

# **MADHYANCHAL VIDYUT VITRAN NIGAM LIMITED**

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



**MADHYANCHAL VIDYUT VITRAN NIGAM LIMITED**

भारतीय गैर न्यायिक

दस  
रुपये

रु.10



TEN  
RUPEES

Rs.10

INDIA NON JUDICIAL

उत्तर प्रदेश UTTAR PRADESH

42AC 909471

BEFORE THE UTTAR PRADESH ELECTRICITY REGULATORY  
COMMISSION, LUCKNOW

Filing No .....

Case No. ....

**IN THE MATTER OF** : Madhyanchal Vidyut Vitran Nigam Ltd., Lucknow –  
Filing of Annual Revenue Requirement petition for FY  
2015-16 & True-up for 2012-13

I, Ayodhya Prasad Mishra S/o Sri Shiv Narayan Mishra, do solemnly affirm and say  
as under:-

1. That I am the **Managing Director** of the above named Company and am duly  
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 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 petition and True-up petition and pass such necessary  
orders as it may deem necessary.
4. That Sri Ram Shabda, EE(Commercial.), MVVNL is being authorized to sign  
the enclosed Annual Revenue Requirement petition and related documents.

Dated : 4/12/ , 2014

(Ayodhya Prasad Mishra)  
DEPONENT





भारतीय स्टेट बैंक  
State Bank Of India

(03347) ASHOK MARG(LUCKNOW)  
15, ASHOK MARG (HAZARATGANJ)  
LUCKNOW  
LUCKNOW, UTTAR PRADESH 226001  
IFS Code: SBIN003347

वैधता 3 महीने के लिए वैध / VALID FOR 3 MONTHS ONLY

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PAY Secretary, UP Electricity Regulatory Commission को या उनके आदेश पर OR ORDER

रुपये RUPEES Twenty one lacs only

अदा करें ₹ 2,10,00,000/-

अ/C नं.  
A/C NO.

10101985738

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH

VOID

CURRENT A/C

Prefix :  
1516000009

EXECUTIVE ENG. TO MD MADHYANCHAL VIDUT VITRAN NIGAM LTD.  
4-A, Gokhale Marg, Lucknow  
Please sign above

Executive Engineer  
To Managing Director

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

⑈ 249714⑈ 226002007⑈ 000384⑈ 29

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सोपानती अडियन्ना (सहस्रियन्ना)

सोपानती अडियन्ना, सहायक निदेशक

सोपानती अडियन्ना, सहायक



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अधिकासी अभियन्ता (वाणिज्य)  
मध्यमसंख्य विभाग, दिल्ली विभाग, दिल्ली



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व्यवसायी अधिवक्ता (व्यक्तिगत)  
महाराष्ट्र विद्युत विभागा विमान, नि०  
4-ए, गोखले मार्ग, लखनऊ

## 1. BACKGROUND AND PROCEDURAL HISTORY

### 1.1 BACKGROUND

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


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

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

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

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

Madhyanchal Vidyut Vitaran Nigam Limited (hereinafter referred as 'LUCKNOW DisCom' or 'MVVNL') 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 districts Badaun, Bareilly, Pilibhit, Shahjahanpur, Lakhimpur, Hardoi, Sitapur, Unnao, Bahraich, Shrawasti, Balrampur, Gonda, Barabanki, Rae Bareli, Faizabad, Sultanpur, Ambedkarnagar, Lucknow and Chhatrapati Sahuji Maharaj Nagar.

  
अधिसूचना अधिसूचना (संश्लेषित)  
संश्लेषित विद्युत वितरण निगम लि.  
4-ए, गांधी मार्ग, लखनऊ



## 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 MVVNL under Sections 62 and 64 of the Electricity Act, 2003 on 29th November, 2013 and 13th May, 2013 respectively (Petition Nos. 920 / 2013 and 886 / 2013).

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

The Commission admitted the above petitions of the licensee vide its Admittance Order dated 3rd June, 2014, directing the Petitioner to publish, within 3 days from the date of issue of that order, the Public Notice detailing the salient information and facts of the True-up Petitions for FY 2008-09 to FY 2011-12, ARR Petition for FY 2014-15 and the Rate Schedule (Tariff Proposed for different categories/ sub-categories of consumers) in at least two daily newspapers (one English and one Hindi) for two successive days for inviting views / objections by all stakeholders and public at large. The Commission had also directed the Petitioner to upload the response to the deficiency notes and all subsequent submissions on their website. Petitioner as per directive of the Commission's order published the salient feature of the above petition in various newspapers on 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 MVVNL on 30th July, 2014 at Lucknow.

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 MVVNL was to the tune of Rs. 6,446.11 crore.

  
अधिकासी अधिवक्ता (गणित्य)  
मध्यमंत विद्युत विद्युत विद्युत विद्युत  
4-ए, गोकुल भवन, लखनऊ

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


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

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

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

#### 1.4 ARR 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.

  
अविभाजी अविभाजी (सिपिज)  
मध्यमचर सिपिज सिपिज सिपिज  
4-ए मोडल नगर, सखारु



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:

- Chapter 1 Background and Procedural History**  
This contains a brief background and rationale used for the submission; major issues that describe the structure of the submission.
- Chapter 2 True up Petition for FY 2012-13**  
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.
- Chapter 3 Progress of the Various Efficiency Improvement Measures taken by the Petitioner**  
This section summarizes the various system improvement measures taken by the Petitioner to improve commercial efficiencies in its area of supply and the progress of such steps over the years
- Chapter 4 Capital Investment Plan**  
This section details the nature of scheme and the expected financial outlay towards the capital investment plan for FY 2015-16. Section also provides the revised estimates in respect of capital investment for FY 2014-15.
- Chapter 5 Compliance of the Hon'ble Commission's Directives**  
This section lists the directives issued by the Hon'ble Commission in the previous tariff order and the status of their compliances.
- Chapter 6 Load Forecast and Revenue Assessment**  
This includes actual sales for FY 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.
- Chapter 7 ARR for Wheeling and Retail Supply Business**  
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



अविभाजी अभियन्ता (याणिज्य)  
सम्पन्नत विद्युत निगम निगम लि०  
४१९ गंगानदी रोड, पटना-८००००१

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

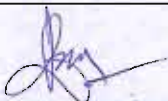
## 2.1 TRUE-UP SUMMARY FOR FY 2012-13

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	4537.76	4745.95	5274.90
Apportionment of O&M Expenses of UPPCL#	0.00	0.00	26.27
Transmission Charges	218.80	228.75	239.07
Employee Expenses	491.94	515.52	515.52
Repair and Maintenance Expenses	129.69	157.09	157.09
A&G Expenses	35.55	177.51	177.51
Gross Interest on Long Term Loans	101.83	162.21	116.00
Interest to Consumer	12.56	9.14	9.14
Finance Charges	9.78	0.11	0.11
Interest on Working Capital	63.25	512.98	57.47
Discount to Consumers	0.00	0.00	0.00
Depreciation	265.38	113.43	237.53
Prior Period Expenses	0.00	-102.55	-102.55
Other Misc Expenses / Incomes	0.00	1.14	1.14
Provision for Bad and Doubtful Debts	0.00	50.65	76.42
<b>Gross Expenditure</b>	<b>5866.54</b>	<b>6571.93</b>	<b>6785.63</b>
Less: Employee Capitalisation	73.79	79.47	79.47
Less: A&G Capitalisation	5.33	13.37	13.37
Less: Interest Capitalisation	9.36	10.10	10.10
<b>Total Capitalisation</b>	<b>88.49</b>	<b>102.95</b>	<b>102.95</b>
<b>Net Expenditure</b>	<b>5778.05</b>	<b>6468.99</b>	<b>6682.68</b>
Add: Return on Equity	0.00	0.00	0.00
Less: Non-tariff Incomes	41.49	17.63	17.63
Add: Efficiency Gains	0.00	0.00	0.00
<b>Annual Revenue Requirement</b>	<b>5736.57</b>	<b>6451.35</b>	<b>6665.05</b>
Revenue from Tariff incl DPS	3998.50	3821.07	3821.07
GoUP Subsidy	937.99	597.28	597.28
<b>Net Revenue Gap</b>	<b>800.08</b>	<b>2033.00</b>	<b>2246.70</b>

  
 अधिशासी अभियन्ता (वाणिज्य)  
 मध्यमचत विद्युत निगम लिमिटेड  
 4-ए, गोखले मार्ग, लखनऊ



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
Power Purchase Cost per unit at Discom end (BST)	Rs/kWh			4.01

  
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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 MVVNL in FY 2012-13**

Particulars	Unit	Approved	Actuals	True-up Petition
Power Purchase	MU	12,574.48	13,146.66	13,146.66
Sales	MU	9,603.75	9,880.78	9,880.78
Distribution Loss Target	%	23.63%	24.84%	23.63%
Allowable Power Purchase	MU			12,937.20
Trued up Bulk Supply Tariff	Rs/kWh			4.01
<b>Allowable Power Purchase Cost</b>				<b>5,274.90</b>

## 2.1.2 TRANSMISSION CHARGES

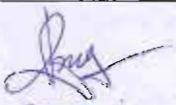
In the Tariff Order for FY 2012-13 for the Petitioner, the Hon'ble Commission has approved the Transmission Charges of Rs. 218.801 crore (@ Rs. 0.174 per kWh) towards a projected power purchase of 12,574.48 MU.

