets and Provision for Depreciation												
Sl.No	Particulars	FY 2012-13										
		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	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)	3,915.10	779.22	437.29	4,257.03	7.84%		320.35				
	Less; Dep on Assets Capitalized through Consumer Contribution							53.20				
	Net Depreciation							267.15				

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited												
Fixed Assets and Provision for Depreciation											Form No: F8	
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	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)	4,257.03	2,125.08	599.95	5,782.15	7.84%		393.54				
	Less; Dep on Assets Capitalized through Consumer Contribution							78.04				
	Net Depreciation							315.50				


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W. Kanpur

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)	5,782.15	968.02	-	6,750.17	7.84%		491.27				
	Less; Dep on Assets Capitalized through Consumer Contribution							178.00				
	Net Depreciation							313.27				

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W. Varanasi



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)	6,750.17	1,510.30	-	8,260.46	0.08		588.42				
	Less; Dep on Assets Capitalized through Consumer Contribution							213.20				
	Net Depreciation							375.22				


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Interest & Finance Charges						Form F-9
S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		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					
	Interest on Long Term Loans	197.05	203.12	503.49	300.44	390.87
	Interest on Working Capital	672.99	41.42	735.80	87.01	98.68
	<b>Total Interest Charges</b>	<b>870.04</b>	<b>244.55</b>	<b>1,239.28</b>	<b>387.44</b>	<b>489.54</b>
	<b>Finance Charges</b>					
	Interest to Consumers	10.41	10.41	34.74	40.09	44.50
	Bank Charges	0.07	0.07	0.06	0.07	0.07
	Discount to Consumers	-	-	-	-	-
	Finance Charges/Guarantee fees	-	-	-	-	-
	<b>Total Finance Charges</b>	<b>10.47</b>	<b>10.47</b>	<b>34.80</b>	<b>40.16</b>	<b>44.57</b>
	<b>Gross Interest and Finance Charges</b>	<b>880.51</b>	<b>255.02</b>	<b>1,274.08</b>	<b>427.61</b>	<b>534.12</b>
	IDC	64.50	64.50	15.00	69.10	89.90
	<b>Net Interest and Finance Charges</b>	<b>816.02</b>	<b>190.53</b>	<b>1,259.09</b>	<b>358.51</b>	<b>444.22</b>


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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, 2012	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2013
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
<b>Long Term Loans</b>						
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						
<b>Total</b>	<b>1,435.64</b>	<b>450.39</b>	<b>267.15</b>	<b>203.12</b>	<b>13.30%</b>	<b>1,618.88</b>


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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
<b>Long Term Loans</b>						
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						
<b>Total</b>	<b>1,618.88</b>					<b>2,239.97</b>


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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, 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
<b>Long Term Loans</b>						
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						
<b>Total</b>	<b>2,239.97</b>	<b>959.17</b>	<b>313.27</b>	<b>300.44</b>	<b>11.72%</b>	<b>2,885.87</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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, 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
<b>Long Term Loans</b>						
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						
<b>Total</b>	<b>2,885.87</b>	<b>1,272.12</b>	<b>375.22</b>	<b>390.87</b>	<b>11.72%</b>	<b>3,782.77</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. G.L.W., Varanasi



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Details of Expenses Capitalised						Form -10
Sl.No.	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Interest & Finance charges Capitalised	64.50	64.50	15.00	69.10	89.90
2	Other expenses capitalised:					
	a. Employee expenses	93.67	93.67	124.36	74.70	79.75
	b. R&M Expenses					
	c. A&G Expenses	11.60	11.60	27.55	14.23	16.06
	d. Others, if any					
	Total of 2	105.27	105.27	151.91	88.93	95.81
	Grand Total	169.77	169.77	166.91	158.03	185.71

  
 SUPERINTENDING ENGINEER (COM)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Material Cost Variance					
2	Miscellaneous Losses And Write Off					
3	Bad Debt Written Off/Provided For	65.39	82.35	5.41	129.97	148.87
4	Cost Of Trading & Manufacturing Activities					
5	Net Prior Period Credit/Charges	-51.17	-51.17	190.26	0.00	0.00
6	Sub-Total	14.23	31.18	195.67	129.97	148.87
7	Less Chargeable To Capital Expense					
	Net Chargeable To Revenue	14.23	31.18	195.67	129.97	148.87

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited


Statement of Sundry Debtors and provision for Bad &amp; Doubtful Debts

Form No: F12

Sl.No.	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		True-Up	Provisional Accounts	Revised Estimates	ARR
1	Receivable from customers as at the beginning of the year	3,140.91	4,080.82	4,539.97	5,514.72
2	Revenue billed for the year	4,117.43	4,964.42	6,498.32	7,443.39
3	Collection for the year	3,177.51	4,505.27	5,523.57	6,326.88
	Against current dues				
	Against arrears upto previous year				
4	Gross receivable from customers as at the end of the year	4,080.82	4,539.97	5,514.72	6,631.23
5	Receivables against permanently disconnected consumers				
6	Receivables(4-5)	4,117.43	4,964.42	6,498.32	7,443.39
7	% of provision	2.00%	2.00%	2.00%	2.00%
8	Provision for bad and doubtful debts	82.35	5.41	129.97	148.87

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Extraordinary Items						Form No: F13
Sl.No.	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Extraordinary Credits					
	subsidies against losses due to natural disasters					
	<b>TOTAL CREDITS</b>					
2	Extraordinary Debits					
	subsidies against losses due to natural disasters					
	<b>TOTAL DEBITS</b>					
	<b>Grand Total</b>					


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A	Income relating to previous years:					
1	Interest income for prior periods					
2	Income Tax prior period					
3	Excess Provision for Depreciation	27.06	27.06	-		
4	Excess Provision for Interest and Fin. Charges	24.95	24.95	-		
5	Receipts from consumers					
6	Other Excess Provision					
7	Others	2.13	2.13	-		
	Sub-Total A	54.15	54.15	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	0.50	0.50	1.13		
5	Depreciation	0.01	0.01	159.07		
6	Interest and Finance Charges	1.28	1.28	29.98		
7	Admin. Expenses	1.20	1.20	0.07		
8	Withdrawal of Revenue Demand					
9	Material Related					
10	Others					
	Sub-Total B	2.98	2.98	190.26	0.00	0.00
	Net prior period Credit/(Charges) : A-B	-51.17	-51.17	190.26	0.00	0.00

SUPERINTENDING ENGINEER (COM.)  
Purvanchal Vidyut Vitran Nigam Limited  
Vidyut Nagar, P.O. 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
Sl 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	Balance at the end of the Year
1	Consumer Contribution Towards Cost Of Capital Assets (Net)	987.39	160.92	1,148.31	63.81	1,212.12	107.50	1,319.62
2	Consumer Contribution towards Metering Systems							
3	Others							
	<b>Sub-Total</b>	<b>987.39</b>	<b>160.92</b>	<b>1,148.31</b>	<b>63.81</b>	<b>1,212.12</b>	<b>107.50</b>	<b>1,319.62</b>
4	Subsidies Towards Cost Of Capital Asset							
5	Grant Towards Cost Of Capital Assets							
6	Others							
	<b>Sub-Total</b>							
	<b>Total</b>	<b>987.39</b>	<b>160.92</b>	<b>1,148.31</b>	<b>63.81</b>	<b>1,212.12</b>	<b>107.50</b>	<b>1,319.62</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi




Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					Form No: F17
Statement of Assets Not in Use					
	Financial Year*				
Sl. No.	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					

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi






Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Current Assets & Liabilities				Form No: F19	
Sl.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
<b>A</b>	<b>Current Assets, Loans and Advances</b>	<p>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.</p>			
	Sundry Debtors				
	Inventories				
	Cash and Bank Balances				
	Loans and Advances				
	Other current assets				
<b>B</b>	<b>Current Liabilities and Provisions</b>				
	Sundry Creditors				
	Provisions				
	Other Current Liabilities				
<b>C</b>	<b>NET CURRENT ASSETS (A - B)</b>				

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited  
Capital Investment Plan for FY 2014-15

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
Earthling of Transformer	0.00	0.00		0.00
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	241.81	241.81
<b>Total</b>	<b>959.17</b>	<b>411.07</b>	<b>241.81</b>	<b>1612.05</b>

  
SUPERINTENDING ENGINEER (COM)  
Purvanchal Vidyut Vitran Nigam Ltd.  
Vidyut Nagar, P.O. D.L.W., Varanasi



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


Additional Form

Description	Qty	Loans	Capital Expenditure		Total
			Equity / Internal Accruals	Deposit Works	
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

  
SUPERINTENDING ENGINEER (COM.)  
Purvanchal Vidyut Vitran Nigam Limited  
Vijaya Nagar, P.O. D.L.W. Varanasi


Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited	
Capital Formation During FY 2013-14	Additional Form

Detail	Balance 31-Mar-13	Investments	Cap interest	Cap expenses	To GFA	Depreciation	Balance 31-Mar-14
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gross Fixed Assets	4,257.0	2,125.1	600.0			7.84%	5,782.2
Depreciation							393.5
Work in Progress	1,303.8	1,304.3	124.4	27.5	2,125.1		635.0


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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	Invest-ments	Cap interest	Cap expenses	To GFA	Depreciation	Balance 31-Mar-15
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gross Fixed Assets	5,782.2	968.0				7.84%	6,750.2
Depreciation							491.3
Work in Progress	635.0	1,612.0	143.8	14.2	968.0		1,437.0


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. 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	6750.17	1510.30				7.84%	8,260.5
Depreciation							588.4
Work in Progress	1,437.0	2,138.0	79.8	106.0	1,510.3		2,250.5

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited			
Revenue Assesment,Sales & Through Rate :FY 2014-15			Form No: T3
Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	<b>1,609.11</b>	<b>6,081.85</b>	<b>2.65</b>
(a) Consumer getting supply as per "Rural Schedule"	726.31	4,655.04	1.56
(b) Supply at Single Point for Bulk Loads	15.54	25.48	6.10
(c) Other Metered Domestic Consumers	846.80	1,339.95	6.32
(d) Life Line Consumers	20.46	61.39	3.33
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>738.00</b>	<b>1,367.18</b>	<b>5.40</b>
(a)Non-Domestic(Rural)	173.06	681.44	2.54
(b)Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c)Non-Domestic (Urban Metered)	564.95	685.74	8.24
<b>LMV-3: Public Lamps</b>	<b>124.03</b>	<b>201.21</b>	<b>6.16</b>
<b>LMV-4: Insitutions</b>	<b>415.50</b>	<b>565.30</b>	<b>7.35</b>
(a) Public Institution	365.80	501.54	7.29
(b) Private Institution	49.70	63.77	7.79
<b>LMV-5: Private Tube Wells</b>	<b>167.24</b>	<b>1,885.61</b>	<b>0.89</b>
(a) Rural	132.60	1,821.04	0.73
(b) Urban	34.64	64.58	5.36
<b>LMV 6: Small and Medium Power</b>	<b>445.37</b>	<b>561.97</b>	<b>7.93</b>
<b>LMV-7: Public Water Works</b>	<b>475.05</b>	<b>672.80</b>	<b>7.06</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>390.73</b>	<b>750.29</b>	<b>5.21</b>
<b>LMV-9: Temporary Supply</b>	<b>9.15</b>	<b>11.57</b>	<b>7.91</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>32.82</b>	<b>91.98</b>	<b>3.57</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>240.27</b>	<b>299.74</b>	<b>8.02</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>877.97</b>	<b>1,256.33</b>	<b>6.99</b>
<b>HV-3: Railway Traction</b>	<b>395.98</b>	<b>549.79</b>	<b>7.20</b>
<b>HV-4: Lift Irrigation Works</b>	<b>577.09</b>	<b>848.45</b>	<b>6.80</b>
<b>Sub Total</b>	<b>6,498.32</b>	<b>15,144.09</b>	<b>4.29</b>
<b>Bulk &amp; Extra State</b>	<b>-</b>	<b>0.39</b>	<b>-</b>
<b>Varanasi DisCom</b>	<b>6,498.32</b>	<b>15,144.48</b>	<b>4.29</b>

  
 SUPERINTENDING ENGINEER (COM)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W. Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited			
Revenue Assesment, Sales & Through Rate : FY 2015-16			Form No: T3
Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	<b>2,201.55</b>	<b>7,642.82</b>	<b>2.88</b>
(a) Consumer getting supply as per "Rural Schedule"	1,244.38	6,085.06	2.04
(b) Supply at Single Point for Bulk Loads	16.04	26.39	6.08
(c) Other Metered Domestic Consumers	916.18	1,455.99	6.29
(d) Life Line Consumers	24.95	75.38	3.31
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>784.08</b>	<b>1,456.96</b>	<b>5.38</b>
(a) Non-Domestic (Rural)	181.78	722.61	2.52
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c) Non-Domestic (Urban Metered)	602.30	734.35	8.20
<b>LMV-3: Public Lamps</b>	<b>137.47</b>	<b>223.56</b>	<b>6.15</b>
<b>LMV-4: Insitutions</b>	<b>459.33</b>	<b>627.03</b>	<b>7.33</b>
(a) Public Institution	411.10	564.97	7.28
(b) Private Institution	48.23	62.06	7.77
<b>LMV-5: Private Tube Wells</b>	<b>170.79</b>	<b>1,892.92</b>	<b>0.90</b>
(a) Rural	132.69	1,821.89	0.73
(b) Urban	38.10	71.04	5.36
<b>LMV 6: Small and Medium Power</b>	<b>486.09</b>	<b>617.04</b>	<b>7.88</b>
<b>LMV-7: Public Water Works</b>	<b>504.50</b>	<b>714.59</b>	<b>7.06</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>409.24</b>	<b>784.84</b>	<b>5.21</b>
<b>LMV-9: Temporary Supply</b>	<b>10.24</b>	<b>13.03</b>	<b>7.86</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>37.08</b>	<b>103.68</b>	<b>3.58</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>265.70</b>	<b>331.58</b>	<b>8.01</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>932.47</b>	<b>1,333.13</b>	<b>6.99</b>
<b>HV-3: Railway Traction</b>	<b>419.94</b>	<b>583.35</b>	<b>7.20</b>
<b>HV-4: Lift Irrigation Works</b>	<b>624.74</b>	<b>919.01</b>	<b>6.80</b>
<b>Sub Total</b>	<b>7,443.21</b>	<b>17,243.53</b>	<b>4.32</b>
Bulk & Extra State	0.17	0.39	4.28
<b>Varanasi DisCom</b>	<b>7,443.38</b>	<b>17,243.93</b>	<b>4.32</b>

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi




Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

Revenue Arrears and Agewise Analysis - PREVIOUS YEAR 2013-14

Form No: PI

S.No.	Particulars	Arrears at the beginning of the year	Billed during the year	Realised during the year	Arrears at the end of year	Percentage increase (+) Decrease (-)		Age-wise Analysis (Months)				NOTES:
							Upto 6 Months	6-12 Months	12-24 Months	24-36 Months	More than 3years	
1	Sale of power within State											
2	Sale of power inter state											
3	Electricity duty											
4	Dues from permanently disconnected consumers having arrears more than 10 lacs											
5	Dues from permanently disconnected consumers having arrears less than 10 lacs											
6	Miscellaneous receipts from consumers											
7	Less provision for doubtful dues from consumers											
8	<b>Total (1+2+3+4+5+6-7)</b>	<b>4,080.82</b>	<b>4,964.42</b>	<b>4,505.27</b>	<b>4,539.97</b>							
9	Details of litigation/disputes having dues more than Rs.10 lacs											
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears'											


  
**SUPERINTENDING ENGINEER (COM.)**  
Purvanchal Vidyut Vitran Nigam Limited  
Vidyut Nagar, P.O. D.L.W., Varanasi

Name of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

Revenue Arrears and Age-wise Analysis- Current Year FY 2014-15


Form No: P1

S.No.	Particulars	Arrears at the beginning of the year	Billed during the year	Realised during the year	Arrears at the end of year	Percentage increase (+) Decrease (-)		Age-wise Analysis (Months)				NOTES:
							Upto 6 Months	6-12 Months	12-24 Months	24-36 Months	More than 3years	
1	Sale of power within State											
2	Sale of power inter state											
3	Electricity duty											
4	Dues from permanently disconnected consumers having arrears more than 10 lacs											
5	Dues from permanently disconnected consumers having arrears less than 10 lacs											
6	Miscellaneous receipts from consumers											
7	Less provision for doubtful dues from consumers											
8	<b>Total (1+2+3+4+5+6-7)</b>	<b>4,539.97</b>	<b>6,498.32</b>	<b>5,523.57</b>	<b>5,514.72</b>		-	-	-	-	-	
9	Details of litigation/disputes having dues more than Rs.10 lacs											
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears'											