As per the audited accounts, the Petitioner has incurred Rs. 228.75 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. 239.07 crore which have been computed by multiplying the allowable power purchase input of 12,937.20 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	12,574.48	13,146.66	12,937.20
Trued up Transmission Charge	Rs/kWh	0.174	0.174	0.1848
<b>Transmission Charges</b>	<b>Rs Crore</b>	<b>218.80</b>	<b>228.75</b>	<b>239.07</b>

  
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Accordingly, the Petitioner submits that, against the approved intra-state transmission charges of Rs. 218.80 crore, the allowable transmission charges for FY 2012-13 are to the tune of Rs. 239.07 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. 515.52 crore as against Rs. 491.94 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. 79.47 crore as against Rs. 73.79 crore approved in the Tariff Order. Thus, the net employee expenses as per audited accounts are Rs. 436.06 crore as against Rs. 418.15 crore approved in the Tariff Order.

Further, the Petitioner submits that the actual gross A&G expenses were Rs. 177.51 crore as against Rs. 35.55 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. 13.37 crore against Rs. 5.33 crore approved in the Tariff Order. Thus, the net A&G expenses as per audited accounts are Rs. 164.13 crore as against Rs. 30.22 crore approved in the Tariff Order.

The actual repair and maintenance expenses for FY 2012-13 were Rs. 157.09 crore as against Rs. 129.69 crore approved by the Commission in the Tariff Order.

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

The summary of the O&M expenses approved in the Tariff Order for FY 2012-13 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	491.94	515.52	515.52
Repair & Maintenance Expenses	129.69	157.09	157.09
Administrative and General Expenses	35.55	177.51	177.51
<b>Gross Operation and Maintenance Expenses</b>	<b>657.18</b>	<b>850.12</b>	<b>850.12</b>



Particulars	Tariff Order	Actuals as per audited accounts	True-up Petition
Less: Capitalisation			
Employee Cost Capitalized	73.79	79.47	79.47
A&G Expenses Capitalized	5.33	13.37	13.37
<b>Total Capitalization</b>	<b>79.12</b>	<b>92.84</b>	<b>92.84</b>
<b>Net Operation and Maintenance Expenses</b>	<b>578.06</b>	<b>757.28</b>	<b>757.28</b>

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

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

(All figures in Rs Crore)

Particulars	Derivation	True up Petition
Opening WIP as on 1st April	A	1134.82
Investments	B	279.56
Employee Expenses Capitalisation	C	79.47
A&G Expenses Capitalisation	D	13.37

Particulars	Derivation	True up Petition
Interest Capitalisation on Interest on long term loans	E	10.10
<b>Total Investments</b>	<b>F= A+B+C+D+E</b>	<b>1517.33</b>
Transferred to GFA (Total Capitalisation)	G	316.10
<b>Closing WIP</b>	<b>H= F-G</b>	<b>1201.23</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	688.72
Additions during the year	143.80
Less: Amortisation	59.21
<b>Closing Balance</b>	<b>773.31</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	279.56
Less:		-
Consumer Contribution	B	143.80
Investment funded by debt and equity	C=A-B	135.76
Debt Funded	70%	95.03
Equity Funded	30%	40.73

Thus, from the above tables it is seen, that the Petitioner has made an investment of Rs. 279.56 crore in FY 2012-13. The consumer contributions, capital subsidies and grants received during the corresponding period is Rs. 143.80 crore. Thus, balance Rs. 135.76 crore have been funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 95.03 crore or 70% of the capital investment is approved to be funded through debt and balance 30% equivalent to Rs. 40.73 crore through equity. Allowable depreciation for the year has been considered as normative loan repayment.

The actual weighted average rate of 9.33% has been considered for computing the eligible interest expenses. The opening balance of long term loan has been considered from the loan balance as per audited accounts for FY 2012-13.



Considering the above, the gross interest on long term loan is Rs. 116.00 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	True up Petition
Opening Loan	1,149.19
Loan Additions (70% of Investments)	95.03
Less: Repayments (Depreciation allowable for the year)	237.53
Closing Loan Balance	1,006.69
Weighted Average Rate of Interest	10.76%
<b>Interest on long term loan</b>	<b>116.00</b>
Interest Capitalisation Rate	8.71%
Less: Interest Capitalized	10.10
<b>Net Interest Charged</b>	<b>105.89</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 2012-13 is to the tune of Rs. 9.14 crore as against Rs. 12.56 crore approved in the Tariff Order. It is humbly prayed that the variation may be allowed in the true up.

#### 2.1.4.2 BANK AND FINANCE CHARGES

The Petitioner humbly submits that it has incurred bank and finance charges to the tune of Rs. 0.11 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. 63.25 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. 57.47 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 2012-13

(All figures in Rs Crore)

Particulars	Derivation	True up Petition
<b>O&amp;M Expenses</b>		
Employee Expenses		515.52
R&M Expenses		157.09
A&G Expenses		177.51
<b>Total O&amp;M Expenses</b>	<b>A</b>	<b>850.12</b>
One Month's O&M Expenses	B = 1/12 of A	70.84
Book Value of Stores	C	188.77
One twelfth of the sum of book value of the material in stores	D = 1/12 of C	15.73
Receivable equivalent to 60 days average billing of consumers	E	628.12
Less: Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	F	254.95
<b>Total Working Capital Requirement</b>	<b>G = B + D + E-F</b>	<b>459.75</b>
Interest rate	H	12.50%
<b>Interest on working capital</b>	<b>I = G x H</b>	<b>57.47</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)

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	101.83	162.21	116.00
Less: Interest Capitalisation	9.36	10.10	10.10
<b>Net Interest on Long Term Loans</b>	<b>92.47</b>	<b>152.11</b>	<b>105.89</b>
<b>B: Finance and Other Charges</b>			
Interest on Consumer Security Deposits	12.56	9.14	9.14



Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
Bank Charges	1.46	0.11	0.11
Discount to Consumer	0.00	0.00	0.00
Finance Charges	8.32	0.00	0.00
<b>Total Finance Charges</b>	<b>22.34</b>	<b>9.25</b>	<b>9.25</b>
<b>C: Interest on Working Capital</b>	<b>63.25</b>	<b>512.98</b>	<b>57.47</b>
<b>Total (A+B+C)</b>	<b>178.06</b>	<b>674.34</b>	<b>172.61</b>

### 2.1.5 DEPRECIATION

The actual depreciation expense charged in the audited accounts is Rs. 113.43 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. 283.07 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	Depreciation Rates considered	Allowable Depreciation
				GFA		
Land & Land Rights						
i) Unclassified	0.03	-	-	0.03		-
ii) Freehold Land	-	-	-	-		-
Buildings	25.79	7.97	-	33.76	7.84%	2.33
Other Civil Works	-	-	-	-	7.84%	-
Plants & Machinery	798.65	66.25	326.71	538.18	7.84%	52.40
Lines, Cable Network etc.	1,148.67	240.52	11.98	1,377.21	7.84%	99.01
Vehicles	4.16	0.00	-	4.16	7.84%	0.33
Furniture & Fixtures	4.36	0.51	-	4.87	7.84%	0.36
Office Equipments	39.24	0.85	-	40.09	7.84%	3.11

Particulars	Opening	Additions to	Deductions	Closing	Depreciation	Allowable
Jeep & Motor Car	-	-	-	-		-
<b>Total</b>	<b>2,020.89</b>	<b>316.10</b>	<b>338.69</b>	<b>1,998.30</b>		<b>157.55</b>
Fixed Asset as per Transfer Scheme	1,601.03	-	-	1,601.03	7.84%	125.52
<b>GRAND TOTAL</b>	<b>3,621.92</b>	<b>316.10</b>	<b>338.69</b>	<b>3,599.33</b>	<b>7.84%</b>	<b>283.07</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. 45.54 crore has been reduced from the allowable depreciation for FY 2012-13.

Thus the allowable depreciation for FY 2012-13 is Rs. 237.53 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	312.50	158.97	283.07
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	47.12	45.54	45.54
<b>Net Allowable Depreciation</b>	<b>265.38</b>	<b>113.43</b>	<b>237.53</b>

#### 2.1.6 PRIOR PERIOD EXPENSES AND OTHER 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'*

Also there have been some other miscellaneous expenses which have been identified and incorporated in the financial statements for FY 2012-13, such as Provision for Loss against theft of



Fixed Assets pending investigation, Provision for Bad & Doubtful Dues from staff on accounts or various reasons, etc.

In the audited financial statements of the Petitioner for FY 2012-13, there has been recognition of Rs 1.35 crore of prior period incomes and prior period expenses of Rs -101.20 crore, thereby decreasing the eligible true-up by Rs. -102.55 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>	
Others Income	1.35
<b>Sub-Total A</b>	<b>1.35</b>
<b>Expenditure</b>	
Operating Expenses	-39.20
Employee Cost	32.58
Depreciation	-80.00
Interest and Finance Charges	-29.89
Admn. Expenses	15.31
<b>Sub-Total B</b>	<b>-101.20</b>
<b>Net prior period (Credit)/Charges : B-A</b>	<b>-102.55</b>

In the audited financial statements of the Petitioner for FY 2012-13, there has been recognition of Rs 1.14 crore on account of other miscellaneous expenses. The following table provides the detailed break-up of the prior period items for FY 2012-13 as per audited accounts

**Table 2-15: Other Expenses for FY 2012-13**

(All Figures in Rs Crore)

Particulars	True up Petition
Compensation ( Other than staff )	0.99
Other Losses	0.15
<b>Total</b>	<b>1.14</b>

### 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 2-16: Allowable Provision for Bad and Doubtful Debts**

(All Figures in Rs Crore)

Particulars	Rs Crore
Total Revenue Receivables from Retail Sales	3,821.07
% of Provision for Bad and Doubtful Debts	2%
Provision for Bad and Doubtful Debts	76.42

## 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. 3,998.50 crore for FY 2012-13. The audited accounts have reported the actual revenue from sale of power to be Rs. 3,821.07 crore (including delayed payment surcharge) towards electricity sales of 9,880.78 MU.

### 2.2.2 NON TARIFF INCOMES

The Petitioner submits that against the projected non tariff incomes of Rs. 41.49 crore in the Tariff Order, the actual non tariff incomes have been Rs. 17.63 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. 937.99 crore. However the actual subsidy received from GoUP by the Petitioner is Rs. 597.28 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:

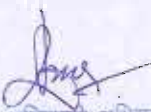


Table 2-17: ARR for FY 2012-13 after Final Truing Up

(All figures in Rs Crore)

Particulars	Approved	Actuals as per audited accounts	True-up Petition
Power Purchase Expenses	4537.76	4745.95	5274.90
Apportionment of O&M Expenses of UPPCL#	0.00	0.00	26.27
Transmission Charges	218.80	228.75	239.07
Employee Expenses	491.94	515.52	515.52
Repair and Maintenance Expenses	129.69	157.09	157.09
A&G Expenses	35.55	177.51	177.51
Gross Interest on Long Term Loans	101.83	162.21	116.00
Interest o Bonds	0.00	0.00	0.00
Interest to Consumer	12.56	9.14	9.14
Finance Charges	9.78	0.11	0.11
Interest on Working Capital	63.25	512.98	57.47
Discount to Consumers	0.00	0.00	0.00
Depreciation	265.38	113.43	237.53
Prior Period Expenses	0.00	-102.55	-102.55
Other Misc Expenses / Incomes	0.00	1.14	1.14
Provision for Bad and Doubtful Debts	0.00	50.65	76.42
<b>Gross Expenditure</b>	<b>5866.54</b>	<b>6571.93</b>	<b>6785.63</b>
Less: Employee Capitalisation	73.79	79.47	79.47
Less: A&G Capitalisation	5.33	13.37	13.37
Less: Interest Capitalisation	9.36	10.10	10.10
<b>Total Capitalisation</b>	<b>88.49</b>	<b>102.95</b>	<b>102.95</b>
<b>Net Expenditure</b>	<b>5778.05</b>	<b>6468.99</b>	<b>6682.68</b>
Add: Return on Equity	0.00	0.00	0.00
Less: Non-tariff Incomes	41.49	17.63	17.63
Add: Efficiency Gains	0.00	0.00	0.00
<b>Annual Revenue Requirement</b>	<b>5736.57</b>	<b>6451.35</b>	<b>6665.05</b>
Revenue from Tariff incl DPS	3998.50	3821.07	3821.07
GoUP Subsidy	937.99	597.28	597.28
Revenue gap from previous years	0.00	0.00	0.00
<b>Net Revenue Gap</b>	<b>800.08</b>	<b>2033.00</b>	<b>2246.70</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. 2,246.70 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.

  
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### 3.3 ADDITION OF NEW TRANSFORMERS

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

### 3.4 OTHER INITIATIVES

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

### 3.5 COMMERCIAL PROCESS IMPROVEMENT

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

- 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 still being addressed. The software also generates MIS reports of the lodged and solved complaints as well as officer-wise defaulter lists, which are monitored at the highest level. This system is also integrated with SMS facilities for consumers/officers at the time of registration as well as redressal.

  
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#### 4. INVESTMENT PLAN DETAILS

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

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

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

##### 4.1 R-APDRP

Ministry of Power, Govt. of India, has launched the Restructured Accelerated Power Development and Reforms Programme (R-APDRP) in the XI Five year Plan. Power Finance Corporation Limited (PFC) has been designated by 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 is 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 Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Replacement of Meters					
Single Phase	38000	5.72	2.45		8.18
Three Phase	1950	0.81	0.35		1.16
LT TVM	200	0.08	0.03		0.12
11 kV TVM	75	0.03	0.01		0.05
33 kV TVM	25	0.01	0.01		0.02
11 kV Metering Cubicle	40	0.12	0.05		0.17
33 kV Metering Cubicle	10	0.04	0.02		0.06
11 kV C.T./ P.T Unit	50	0.09	0.04		0.13
33 kV C.T./ P.T Unit	20	0.03	0.01		0.04
11 kV C.T for 33 kV S/S	250	0.13	0.06		0.18
11 kV P.T for 33 kV S/S	50	0.05	0.02		0.08
Double Metering	180	0.25	0.11		0.36
AERIAL BUNCHED CONDUCTORS	225	4.54	1.94		6.48
Construction of 11 kV Line	180	3.72	1.59		5.31
System Improvement of 11 kV Lines	710	4.65	1.99		6.64
Construction of 11/0.4 kV Substations	425	13.61	5.83		19.45
Capacity Enhancement of 11/0.4 kV Substations	650	9.77	4.19		13.96
Replacement og 11kV Cable	24	2.45	1.05		3.50
Replacement of 11 kV Switchgears	175	3.13	1.34		4.47
Purchase of mobile transformer trolley -6.6./0.4 kV 400 KVA	30	1.29	0.55		1.84
Capacity Enhancement of 33/11 kV Substations	70	22.79	9.77		32.56



Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Construction of 33 kV Line	120	11.28	4.83		16.11
System Improvement of 33 kV Lines	170	6.94	2.98		9.92
Construction of 33/11 kV Substations	7	11.04	4.73		15.77
Replacement of damaged / obsolete 33 kV BCV	11	0.41	0.17		0.58
Replacement of Distribution Transformers	9	0.41	0.17		0.58
Rural Electrification	7	0.05	0.02		0.07
Replacement of old and damaged poles	5400	1.04	0.45		1.49
Earthing works	1575	1.17	0.50		1.67
Replacement of old and damaged conductors	340	0.77	0.33		1.09
Plinth & Fencing Works	260	0.35	0.15		0.49
D.C. Battery / Battery Charger / Relay	85	0.26	0.11		0.37
Replacement of old switchgears	75	0.41	0.17		0.58
Construction / Replacement of LT Line	50	0.71	0.30		1.02
Guarding of Lines	250	0.14	0.06		0.19
Other Misc Works	25	0.05	0.02		0.07
Other Misc Works	2	0.04	0.02		0.06
Construction of 11kV Feeders in Rural Areas	-	67.74	29.03		96.76
RGVY Phase I - Consultancy	-	9.49	4.07		13.56
R-APDRP Part A	-	4.69	2.01		6.70
R-APDRP Part B	-	7.85	3.36		11.21
Tehsil Town (PMC)	-	2.01	0.86		2.87
Capital Works under Vyapar Vikas Nidhi		141.31	60.56		201.87
Energisation of PTW	11750	54.12	23.19		77.32
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme	515	63.61	27.26		90.88
33/11 kV Substations under Tehsil Scheme	66	201.43	86.33		287.76
RGVY Works		9.16	3.92		13.08
R-APDRP Non SCADA Works		93.68	40.15		133.83
R-APDRP SCADA Works		297.24	127.39		424.63
Deposit Works				267.40	267.40
<b>Total</b>		<b>1060.71</b>	<b>454.59</b>	<b>267.40</b>	<b>1782.70</b>

  
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## 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)

Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Replacement of Meters					
Single Phase	152000	22.19	9.51		31.70
Three Phase	7800	3.15	1.35		4.50
LT TVM	800	0.32	0.14		0.45
11 kV TVM	300	0.13	0.06		0.19
33 kV TVM	100	0.05	0.02		0.08
11 kV Metering Cubicle	160	0.47	0.20		0.68
33 kV Metering Cubicle	40	0.16	0.07		0.23
11 kV C.T./ P.T Unit	200	0.34	0.15		0.49
33 kV C.T./ P.T Unit	80	0.11	0.05		0.15
11 kV C.T for 33 kV S/S	1000	0.50	0.21		0.71
11 kV P.T for 33 kV S/S	200	0.21	0.09		0.30
Double Metering	720	0.97	0.42		1.39
AERIAL BUNCHED CONDUCTORS	900	17.60	7.54		25.14
Construction of 11 kV Line	720	14.42	6.18		20.60
System Improvement of 11 kV Lines	2840	18.02	7.72		25.74
Construction of 11/0.4 kV Substations	1700	52.79	22.62		75.41
Capacity Enhancements of 11/0.4 kV Substations	2600	37.90	16.24		54.14
Replacement of 11kV Cable	96	9.51	4.07		13.58
Replacement of 11 kV Switchgears	700	12.13	5.20		17.33
Purchase of mobile transformer trolley -6.6./0.4 kV 400 KVA	120	4.99	2.14		7.13
		0.00	0.00		0.00
Capacity Enhancements of 33/11 kV Substations	280	88.37	37.87		126.24
Construction of 33 kV Line	480	43.73	18.74		62.46
System Improvement of 33 kV Lines	680	26.92	11.54		38.45
Construction of 33/11 kV Substations	28	42.81	18.35		61.15
Replacement of damaged / obsolete 33 kV BCV	44	1.58	0.68		2.25
Replacement of Distribution Transformers	36	1.58	0.68		2.25
Rural Electrification	28	0.18	0.08		0.26



Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Replacement of old and damaged poles	21600	4.04	1.73		5.78
Earthing works	6300	4.54	1.95		6.49
Replacement of old and damaged conductors	1360	2.97	1.27		4.24
Plinth & Fencing Works	1040	1.34	0.57		1.91
D.C. Battery / Battery Charger / Relay	340	1.00	0.43		1.43
Replacement of old switchgears	300	1.58	0.68		2.25
Construction / Replacement of LT Line	200	2.76	1.18		3.94
Guarding of Lines	1000	0.53	0.23		0.75
Other Misc Works	100	0.18	0.08		0.26
Other Misc Works	8	0.16	0.07		0.23
Construction of 11kV Feeders in Rural Areas	-	131.31	56.27		187.58
RGVY Phase I - Consultancy	-	27.59	11.83		39.42
R-APDRP Part A	-	4.54	1.95		6.49
R-APDRP Part B	-	6.64	2.84		9.48
Tehsil Town (PMC)	-	0.62	0.26		0.88
Capital Works under Vyapar Vikas Nidhi	0	196.96	84.41		281.37
Energisation of PTW	23500	104.91	44.96		149.88
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme					0.00
33/11 kV Substations under Tehsil Scheme	20	61.46	26.34		87.79
RGVY Works		8.88	3.80		12.68
R-APDRP Non SCADA Works		77.81	33.35		111.15
R-APDRP SCADA Works		297.24	127.39		424.63
Deposit Works				337.35	337.35
<b>Total</b>		<b>1338.14</b>	<b>573.49</b>	<b>337.35</b>	<b>2248.97</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.	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. Accordingly, the same would be completed in the stipulated timeframe.
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



Ref SI 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 un-reconciled either itself or through independent chartered accountant firms.	The Petitioner submits that the determination of tariff is done by the Hon'ble Commission on normative basis based on the Tariff Regulations. As such the inter-unit reconciliation has no forbearance on the ARR and Tariff determination and assessment of revenue gap.
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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 ई-ए, गोलकुला मार्ग, लखनऊ

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



S. No	Description of Directive	Time Period for compliance	Status of Compliance
			31.12.2015 respectively. 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	Immediate	The Petitioner states that a decision on the Petition filed towards clarification/ modification of the FPPCA

S. No	Description of Directive	Time Period for compliance	Status of Compliance
	with the Distribution Tariff Regulations, 2006 failing which the Commission may have to resort to take strict action against the Licensees.		formula is still pending with the 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	Immediate	The MRI reports are being provided to the consumers. However, the possibilities of sending the same by email are



S. No	Description of Directive	Time Period for compliance	Status of Compliance
	to the Licensee and submit the status report on the same along with next ARR filing		being explored by the 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</p>

S. No	Description of Directive	Time Period for compliance	Status of Compliance
			would be compiled at the zonal 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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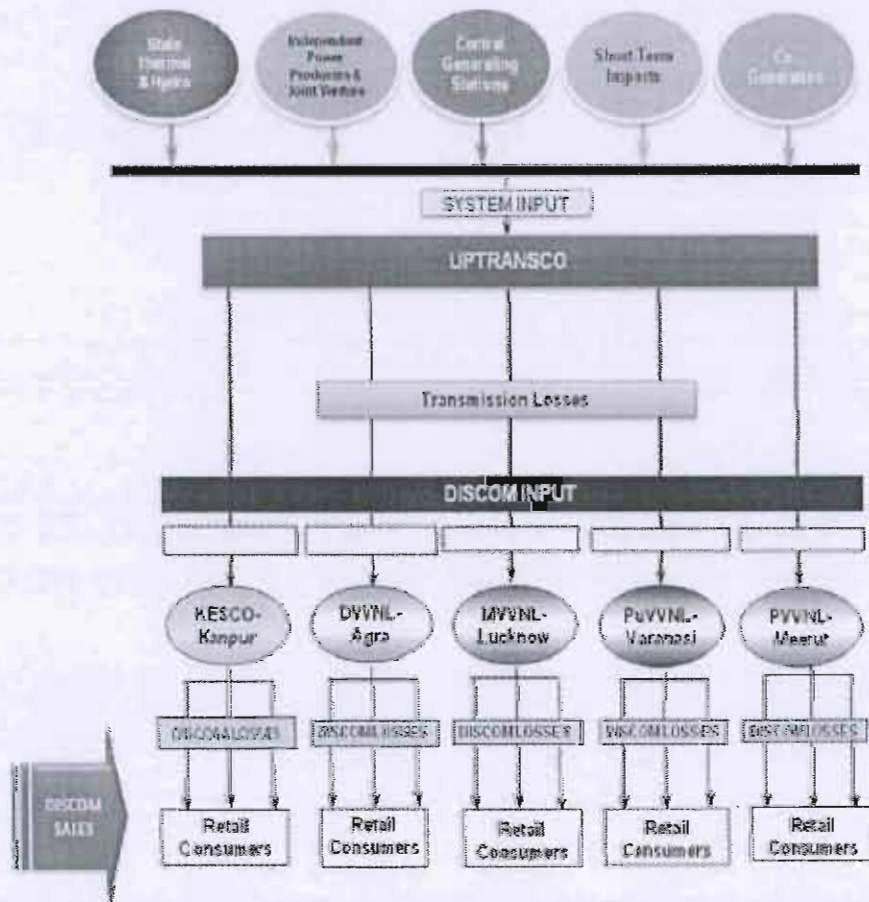