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited,  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name Of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited														
Revenue Arrears and Agewise Analysis										Form No: P1				
Details to be provided for PY, CY														
S.No.	Particulars		Arrears at the beginning of the year	Billed during the year	Realised during the year	Arrears at the end of year	Percentage increase (+) Decrease (-)		Age-wise Analysis (Months)					NOTES:
								Upto 6 Months	6-12 Months	12-24 Months	24-36 Months	More than 3years		
1	Sale of power within State													
2	Sale of power inter state													
3	Electricity duty													
4	Dues from permanently disconnected consumers having arrears more than 10 lacs													
5	Dues from permanently disconnected consumers having arrears less than 10 lacs													
6	Miscellaneous receipts from consumers													
7	Less provision for doubtful sdues from consumers													
8	Total (1+2+3+4+5+5-7)		5728.769941	3783.7346	2501.2617	7011.24277								
9	Details of litigation/disputes having dues more than Rs.10 lacs													
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears'													

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

Name Of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited														
Revenue Arrears of Government/ Local Bodies and Agewise Analysis											Form No: P1(a)			
Details to be provided for PY, CY														
S.No.	Particulars		Arrears at the beginning of the year	Billed during the year	Realised during the year	Arrears at the end of year	Percentage increase (+) Decrease (-)		Age-wise Analysis (Months)					NOTES:
								Upto 6 Months	6-12 Months	12-24 Months	24-36 Months	More than 3years		
1	Sale of power to the Government deparments	2121.40	3409.03	836.06	70.73	4128.15	(+) 21.09							
	Name of the Department													
	1- Public Lighting 2- water works													
	3-State Tubewells 4- Ligt Irrigation & Pump canal													
	.....													
2	Electricity duty													
3	Provision of unbilled revenue													
4	Dues from permantently disconnected consumers having arrears more than 10 lacs													
5	Dues from permantently disconnected consumers having arrears less than 10 lacs													
6	Miscellaneous receipts from Govt.													
7	Less provision for doubtful dues from Govt.													
8	Total (1+2+3+4+5+6-7)	2121.40	3409.03	836.06	70.73	4128.15	(+) 21.09							
9	Details of litigation/disputes having dues more than Rs.10 lacs													
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears'													
	Note: Formats should be separately provided for Government and Local Bodies													

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name Of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
T&D Losses in LT and HT system					Form No: P2
All Figures in MU					
S.No	Particulars	PY Actual	CY Estimated	EY Projection	Remarks
<b>A</b>	<b>System Losses At 33 KV</b>				
1	Energy received into the system				
2	Energy sold at this voltage level				
3	Energy transmitted to the next (lower) voltage level				
4	Energy Lost				
5	<b>Total Loss in the system (4/1)*100%</b>				
<b>B</b>	<b>Losses At 11 KV</b>				
1	Energy received into the system				
2	Energy sold at this voltage level				
3	Energy transmitted to the next (lower) voltage level				
4	Energy Lost				
5	<b>Total Loss in the system (4/1)*100%</b>				
<b>C</b>	<b>LT System Losses</b>				
1	Energy received into the system				
2	Energy sold at this voltage level				
3	Energy Lost				
4	<b>Total Loss in the system (3/1)*100%</b>				
<b>D</b>	<b>Overall Losses</b>				
1	Energy In (A1)	16,034.12	18,120.18	19,952.76	
2	Energy Out (A2+B2+C2+D2))	11,919.31	13,563.03	15,035.08	
3	<b>Total T&amp;D Loss ((1-2)/1)*100%</b>	<b>25.66%</b>	<b>25.15%</b>	<b>24.65%</b>	


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nigam, P.O. D.L.W., Varanasi

Name Of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited					
Consumer Complaint					Form No: P3
SL.NO.	TYPE OF COMPLAINT	NO. OF COMPLAINTS RECEIVED DURING			
		1st.Six months of previous year	2nd.Six months of previous year	1st.Six months of current year	2nd Six months of current year
1	<b>Interruption due to problem in LT supply</b> (Fuse off call at aerial cutouts/Scalable cutouts,snapping of wires,falling of trees on overhead lines,fire due to short circuit of LT lines consequent to loose spans and touching of tree branches)	15000	18000	13500	12500
2	<b>Problems in metering and meter reading</b> (Delay in replacement of non-recording meters, replacement of burnt out meter, replacement of meters recording excess consumption due to creeping, breakage of seals provided to the meter, mistakes in totaling by the MR while issuing the bills, wrong notin	10856	12005	11004	12001
3	<b>Errors in billing</b> (Excessive billing, amount already paid by consumer shown as arrears, wrong application of tariff, posting of wrong initial reading, showing the short claims in the monthly bill without furnishing the details to the consumer, wrong postings, i.e. postings	4002	2890	2537	4582

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Sl.No.	Particulars	First six months of the PY		Last six months of the PY		For the CY		Corrective
	Substation wise	Percentage of time when voltage was		Percentage of time when voltage was		Percentage of time when voltage was		measures proposed
	At 33 kv side of transformer (incoming point of 33 kv bus)	below	above	below	above	below	above	
	Include all feeders	(9%)	(6%)	(9%)	(6%)	(9%)	(6%)	
1	At no instance the voltage was above 6% of below 9% for any feeder. This is due to the specific demography of Kanpur city as the licensee caters supply to only the urban area. As the 33 kv feeding lines are not much long, the voltage drop across these lines is insignificant	Nil	Nil	Nil	Nil	Nil	Nil	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W. Varanasi

Name Of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited

Failure of Transformers


Form No: P7

S.No	Particulars	Previous Year			Current Year			Reasons For Failure & Corrective Actions proposed to minimise
		Total numbers of Transformers	Transformers damaged	%	Total numbers of Transformers	Transformers damaged	%	
1	Power Transformer (HT)							
	Rating							
	i							
	ii							
	iii							
	iv							
	v							
2	Distribution Transformers							
	Rating							
	i 10 KVA	59929	4178	6.97	64198	4043	7.46	
	ii 16 KVA	1934	22	0.10	2072	19	0.09	
	iii 25 KVA	90252	13670	15.15	96682	13470	13.93	
	iv 63 KVA	26214	6086	23.21	28082	5985	21.31	
	v 100 KVA	7931	2203	27.80	8496	2227	26.21	
	vi 160 KVA	644	170	26.40	690	159	23.04	
	vii 250 KVA	3906	915	23.42	4184	833	19.9	
	viii 300 KVA	2	0	-	2	0	-	
	ix 400 KVA	3079	530	17.21	3298	816	24.74	
	x 500 KVA	18	0	-	19	1	5.26	
	xi 630 KVA	760	166	21.84	815	152	18.65	
	xii 750 KVA	2	0	-	2	0	-	
	xiii 800 KVA	1	0	-	1	0	-	
	xiv 100 KVA	52	5	9.61	56	7	12.5	
		194724	27945	14.35	208597	27712	13.28	0


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name Of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited		
Billing Details - Periodicity as per regulations		Form No. P8
Sl.No.	Consumers Category	Billing Cycle
1	Domestic L/F (LMV-1)	Monthly & by Monthly both
2	LMV-2 - LMV-9	Monthly
3	H.V. -1 - H.V.-4	Monthly


  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi

Name Of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited						
Debt Restructuring				Form No: P12		
S. No	Long Term Loans / Credits from the FIs/banks/ organisations approved by the State Government	Cost of Debt before restructuring	Interest Burden before rest.	Cost of Debt after restr.	Interest Burden after restr.	Benefit (2-4)
		1	2	3	4	5
I						
1	LIC	NIL				
2	REC					
3	PFC					
4	Bonds					
5	Bank/FIIs					
6	APDRP					
7	Any Other					
	Total of I					
II	Interest on Working Capital Loans Or Short Term Loans					

  
 SUPERINTENDING ENGINEER (CON)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.W., Varanasi



Name Of Distribution Licensee: Purvanchal Vidyut Vitran Nigam Limited								
Release of New service Connections						Form No: P13		
	Pre-PY		PY		CY		Action Proposed to be taken for providing service connections in time	Remarks
Period	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply		
April			9426		65266			
May	5352		16632		33602			
June	14460		19082		24290			
July	14461		19083		24290			
August	16097		28424		10407			
September	44630		1052					
October	29826		19285					
November	29827		19285					
December	16170		28983					
January	3289		20217					
February	29667		25417					
March	9400		13522					
Total	213179		220408		157855			

  
 SUPERINTENDING ENGINEER (COM.)  
 Purvanchal Vidyut Vitran Nigam Limited  
 Vidyut Nagar, P.O. D.L.

## **Annexure- 2**

**Statutory Accounts along with Supplementary  
Audit Report of the Accountant General of  
Uttar Pradesh for FY 2012-13**



**PURVANCHAL VIDYUT VITRAN NIGAM LIMITED**



**BALANCE SHEET**

As At

31.03.2013

&

**STATEMENT OF PROFIT & LOSS  
FOR THE PERIOD FROM**

01.04.2012

To

31.03.2013

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

## CONTENT

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



**PURVANCHAL VIDYUT VITRAN NIGAM LIMITED**  
(A wholly owned subsidiary of U.P. Power Corporation Limited)  
VIDYUT NAGAR, BHIKHARIPUR, C.L.W. VARANASI  
**BALANCE SHEET AS AT 31ST MARCH, 2013**

(Amount in Rs.)

PARTICULARS	NOTE	31-03-2013	31-03-2012
<b>(I) EQUITY AND LIABILITIES</b>			
Part - A			
1 Shareholder's Funds			
a) Share Capital	1	22,042,265,000	4,607,532,000
c) Reserve & Surplus	2	(96,952,059,173)	(73,950,120,359)
2 Share Application Money Pending for Allotment	3	6,618,950,875	23,890,836,089
3 Non Current Liabilities			
Borrowings			
ii) Long Term (Secured)	4	7,519,069,023	4,209,106,992
iii) Long Term (Unsecured)	4	67,411,045,607	4,336,290,961
4 Current Liabilities			
a) Current Maturity of Long Term Borrowings (Secured)	4	1,094,593,934	3,085,329,809
b) Current Maturity of Long Term Borrowings (Unsecured)	4	912,753,045	822,302,224
c) Short Term Borrowings			
ii) Trade Payables	5	74,366,367,457	111,561,390,697
iii) Other Current Liabilities	6	38,335,966,481	24,887,272,803
<b>TOTAL</b>		<b>121,839,156,449</b>	<b>103,449,937,215</b>
<b>(II) ASSETS</b>			
1 Non - Current Assets			
a) Fixed Assets			
i) Tangible assets	7	20,916,272,456	25,849,299,513
ii) Capital work-in-progress	7	13,038,016,636	11,279,360,362
2 Current Assets			
a) Inventories	8	149,388,556	797,594,269
b) Trade Receivables	9	71,237,013,603	57,287,699,413
c) Cash and Cash Equivalent	10	6,493,232,098	6,196,602,440
d) Other Current Assets	11	1,005,250,100	1,049,381,218
<b>TOTAL</b>		<b>121,839,156,449</b>	<b>103,449,937,215</b>

**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)

  
By 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 SHAILESH SHARMA  
(Membership No. 402413)  
Partner

Place Varanasi  
Date: 23/01/2014




**PURVANCHAL VIDYUT VITRAN NIGAM LIMITED**  
(A wholly owned subsidiary of U.P. Power Corporation Limited)  
VIDYUT NAGAR, SHIKHARPUR, D.L.W. VARANASI  
**STATEMENT OF PROFIT & LOSS FOR THE YEAR ENDED 31st MARCH, 2013**


PARTICULARS	NOTE	31-03-2013	31-03-2012
<b>Part A</b>			
<b>A. REVENUE FROM OPERATIONS</b>			
1 Sale of Power	12	41,908,304.722	35,062,817.572
Add: Energy Intensity Consumed		261,237.730	113,741.026
		42,169,542.452	35,176,558.598
Less: Electricity Duty		1,524,578.526	956,540.464
		40,644,963.926	34,220,018.134
2 Other Income	13	10,699,068.700	13,338,260.162
<b>3 TOTAL (1+2)</b>		<b>51,344,032.626</b>	<b>47,558,278.296</b>
<b>4 Expenses</b>			
(a) Cost of Power Purchased	14	60,671,558,040	61,336,757,662
(b) Employee's Benefits Expenses	15	3,137,278,151	2,040,195,762
(c) Finance Costs	16	8,160,180,081	1,578,580,919
(d) Depreciation and Amortization Expense	17	1,315,508,042	1,214,982,243
(e) Other Expenses	18	3,889,755,719	2,893,327,452
<b>TOTAL EXPENSES</b>		<b>77,164,280,533</b>	<b>69,049,817,738</b>
5 Profit before exceptional and extraordinary items and tax (3 - 4)		(25,820,094,007)	(22,491,540,542)
6 Extraordinary items			
7 Profit/(Loss) before extraordinary items and tax (5 - 6)		(25,820,094,007)	(22,491,540,542)
8 Extraordinary items - Prior Period Items	19	511,870,980	(34,206,538)
9 Profit/(Loss) before tax (7 - 8)		(25,328,423,024)	(22,440,355,080)
10 Tax expense			
11 Profit/(Loss) for the period from continuing operations (9-10)		(25,328,423,024)	(22,440,355,080)
<b>B. DISCONTINUING OPERATIONS</b>			
12 (i) Profit/(Loss) from discontinuing operations			
(ii) Gain/(Loss) on disposal of assets			
(iii) Add/(Less): Tax expenses of discontinuing operations			
13 Profit/(Loss) from Discontinuing operations (after tax)			
<b>C. TOTAL OPERATIONS</b>			
14 Profit/(Loss) for the year (XI + XIV)		(25,328,423,024)	(22,440,355,080)
15 Earnings per equity share			
(1) Basic		(1,148)	(4,870)
(2) Diluted		(866)	(787)

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  
(As Per Part A)

  
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 CHALISH SHARMA  
(Membership No: 402413)  
BDOH

Place: Varanasi  
Date: 23/07/2014





**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	31-03-2013	31-03-2012
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**NOTE**

**PART - A : NOTE - 1**

**SHARE CAPITAL**

**1. Authorized**

50,00,000 Equity Shares of Rs. 1,000 each	50,00,000,000	5,000,000,000
(Previous year: 50,00,000 equity shares of Rs. 1,000 each)		

**2. Issued, Subscribed and Paid Up**

22042266 Equity Shares of Rs. 1,000/- each fully paid up	22,042,266,000	4,607,532,000
(Previous year: 46,07,532 equity shares of Rs. 1,000 each)		

<b>Total Issued, Subscribed and Fully Paid up Share Capital</b>	<b>22,042,266,000</b>	<b>4,607,532,000</b>
-----------------------------------------------------------------	-----------------------	----------------------

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

Equity Shares	31.03.2013		31.03.2012	
	No. of Shares	Amount (Rs.)	No. of Shares	Amount (Rs.)
At the beginning of the period	4,607,532	4,607,532,000	4,607,532	4,607,532,000
Issued during the period	17,434,734	17,434,734,000	-	-
Total at the end of the period	22,042,266	22,042,266,000	4,607,532	4,607,532,000

**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:-

	31.03.2013		31.03.2012	
	No. of Shares	Amount (Rs.)	No. of Shares	Amount (Rs.)
U.P. Power Corporation Limited	22,041,766	22,041,766,000	4,607,032	4,607,032,000
22041766 Equity Shares (Previous year: 46,07,032 equity shares) of Rs. 1,000 each fully paid up				
<b>Total</b>	<b>22,041,766</b>	<b>22,041,766,000</b>	<b>4,607,032</b>	<b>4,607,032,000</b>

**Notes**

- Out of 22042266 Equity shares (Previous year: 46,07,532 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 Discount Transfer Scheme.
- Out of 22042266 Equity shares (Previous year: 46,07,532 equity shares) 20,89,026 equity shares (Previous year: 34,55,532 equity shares) allotted to holding company and fully paid against consideration of cash to UPPCL.
- Out of 22042266 Equity shares (Previous year: 46,07,532 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

(Amount in Rs.)