6. LOAD FORECAST AND REVENUE ASSESSMENT

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



  
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## 6.1 DETAILED METHODOLOGY 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**

<b>Projected Approx. Running Hours</b>			
<b>Description</b>	<b>Base Year</b>	<b>2014-15</b>	<b>2015-16</b>
	<b>(2013-14)</b>		
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
<b>Projected Running Hours Factor</b>			
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:
- f) Energy sales per consumer
- g) Connected load per consumer
- h) 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
3	Rural Commercial Consumers	KWh/KW	108
4	Rural State Tube Well	KWh/Consumer or Pump	5343.53



Sr.No	Category of Un-Metered Consumer	Units	Consumption of Energy Per Month
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 2012-13 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 DSM factors.

**6.1.3 CONSUMER SUB-CATEGORY WISE PROJECTIONS**

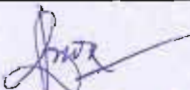
Projections for Nos of Consumer sub-category wise for the two years were provided for each discom.

**6.1.4 CONNECTED LOAD SUB-CATEGORY WISE PROJECTIONS**

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

**6.1.5 SALES SUB-CATEGORY WISE PROJECTIONS**

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

  
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### 6.1.6 PROJECTIONS FOR INPUT ENERGY

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

#### a. % Distribution Losses:

Approximate distribution losses 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:

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

### 6.1.8 SALES FORECASTS FOR 2014-15 & 2014-16

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


  
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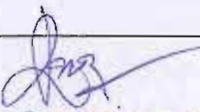
Table 6-5: Energy Balance

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	3%	2%	2%	0%	3%
	(ii) Metered	4%	20%	16%	0%	4%
	(B) Supply at Single Point for Bulk Load	11%	-59%	-60%	0%	4%
	(C1) Other Metered Domestic Consumers	3%	4%	5%	0%	6%
	(C2) Life Line Consumers/BPL	30%	57%	93%	0%	18%
<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>6%</b>	<b>7%</b>	<b>7%</b>	<b>5%</b>	
LMV-2	Rural					
	Urban					
	(A) Consumer getting supply as per "Rural Schedule"					
	(i) Un-metered	-2%	7%	7%	0%	6%
	(ii) Metered	35%	2%	2%	0%	20%
	(B) Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-100%	-100%	0%	0%	0%
	(C) Other Metered Non-Domestic Supply	-2%	3%	3%	0%	2%
	<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>-1%</b>	<b>3%</b>	<b>3%</b>	<b>3%</b>
LMV-3	A	Rural				
		Urban				
	(A) Un-metered Supply					
	(i) Gram Panchyat	55%	85%	39%	0%	1%
	(ii) Nagar Palika & Nagar Panchyat	-81%	-57%	-39%	0%	4%
	(iii) Nagar Nigam	5%	-44%	-10%	0%	5%
	(B) Metered Supply		0%	0%	0%	
	(i) Gram Panchyat	-100%	-100%	-100%	0%	50%
	(ii) Nagar Palika & Nagar Panchyat	9%	1%	10%	0%	9%
	(iii) Nagar Nigam	-5%	4%	39%	0%	17%
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>	<b>-18%</b>	<b>-6%</b>	<b>2%</b>	<b>2%</b>	
LMV-4	A	Rural				
		Urban				
	B	Rural				
		Urban				
	(A) Public Institution(4 A)	8%	22%	15%	0%	8%



SUPPLY TYPE	CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
	(B) Private Institution(4 B)	-13%	-6%	-4%	0%	8%
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>	<b>4%</b>	<b>15%</b>	<b>11%</b>	<b>11%</b>	
<b>LMV-5</b>	Rural					
	Urban					
	(A) Rural Schedule					
	(i) Un metered Supply	4%	3%	3%	0%	4%
	(ii) Metered Supply	88%	-35%	-6%	0%	25%
	(B) Urban Schedule					
	(i) Metered Supply	-3%	-2%	26%	0%	12%
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>4%</b>	<b>2%</b>	<b>3%</b>	<b>3%</b>	
<b>LMV-6</b>	Rural					
	Urban					
	(A) Small & Medium Power (Power Loom)					
	(i) Rural Schedule	149%	35%	16%	0%	12%
	(ii) Urban Schedule	-63%	-29%	-29%	0%	5%
	(B) Small & Medium Power					
	(i) Rural Schedule	-1%	12%	6%	0%	10%
	(ii) Urban Schedule	6%	3%	7%	0%	6%
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>1%</b>	<b>7%</b>	<b>2%</b>	<b>3%</b>	<b>15%</b>
<b>LMV-7</b>	Rural					
	Urban					
	(A) Rural Schedule					
	(i) Jal Nigam	-11%	-2%	-3%	0%	1%
	(ii) Jal Sansthan	30%	24%	36%	0%	8%
	(iii) Others (Water Works)	26%	25%	28%	0%	22%
	(B) Urban Schedule					
	(i) Jal Nigam	32%	12%	9%	0%	26%
	(ii) Jal Sansthan	4%	3%	4%	0%	8%
	(iii) Others (Water Works)	-11%	2%	0%	0%	5%
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>3%</b>	<b>5%</b>	<b>4%</b>	<b>3%</b>	
<b>LMV-8</b>	Rural					
	Urban					
	(A) Metered Supply	-36%	3%	-9%	0%	12%
	(B) Un-metered Supply	0%	0%	0%	0%	0%
	(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	4%	1%	1%	0%	2%
	(ii) Laghu Dal Nahar above 100 BHP	207%	12%	34%	0%	28%
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>0%</b>	<b>1%</b>	<b>0%</b>	<b>0%</b>	

SUPPLY TYPE		CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
LMV--9		Rural					
		Urban					
	(A)	Metered Supply					
		(i) Individual Residential Consumers	-73%	1%	0%	0%	5%
		(ii) Others	0%	-100%	-100%	0%	0%
	(B)	Un-metered Supply					
		(i) Ceremonies	-100%	-100%	0%	0%	1%
		(ii) Temporary Shops	0%	-100%	-100%	0%	1%
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>-73%</b>	<b>-43%</b>	<b>-32%</b>	<b>18%</b>	
LMV--10	(A)	Serving					
		(i) Class IV Employees	-12%	-5%	-7%	0%	5%
		(ii) Class III Employees	2%	-10%	-13%	0%	2%
		(iii) Junior Engineers & Equivalent	-64%	-29%	-6%	0%	4%
		(iv) Assistant Engineers & Equivalent	5%	-39%	1%	0%	4%
		(v) Executive Engineers & Equivalent	-72%	-44%	-47%	0%	2%
		(vi) Deputy General Manager & Equivalent	-13%	-30%	-3%	0%	2%
		(vii) CGM/GM & Equivalent posts and above	0%	-75%	0%	0%	0%
	(B)	Total Pensioner & Family Pensioner	23%	23%	29%	0%	8%
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>4%</b>	<b>5%</b>	<b>3%</b>	<b>0%</b>	<b>2%</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

LUCKNOW DISCOM			Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
HV--1		Rural					
		Urban					
	(A)	Urban Schedule					
		(i) For supply at 11kV	17%	45%	0%	0%	10%
		(ii) For supply above 11kV and upto & Including 66kV	60%	-12%	0%	0%	10%
		(iii) For supply above 66kV and upto & Including 132kV	-100%	-100%	0%	0%	2%
		(iv) For supply above 132kV	0%	-100%	0%	0%	1%
	(B)	Rural Schedule					
		(i) For supply at 11kV	0%	-45%	0%	0%	5%
		(ii) For supply above 11kV and	34%	5%	0%	0%	5%



LUCKNOW DISCOM			Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
		upto & Including 66kV					
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>		<b>18%</b>	<b>31%</b>	<b>0%</b>	<b>0%</b>	
<b>HV-2</b>		Rural					
		Urban					
	(A)	Urban Schedule					
	(i)	For supply at 11kV	3%	8%	9%	0%	3%
	(ii)	For supply above 11kV and upto & Including 66kV	23%	26%	16%	0%	10%
	(iii)	For supply above 66kV and upto & Including 132kV	-11%	10%	27%	0%	2%
	(iv)	For supply above 132kV	129%	37%	0%	0%	0%
	(B)	Rural Schedule					
	(i)	For supply at 11kV	24%	19%	-4%	0%	10%
	(ii)	For supply above 11kV and upto & Including 66kV	0%	-26%	0%	0%	0%
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>		<b>8%</b>	<b>12%</b>	<b>10%</b>	<b>11%</b>	
<b>HV-3</b>		Rural					
		Urban					
	(A)	For supply at the above 132kV	55%	25%	17%	0%	5%
	(B)	For supply below 132kV	0%	0%	0%	0%	0%
	(C)	For Metro Traction	0%	0%	0%	0%	0%
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>		<b>55%</b>	<b>25%</b>	<b>17%</b>	<b>9%</b>	
<b>HV-4</b>		Rural					
		Urban					
	(A)	For supply at 11kV	0%	-12%	-6%	0%	10%
	(B)	For supply above 11kV and upto 66kV	1%	10%	5%	0%	5%
	(C)	For supply above 66kV and upto 132kV	0%	86%	0%	0%	0%
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>		<b>1%</b>	<b>0%</b>	<b>1%</b>	<b>4%</b>	
<b>EXTRA STATE</b>		Rural					
		Urban					
	(A)	EXTRA STATE & OTHERS	0%	0%	0%	0%	0%
<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</b>	<b>BULK SUPPLY</b>						

LUCKNOW DISCOM		Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
TOTAL						
	GRAND TOTAL					

## 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 Year -3	Previous Year -2	Previous Year-1	Current Year	Assumed
LMV-1	Rural					
	Urban					
	(A) Consumer getting supply as per "Rural Schedule"	-	-	-	-	-
	(i) Un-metered	1.396	1.416	1.413	1.448	1.448
	(ii) Metered	0.874	0.863	0.741	0.845	0.874
	(B) Supply at Single Point for Bulk Load	906.769	1,010.636	975.929	1,005.370	975.929
	(C1) Other Metered Domestic Consumers	1.536	1.553	1.592	1.631	1.631
	(C2) Life Line Consumers/BPL	0.743	0.879	0.912	0.940	0.940
<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>1.386</b>	<b>1.383</b>	<b>1.391</b>	<b>1.411</b>	<b>1.411</b>
LMV-2	Rural					
	Urban					
	(A) Consumer getting supply as per "Rural Schedule"	-	-	-	-	-
	(i) Un-metered	1.664	1.661	1.685	1.756	1.756
	(ii) Metered	2.669	2.750	2.853	2.746	2.853
	(B) Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	1.648	1.648	1.648	-	1.648
	(C) Other Metered Non-Domestic Supply	2.505	2.492	2.609	2.667	2.667
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>2.426</b>	<b>2.417</b>	<b>2.536</b>	<b>2.603</b>	<b>2.603</b>
LMV-3	A Rural	-	-	-	-	-
	Urban	-	-	-	-	-
	(A) Un-metered Supply	-	-	-	-	-
	(i) Gram Panchyat	9.333	6.176	6.080	4.206	4.206
	(ii) Nagar Palika & Nagar Panchyat	4.210	4.158	4.226	92.986	4.226
	(iii) Nagar Nigam	15.666	81.325	144.806	119.886	144.806



	(B)	Metered Supply		-	-	-	-	-
		(i)	Gram Panchyat	12.000	604.800	12.000	-	12.000
		(ii)	Nagar Palika & Nagar Panchyat	56.571	95.549	112.012	139.278	112.012
		(iii)	Nagar Nigam	538.462	704.635	729.437	706.912	729.437
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>		<b>12.186</b>	<b>14.286</b>	<b>15.530</b>	<b>21.924</b>	<b>21.924</b>
<b>LMV--4</b>	A	Rural						
		Urban						
	B	Rural						
		Urban						
	(A)	Public Institution(4 A)		9.505	7.017	6.369	6.121	6.369
	(B)	Private Institution(4 B)		8.188	7.837	11.952	12.001	12.001
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>		<b>9.175</b>	<b>7.169</b>	<b>6.985</b>	<b>6.882</b>	<b>9.175</b>
<b>LMV--5</b>		Rural						
		Urban						
	(A)	Rural Schedule						
		(i)	Un metered Supply	4.093	4.147	4.112	4.202	4.202
		(ii)	Metered Supply	3.509	3.129	6.465	5.461	6.465
	(B)	Urban Schedule						
		(i)	Metered Supply	4.237	4.770	4.613	4.854	4.854
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>		<b>4.067</b>	<b>4.176</b>	<b>4.143</b>	<b>4.240</b>	<b>4.240</b>
<b>LMV--6</b>		Rural						
		Urban						
	(A)	Small & Medium Power (Power Loom)						
		(i)	Rural Schedule	8.368	7.152	4.294	4.115	4.294
		(ii)	Urban Schedule	8.822	4.537	4.658	5.034	5.034
	(B)	Small & Medium Power						
		(i)	Rural Schedule	7.748	7.113	8.529	9.269	9.269
		(ii)	Urban Schedule	12.703	13.697	12.658	12.852	13.697
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>10.058</b>	<b>8.573</b>	<b>8.882</b>	<b>8.965</b>	<b>10.058</b>
<b>LMV--7</b>		Rural						
		Urban						
	(A)	Rural Schedule						
		(i)	Jal Nigam	21.885	27.372	37.908	31.708	37.908
		(ii)	Jal Sansthan	18.468	14.553	17.393	81.781	81.781
		(iii)	Others (Water Works)	23.111	40.424	20.601	22.995	40.424
	(B)	Urban Schedule						
		(i)	Jal Nigam	83.358	69.687	52.340	30.868	30.868

		(ii)	Jal Sansthan	51.657	52.791	57.952	58.496	58.496
		(iii)	Others (Water Works)	32.918	50.673	34.719	52.523	52.523
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>			<b>38.614</b>	<b>46.328</b>	<b>43.902</b>	<b>45.942</b>	<b>46.328</b>
<b>LMV--8</b>			Rural					
			Urban					
	(A)		Metered Supply	17.057	13.575	20.921	14.718	20.921
	(B)		Un-metered Supply	-	-	-	-	-
		(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	13.954	15.108	14.691	15.025	15.108
		(ii)	Laghu Dal Nahar above 100 BHP	88.283	345.800	252.571	49.979	252.571
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>			<b>14.509</b>	<b>15.291</b>	<b>15.198</b>	<b>15.366</b>	<b>15.366</b>
<b>LMV--9</b>			Rural					
			Urban					
	(A)		Metered Supply					
		(i)	Individual Residential Consumers	3.102	2.898	3.204	2.136	3.204
		(ii)	Others	-	-	-	-	-
	(B)		Un-metered Supply					
		(i)	Ceremonies	20.169	20.400	-	-	20.400
		(ii)	Temporary Shops	-	-	-	-	-
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>			<b>3.528</b>	<b>3.154</b>	<b>3.204</b>	<b>2.136</b>	<b>3.528</b>
<b>LMV--10</b>	(A)		Serving					
		(i)	Class IV Employees	2.378	2.428	2.718	3.029	3.029
		(ii)	Class III Employees	3.557	3.414	3.862	3.287	3.862
		(iii)	Junior Engineers & Equivalent	4.511	4.405	3.575	4.040	4.511
		(iv)	Assistant Engineers & Equivalent	3.887	4.906	5.107	5.679	5.679
		(v)	Executive Engineers & Equivalent	1.846	1.905	1.911	6.178	6.178
		(vi)	Deputy General Manager & Equivalent	4.375	4.250	4.571	4.833	4.833
		(vii)	CGM/GM & Equivalent posts and above	7.000	7.000	7.000	7.000	7.000
	(B)		Total Pensioner & Family Pensioner	3.130	3.671	3.735	3.353	3.735
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>			<b>3.138</b>	<b>3.481</b>	<b>3.554</b>	<b>3.333</b>	<b>3.333</b>