PARTICULARS	31-03-2013	31-03-2012
<b>PART - A : NOTE - 2</b>		
<b>RESERVE &amp; SURPLUS</b>		
<b>(A) Capital Reserve</b>		
<b>i) Consumers Contribution Towards Service Line and Other Charges</b>		
Opening Balance	7,650,566.106	7,250,576.455
Add: Additions during the year	1,410,853.017	744,382.033
Less: Deductions/Adjustments	610,022.057	344,402.382
Closing Balance	8,451,397.066	7,650,566.106
<b>ii) Subsidies Towards Cost of Capital Assets</b>		
Opening Balance	1,606,757.096	1,606,604.090
Add: Additions during the year	6,228.000	-
Less: Deductions/Adjustments	192,571.740	80,126.994
Closing Balance	1,422,413.356	1,606,757.096
<b>Total Capital Reserve (i+ii)</b>	<b>9,873,810.412</b>	<b>9,257,323.202</b>
<b>(B) Other Reserve</b>		
<b>i) Restructuring Reserve</b>		
Opening Balance	1,621,783.787	1,621,783.787
Add: Additions during the year	-	-
<b>Total</b>	<b>1,621,783.787</b>	<b>1,621,783.787</b>
<b>(C) Profit &amp; Loss Account : Surplus (Deficit)</b>		
Opening Balance brought forward	(84,829,230,348)	(62,368,875,268)
Add: Net Profit / (Loss) for the Year	(25,328,423,024)	(22,440,356,080)
<b>Total</b>	<b>(110,157,653,372)</b>	<b>(84,829,230,348)</b>
<b>GRAND TOTAL (A+B+C)</b>	<b>(98,662,059,173)</b>	<b>(73,950,123,369)</b>

**PART - A : NOTE - 3**

**SHARE APPLICATION MONEY**

**(Pending for Allotment)**

Opening Balance	23,890,836,089	20,645,262,748
Add: Additions during the year	2,362,848,786	3,275,553,340
Less: Deductions/Adjustments	17,434,734,000	-
	<b>8,818,950,875</b>	<b>23,890,836,089</b>

*Handwritten signatures and initials.*





**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	31-03-2013	31-03-2012
<b>PART - A - NOTE - 4</b>		
<b>BORROWINGS</b>		
<b>a) Long Term (Secured)</b>		
Rural Electrification Corporation Ltd	7,294,435,800	7,318,548,550
Add: New Borrowings during the year	4,567,499,000	2,690,298,004
Add: Interest Accrued & Due	-	-
Less: Repay during the year	3,046,271,543	8,613,662,957
	<u>2,714,410,754</u>	<u>2,714,410,754</u>
(Secured against hypothecation of Store Material and 3911 Substation)		
Less: Current Maturity of Long Term Borrowings (Secured)	1,094,593,934	3,085,329,656
<b>TOTAL</b>	<b>7,519,069,023</b>	<b>4,209,105,992</b>
<b>b) Long Term (Unsecured)</b>		
<b>i) Government of Uttar Pradesh</b>		
Loan - Opening Balance	554,139,000	554,139,000
Add: Interest Accrued & Due	-	-
Less: Repay during the year	554,139,000	554,139,000
	<u>-</u>	<u>-</u>
<b>ii) Power Finance Corporation Limited</b>		
Loan - Opening Balance	1,746,500,469	1,607,428,923
Add: New Borrowings during the year	4,572,300,000	-
Add: Interest Accrued & Due	-	-
Less: Repay during the year	159,714,536	6,159,085,933
	<u>1,809,266,454</u>	<u>1,809,266,454</u>
<b>iii) NCRPB</b>		
Loan - Opening Balance	-	34,407,000
Add: New Borrowings during the year	-	-
Add: Interest Accrued & Due	-	-
Less: Repay during the year	-	34,407,000
	<u>-</u>	<u>-</u>
<b>iv) H.U.D.C.O.</b>		
Loan - Opening Balance	2,837,633,486	1,780,507,143
Add: Borrow during the year	947,800,914	1,455,798,513
Add: Interest Accrued & Due	-	-
Less: Repay during the year	575,839,748	3,209,594,652
	<u>3,209,594,652</u>	<u>3,209,594,652</u>
<b>v) Financial Participation by Consumers</b>		
Loan - Opening Balance	20,320,230	20,320,230
Add: Borrow during the year	-	-
Add: Interest Accrued & Due	-	-
Less: Repay during the year	20,320,230	20,320,230
	<u>-</u>	<u>-</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	31-03-2013	31-03-2012
<b>vi) Working Capital Loan</b>		
<b>a) Commercial Banks</b>		
Loan - Opening Balance		
Add: New Borrowings during the year	53,843,786,437	
Add: Interest Accrued & Due		
Less: Repay during the year	53,843,786,437	
<b>b) Power Finance Corporation Limited</b>		
Loan - Opening Balance		
Add: New Borrowings during the year	3,933,482,600	
Add: Interest Accrued & Due		
Less: Repay during the year	3,933,482,600	
<b>c) Noida</b>		
Loan - Opening Balance		
Add: New Borrowings during the year	402,460,000	
Add: Interest Accrued & Due		
Less: Repay during the year	402,460,000	
<b>d) Mandi Parsdhat</b>		
Loan - Opening Balance		
Add: New Borrowings during the year	201,230,000	
Add: Interest Accrued & Due		
Less: Repay during the year	201,230,000	
<b>TOTAL</b>	<b>68,324,099,037</b>	<b>5,158,593,185</b>
Less Current Maturity of Long Term Borrowings (Unsecured)	912,753,045	822,302,224
<b>TOTAL</b>	<b>67,411,345,992</b>	<b>4,336,290,961</b>
<b>GRAND TOTAL</b>	<b>74,930,414,830</b>	<b>8,545,396,953</b>









**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	31-03-2013	31-03-2012
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**PART - A : NOTE - 5**

**TRADE PAYABLES**

1) Liability for Purchase of Power	88,291,078.012	107,829,208.203
2) Liability for Wheeling Charges	6,075,280.445	3,732,182.494
	<u>74,366,367.457</u>	<u>111,561,390.697</u>

**PART - A : NOTE - 6**

**OTHER CURRENT LIABILITIES**

1) Liability for Capital Supplies/Works	8,285,305.847	7,192,315.771
2) Staff Related Liabilities	3,109,493.448	3,161,600.354
3) Deposits & Retentions from Suppliers & Other	455,201.009	417,404.194
4) Electricity Duty & Other Levies Payable to Govt.	1,713,007.058	950,918.528
5) Deposits for Electrification Works	762,024.059	454,694.202
6) Sundry Liabilities	3,027,040.761	271,100.504
7) Provident Fund Liabilities	4,907,677.756	4,555,309.179
Pension and Gratuity Liabilities	1,590,434.835	1,220,442.055
8) CPF Liability	38,811.579	30,822.536
9) Security Deposits from Consumers	4,066,498.844	3,877,543.288
Interest on Security Deposits from Consumer	1,126,238.484	1,087,670.958
10) Payable to UPFCL	9,065,031.883	318,694.689
11) Payable to KESCO		
12) Payable to Madhyanchal VVN	1,119,086.785	581,354.207
13) Payable to Dakshinanchal VVN	261,448.680	
15) Payable to U.P.P.T.C.L.	4,129.888	
16) Liabilities for Expenses	258,333.875	244,012.789
17) Interest Accrued but not Due	299,507.001	144,554.500
18) Inter Unit Transaction	(1,763,391.102)	278,536.451
	<u>38,335,869.481</u>	<u>24,887,272.803</u>

**PART - A : NOTE - 7**

**FIXED ASSETS**

1) Tangible Assets	29,916,272.458	26,849,299.513
(As per Annexure 1 of Note 7)		
2) Capital work-in-progress	13,038,018.636	11,279,380.362
(As per Annexure 2 of Note 7)		
	<u>42,954,291.092</u>	<u>38,128,659.875</u>

**PART - A : NOTE - 8**

**INVENTORIES**

**Store & Spares**

1) Stock of Materials	100,540.845	608,858.432
2) Other Materials	606,528.911	638,437.837
3) Less: Provision for Unserviceable Stores	457,700.000	457,700.000
	<u>149,369.556</u>	<u>787,594.269</u>

*[Handwritten signatures]*



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

PARTICULARS	31-03-2013	31-03-2012
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**PART - A : NOTE - 9**

**TRADE RECEIVABLES**

1) Secured and Considered Good	5,212,737,308	4,965,314,265
2) Unsecured and Considered Good	66,024,275,295	62,322,385,127
3) Unsecured and Considered Doubtful	<u>25,342,762,207</u>	<u>24,658,826,751</u>
	96,579,775,910	81,976,526,164
4) Less: Provision for Bad & Doubtful Debts	25,342,762,207	24,658,826,751
	<u>71,237,013,603</u>	<u>57,287,699,413</u>

**PART - A : NOTE - 10**

**CASH AND CASH EQUIVALENT**

**Cash and Cash Equivalents**

I. a) Cash in Hand	1,255,650,204	914,672,163
b) Balances in Current and other Accounts	4,437,475,359	4,430,855,550
c) Fixed Deposits with Scheduled Banks (Original Maturity upto three months)	800,106,505	500,000,000
II Other Balances		
Fixed Deposits with Scheduled Banks (Original Maturity more than three months)	-	351,074,717
	<u>6,493,232,098</u>	<u>6,196,602,440</u>

**PART - A : NOTE - 11**

**OTHER CURRENT ASSETS**

1) Receivable from KESCO	20,106,958	1,111,368
2) Receivable from Madhyanchal VVNL	-	-
3) Receivable from Dakshinanchal VVNL	-	35,164,801
4) Receivable from Pashchimanchal VVNL	43,625,000	30,868,115
5) Prepaid Expenses	717,673	740,293
6) Receivable from Employees	397,010,560	494,782,209
7) Receivable from UPPCL against transfer of Material	-	-
8) Receivable from UPPCL against Subsidy Grant	-	-
9) Receivable from UPPCL against Equity / etc.	-	-
10) Receivable from UPPCL against Loans	-	-
11) Others Receivables	<u>543,780,909</u>	<u>486,775,432</u>
	<u>1,005,250,100</u>	<u>1,049,381,218</u>

*Signature*

*Signature*

*Signature*

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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

(Amount in Rs.)

PARTICULARS	31-03-2013	31-03-2012
<b>PART - A : NOTE - 12</b>		
<b>REVENUE FROM OPERATIONS</b>		
<u>Sale of Power</u>		
Extra State Consumer		
<u>Large Supply Consumers</u>		
Industrial	7,213,676,317	6,714,552,891
Traction	2,372,180,000	2,031,924,000
Irrigation	2,152,402,854	1,858,928,437
Public Water Works	1,994,630,856	2,090,625,389
Small & Other Consumers		
Domestic	11,436,804,293	9,884,683,186
Commercial	7,445,011,087	5,828,050,338
Industrial Low & Medium Voltage	2,774,947,057	2,332,783,560
Public Lighting	626,830,384	652,917,702
STW & Pump Canals	3,114,386,474	2,744,206,534
FTW & Sewage Pumping	1,154,849,115	26,754,128,490
	945,781,904	22,388,425,224
Other Miscellaneous Charges	156,103,407	135,663,123
	<u>40,646,123,926</u>	<u>34,220,119,034</u>
Less: Internally Energy Consumed	261,337,730	113,741,926
	<u>40,383,786,196</u>	<u>34,106,377,108</u>
Add: Electricity Duty	1,524,578,526	956,540,464
<b>TOTAL</b>	<u>41,908,364,722</u>	<u>35,062,917,572</u>

**PART - A : NOTE - 13**

**OTHER INCOME**

Subsidies Received

From Government of Uttar Pradesh

Rural Electrification Subsidy

Revenue and Tariff Subsidy

Others

Interest on Loans to staff

Interest on Fixed Deposit

Delayed Payment Charges

Income from Contractor & Suppliers

Rental from Staff

Miscellaneous Receipts

Excess Found on physical Verification of Stores

**TOTAL :**

	855,200,000	487,300,000	
	9,139,000,000	9,997,200,000	12,309,400,000
	42,725	10,433	
	132,949,689	132,992,394	57,242,434
		529,183,886	450,773,452
		30,477,289	28,577,468
		107,447	109,770
		9,036,435	3,068,759
	91,249		2,169,846
<b>TOTAL :</b>	<u>10,699,056,700</u>		<u>13,339,550,162</u>

**PART - A : NOTE - 14**

**COST OF POWER PURCHASED**

1) Purchases from Holding Company - U.P. Power Corporation Ltd.

2) Transmission Charges

**Total Power Purchased**

57,081,603,100

2,789,885,640

60,671,558,640

59,360,088,060

1,978,689,602

61,338,757,662

**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	31-03-2013	31-03-2012
<b>PART - A : NOTE - 15</b>		
<b>EMPLOYEE'S BENEFITS EXPENSES</b>		
Salaries & Allowances	1,990,029,150	1,872,701,843
Dearness Allowance	1,230,308,789	1,123,418,781
Other Allowances	158,739,259	164,825,257
Bonus / Ex-Gratia	14,526,407	19,886,997
Re-imbursement of Medical Expenses	30,184,834	21,920,897
Leave Travel Assistance	-	100,321
Earned Leave Encashment	144,687,704	181,373,348
Compensation	2,121,480	2,461,656
Uniform Expenses	6,093,491	5,952,941
Recreation Expenses	96,275	-
Staff Welfare Expenses	69,140	48,431
Pension & Gratuity	538,492,179	512,640,977
Other Terminal Benefits	2,621,452	3,828,938
Employers Contribution to Provident Fund	59,031,840	36,573,073
	<b>4,073,991,810</b>	<b>3,925,932,158</b>
Less: Expenses Capitalized	<b>936,713,659</b>	<b>965,742,396</b>
	<b>3,137,278,151</b>	<b>2,960,189,762</b>

**PART - A : NOTE - 16**

**FINANCE COSTS**

**Interest paid to:**

Government of Uttar Pradesh	154,218,357	77,283,769
Power Finance Corporation Limited	359,652,925	202,527,542
NCRPS	-	2,322,484
Rural Electrical Corporation Limited	1,076,268,507	801,952,372
Interest on Working Capital Loan	6,726,903,693	-
Housing & Urban Development Corporation	380,348,852	306,368,348
Interest to Consumers	104,067,080	219,864,923
Bank Charges	880,235	1,300,047
	<b>9,805,139,679</b>	<b>1,611,419,485</b>
Less: Interest Capitalized	<b>644,953,596</b>	<b>32,838,866</b>
	<b>9,160,186,081</b>	<b>1,578,580,619</b>

**PART - A : NOTE - 17**

**DEPRECIATION AND AMORTIZATION EXPENSES**

**Depreciation**

Buildings	6,922,613	4,745,690
Plant & Machinery	1,318,263,333	1,227,426,635
Lines, Cable Network etc.	520,690,827	406,731,457
Vehicles	77,549	-
Furniture & Fixtures	138,949	162,333
Office Equipments	1,367,624	425,504
	<b>1,847,458,795</b>	<b>1,639,461,619</b>

Less - Equivalent amount of depreciation on assets acquired out of the Consumer's contribution & Government of Uttar Pradesh Subsidy

531,950,753

424,529,376

**1,315,508,042**

**1,214,962,243**

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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

(Amount in Rs.)

PARTICULARS	31-03-2013	31-03-2012
<b>PART - A : NOTE - 18</b>		
<b>OTHER EXPENSES</b>		
a) <b>ADMINISTRATIVE EXPENSES</b>		
Rent	7,888,326	7,029,817
Rates and Taxes		1,818,629
Insurance	2,451,356	2,555,370
Communication Charges	16,596,579	14,194,658
Legal Charges	11,404,512	8,098,588
Auditors' Remuneration Expts.		
Audit Fee	1,537,592	1,875,658
Travelling Expenses	478,299	-
Consultancy Charges	15,000	2,200
Travelling and Conveyance	26,287,759	24,879,541
Fees & Subscription	13,716,777	11,008
Printing and Stationery	40,838,406	28,420,904
Advertisement Expenses	19,059,752	6,188,760
Electricity Charges	261,337,730	113,741,826
Miscellaneous Expenses	132,781,157	264,357,909
Compensation (Other than staff)	27,160,323	4,493,289
Expenditure on Trust	7,545,485	8,233,457
Expenses incurred for revenue Realisation	125,925,673	87,724,117
	<u>696,891,729</u>	<u>550,626,302</u>
Loss - Expenses Capitalized	115,986,375	580,905,354
	<u>580,905,354</u>	<u>97,453,914</u>
Provision for Bad & Doubtful debts		573,234,947
		<u>573,234,947</u>
<b>SUB TOTAL</b>	<b>1,234,838,810</b>	<b>1,028,407,335</b>
b) <b>REPAIRS AND MAINTENANCE</b>		
Plant & Machinery	972,728,891	773,942,834
Buildings	398,509,992	86,707,903
Lines/Cables not work etc.	1,282,104,882	1,005,740,966
Civil Work	2,244,298	171,283
Vehicles - Expenditure	48,744,365	56,226,367
Lease - Transfer to different Capital & O&M Work	48,744,365	56,226,367
Furniture & Fixtures	251,845	21,900
Office Equipments	9,077,201	335,231
<b>SUB TOTAL</b>	<b>2,664,916,909</b>	<b>1,866,926,117</b>
<b>TOTAL</b>	<b>1,899,755,719</b>	<b>2,893,327,452</b>

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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	31-03-2013	31-03-2012
PART - A - NOTE - 19		
<u>PRIOR PERIOD ITEMS</u>		
<u>Prior Period Income</u>		
Interest Income for Prior Periods	21,328,919	
Excess Provision for Depreciation	270,843,065	
Excess Provision for Interest	249,503,375	
	<u>541,475,349</u>	
<u>Prior Period Expenditure</u>		
Employee Cost - Arrear of Pay & Allowances	4,885,391	22,514,120
Depreciation Underprovided in Previous Years	78,311	
Interest and Other Finance Charges	12,750,864	11,892,418
Administration Expenses Previous Year	11,990,000	
	<u>29,804,366</u>	<u>34,206,538</u>
<b>NET BALANCE</b>	<u><b>511,670,983</b></u>	<u><b>(34,206,538)</b></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

PARTICULARS	GROSS BLOCK				DEPRECIATION				NET BLOCK	
	AS AT 01-04-2012	ADDITIONS	DEDUCTIONS	AS AT 31-3-2013	AS AT 01-04-2012	ADDITIONS	DEDUCTIONS	AS AT 31-3-2013	AS AT 31-3-2013	AS AT 31-03-2012
Buildings	424,700,176	76,467,448	-	501,167,624	17,442,616	6,922,612	-	24,365,228	476,802,306	497,257,560
Plant & Machinery	8,987,712,273	5,899,879,637	4,288,943,154	10,598,648,756	(5,491,936,814)	426,916,333	1,436,724,203	(6,501,744,484)	17,100,393,240	14,479,645,887
Lines, Cable Network etc	10,961,912,137	1,810,045,882	64,003,278	12,807,954,541	1,081,717,034	520,690,828	58,506,180	1,543,901,682	11,144,052,858	9,890,195,103
Vehicles	-	816,305	(50)	816,355	-	357,593	-	357,593	458,762	-
Furnitures & Fixtures	2,979,784	(28,145)	865	2,960,784	850,307	(64,787)	-	585,520	2,395,264	2,329,487
Office Equipments	8,436,297	5,645,982	-	13,482,279	1,882,775	1,367,523	-	3,350,298	10,131,981	6,453,522
<b>TOTAL</b>	<b>20,385,740,677</b>	<b>7,792,226,909</b>	<b>4,372,947,247</b>	<b>23,805,020,339</b>	<b>(4,390,143,882)</b>	<b>956,190,102</b>	<b>1,495,230,383</b>	<b>(4,929,184,163)</b>	<b>28,734,204,502</b>	<b>24,775,864,559</b>
Balance as per Transfer Scheme	18,765,200,000	-	-	18,765,200,000	16,691,785,040	891,347,000	-	17,583,132,040	1,182,067,954	2,073,614,954
<b>GRAND TOTAL</b>	<b>39,150,940,677</b>	<b>7,792,226,909</b>	<b>4,372,947,247</b>	<b>42,570,220,339</b>	<b>12,301,641,164</b>	<b>1,847,537,102</b>	<b>1,495,230,383</b>	<b>12,653,947,883</b>	<b>29,916,272,456</b>	<b>26,849,299,513</b>
Balance as per Previous year	34,699,664,345	8,594,074,100	4,142,797,768	39,150,940,677	12,047,507,597	1,639,491,619	1,385,358,052	12,301,641,164	26,849,299,613	22,652,156,746






**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

		(Amount in Rs.)	
PARTICULARS	31-03-2013	31-03-2012	
Capital Work in Progress (See Note 1)	3,441,315,098	2,501,080,178	
Revenue Expenses Pending for Capitalisation (See Note 2)			
Upto previous year	32,838,866	483,477,973	
Additions during the year	644,953,598	-	
Less - Transfer to Fixed Asset	<u>32,838,866</u>	<u>644,953,598</u>	<u>450,639,107</u>
<b>SUB TOTAL (A)</b>	<b>4,086,268,696</b>	<b>2,533,919,044</b>	
Advances to Suppliers / Contractors	8,951,749,940	8,745,441,318	
<b>SUB TOTAL (B)</b>	<b>8,951,749,940</b>	<b>8,745,441,318</b>	
<b>TOTAL (A)+(B)</b>	<b>13,038,018,636</b>	<b>11,279,360,362</b>	

Notes:

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

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**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.

#### 7. WHEELING CHARGES

The wheeling charges are accounted for on the basis of bills raised by the U. P. Power Transmission Corporation Limited.

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**8. EMPLOYEES BENEFITS**

- (a) The Nigam's 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.


**9. 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.

**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 SHAILESH SHARMA  
(Membership No. 402413)  
Partner

Place: Varanasi  
Date: 23/01/2014

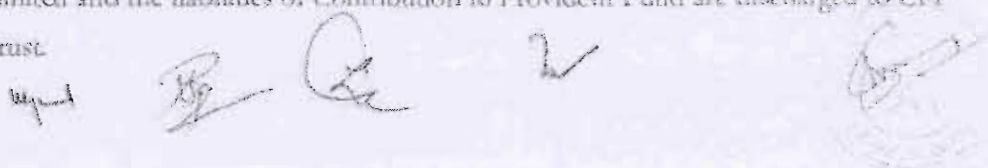


**PURVANCHAL VIDYUT VITRAN NIGAM LIMITED**  
(A wholly owned subsidiary of U. P. Power Corporation Limited)  
**VIDYUT NAGAR, D. L. W., VARANASI**

**PART - C : NOTES ON ACCOUNTS**

*Annexed to and forming part of balance sheet as at 31-03-2013 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 2012-13 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 2012-13 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 energy is being purchased as bulk supply from the holding company i.e. U.P. Power Corporation Limited.
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. No depreciation could be provided on additions and deduction during the year for want of requisite details at unit level.
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 2012-13 amounting to Rs 98876.00 lacs out of which Rs. 43674.99 lacs from REC and Rs. 9478.01 lacs from HUDCO and Rs. 45723.00 lacs from PFC have been accounted for in the books of the Nigam accordingly.
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.
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.

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15. Related party disclosures as per AS - 18 are as under:

Sl. No.	Name of the key managerial Personal	Period
1.	Shri A.K. Awasthi, IAS Chairman	01-04-2012 to 29-07-2012
2.	Shri A.k. Gupta, IAS Chairman	30-07-2012 to 15-01-2013
3.	Shri Sanjeev Mittal, IAS, Chairman	16-01-2013 to 31-03-2013
4.	Shri Vijay Vishwas Pant, MD	01-04-2012 to 28-05-2012
5.	Shri A.P. Mishra, MD	29-05-2012 to 08-02-2013
6.	Shri Alok Kumar-III, IAS, MD	09-02-2013 to 31-03-2013
7.	Shri Sudhanshu Dwivedi, Director (F)	10-10-2012 to 31-03-2013
8.	Shri M.L. Sharma, Director (F)	10-10-2012 to 31-03-2013
9.	Shri S.K. Agrawal, Director (Part Time)	01-04-2012 to 31-03-2013

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

	2012-13 (Rs. in lacs)	2011-12 (Rs. in lacs)
Salary and Allowance	27.02	16.16
Contribution to P.F./Grant/Pension	4.86	2.61

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.

16. Debts due from Directors were Rs. Nil
17. Payments to Directors and Officers in foreign currency towards foreign tours were Nil

Signature of Directors and Officers: 

18. Information pursuant to provision of Para 11 of Schedule VI of Companies Act, 1956 are as under:

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

SL. NO.	DESCRIPTION	2012-2013 MILLION UNITS	2011-2012 MILLION UNITS
1.	Total number of units purchased	16033.710	15703.727
2.	Total number of units sold	11919.917	11589.734
3.	Distribution Losses	25.66 %	26.20 %

(b) Contingent 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. 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.



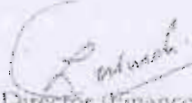
24. Accounting for unbilled revenue has been done uniformly by distribution units on the basis of electricity sold during the month of March, 2013.
25. The Nigam has no exposure to real estate sector as on 31-03-2013.

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. 005216C)  
Chartered Accountants

  
CA SHAILESH SHARMA  
(Membership No. 402413)  
Partner

Place: Varanasi  
Date: 23/04/2014

## NET EFFECT OF INTER COMPANY TRANSACTIONS 2012-13

NAME OF CO.	Receivable	Payable	Net Receivable	Net Payable
1 U.P. POWER CORPORATION	21,255,079,836.68	30,320,111,719.40		9,065,031,882.82
2 MADHYANCHAL V.V.N.L.	130,304,423.68	1,249,371,208.90		1,119,066,785.22
3 DAKSHMANCHAL V.V.N.L.	95,374,802.00	356,823,462.00		261,448,660.00
4 PASHIMANCHAL V.V.N.L.	73,157,500.00	29,532,500.00	43,625,000.00	
5 KESCO	31,525,498.00	11,418,540.00	20,106,958.00	
6 U.P.P.T.C.L.		4,129,889.00		4,129,889.00
<b>TOTAL</b>	<b>21,585,442,060.26</b>	<b>31,967,257,430.30</b>	<b>63,731,958.00</b>	<b>10,445,547,328.04</b>









SCHEDULE -2 TO NOTE 01

Details of Contingent Liabilities as on 31-03-2013		
SL. NO.	NAME OF ZONE	AMOUNT
1	Allahabad Zone	147,321,659
2	Azamgarh Zone	13,600,000
3	Gorakhpur Zone	14,640,000
4	Varanasi Zone	-
	Total	175,561,659

47-1 





PURVANCHAL VIDYUT VITRAN NIGAM LIMITED			
VIDYUT NAGAR, BHIKHARIPUR, D. L. W., VARANASI			
CASH FLOW STATEMENT			
Rs. in crore			
	YEAR 2012 - 2013	YEAR 2011 - 12	
<b>A</b>	<b>CASH FLOW FROM OPERATING ACTIVITIES</b>		
1	NET LOSS BEFORE PRIOR PERIOD EXPENSES	(2584.01)	(2240.91)
2	ADJUSTMENT FOR		
(a)	Depreciation	184.70	143.95
(b)	Interest & Financial Charges	670.04	139.09
(c)	Deferred Cost		0.00
(d)	Prior Period Adjustment (Net)	54.17	(3.42)
	<b>SUB TOTAL</b>	<b>1105.96</b>	<b>299.58</b>
	<b>OPERATING PROFIT BEFORE WORKING CAPITAL CHANGES</b>	<b>(1478.05)</b>	<b>(1941.03)</b>
	<b>WORKING CAPITAL CHANGES</b>		
(a)	Sundry Debtors	11394.93	(1156.86)
(b)	Stores Spares	63.82	11.22
(c)	Other Current Assets	4.41	7089.42
(d)	Current Liabilities	1344.98	(6099.14)
(e)	Trade Payables	-3719.50	2979.80
	<b>SUB TOTAL</b>	<b>(3701.34)</b>	<b>2108.30</b>
	<b>NET CASH FROM OPERATING ACTIVITIES - A</b>	<b>(5179.39)</b>	<b>388.27</b>
<b>B</b>	<b>CASH FLOW FROM INVESTING ACTIVITIES</b>		
(a)	Additions to fixed assets and Work in Progress	(667.31)	(566.98)
	<b>NET CASH FLOW FROM INVESTING ACTIVITIES - B</b>	<b>(667.31)</b>	<b>(566.98)</b>
<b>C</b>	<b>CASH FLOW FROM FINANCING ACTIVITIES</b>		
(a)	Share Application Money received	236.28	327.58
(b)	Long Term Borrowings received/ (repayment)	6448.47	51.20
(c)	Increase in consumers cont. & GoUp capital subsidy	61.88	31.99
(d)	Long Term Borrowing repayment-Interest	(870.04)	(199.05)
	<b>NET CASH FLOW FROM FINANCING ACTIVITIES - C</b>	<b>5876.36</b>	<b>281.70</b>
	<b>Net increase in cash &amp; cash equivalents (A+B+C)</b>	<b>29.66</b>	<b>73.99</b>
	<b>Cash &amp; cash equivalents at the beginning of the year (Op. Balance)</b>	<b>519.00</b>	<b>545.67</b>
	<b>Cash &amp; cash equivalents at the end of the year</b>	<b>649.32</b>	<b>619.66</b>

**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 SHAILESH SHARMA  
(Membership No. 402413)  
Partner

Place: Varanasi

Date: 23/11/14



## Annexure to the Auditors' Report

Referred to in Paragraph 1 under the heading of "Review on other Legal and Regulatory Requirements" of our report of even date

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

**The Company has not maintained proper records showing full particulars, quantitative details and situation of the fixed assets.**

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

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

- c) If a substantial part of fixed assets have been disposed of during the year, whether it has affected the going concern;

**The Company, during the year has disposed off Fixed Assets amounting to ₹ 437.29 Crores (Gross Block as per Fixed Assets Schedule - Annexure 1 of Note 7). In the absence of proper record, it is not possible for us to identify the assets disposed off during the year and verify the amount of ₹ 437.29 Crores deducted from the gross block and the corresponding amount of depreciation reversed from the accumulated depreciation. Thus, it is not possible for us to determine its impact on the going concern of the Nigam.**

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

**The physical verification has been conducted by the Company once after the end of the financial year at Stores Division only. As commented by the zonal auditors, physical verification of stores has not been conducted at various units/ divisions.**

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

**As per the comments of the zonal auditors and our observations in stores audited by us, adequate record of inventory with proper classification and identification is not being maintained. As such, we are unable to comment on the reasonableness and adequacy of procedure of physical verification of inventories followed by the Company.**

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

**As informed to us, no material discrepancies have been noticed on physical verification of stores during the reporting period. The discrepancies noticed were properly dealt with in the books.**

- (iii) a) Has the company granted any loans, secured or unsecured to companies, firms or other parties covered in the register maintained under section 301 of the Act. If so, give the number of parties and amount involved in the transactions; and



### Annexure to the Auditors' Report

Referred to in Paragraph 1 under the heading of "Report on other Legal and Regulatory Requirements" of our report of even date

- b) whether the rate of interest and other terms and conditions of loans given by the company, secured or unsecured, are prima facie prejudicial to the interest of the company; and
- c) whether receipt of the principal amount and interest are also regular; and
- d) if overdue amount is more than rupees one lakh, whether reasonable steps have been taken by the company for recovery/payment of the principal and interest.

As explained to us, the register u/s. 301 of the Companies Act, 1956 is maintained at PuVVNL. However, no register were produced before us for verification, hence, in absence of proper information, we are not able to comment on clauses (iii) (a) to (d) of Paragraph 4 of the Order regarding secured or unsecured loan granted by the Company to parties covered in the register maintained u/s. 301 of the Act.