## d) ENERGY SALES ASSUMPTION

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

Table 6-9: Energy Sales Assumption

SUPPLY TYPE	CATEGORY	Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis					Unmetered As per Norms	Assumed	
		Previous Year-3	Previous Year-2	Previous Year-1	Current Year	Max between last 4 years	Previous Year-3	Previous Year-2	Previous Year-1	Current Year	Max between last 4 years			
LMV--1	Rural													
	Urban													
(A)	Consumer getting supply as per "Rural Schedule"													
		(i) Un-metered	1,048	1,124	1,104	1,247	1,247	750	794	781	861	861	1,296	1,296
	(ii) Metered	540	789	866	745	866	618	915	1,168	1,168	1,168		866	
(B)	Supply at Single Point for Bulk Load	3,981,769	4,454,545	3,655,536	3,043,296	3,043,296	4,391	4,408	3,746	3,027	4,408		3,027	
		(C1) Other Metered Domestic Consumers	1,705	1,968	1,958	2,173	2,173	1,110	1,268	1,230	1,333	1,333		2,173
(C2)	Life Line Consumers/BPL	601	705	805	747	805	809	802	882	882	882		882	
SUB TOTAL (LMV-1)	DOMESTIC LIGHT FAN & POWER	1,340	1,493	1,502	1,580		967	1,080	1,080	1,120				
LMV--2	Rural													
	Urban													
(A)	Consumer getting supply as per "Rural Schedule"													
		(i) Un-metered	1,282	1,308	1,434	1,810	1,810	771	787	851	1,031	1,031	1,296	1,296
	(ii) Metered	3,598	4,011	2,873	2,585	4,011	1,348	1,458	1,007	1,458	1,458		1,458	
(B)	Private Advertising/Sign Post/Sign Board/Glow	1,240	1,003	234	-	1,240	752	609	142	-	752		752	



SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer				Per Capita Consumption on Load Basis				Unmetered As per Norms	Assumed			
		Previous Year-3	Previous Year-2	Previous Year-1	Current Year	Max between last 4 years	Previous Year-3	Previous Year-2	Previous Year-1			Current Year	Max between last 4 years	
	Sign/Flex													
	(C)	3,070	3,235	3,450	3,765	3,765	1,225	1,298	1,322	1,412	1,412			1,412
SUB TOTAL LMV--3	NON DOMESTIC LIGHT FAN & POWER (LMV-2)	2,911	3,062	3,156	3,523		1,200	1,267	1,244	1,353				
	A													
	Rural													
	Urban													
	(A)													
	Un-metered Supply													
	(i)	21,319	17,049	22,240	10,950	10,950	2,284	2,760	3,658	2,604	3,658	3,600	3,600	3,600
	(ii)	13,377	14,229	14,915	424,696	424,696	3,177	3,422	3,530	4,567	4,567	4,320	4,320	4,320
	(iii)	30,582	500,000	242,944	354,614	500,000	1,952	6,148	1,678	2,958	6,148	4,320	4,320	4,320
	(B)													
	Metered Supply													
	(i)	636,500	800,000	1,321,500	-	1,321,500	53,042	1,323	110,125	-	110,125	110,125	110,125	110,125
	(ii)	279,961	231,707	417,612	536,598	536,598	4,949	2,425	3,728	3,853	4,949	4,949	4,949	4,949
	(iii)	2,551,635	2,809,524	2,531,155	2,402,772	2,809,524	4,739	3,987	3,470	3,999	4,739	4,739	4,739	4,739
SUB TOTAL LMV--4	PUBLIC LAMPS (LMV-3)	43,757	51,150	53,638	76,416		3,591	3,580	3,454	3,486				
	A													
	Rural													
	Urban													
	B													
	Rural													
	Urban													
	(A)	25,064	19,906	17,036	14,798	25,064	2,637	2,837	2,675	2,418	2,837	2,837	2,837	2,837
	(B)	17,050	20,027	28,787	26,519	28,787	2,082	2,555	2,409	2,210	2,555	2,555	2,555	2,555
SUB TOTAL LMV--5	LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	23,057	19,928	18,332	16,315		2,513	2,780	2,625	2,371				
	Rural													



Annual Revenue Requirement Petition of MVVNL for FY 2015-16 and True-Up Petition for FY 2012-13

SUPPLY TYPE	CATEGORY	Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis					Unmet As per Norms	Assumed	
		Previous Year-3	Previous Year-2	Previous Year-1	Current Year	Max between last 4 years	Previous Year-3	Previous Year-2	Previous Year-1	Current Year	Max between last 4 years			
	Urban													
	(A) Rural Schedule													
	(i) Un metered Supply	3,658	3,970	3,901	4,412	4,412	894	957	949	1,050	1,050	1649.88	1,650	
	(ii) Metered Supply	9,438	6,623	4,745	9,570	9,570	2,689	2,116	734	1,753	2,689		2,689	
	(B) Urban Schedule													
	(i) Metered Supply	16,211	14,948	17,319	19,100	19,100	3,826	3,134	3,754	3,935	3,935		3,935	
SUB TOTAL LMV-6	PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	4,453	4,520	4,536	5,082	5,082	1,095	1,082	1,095	1,199				
	Rural													
	Urban													
	(A) Small & Medium Power (Power Loom)													
	(i) Rural Schedule	7,630	9,530	7,132	10,145	10,145	912	1,332	1,661	2,465	2,465		2,465	
	(ii) Urban Schedule	20,203	12,843	41,238	18,851	41,238	2,290	2,830	8,853	3,745	8,853		8,853	
	(B) Small & Medium Power													
	(i) Rural Schedule	5,859	7,581	7,624	8,414	8,414	756	1,066	894	908	1,066		1,066	
	(ii) Urban Schedule	17,201	20,051	20,785	21,236	21,236	1,354	1,464	1,642	1,652	1,652		1,652	
SUB TOTAL LMV-7	SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	12,465	13,374	13,784	13,978	13,978	1,239	1,560	1,552	1,559				
	Rural													
	Urban													
	(A) Rural Schedule													
	(i) Jal Nigam	43,088	84,507	124,728	165,477	165,477	1,969	3,087	3,290	5,219	5,219		5,219	
	(ii) Jal Sansthan	64,818	78,947	569,821	395,969	569,821	3,510	5,425	32,762	4,842	32,762		32,762	
	(iii) Others (Water Works)	138,235	122,302	151,320	132,945	151,320	5,981	3,025	7,345	5,781	7,345		7,345	
	(B) Urban Schedule													



Annual Revenue Requirement Petition of MVNL for FY 2015-16 and True-Up Petition for FY 2012-13

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis					Unmetered As per Norms	Assumed
		Previous Year-3	Previous Year-2	Previous Year-1	Current Year	Max between last 4 years	Previous Year-3	Previous Year-2	Previous Year-1	Current Year	Max between last 4 years		
	(i) Jal Nigam	228,519	216,418	203,255	151,749	228,519	2,741	3,106	3,883	4,916	4,916	4,916	4,916
	(ii) Jal Sansthan	181,306	237,062	291,772	223,199	291,772	3,510	4,491	5,035	5,035	5,035	5,035	5,035
	(iii) Others (Water Works)	131,334	212,871	224,844	287,043	287,043	3,990	4,201	6,476	5,465	6,476	6,476	6,476
<b>SUB TOTAL LMV-8</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>132,302</b>	<b>183,942</b>	<b>224,556</b>	<b>211,286</b>		<b>3,426</b>	<b>3,970</b>	<b>5,115</b>	<b>4,599</b>			
	Rural												
	Urban												
	(A) Metered Supply	69,206	38,716	377,261	102,651	377,261	4,057	2,852	18,032	6,975	18,032	18,032	18,032
	(B) Un-metered Supply												
	(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	59,036	89,198	90,157	97,934	97,934	4,231	5,904	6,137	6,518	6,518	6,518	6,518
	(ii) Laghu Dal Nahar above 100 BHP	374,348	1,800,000	1,551,071	254,968	1,800,000	4,240	5,205	6,141	5,102	6,141	6,141	6,141
<b>SUB TOTAL LMV-9</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>61,220</b>	<b>85,245</b>	<b>98,844</b>	<b>99,755</b>		<b>4,219</b>	<b>5,575</b>	<b>6,504</b>	<b>6,492</b>			
	Rural												
	Urban												
	(A) Metered Supply												
	(i) Individual Residential Consumers	5,711	6,520	9,969	10,224	10,224	1,841	2,250	3,112	4,787	4,787	4,787	4,787
	(ii) Others	-	-	-	-	-	-	-	-	-	-	-	-
	(B) Un-metered Supply												
	(i) Ceremonies	15,932	40,000	-	-	40,000	790	1,961	-	-	1,961	1,961	1,961
	(ii) Temporary Shops	-	-	-	-	-	-	-	-	-	-	-	-