- e) has the company taken any loans, secured or unsecured from companies, firms or other parties covered in the register maintained under section 301 of the Act. If so, give the number of parties and amount involved in the transactions; and
- f) whether the rate of interest and other terms and conditions of loans taken by the company, secured or unsecured, are prima facie prejudicial to the interest of the company; and
- g) whether payment of the principal amount and interest are also regular;

As explained to us, the Loans are taken through UPPCL under the transfer scheme. The repayment of principal as well as interest is accounted for on the basis of advice received from UPPCL. Thus, in absence of register u/s. 301 of the Companies Act, 1956 and proper information regarding the rate of interest and other terms and conditions of the loan, we are unable to comment upon clauses (iii) (e) to (g) of Paragraph 4 of the Order regarding secured or unsecured loan taken by the Company from parties covered in the register maintained u/s. 301 of the Act.

- (iv) is there an adequate internal control system commensurate with the size of the company and the nature of its business, for the purchase of inventory and fixed assets and for the sale of goods and services. Whether there is a continuing failure to correct major weaknesses in internal control system;

The internal control with regard to purchase of inventory and fixed assets and for sale of goods and Services does not commensurate with the size of the Company and the nature of its business. There are lapses in the system which has been elaborated in our Audit Report.

- (v) (a) whether particulars of contracts or arrangements referred to in section 301 of the Act have been entered in the register required to be maintained under that section; and
- (b) whether transactions made in pursuance of such contracts or arrangements have been made at prices which are reasonable having regard to the prevailing market prices at the relevant time;

Since the register u/s. 301 of the Companies Act, 1956 has not been produced before us for verification, in absence of proper information; we are not able to comment on clause (v) (a) and (b) of Paragraph 4 of the Order regarding particulars of contracts or arrangements referred to in section 301 of the Act.





## Annexure to the Auditors' Report

Referred to in Paragraph 1 under the heading of "Report on other Legal and Regulatory Requirements" of our report of even date

- (vi) In case the company has accepted deposits from the public, whether the directives issued by the Reserve Bank of India and the provisions of sections 58A, 58AA or any relevant provisions of the Act and the rules framed thereunder, where applicable, have been complied with. If not, the nature of contraventions should be stated; If an order has been passed by Company Law Board or National Company Law Tribunal or Reserve Bank of India or any Court or any other Tribunal, whether the same has been complied with or not?

As per information and explanations given to us, the Company has not accepted any deposit from the public. Therefore, clause (vi) of Paragraph 4 of the Order regarding the directives issued by the Reserve Bank of India and provisions of section 58A and 58AA and Rules framed thereunder are not applicable.

- (vii) In the case of listed companies and/or other companies having a paid-up capital and reserves exceeding Rs. 50 lakhs as at the commencement of the financial year concerned, or having an average annual turnover exceeding five crores rupees for a period of three consecutive financial years immediately preceding the financial year concerned, whether the company has an internal audit system commensurate with its size and nature of its business;

As informed to us, the Internal Audit is being conducted by the empanelled firms of Chartered Accountants but the Internal Audit for the reported period has not been completed. The present Internal Audit system needs to be strengthened and needs improvement in the frequency of audit and its timely completion to bring about the desired improvement.

- (viii) Where maintenance of cost records has been prescribed by the Central Government under clause (d) of sub-section (1) of section 209 of the Act, whether such accounts and records have been made and maintained;

The maintenance of cost record has been prescribed by the Central Government under clause (d) of subsection (1) of section 209 of the Companies Act, 1956. As per information provided to us records have been maintained at HO level only but no records for the period covered under audit were produced before us, hence we are unable to comment upon the same. As reported by the zonal auditors, no cost record has been maintained at zonal level.

- (ix) a) Is the company regular in depositing undisputed statutory dues including Provident Fund, Investor Education and Protection Fund, Employees' State Insurance, Income-tax, Sales-tax, Wealth Tax, Service Tax, Custom Duty, Excise Duty, cess and any other statutory dues with the appropriate authorities and if not, the extent of the arrears of outstanding statutory dues as at the last day of the financial year concerned for a period of more than six months from the date they became payable, shall be indicated by the auditor.

According to information given to us and reported by the zonal auditors, the Company is regular in depositing statutory dues except for late deposit of TDS under Income Tax Act. No undisputed statutory dues are outstanding as at 31.03.2013 for the period exceeding six months from the date they became payable. Further, we are not able to comment upon the payment of electricity duty, which is paid by the UPPCL.



## Annexure to the Auditors' Report

Referred to in Paragraph 1 under the heading of "Report on other Legal and Regulatory Requirements" of our report of even date

- b) in case dues of income tax/sales tax/wealth tax/service tax/ customs duty/ excise duty/cess have not been deposited on account of any dispute, then the amounts involved and the forum where dispute is pending shall be mentioned.

No information has been provided by the Company regarding disputed liability pending, if any. Hence, we are not able to comment upon clauses (ix) (b) of Paragraph 4 of the Order.

- (x) whether in case of a company which has been registered for a period not less than five years, its accumulated losses at the end of the financial year are not less than fifty per cent of its net worth and whether it has incurred cash losses in such financial year and in the immediately preceding financial year;

The accumulated losses of the company exceed fifty percent of its net worth at the end of the financial year. It has incurred cash losses in the financial year and in the immediately preceding financial year.

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

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

- (xii) Whether adequate documents and records are maintained in cases where the company has granted loans and advances on the basis of security by way of pledge of shares, debentures and other securities; If not, the deficiencies to be pointed out.

The Company has not granted any loans and advances on the basis of security by way of pledge of shares, debentures and other securities. Accordingly, the provisions of clause (xii) of the Order are not applicable to the company.

- (xiii) Whether the provisions of any special statute applicable to chit fund have been duly complied with? In respect of nidhi/mutual benefit fund/societies;

The company is not a chit fund or a nidhi/ mutual benefit fund/ societies accordingly, the provisions of clause (xiii) (a) to (d) of the Order, are not applicable to the company.

- (xiv) if the company is dealing or trading in shares, securities, debentures and other investments, whether proper records have been maintained of the transactions and contracts and whether timely entries have been made therein; also whether the shares, securities, debentures and other investments have been held by the company, in its own name except to the extent of the exemption, if any, granted under section 49 of the Act;

The Company is not dealing or trading in shares, securities, debentures and other investments. Accordingly the provisions clause (xiv) of the Order, are not applicable to the company.

- (xv) Whether the company has given any guarantee for loans taken by others from bank or financial institutions, the terms and conditions whereof are prejudicial to the interest of the company;

The Company has not given any guarantee for loans taken by others from banks or financial institutions during the year, hence the provisions clause (xv) of the Order, are not applicable to the company.



## Annexure to the Auditors' Report

Referred to in Paragraph 1 under the heading of "Report on other Legal and Regulatory Requirements" of our report of even date.

(xvi) Whether term loans were applied for the purpose for which the loans were obtained?

As per information provided to us, the loan has been applied for the purpose for which it was obtained.

(xvii) Whether the funds raised on short-term basis have been used for long-term investment; If yes, the nature and amount is to be indicated;

As per information provided to us, funds borrowed on short term basis has not been utilized for long term investment.

(xviii) Whether the company has made any preferential allotment of shares to parties and companies covered in the Register maintained under section 301 of the Act and if so whether the price at which shares has been issued is prejudicial to the interest of the company;

Since the register u/s. 301 of the Companies Act, 1956 has not been produced before us for verification, in absence of proper information, we are not able to comment on clause (xviii) of Paragraph 4 of the Order regarding preferential allotment of shares to parties and companies covered in the Register maintained under Section 301 of the Act.

(xix) Whether security or charges has been created in respect of debentures issued;

The company has not raised any money by way of debentures, hence clause (xix) of the Order is not applicable to the Company.

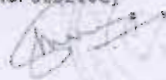
(xx) whether the management has disclosed on the end use of money raised by public issues and the same has been verified;

The company has not raised any money by way of public issues during the year, hence clause (xi) of the Order is not applicable to the Company.

(xxi) whether any fraud on or by the company has been noticed or reported during the year; If yes, the nature and the amount involved is to be indicated.

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

For ARSA N & CO.  
Chartered Accountants  
(Registration No. 005216C)



SHAILESH SHARMA  
PARTNER  
M. No. 402413

Varanasi - 23<sup>rd</sup> January, 2014



कार्यालय महालेखाकार  
(वित्तिक एवं राजस्व लेखापरीक्षा), उ०प्र०  
छठा तल, केन्द्रीय भवन, सेक्टर 'एच', अलीगंज  
लखनऊ-226 024



Office of the Accountant General  
(Economic and Revenue Sector Audit), U.P.  
6th Floor, Kendriya Bhawan, Sector 'H'  
Aliganj, Lucknow-226 024

4980  
30/5/2014

स्पीड पोस्ट/गोपनीय  
पत्रांक : म.ले.(इ. एण्ड आर.एस.ए)/इ.एस-11/लेखा/पू०बी०वी०एन०एल०/2012-13/58  
दिनांक: 22-05-2014

सेवा में,

प्रबन्ध निदेशक  
पूर्वांचल विद्युत वितरण निगम लिमिटेड,  
वाराणसी।

महोदय,

एतत्सह कम्पनी अधिनियम, 1956 की धारा 619(4) के अधीन पूर्वांचल विद्युत वितरण निगम लिमिटेड, वाराणसी के 31 मार्च 2013 को समाप्त होने वाले वर्ष के लेखों पर भारत के नियंत्रक-महालेखापरीक्षक की टीका-टिप्पणियाँ कम्पनी अधिनियम, 1956 की धारा 619(5) के नियन्त्रकों के अनुसरण में कम्पनी की वार्षिक सामान्य बैठक के समक्ष प्रस्तुत करने हेतु अग्रहित की जा रही है। कृपया वार्षिक सामान्य बैठक के समक्ष इन टीका-टिप्पणियों के प्रस्तुत किये जाने की वास्तविक तिथि की सूचना दें।

Director(Fin)

22-5-2014

The report has been prepared on the basis of information furnished and made available by the auditee. The Office of the Accountant General (Economic & Revenue Sector Audit), Uttar Pradesh disclaims any responsibility for any misinformation and/or non-information on the part of auditee.

AO(Audit)

कृपया पत्र की पाकती भेजें।

सहप्रभ-यथोपरि

सबदीय

के० पी० यादव  
(के० पी० यादव)  
महालेखाकार

Director (Finance)  
P.U.V.V.N.L. (VNS.)



**COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA UNDER SECTION 619 (4) OF THE COMPANIES ACT, 1956 ON THE ACCOUNTS OF PURVANCHAL VIDYUT VITRAN NIGAM LIMITED FOR THE YEAR ENDED 31 MARCH 2013.**

The preparation of the Financial Statement of the Purvanchal Vidyut Vitran Nigam Limited for the year ended 31 March 2013 in accordance with the financial reporting framework prescribed under the Companies Act, 1956 is the responsibility of the management of the Company. The Statutory Auditors appointed by the Comptroller and Auditor General of India under section 619(2) of the Companies Act, 1956 are responsible for expressing opinion on these Financial Statements under section 227 of the Companies Act, 1956 based on independent audit in accordance with the Auditing and Assurance Standards prescribed by their professional body, the Institute of Chartered Accountants of India. This is stated to have been done by them vide their audit Report dated 23 January 2014.

I, on behalf of Comptroller and Auditor General of India have conducted a supplementary audit under section 619(3) (b) of the Companies Act, 1956 of the Financial Statements of Purvanchal Vidyut Vitran Nigam Limited for the year ended 31 March 2013. This supplementary audit has been carried out independently without access to the working papers of the statutory auditors and is limited primarily to inquiries of the Statutory Auditors and company personnel and a selective examination of some of the accounting records. Based on my supplementary audit, I would like to highlight the following significant matters under section 619(4) of the Companies Act, 1956 which have come to my notice and which in my view are necessary for enabling a better understanding of the Financial Statement and the related Audit Report:

**Balance-Sheet**

**Equity and Liability**

**Current Liabilities**

**Other Current Liabilities (Note -6) ₹ 3833.59 crore**

1. The above does not include liability for interest on unpaid balances of GPF/CPF which were due for remittances to trust as on 1.04.2012. It was seen that the unpaid balances had increased from ₹ 458.61 crore (as on 31.03.2012) to ₹ 494.65 crore (as on 31.03.2013). This indicated that PF dues/balances were being short remitted to the



trust resulting in accumulation of unpaid balances every year. The interest liability on these unpaid balances has not been provided for in the accounts. This works out to ₹ 40.64 crore for the year 2012-13 (calculated at the rate of 8.5 per cent per annum) and ₹ 102.07 crore for the year 2009-10 to 2011-12. The above has resulted in understatement of current liabilities as well as losses by ₹ 147.71 crore (including ₹ 40.64 crore for the year)

Despite the comment of the C&AG on the accounts of the Company for the year 2011-12, no corrective action was taken by the Management.

#### Assets

#### Non-Current Assets

#### Fixed Assets

Capital work in progress (Note-7) ₹ 1303.80 crore

2(i) The above includes works of Sub-station and associated lines and other works under Maha Kumbh Mela (MKM) amounting to ₹ 43.94 crore (EUCD, Allahabad - ₹ 32.20 crore and EUCD-II Allahabad - ₹ 11.74 crore). Though these works were completed and put to use during the period January to March 2013, the company has not capitalised these works. This has resulted in overstatement of Capital Work in Progress and understatement of Fixed Assets by ₹ 43.94 crore each. Further there is understatement of Depreciation/Loss for the year (amount indeterminate).

2(ii) The above includes the expenditure of ₹ 374.92 crore incurred on construction of sub-stations, augmentation of sub-stations and associated lines on nine projects under Rajeev Gandhi Gramin Vidyutikaran Yojna (RGGVY) which were completed and commissioned during 2007-08 to 2009-10. As the projects were completed and commissioned during 2007-08 to 2009-10, the same should have been capitalised and depreciation provided thereon. Due to non capitalisation of work, the Capital works in progress are overstated by ₹ 374.92 crore and depreciation as well as loss were understated by ₹ 76.50 crore (including ₹ 17.81 crore for the year). Beside, the Fixed Assets were also understated by ₹ 298.42 crore.

Despite the Comment of the Comptroller & Auditor General of India on the Accounts of the Company for the year 2009-10 to 2011-12, no corrective action was taken by the Management.



2(iii) The above includes interest of ₹ 12.05 crore @ 12.50 per cent on outstanding loan of R-APDRP Part-A ₹ 54.92 crore (32.69 crore for one year and ₹ 22.23 crore for six months) and R-APDRP Part-B ₹ 52.63 crore for one year.

The applicable rate of interest on these outstanding loans was @ 11.50 per cent on the basis of which the interest amount works out to ₹ 11.09 crore. Thus incorrect application of interest rate resulted in overstatement of Capital Works in Progress and Current Liabilities each by ₹ 0.96 crore.

**Depreciation & Amortization Expenses (Note 17) ₹ 131.55 crore**

3. Reference is invited to Para 4(b) of Part B "Significant Policy" stating that depreciation on additions to/deductions from fixed assets during the year is charged on Pro-rata basis. Further, Note No. 7 of Part C "Notes on Accounts" provides that no depreciation could be provided on additions and deduction during the year for want of requisite details at unit level.

The depreciation has been provided by the Company on the opening balance of fixed assets which is in contradiction of the provisions of the Schedule XIV of the Companies Act, 1956 as well as accounting policy Para 4 (b). Considering that the assets have been in use for 6 months during the year, 50 per cent of the depreciation amount should have been charged in the Profit and Loss Account.

Non-charging of depreciation has resulted in understatement of Depreciation and Amortisation Expenses as well as Losses for the year to tune of ₹ 18.41 crore each.

Despite the comments of the Comptroller and Auditor General of India on the accounts for the year 2008-09 to 2011-12, no corrective action was taken by the Company.

#### 4. General

##### (i) Part - C 'Notes on Accounts'

Note No. 18 (b) of Part - C 'Notes on Accounts' reads as under:

"Contingent liabilities as reported by Statutory Auditors in their Audit Report are given in Supplement Schedule No.2."

As Notes on Accounts form integral part of the Annual account of the Company for a particular financial year and there are prepared by the Management of the Company -



before the annual accounts and submitted to Statutory Auditors for audit. Therefore Note No. 18 (b) of Part- C 'Notes on Accounts' is not correct.

**(ii) Inter Company Reconciliation**

Due to non-reconciliation of the inter-company balances of Current Liabilities versus Current Assets, a difference of ₹ 118.86 crore was not taken into account by the company.

For and on behalf of the  
Comptroller and Auditor General of India


KP [Signature]  
Accountant General

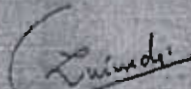
Place: Lucknow

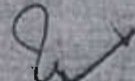
Date: 20.5.14



	shall be watched in next Accounts Audit (2013-14).	
4.	As per Revised Schedule VI of The Companies Act 1956 "Current Maturity of long Term Borrowings" should be shown under "Other Current liabilities" but in the annual accounts of the Company for the year 2012-13 "Current Maturity of Long Term Borrowings" have been shown under "Current Liabilities (Note-4) instead of Under "Other Current Liabilities" (Note-5). The corrective action taken by the Management shall be watched in next Accounts Audit (2013-14).	4. Compliance shall be made and corrective action will be taken in the next account i.e. 2013-14.

  
 (R.S. Prasad)  
 Dy. G.M. (Finance)

  
 (Sudhanshu Dwivedi)  
 Director (Finance)

  
 (A.P. Mishra)  
 Managing Director



**MANAGEMENTS REPLY TO THE COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA  
UNDER SECTION 619 (4) OF THE COMPANIES ACT, 1956 ON THE ACCOUNTS OF PURVANCHAL VIDYUT  
VITRAN NIGAM LIMITED, VARANASI FOR THE YEAR ENDED 31 MARCH 2013.**

Sl No.	Draft Comments	Management's Reply
	<p><b>COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA UNDER SECTION 619 (4) OF THE COMPANIES ACT, 1956 ON THE ACCOUNTS OF PURVANCHAL VIDYUT VITRAN NIGAM LIMITED FOR THE YEAR ENDED 31 MARCH 2013.</b></p> <p>The preparation of the Financial Statement of the Purvanchal Vidyut Vitran Nigam Limited for the year ended 31 March 2013 in accordance with the financial reporting framework prescribed under the Companies Act, 1956 is the responsibility of the management of the Company. The Statutory Auditors appointed by the Comptroller and Auditor General of India under section 619(2) of the Companies Act, 1956 are responsible for expressing opinion on these Financial Statements under section 227 of the Companies Act, 1956 based on independent audit in accordance with the Auditing and Assurance Standards prescribed by their professional body, the Institute of Chartered Accountants of India. This is stated to have been done by them vide their audit Report dated 23 January 2014.</p> <p>I, on behalf of Comptroller and Auditor General of India have conducted a supplementary audit under section 619(3) (b) of the Companies Act, 1956 of the Financial Statements of Purvanchal Vidyut Vitran Nigam Limited for the year ended 31 March 2013. This supplementary audit has been carried out independently without access to the working</p>	<p align="center">No Comment.</p>



papers of the statutory auditors and is limited primarily to inquiries of the statutory Auditors and company personnel and a selective examination of some of the accounting records. Based on my supplementary audit, I would like to highlight the following significant matters under section 619(4) of the Companies Act, 1956 which have come to my notice and which in my view are necessary for enabling a better understanding of the Financial Statements and the related Audit Report :

**Balance-Sheet**

**Equity and Liability**

**Current Liabilities**

**Other Current Liabilities (Note-6) Rs. 3833.59 crore**

1. The above does not include liability for interest on unpaid balances of GPF/CPF which were due for remittances to trust as on 01.04.2012. It was seen that the unpaid balances had increased from Rs. 458.61 crore (as on 31.03.2012) to Rs.494.65 crore (as on 31.03.2013). This indicated that PF dues/balances were being short remitted to the trust resulting in accumulation of unpaid balances every year. The interest liability on these unpaid balances has not been provided for in the accounts. This works out to Rs.40.64 crore for the year 2012-13 (calculated at the rate of 8.5% per annum) and Rs.107.07 crore for the year 2009-10 to 2011-12. The above has resulted in understatement of current liabilities as well as losses by Rs.147.71 crore (including Rs. 40.64 crore for the year).

Despite the comment of the C&AG on the accounts of the Company for the year 2011-12, no corrective action was taken by the Management.

1. Balance of GPF/CPF arise as per actual booking and unpaid balance of GPF/CPF is the result of financial arrangement made and established by UPPCL, acting as fund manager of Revenue & Establishment funds. Company is not having any key roll in appropriations and remittances of funds of GPF/CPF due to the Trust. As and when Company receives funds from UPPCL, the liability of this accounts is discharged accordingly by way of remittance of funds to the Trust.

GPF/CPF is credited to the accounts of employees on the basis of actual deductions made and schedules of these deductions prepared by the drawing & disbursing officers. Likewise debit transactions also take effect. To overcome the issue of increasing unpaid balances of GPF/CPF, the units have been instructed to raise correct demands as per actual booking in the books of accounts for subscriptions made, payments and adjustments in GPF/CPF.

Due to Non-finalisation of opening balance reconciliation under transfer scheme 2003, the reconciliation of liability of unpaid balances is in progress. That's why Accountal of interest and its provision could not be done.



<p>Assets Non-Current Assets Fixed Assets Capital work in progress (Note-7) Rs. 1303.80 crore</p> <p>2(i) The above includes works of Sub-station and associated lines and other works under Maha Kumbh Mela (MKM) amounting to Rs. 43.94 crore (EUCD, Allahabad-Rs. 32.20 crore and EUCD-II Allahabad-Rs. 11.74 crore). Though these works were completed and put to use during the period January to March 2013, the company has not capitalised these works. This has resulted in overstatement of Capital Work in Progress and understatement of Fixed Assets by Rs. 43.94 crore each. Further there is understatement of Depreciation/Loss for the year (amount indeterminate).</p> <p>2(ii) The above includes the expenditure of Rs. 374.92 crore incurred on construction of sub-stations and associated lines on nine projects under Rajeev Gandhi Gramin Vidyutikaran Yojna (RGGVY) which were completed and commissioned during 2007-08 to 2009-10. As the projects were completed and commissioned during 2007-08 to 2009-10, the same should have been capitalised and depreciation provided thereon. Due to non capitalisation of work, the Capital works in progress are overstated by Rs. 374.92 crore and depreciation as well as loss were understated by</p>	<p>since inception of the Company. To settle Audit observation and to make accounts with known and accrued liability as indicated by audit provision of interest against unpaid liability has been made in the books of Company during the Financial Year 2013-14.</p> <p>Since Annual Accounts were prepared parallelly for the year 2011-12 and 2012-13, hence indicated corrective action could not be initiated and made in these accounts.</p> <p>2(i) Though the work of Maha Kumbh Mela (MKM) completed during the Financial Year 2012-13, but due to non-availability of work completion certificate the said work could not be capitalized during the year. After obtaining work completion certificate capitalisation of these works has been done in the books of accounts of the units concerned during Financial Year 2013-14.</p> <p>2(ii) Capitalisation of expenditure could not be done during Financial Year 2012-13 because documentation by implementing units/offices were not done like issue of debit advices of materials and erection works. The expenditure of RGGVY will be capitalized after getting work completion report in the ensuing account. Efforts are being made and field units have been instructed to capitalize the assets under RGGVY in the accounts of 2013-14.</p> <p>Since Annual Accounts were prepared parallelly for the Year 2009-10 to 2012-13, hence desired corrective action could not be initiated and made</p>
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Rs. 76.50 crore (including Rs. 17.81 crore for the year). Beside, the Fixed Assets were also understated by Rs. 298.42 crore.

Despite the comment of the Comptroller & Auditor General of India on the Accounts of the Company for the year 2009-10 to 2011-12, no corrective action was taken by the Management.

2(III) The above includes interest of Rs. 12.05 crore @ 12.50% on outstanding loan of R-APDRP Part-A Rs. 54.92 crore (32.69 crore for one year and Rs. 22.23 crore for six Months) and R-APDRP Part-B Rs. 52.63 crore for one year.

The applicable rate of interest on these outstanding loans was @ 11.50 % on the basis of which the interest amount works out to Rs. 11.09 crore. Thus incorrect application of interest rate resulted in overstatement of Capital works in Progress and Current Liabilities each by Rs. 0.96 crore.

Depreciation & Amortization Expenses (Note-17) Rs. 131.55 Crore

3. Reference is invited to Para 4(b) of Part B "Significant Policy" stating that depreciation on additions to/deductions from fixed assets during the year is charged on Pro-rata basis. Further, Note No.-7 of Part-C "Notes on Accounts" provides that no depreciation could be provided on additions and deduction during the year for want of requisite details at unit level.

The depreciation has been provided by the Company on the opening balance of fixed assets which is in contradiction of the provisions of the Schedule XIV of the Companies Act, 1956 as well as accounting policy Para 4(b). Considering that the assets have been in use for 6 months during the year, 50 % of the depreciation amount should have been charged

full in these accounts.

2(III) The rate of interest taken as 12.50 % in place of 11.50 % by error shall be rectified in the books of accounts during the Financial Year 2013-14.

3. Para 4(b) of Part B "Significant Accounting Policy" and Note No. 7 of Part C "Notes on Accounts" is the full disclosures of Actual Policy of the Company and actual practice made/exercised by the Company in all circumstances prevailed which amounts to valid reasons as to why Depreciation policy is according to schedule XIV of Companies Act 1956. Notes on accounts also exhibit the actual working in the Company.

The Non-provision of depreciation on additions during the year has already been disclosed in "Notes on Accounts" No.7. Due to unavailability of correct and exact information of the concerned Assets in the divisions, depreciation could not be provided accordingly. However, suggestion for provision of depreciation on additions during the year shall be made in the next year.



	<p>in the Profit and Loss Account.</p> <p>Non-charging of depreciation has resulted in understatement of Depreciation and Amortisation Expenses as well as Losses for the year to tune of Rs. 18.41 crore each.</p> <p>Despite the comments of the Comptroller and Auditor General of India on the accounts for the year 2008-09 to 2011-12, no corrective action was taken by the Company.</p>	<p>be followed in the next account.</p>
4.	General	
(i)	<p>Part-C 'Notes on Accounts'</p> <p>Note No.-18 (b) of Part- C 'Notes on Accounts' reads as under:</p> <p>"Contingent liabilities as reported by Statutory Auditors in their Audit Report are given in Supplement Schedule No.2".</p> <p>As Notes on Accounts form integral part of the Annual account of the Company for a particular financial year and these are prepared by the Management of the Company before the annual accounts and submitted to Statutory Auditors for audit. Therefore Note No.-18 (b) of Part -C 'Notes on Accounts' is not correct.</p>	<p>4(i) The nomenclature of this effect shall be corrected and taken into account in the preparation of next accounts.</p>
(ii)	<p>Inter Company Reconciliation</p> <p>Due to non-reconciliation of the inter-company balances of Current Liabilities versus Current Assets, a difference of Rs.118.86 crore was not taken into account by the company.</p>	<p>(ii) The work of reconciliation of Inter corporation transaction is under process and will be finalised and reflected also in the ensuing accounts.</p>



# **ADDITIONAL OBSERVATIONS DRAWING ATTENTION OF THE MANAGEMENT**

Sl.No.	Draft Comments	Management's Reply
	<p><b>Annexure to the Management letter no.: म.ले. (इ. एण्ड आर एस. ए)/इ.एस-11/लेखा/एनपीवीएनएल/2012-13/59 दिनांक 22.05.2014 drawing attention of the management to the observations on accounts for the year ending 31 March 2013 for taking action.</b></p> <p><b>Costs (Note-15) Rs. 816.02 crore</b>  <b>"Statement of Profit and Loss"</b>  <b>Finance Interest to consumers Rs. 10.41 crore</b></p>	
1.	<p>The above represent interest on security deposits from consumers @ 8.97 % instead of @ 9.50% as per UPERC order dated 24.10.2013. This has resulted into understatement of provision of interest and loss for the year each by Rs. 0.61 crore. The corrective action taken by the Management shall be watched in next Accounts Audit (2013-14).</p>	1. Noted. Corrective action has been taken in the books of accounts during the Financial Year 2013-14.
2.	<p><b>Equity and Liability</b>  <b>Current Liabilities</b>  <b>Other Current Liabilities (Note-6)- Rs. 3833.59 crore.</b></p> <p>The above does not include the provision for payment of interest amounting to Rs. 10.41 lakh @ 1.25 per cent per month for the period September 2012 to March 2013 on the unpaid amount of License fees of 1.19 crore for the year 2007-08 payable to Uttar Pradesh Electricity Regulatory Commission. This resulted in understatement of other current liabilities and loss for the year by 10.41 lakh each. The corrective action taken by the Management shall be watched in next Accounts Audit (2013-14).</p>	2. In the Compliance payment of License fee for the Financial Year 2007-08 has been made to UPERC in the Month of June 2014.
3.	<p>Revised Schedule VI to the Companies Act, 1956 was made with effective from 01.04.2011. Para 6T of the General Instructions for preparation of Balance sheet indicated two classifications of the contingent liabilities along with three sub-classification in each but the Company did not classified the contingent liabilities as required in the Revised Schedule. The corrective action taken by the Management</p>	3. Compliance shall be made in the account of 2013-14.

## **Annexure-3**

### **Provisional Balance Sheet for FY 2013-14**



**PURVANCHAL VIDYUT VITRAN NIGAM LTD.**  
**VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI**  
**PROVISIONAL BALANCE SHEET AS AT 31ST MARCH 2014**

(Amount in Rs.)

PARTICULARS	NOTES	CURRENT YEAR	PREVIOUS YEAR
<b>(I) EQUITY AND LIABILITIES</b>			
1 <b>Shareholders' Funds</b>	"A"		
a) Share Capital		30,861,216,000	22,042,266,000
b) Reserve & Surplus		(120,351,217,076)	(98,662,059,173)
c) Money received against share warrants			
2 <b>Share application money pending allotments</b>	"B"	10,565,497,810	8,818,950,875
3 <b>Non Current Liabilities</b>	"C"		
(a) Long-term borrowings		122,614,723,793	74,930,414,830
(b) Deferred tax liabilities (Net)			
(c) Other Long term liabilities			
(d) Long-term provisions			
4 <b>Current Liabilities</b>	"D"		
(a) Short-term borrowings		1,080,493,236	2,007,346,979
(b) Trade payables		40,502,880,745	74,366,367,457
(c) Other current liabilities		55,002,646,442	38,335,869,481
(d) Short-term provisions			
<b>TOTAL</b>		<b>140,276,240,950</b>	<b>121,839,156,449</b>
<b>(II) ASSETS</b>			
1. <b>Non-current assets</b>	"E"		
(a) <b>Fixed assets</b>			
i) Tangible assets		43,258,418,088	29,916,272,456
ii) Intangible assets		32,961,000	
iii) Capital work-in-progress		6,499,555,193	13,038,018,636
iv) Intangible assets under development			
(b) Non-current investments			
(c) Deferred tax assets (net)			
(d) Long-term loans and advances			
(e) Other non-current assets			
2. <b>Current assets</b>	"F"		
(a) Current investments			
(b) Inventories		426,288,207	149,369,556
(c) Trade receivables		74,028,166,430	71,237,013,603
(d) Cash and cash equivalents		9,409,696,412	6,493,232,098
(e) Short-term loans and advances			
(f) Other current assets		6,621,175,620	1,005,250,100
Inter unit Transferred			
<b>Total</b>		<b>140,276,240,950</b>	<b>121,839,156,449</b>

NOTES ON ACCOUNT :

"Q & Q1"

(0)

0  
0

**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)



Place: Varanasi  
Date: 12.09.2014

FOR: PURVANCHAL VIDYUT VITRAN NIGAM LTD.

D.G.M.  
V/c & Finance

Director

Managing Director

(Finance)  
Sudhanshu Dwivedi  
Director (Finance)

Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL Ltd.)  
Varanasi



**PURVANCHAL VIDYUT VITRAN NIGAM LTD.**  
**VIDYUT NAGAR, BHIKHARIPUR, D.L.W. VARANASI**  
**PROVISIONAL TRADING AND PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2014**

		(Amount in Rs.)	
PARTICULARS	NOTES	CURRENT YEAR	PREVIOUS YEAR
I Revenue from operations	"G"	51,341,231,248	41,908,364,722
Less: Electricity Duty		2,746,823,118	1,524,578,526
		48,594,408,130	40,383,786,196
Add: Energy Internally Consumed		211,899,963	261,337,730
		48,806,308,093	40,645,123,926
II Other income	"H"	19,995,311,400	10,999,068,700
III TOTAL		68,801,619,493	51,344,192,626
IV Expenses:			
Cost of materials consumed	"J"	68,646,721,940	60,671,558,640
Purchases of Stock-in-Trade	"J"		
Changes in inventories of finished goods work-in-progress and Stock-in-Trade	"K"		
Employee benefits expense	"L"	3,336,654,293	3,137,278,151
Finance costs	"M"	12,590,856,518	8,160,185,081
Depreciation and amortization expense	"N"	1,789,113,559	1,315,508,042
Other expenses	"O"	3,834,051,156	3,899,755,719
Total expenses		90,197,397,466	77,184,286,633
Profit before exceptional and extraordinary items and tax (III-IV)		(21,395,777,973)	(25,840,094,007)
VI Exceptional Items			
VII Profit before extraordinary items and tax (V - VI)		(21,395,777,973)	(25,840,094,007)
VIII Extraordinary Items - Prior Period Items	"P"	(1,902,590,903)	511,670,993
IX Profit before tax (VII-VIII)		(23,298,368,876)	(25,328,423,024)
X Tax expense:			
(1) Current tax		-	-
(2) Deferred tax		-	-
Profit (Loss) for the period from continuing operations (IX-X)		(23,298,368,876)	(25,328,423,024)
XII Profit/(loss) from discontinuing operations		-	-
XIII Tax expense of discontinuing operations		-	-
Profit/(loss) from Discontinuing operations (after tax) (XII-XIII)		-	-
XIV Profit (Loss) for the period (XI + XIV)		(23,298,368,876)	(25,328,423,024)
XVI Earnings per equity share:			
(1) Basic		(755)	(1,149)
(2) Diluted		(562)	-821

**NOTES TO THE ACCOUNTS**

"Q & Q-1"

**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.

(Signature)  
D.G.M  
A/c & Finance

(Signature)  
Director  
(Finance)

(Signature)  
Managing Director

(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL. Lko.)  
Varanasi

Place: Varanasi  
Date: 12.09.2014



**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	2014	2013	
<b>NOTE -A :</b>			
<b>SHAREHOLDER'S FUNDS</b>			
<u>Share Capital</u>			
<u>Authorised Share Capital</u>			
50000000 Equity Shares Of Rs. 1000 Each	50,000,000,000	5,000,000,000	
<b>a) Issued, Subscribed and Fully Paid Up</b>			
(i) 1151500 Equity Shares of Rs. 1000/- each fully paid-up allotted for consideration other than cash pursuant to discoms transfer Scheme 2003	1,151,500,000	1,151,500,000	
(ii) 20890266 Equity share of Rs. 1000/- each fully paid up allotment to UPPCL	20,890,266,000	3,455,532,000	
(iii) 500 Share of Rs. 1000 each allotment to promoters	500,000	500,000	
(iv) 8818950 Equity share of Rs. 1000/- each fully paid up allotment to UPPCL (d/y)	8,818,950,000	17,434,734,000	
	<u>30,861,216,000</u>	<u>22,042,266,000</u>	

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	22,042,266	22,042,266,000	4,607,532	4,607,532,000
Issued during the period	8,818,950	8,818,950,000	17,434,734	17,434,734,000
Total at the end of the period	<u>30,861,216</u>	<u>30,861,216,000</u>	<u>22,042,266</u>	<u>22,042,266,000</u>

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	30,860,716	30,860,716,000	22,041,766	22,041,766,000
30860716 Equity Shares (Previ. year 22041766 equity shares) of Rs. 1,000 each fully paid up				
<b>Total:</b>	<b>30,860,716</b>	<b>30,860,716,000</b>	<b>22,041,766</b>	<b>22,041,766,000</b>

(Signature) Dwivedi  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL Ltd.)  
Varanasi





## RESERVE & SURPLUS

### Capital Reserve

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

Opening Balance	8,451,397,056	7,650,566,106
Add: Additions during the year	2,208,568,073	1,410,853,017
Less: Deductions/Adjustments	497,995,355	610,022,067
Closing Balance	10,161,969,774	8,451,397,056

#### ii) Subsidies Towards Cost of Capital Assets

Opening Balance	1,422,413,356	1,606,757,096
Add: Additions during the year	-	8,228,000
Less: Deductions/Adjustments	101,361,746	192,571,740
Closing Balance	1,321,051,610	1,422,413,356

Total Capital Reserve (i+ii)	11,483,021,384	9,873,810,412
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### (B) Other Reserve

#### i) Restructuring Reserve

Add: Additions during the year	1,621,783,787	1,621,783,787
Total	1,621,783,787	1,621,783,787

### (C) Profit & Loss Account : Surplus (Defecit)

Opening Balance brought forward	(110,157,653,372)	(84,829,230,348)
Add: Net Profit / (Loss) for the Year	(23,298,368,876)	(25,328,423,024)
Total	(133,456,022,247)	(110,157,653,371.74)

GRAND TOTAL (A+B+C)	(120,351,217,076)	(98,662,059,173)
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### NOTE - "B"

### "B" SHARE APPLICATION MONEY

#### (Pending for Allotment)

Opening Balance	8,818,950,875	23,890,836,089
Add: Additions during the year	10,565,496,935	2,362,848,786
Less: Deductions/Adjustments	8,818,950,000	17,434,734,000
	10,565,497,810	8,818,950,875



(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL Ltd.)  
Varanasi



# **BORROWINGS**

## **a) Long Term (Secured)**

Rural Electrification Corporation Ltd.	8,613,662,957		7,294,435,600	
Add: New Borrowings during the year	6,090,465,290		4,367,499,000	
Add: Interest Accrued & Due	-		-	
Less: Repay during the year	<u>2,618,927,864</u>	12,085,200,383	<u>3,048,271,843</u>	8,613,662,957

(Secured against hypothecation of Store Material and 33/11 Substation)

Less: Current Maturity of Long Term Borrowings (Secured) 232,273,047 1,094,593,934

**TOTAL** 11,852,927,336 7,519,069,023

## **b) Long Term (Unsecured)**

### **i) Government of Uttar Pradesh**

Loan - Opening Balance	554,139,000		554,139,000	
Add: Interest Accrued & Due	-		-	
Less: Repay during the year	<u>516,639,000</u>	37,500,000	<u>-</u>	554,139,000

### **ii) Power Finance Corporation Limited**

Loan - Opening Balance	6,159,085,933		1,746,500,469	
Add: New Borrowings during the year	825,466,437		4,572,300,000	
Add: Interest Accrued & Due	-		-	
Less: Repay during the year	<u>155,509,921</u>	6,829,042,449	<u>159,714,536</u>	6,159,085,933

### **iv) H.U.D.C.O.**

Loan - Opening Balance	3,209,594,652		2,837,633,486	
Add: Borrow during the year	9,086		947,800,914	
Add: Interest Accrued & Due	-		-	
Less: Repay during the year	<u>768,047,896</u>	2,441,555,842	<u>575,839,748</u>	3,209,594,652

### **v) Financial Participation by Consumers**

Loan - Opening Balance	20,320,230		20,320,230	
Add: Borrow during the year	-		-	
Add: Interest Accrued & Due	-		-	
Less: Repay during the year	<u>-</u>	20,320,230	<u>-</u>	20,320,230

### **vi) Working Capital Loan**

#### **a) Commercial Banks**

Loan - Opening Balance	53,843,786,437		53,843,786,437	
Add: New Borrowings during the year	3,956,687,702		-	
Add: Interest Accrued & Due	-		-	
Less: Repay during the year	<u>-</u>	57,800,474,139	<u>-</u>	53,843,786,437

*[Signature]*



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(Sachinshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPCL, Ltd.)  
Varanasi



b) Power Finance Corporation Limited

Loan - Opening Balance	3,933,482,600	3,933,482,600	
Add: New Borrowings during the year	-	-	
Add: Interest Accrued & Due	-	-	
Less: Repay during the year	-	3,933,482,600	3,933,482,600

c) NOIDA

Loan - Opening Balance	402,460,000	402,460,000	
Add: New Borrowings during the year	631,175,000	-	
Add: Interest Accrued & Due	-	-	
Less: Repay during the year	402,460,000	631,175,000	402,460,000

d) Mandi Parishad

Loan - Opening Balance	201,230,000	201,230,000	
Add: New Borrowings during the year	504,940,000	-	
Add: Interest Accrued & Due	-	-	
Less: Repay during the year	706,170,000	-	201,230,000

vii) Public Bonds

Loan - Opening Balance	-	-	
Add: New Borrowings during the year	39,916,466,386	-	
Add: Interest Accrued & Due	-	-	
Less: Repay during the year	-	39,916,466,386	-

TOTAL	111,610,016,646	68,324,098,852
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Less Current Maturity of Long Term Borrowings (Unsecured)	848,220,189	912,753,045
-----------------------------------------------------------	-------------	-------------

TOTAL	110,761,796,457	67,411,345,807
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GRAND TOTAL	122,614,723,793	74,930,414,830
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(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL, Lko.)  
Varanasi



NOTE - "D"

TRADE PAYABLES

1) Liability for Purchase of Power	40,502,880,745	74,366,367,457
	<u>40,502,880,745</u>	<u>74,366,367,457</u>

OTHER CURRENT LIABILITIES

1) Liability for Capital Supplies/Works	10,183,470,664	8,265,305,847
2) Staff Related Liabilities	3,038,192,285	3,109,493,448
3) Deposits & Retentions from Suppliers & Other	732,498,079	485,201,009
4) Electricity Duty & Other Levies Payable to Govt.	2,716,253,061	1,713,007,058
5) Deposits for Electrification Works	478,578,259	762,024,059
6) Sundry Liabilities	3,035,083,537	3,027,049,791
7) Provident Fund Liabilities	3,858,279,651	4,907,677,756
Pension and Gratuity Liabilities	<u>524,388,909</u>	<u>1,590,434,835</u>
8) CPF Liability	51,193,071	38,811,579
9) Security Deposits from Consumers	4,318,481,322	4,086,498,844
Interest on Security Deposits from Consumer	<u>1,621,855,243</u>	<u>1,126,238,464</u>
10) Payable to UPPCL	19,119,954,159	5,212,737,308
11) Payable to Madhyanchal VVNL	1,048,644,795	9,065,031,883
12) Payable to Dakshinanchal VVNL	202,338,044	1,119,066,785
13) Payable to U.P.P.T.C.L.	20,076,212	261,448,660
14) Liabilities for Expenses	260,240,802	4,129,889
15) Interest Accrued but not Due	2,349,736,325	258,333,675
16) Inter Unit Transaction	1,443,382,024	299,507,001
	<u>55,002,646,442</u>	<u>(1,783,391,102)</u>
		<u>38,335,859,481</u>

NOTE - "E"

FIXED ASSETS

1) Tangible Assets (As per Annexure 1 of Note 7)	43,258,418,088	29,916,272,456
2) Intangible Assets (Asset with UPPTCL)	32,961,000	
3) Capital work-in-progress (As per Annexure 2 of Note 7)	6,499,555,193	13,038,018,636
	<u>49,790,934,281</u>	<u>42,954,291,092</u>

(Sudhanshu Dwivedi)  
Director (Finance)  
Purvaanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL, Ltd.)  
Varanasi





NOTE - "F"

INVENTORIES

Store & Spares

1) Stock of Materials	3,834,166		100,540,645	
2) Other Materials	880,134,041		506,528,911	
3) Less: Provision for Unserviceable Stores	<u>457,700,000</u>	426,268,207	<u>457,700,000</u>	149,369,556
		<u>426,268,207</u>		<u>149,369,556</u>

TRADE RECEIVABLES

1) Secured and Considered Good	5,940,336,565		5,212,737,308	
2) Unsecured and Considered Good	68,087,829,865		68,024,276,295	
3) Unsecured and Considered Doubtful	<u>25,396,825,365</u>	99,424,991,795	<u>25,342,762,207</u>	96,579,775,810
4) Less: Provision for Bad & Doubtful Debts		25,396,825,365		25,342,762,207
		<u>74,028,166,430</u>		<u>71,237,013,603</u>

CASH AND CASH EQUIVALENT

Cash and Cash Equivalents

I. a) Cash in Hand	1,000,618,176	1,255,650,204
b) Balances in Current and other Accounts	8,406,758,145	4,437,475,389
c) Fixed Deposits with Scheduled Banks (Original Maturity upto three months)	2,320,091	800,106,505
II Other Balances		
Fixed Deposits with Scheduled Banks (Original Maturity more than three months)		
	<u>9,409,696,412</u>	<u>6,493,232,098</u>

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(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitaran Nigam Limited  
(A Subsidiary of UPPCL, Lucknow)  
Varanasi





NOTE - "F"

INVENTORIES

Store & Spares

1) Stock of Materials	3,834,166		100,540,645	
2) Other Materials	880,134,041		506,528,911	
3) Less: Provision for Unserviceable Stores	<u>457,700,000</u>	<u>426,268,207</u>	<u>457,700,000</u>	<u>149,369,556</u>
		<u>426,268,207</u>		<u>149,369,556</u>

TRADE RECEIVABLES

1) Secured and Considered Good	5,940,336,565		5,212,737,308	
2) Unsecured and Considered Good	68,087,829,865		66,024,276,295	
3) Unsecured and Considered Doubtful	<u>25,396,825,365</u>	<u>99,424,991,795</u>	<u>25,342,762,207</u>	<u>96,579,775,810</u>
4) Less: Provision for Bad & Doubtful Debts		<u>25,396,825,365</u>		<u>25,342,762,207</u>
		<u>74,028,166,430</u>		<u>71,237,013,603</u>

CASH AND CASH EQUIVALENT

Cash and Cash Equivalents

I. a) Cash in Hand	1,000,618,176	1,255,650,204
b) Balances in Current and other Accounts	8,406,758,145	4,437,475,389
c) Fixed Deposits with Scheduled Banks (Original Maturity upto three months)	2,320,091	800,106,505
II Other Balances		
Fixed Deposits with Scheduled Banks (Original Maturity more than three months)		
	<u>9,409,696,412</u>	<u>6,493,232,098</u>

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(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vilran Nigam Limited  
(A Subsidiary of UPPCL, Ltd.)  
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**OTHER CURRENT ASSETS**

1) Receivable from KESCO	47,880,967	20,106,958
2) Receivable from Pashimanchal VVNL	25,890,971	43,625,000
3) Prepaid Expenses	135,576	717,673
4) Receivable from Employees	424,672,265	397,010,560
5) Receivable from GoUP	5,333,093,427	-
6) Others Receivables	789,502,414	543,789,909
	<u>6,621,175,620</u>	<u>1,005,250,100</u>

**NOTE - "G"****REVENUE FROM OPERATIONS****Sale of Power****Extra State Consumer****Large Supply Consumers**

Industrial	8,804,505,033	7,213,678,317	
Traction	3,166,466,094	2,372,180,000	
Irrigation	2,413,399,047	2,152,402,854	
Public Water Works	<u>2,961,420,502</u>	<u>1,994,630,858</u>	<u>13,732,892,029</u>

**Small & Other Consumers**

Domestic	12,914,409,679	11,436,804,393	
Commercial	8,484,429,629	7,445,011,087	
Industrial Low & Medium Voltage	3,117,285,950	2,774,347,057	
Public Lighting	885,883,021	828,630,364	
STW & Pump Canals	3,990,909,403	3,114,386,474	
PTW & Sewage Pumping	<u>1,198,436,460</u>	<u>30,591,354,142</u>	<u>1,154,949,115</u>

Other Miscellaneous Charges	869,163,275	158,103,407
	<u>48,806,308,093</u>	<u>40,645,123,926</u>

Less: Internally Energy Consumed	211,899,963	261,337,730
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	<u>48,594,408,130</u>	<u>40,383,786,196</u>
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Add: Electricity Duty	2,746,823,118	1,524,578,526
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TOTAL	<u>51,341,231,248</u>	<u>41,908,364,722</u>
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(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam  
(A Subsidiary of UPPCL, Ltd.)  
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NOTE - "H"

OTHER INCOME

Subsidies Received

From Government of Uttar Pradesh

Rural Electrification Subsidy	566,200,000	858,200,000	
Revenue and Tariff Subsidy	16,508,500,000	9,139,000,000	
Subsidies for Interest on Bonds	1,838,532,452	18,913,232,452	9,997,200,000
Others			
Interest on Loans to staff	15,490	42,725	
Interest on Fixed Deposit	194,762,449	194,797,939	132,992,394
Delayed Payment Charges		837,939,203	529,163,886
Income from Contractor & Suppliers		44,248,801	30,477,289
Rental from Staff		84,301	107,447
Miscellaneous Receipts		4,821,264	9,036,435
Excess Found on physical Verification of Stores		187,440	91,249
TOTAL :	19,995,311,400	132,949,669	10,699,068,700

NOTE - "I"

COST OF POWER PURCHASED

1) Purchases from Holding Company - U.P. Power Corporation Ltd.	68,646,721,940	60,671,558,640
Total Power Purchased	68,646,721,940	60,671,558,640

NOTE - "L"

EMPLOYEE'S BENEFITS EXPENSES

Salaries & Allowances	1,971,319,472	1,880,029,160
Dearness Allowance	1,520,352,049	1,236,308,789
Other Allowances	158,706,886	158,739,259
Bonus / Ex-Gratia	28,426,555	14,526,407
Re-imbursement of Medical Expenses	24,291,834	30,184,634
Leave Travel Assistance	-	-
Earned Leave Encashment	246,353,545	144,687,704
Compensation	3,901,600	3,121,480
Uniform Expenses	5,598,366	6,093,491
Recreation Expenses	160,000	96,275
Staff Welfare Expenses	56,531	59,140
Pension & Gratuity	538,916,047	538,492,179
Other Terminal Benefits	4,915,339	2,621,452
Employers Contribution to Provident Fund	77,299,806	59,031,840
	4,580,298,230	4,073,991,810
Less: Expenses Capitalized	1,243,643,937	936,713,659
	3,336,654,293	3,137,278,151



*(Signature)*

(Sudhanchu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL, Ltd.)  
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NOTE - "M"

**FINANCE COSTS**

**Interest paid to:**

Government of Uttar Pradesh	63,707,429		154,218,387	
Interest of Bonds	1,838,532,452			
Power Finance Corporation Limited	1,312,449,013		359,652,925	
Rural Electrical Corporation Limited	1,420,952,093		1,076,268,507	
Interest on Working Capital Loan	7,357,971,773		6,729,903,693	
Housing & Urban Development Corporation	399,227,315	12,392,840,075	380,348,852	8,700,392,364
Interest to Consumers		347,352,402		104,067,080
Bank Charges		637,565		680,235
		<u>12,740,830,042</u>		<u>8,805,139,679</u>
Less : Interest Capitalised		149,973,524		644,953,598
		<u>12,590,856,518</u>		<u>8,160,185,081</u>

NOTE - "N"

**DEPRECIATION AND AMORTIZATION EXPENSES**

**Depreciation**

Buildings	8,169,032		6,922,613	
Plant & Machinery	1,524,567,903		1,318,263,333	
Lines, Cable Network etc	853,283,909		520,690,827	
Vehicles	77,554		77,549	
Furniture & Fixtures	186,785		136,949	
Office Equipments	2,185,477	2,388,470,660	1,367,524	1,847,458,795
Less - Equivalent amount of depreciation on assets acquired out of the Consumer's contribution & Government of Uttar Pradesh Subsidy		599,357,101		531,950,753
		<u>1,789,113,559</u>		<u>1,315,508,042</u>

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*(Sudhanshu Dwivedi)*

(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL, Ltd.)  
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NOTE - "O"

OTHER EXPENSES

a) ADMINISTRATIVE EXPENSES

Rent	10,756,409	7,888,320
Rates and Taxes	771	
Insurance	3,885,159	2,451,356
Communication Charges	18,046,717	16,596,579
Legal Charges	16,699,275	11,404,512
Auditors Remuneration Exps		
Audit Fee	2,001,338	1,637,592
Travelling Expenses		478,299
Consultancy Charges	1,120,564	15,000
Travelling and Conveyance	31,047,070	28,287,759
Fees & Subscription	19,445,390	13,715,777
Printing and Stationery	42,031,395	40,626,405
Advertisement Expenses	17,945,238	19,059,752
Electricity Charges	211,899,963	261,337,730
Miscellaneous Expenses	585,449,012	132,761,157
Compensation (Other than staff)	3,968,008	27,160,323
Expenditure on Trust	7,798,434	7,545,495
Expenses Incurred for revenue Realisation	127,686,643	125,925,673
	<u>1,099,781,386</u>	<u>696,891,729</u>

Less - Expenses Capitalized 275,480,273 824,301,113 115,986,375 580,905,354

Provision for Bad & Doubtful debts 54,063,158 653,933,456  
SUB TOTAL 878,364,271 1,234,838,810

b) REPAIRS AND MAINTENANCE

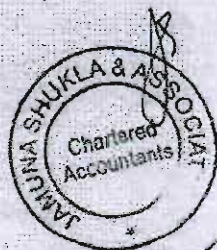
Plant & Machinery	893,941,091	972,728,691
Buildings	229,776,579	398,509,992
Lines Cables net work etc.	1,826,142,664	1,282,104,882
Civil Work	5,141,823	2,244,298
Vehicles - Expenditure	63,196,753	48,744,365
Less - Transfer to different Capital & O&M Work	<u>63,196,753</u>	<u>48,744,365</u>
Furniture & Fixtures		251,845
Office Equipments	684,728	9,077,201
SUB TOTAL	<u>2,955,686,885</u>	<u>2,664,916,909</u>
TOTAL	<u>3,834,051,156</u>	<u>3,899,755,719</u>

NOTE - "P"

PRIOR PERIOD ITEMS

Prior Period Income

Interest Income for Prior Periods		21,328,919
Excess Provision for Depreciation		270,643,055
Excess Provision for Interest		249,503,375
		<u>541,475,349</u>



*(Signature)*  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL. Ltd.)  
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Prior Period Expenditure

Employee Cost - Arrear of Pay & Allowances	11,348,164	4,985,391
Depreciation Underprovided in Previous Years	1,590,735,824	78,311
Interest and Other Finance Charges	299,761,854	12,750,664
Administration Expenses Previous Year	745,061	11,990,000
	<u>1,902,590,903</u>	<u>29,804,366</u>
NET BALANCE	<u>(1,902,590,903)</u>	<u>511,670,983</u>

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*(Signature)*

(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Nigam Limited  
(A Subsidiary of UPCL Ltd.)  
Varanasi

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

**CAPITAL WORKS IN PROGRESS**

PARTICULARS	31-03-2014	(Amount in Rs.) 31-03-2013	
Capital Work in Progress (See Note 1)	1,610,596,597	3,441,315,098	
Revenue Expenses Pending for Capitalisation (See Note 2)			
Upto previous year	644,953,598	32,838,866	
Additions during the year	149,973,524	644,953,598	
Less - Transfer to Fixed Asset		79,49,27,122.00	32,838,866
			644,953,598
<b>SUB TOTAL (A)</b>	<b>2,405,523,719</b>	<b>4,086,268,696</b>	
Advances to Suppliers / Contractors	4,094,031,474	8,951,749,940	
<b>SUB TOTAL (B)</b>	<b>4,094,031,474</b>	<b>8,951,749,940</b>	
<b>TOTAL (A)+(B)</b>	<b>6,499,555,193</b>	<b>13,038,018,636</b>	

**Notes:**

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

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(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL. Lko.)  
Varanasi



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

Annexure

**FIXED ASSETS**

(Amount in Rs)

PARTICULARS	GROSS BLOCK				DEPRECIATION				NET BLOCK	
	AS AT 01-04-2013	ADDITIONS	DEDUCTIONS	AS AT 31-3-2014	AS AT 01-04-2013	ADDITIONS	DEDUCTIONS	AS AT 31-3-2014	AS AT 31-3-2014	AS AT 31-03-2013
Buildings	501,187,624	21,920,655		523,088,279	24,365,228	8,169,032	-	32,534,260	490,554,019	478,802,398
Plant & Machinery	10,598,648,756	13,822,777,966	5,662,737,212	18,558,689,510	(8,501,744,484)	1,235,593,868	-	(5,266,150,616)	23,824,840,126	17,100,393,240
Lines, Cable Network etc	12,687,954,541	7,601,502,906	338,804,928	19,952,652,519	1,543,901,682	1,841,648,768	159,114,824	3,228,433,626	16,726,218,893	11,144,052,859
Vehicles	816,355			816,355	357,593	77,554	-	435,147	381,208	458,762
Furnitures & Fixtures	2,950,784			2,950,784	585,520	186,785	-	772,305	2,178,479	2,365,284
Office Equipments	13,482,279	4,571,888		18,054,167	3,350,288	2,185,477	-	5,535,775	12,518,392	10,131,991
<b>TOTAL</b>	<b>23,805,020,339</b>	<b>21,250,773,415</b>	<b>5,999,542,140</b>	<b>39,056,251,614</b>	<b>(4,929,184,163)</b>	<b>3,087,859,484</b>	<b>159,114,824</b>	<b>(2,000,439,503)</b>	<b>41,056,691,117</b>	<b>28,734,204,502</b>
Balance as per Transfer Scheme	18,765,200,000			18,765,200,000	17,583,132,046	891,347,000	1,911,008,017	18,563,473,029	2,201,726,971	1,182,067,954
<b>GRAND TOTAL</b>	<b>42,570,220,339</b>	<b>21,250,773,415</b>	<b>5,999,542,140</b>	<b>57,821,451,614</b>	<b>12,653,947,883</b>	<b>3,979,206,484</b>	<b>2,070,120,841</b>	<b>14,563,033,526</b>	<b>43,258,418,088</b>	<b>29,916,272,456</b>
Balance as per Previous year	39,150,940,877	7,792,226,909	4,372,947,247	42,570,220,339	12,301,641,164	1,847,537,102	1,485,230,383	12,653,947,883	29,916,272,456	26,849,299,513

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*Sudhanshu Dwivedi*



(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPCL Lko.)  
Varanasi



SCHEDULE -Q-

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

**NOTES "Q" : SIGNIFICANT ACCOUNTING POLICIES.**

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. 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**

- (a) 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.

(Sd/-)   
(Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL. Lko.)  
Varanasi





- (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 apportioned on the average balance of capital work in progress for the year. The determination of amount of borrowing cost attributable of capital works are capitalized as per the computation method 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.

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(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidut Witan Nigam Limited  
(A Subsidiary of UPPCL Ltd.)  
Varanasi





- (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.

#### 7. EMPLOYEES BENEFITS

- (a) The Nigam's 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. 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. 046038



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

D.G.M.  
(A/c & Finance)

Director (Finance)  
  
M.D.  
(Rajendra Shrivastava)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPCL Ltd.)  
Varanasi

Place: Varanasi  
Date : September 12, 2014.



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

**NOTES "Q1" : 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 book 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 energy is being purchased as bulk supply from the holding company i.e. U.P. Power Corporation Limited.
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. No depreciation could be provided on additions and deduction during the year for want of requisite details at unit level.
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 is amounting to Rs.519252.00 lacs. Out of which Rs.60905.00 lacs from REC, Rs. 8255.00 Lacs From Power Finance Corporation, Rs 39567.000 lacs from Commercial

(Signature)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL, Ltd.)  
Varanasi





bank and Rs. 6312.00 Lac from Noida and Rs.5059.00 Lacs from Mandi Parisad and 399164.66 lacs from Public bond have been accounted for in the books of the Nigam accordingly.

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.
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 (I.A.S) Chairman & M.D	01.04.2013 to 17.05.2013
2.	Shri Sanjay Agrawal (I.A.S) Chairman & M.D	17.05.2013 to 31.03.2014
3.	Shri Alok Kumar -III (I.A.S) Managing Director	01.04.2013 to 07.09.2013
4.	Shri S.K.Agrawal, D(F), UPPCL Director ( PartTime)	01.04.2013 to 31.3.2014
5.	Shri Kamran Rizavi, M.D Transco)	11.06.2013 to 31.3.2014
6.	Shri A.P.Mishra, Managing Director	07.09.2013 to 31.3.2014
7.	Shri Sudhanshu Dwivedi, Director (F)	01-04-2013 to 31.3.2014
8.	Shri M.L.Sharma, Director (T)	01-04-2013 to 31.3.2014

(Sudhanshu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL, Lko.)  
Varanasi





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

	2014-13 (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 staff car including private journey without any ceiling of kilometers at a payment of Rs.500 per month.

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:-

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	24.74 %	25.66 %

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".



(R. K. Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Nigam Limited  
(A Subsidiary of UPPCL, Ltd.)  
Varanasi





22. The figures as shown in the Balance Sheet, Statement of Profit & Loss and Notes annexed to these statements 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, 2014.
24. The Nigam has no exposure to real estate sector as on 31-03-2014.

For: JAMUNA SHUKLA & ASSOCIATES  
Chartered Accountants


JAMUNA SHUKLA  
(Partner)  
M.No. 046038



Place: Varanasi  
Date: September 12, 2014

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

  
B.G.M.  
(A/c & Finance)

  
Director M.D.  
(S. Finance) (S. Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPFCL Ltd.)  
Varanasi



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

Rs. in crore

	YEAR 2013-14	YEAR 2012-13
<b>A CASH FLOW FROM OPERATING ACTIVITIES</b>		
1. NET LOSS BEFORE PRIOR PERIOD EXPENSES	(2138.50)	(2584.01)
2. ADJUSTMENT FOR		
(a) Depreciation	238.85	184.75
(b) Interest & Financial Charges	1239.28	870.04
(c) Deferred Cost		
(d) Prior Period Adjustment (Net)	(190.20)	51.17
<b>SUB TOTAL</b>	<b>1287.87</b>	<b>1105.90</b>
<b>OPERATING PROFIT BEFORE WORKING CAPITAL CHANGES</b>	<b>(851.71)</b>	<b>(1478.05)</b>
<b>WORKING CAPITAL CHANGES</b>		
(a) Sundry Debtors	(279.12)	(1394.93)
(b) Stores Spares	(27.89)	83.82
(c) Other Current Assets	(561.59)	4.41
(d) Current Liabilities	1888.88	1344.88
(e) Trade Payables	-3388.35	-3719.50
<b>SUB TOTAL</b>	<b>(2588.07)</b>	<b>(3701.34)</b>
<b>NET CASH FROM OPERATING ACTIVITIES - A</b>	<b>(3439.78)</b>	<b>(5179.39)</b>
<b>B CASH FLOW FROM INVESTING ACTIVITIES</b>		
(a) Additions to fixed assets and Work in Progress	(922.51)	(667.31)
<b>NET CASH FLOW FROM INVESTING ACTIVITIES - B</b>	<b>(922.51)</b>	<b>(667.31)</b>
<b>C CASH FLOW FROM FINANCING ACTIVITIES</b>		
(a) Share Application Money received	1056.55	230.28
(b) Long Term Borrowings received/ (repayment)	4875.74	6448.47
(c) Increase in consumers cont. & GoUp capital subsidy	160.93	61.65
(d) Long Term Borrowing repayment-interest	(1239.28)	(870.04)
<b>NET CASH FLOW FROM FINANCING ACTIVITIES - C</b>	<b>4853.94</b>	<b>5876.36</b>
<b>Net increase in cash &amp; cash equivalents (A+B+C)</b>	<b>291.65</b>	<b>29.66</b>
<b>Cash &amp; cash equivalents at the beginning of the year (Op. Balance)</b>	<b>649.32</b>	<b>619.65</b>
<b>Cash &amp; cash equivalents at the end of the year</b>	<b>940.97</b>	<b>649.32</b>

For : M/s JAMUNA SHUKLA ASSOCIATES  
Chartered Accountants

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



FOR: PURVANCHAL VIDYUT VITRAN NIGAM LTD.

*[Signature]*  
D.G.M.  
A/c & Finance

*[Signature]*  
Director  
(S. Anandhu Dwivedi)  
Director (Finance)  
Purvanchal Vidyut Vitran Nigam Limited  
(A Subsidiary of UPPCL. Lko.)  
Varanasi

Place: Varanasi  
Date: 12.09.2014