  
 राजेन्द्र प्रसाद सिंघ (राजिस्ट्रार)
   
 मन्दास विद्युत निगम, गिरम लो
   
 4-ए. गोखले मार्ग, लखनऊ



Annual Revenue Requirement Petition of MVVNL for FY 2015-16 and True-Up Petition for FY 2012-13

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis					Unmet As per Norms	Assumed	
		Previous Year-3	Previous Year -2	Previous Year-1	Current Year	Max between last 4 years	Previous Year-3	Previous Year-2	Previous Year-1	Current Year	Max between last 4 years			
SUB TOTAL LMV--10	TEMPORARY SUPPLY (LMV-9)	5,967	7,009	10,001	10,224		1,691	2,223	3,122	4,787				
	(A) Serving													
	(i) Class IV Employees	2,641	2,902	3,241	3,393	3,393	1,111	1,195	1,192	1,120	1,195			3,393
	(ii) Class III Employees	3,389	2,665	2,649	3,456	3,456	953	781	686	1,051	1,051			3,456
	(iii) Junior Engineers & Equivalent	8,242	5,032	30,696	3,738	30,696	1,827	1,142	8,586	925	8,586			3,738
	(iv) Assistant Engineers & Equivalent	10,773	10,417	5,748	5,726	10,773	2,772	2,123	1,125	1,008	2,772			5,726
	(v) Executive Engineers & Equivalent	3,721	1,698	2,174	12,933	12,933	2,016	891	1,138	2,094	2,094			12,933
	(vi) Deputy General Manager & Equivalent	21,250	-	7,286	7,000	21,250	4,857	-	1,594	1,448	4,857			7,000
	(vii) CGM/GM & Equivalent posts and above	20,000	-	103,000	882,000	882,000	2,857	-	14,714	126,000	126,000			882,000
	(B) Total Pensioner & Family Pensioner	7,386	7,865	7,854	6,412	7,865	2,360	2,142	2,103	1,912	2,360			6,412
SUB TOTAL HV--1	DEPARTMENTAL EMPLOYEES (LMV-10)	5,509	5,646	6,072	5,587		1,755	1,622	1,709	1,676				
	Rural													
	Urban													
	(A) Urban Schedule													
	(i) For supply at 11kV	748,194	785,714	744,610	750,675	785,714	2,097	2,024	1,943	1,933	2,097			2,097
	(ii) For supply above 11kV and	1,296,556	14,000,000	1,148,143	1,100,000	14,000,000	1,934	4,334	2,084	2,132	4,334			4,334

Annual Revenue Requirement Petition of MVVNL for FY 2015-16 and True-UP Petition for FY 2012-13

SUPPLY TYPE	CATEGORY	Per Capita Consumption /Consumer				Per Capita Consumption on Load Basis				Unmet As per Norms	Assumed			
		Previous Year-3	Previous Year-2	Previous Year-1	Current Year	Max between last 4 years	Previous Year-3	Previous Year-2	Previous Year-1			Current Year	Max between last 4 years	
	upto & Including 66kV													
	For supply above 66kV and upto & Including 132kV	336,000	1,500,000	1,452,000	-	1,500,000	38	13,100	1,770	-	13,100	-	13,100	13,100
	For supply above 132kV	-	-	-	-	-	-	-	-	-	-	-	-	-
	(B) Rural Schedule													
	(i) For supply at 11kV	1,504,333	-	97,000	758,400	1,504,333	14,237	-	526	5,238	14,237	-	14,237	14,237
	(ii) For supply above 11kV and upto & Including 66kV	-	90,000	-	60,250	90,000	-	425	-	634	634	-	634	634
SUB TOTAL HV-2	NON INDUSTRIAL BULK LOADS	751,491	819,689	762,116	768,779	1,991	2,094	1,939	1,983					
	Rural													
	Urban													
	(A) Urban Schedule													
	(i) For supply at 11kV	950,390	909,900	882,370	856,884	950,390	2,987	2,742	2,781	2,732	2,987	-	2,987	2,987
	(ii) For supply above 11kV and upto & Including 66kV	5,277,935	1,908,163	2,953,697	2,067,183	5,277,935	4,643	3,198	3,293	2,949	4,643	-	4,643	4,643
	(iii) For supply above 66kV and upto & Including 132kV	3,600,667	2,640,000	5,537,923	5,987,077	5,987,077	1,180	1,577	2,053	2,340	2,340	-	2,340	2,340
	(iv) For supply above 132kV	13,885,000	16,000,000	5,345,000	3,115,667	16,000,000	3,086	3,556	1,188	398	3,556	-	3,556	1,188
	(B) Rural Schedule													


  
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 राजस्थान विद्युत निगम लिमिटेड
   
 अ.स. गोखले मार्ग, बल्लभपुर



Annual Revenue Requirement Petition of MVVNL for FY 2015-16 and True-Up Petition for FY 2012-13

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer				Per Capita Consumption on Load Basis				Unmet As per Norms	Assumed	
		Previous Year-3	Previous Year-2	Previous Year-1	Current Year	Max between last 4 years	Previous Year-3	Previous Year-2	Previous Year-1			Current Year
	(i) For supply at 11kV	370,143	417,476	421,835	457,216	457,216	1,603	2,041	1,650	1,777	2,041	2,041
	(ii) For supply above 11kV and upto & including 66kV	-	-	3,978,000	475,000	3,978,000	-	-	18,764	2,241	18,764	18,764
<b>SUB TOTAL HV--3</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>1,090,463</b>	<b>1,003,552</b>	<b>1,027,850</b>	<b>995,281</b>	<b>995,281</b>	<b>2,951</b>	<b>2,664</b>	<b>2,724</b>	<b>2,570</b>		
	Rural											
	Urban											
	(A) For supply at the above 132kV	30,067,000	15,500,000	8,425,500	15,943,600	30,067,000	92,514	2,398	1,503	2,563	2,563	2,563
	(B) For supply below 132kV	-	-	-	-	-	-	-	-	-	-	-
	(C) For Metro Traction	-	-	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL HV--4</b>	<b>RAILWAY TRACTION (HV-3)</b>	<b>30,067,000</b>	<b>15,500,000</b>	<b>8,625,500</b>	<b>16,022,600</b>	<b>16,022,600</b>	<b>92,514</b>	<b>2,398</b>	<b>1,539</b>	<b>2,576</b>		
	Rural											
	Urban											
	(A) For supply at 11kV	1,993,462	3,000,000	3,034,750	3,049,417	3,049,417	1,225	4,206	4,305	4,255	4,305	4,305
	(B) For supply above 11kV and upto 66kV	19,052,000	15,000,000	13,076,000	13,366,600	19,052,000	5,721	5,004	5,336	5,455	5,721	5,721
	(C) For supply above 66kV and upto 132kV	9,449,000	14,000,000	14,957,000	13,335,000	14,957,000	4,200	6,222	6,648	5,927	6,648	6,648
<b>SUB TOTAL EXTRA STATE</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>	<b>5,442,353</b>	<b>6,470,588</b>	<b>6,486,333</b>	<b>6,486,722</b>	<b>6,486,722</b>	<b>2,770</b>	<b>4,825</b>	<b>5,085</b>	<b>5,054</b>		
	Rural											
	Urban											
	(A) EXTRA STATE & OTHERS	50,520,000	43,000,000	59,052,000	61,652,000	61,652,000	10,104	8,600	11,810	12,330	12,330	12,330
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>	<b>50,520,000</b>	<b>43,000,000</b>	<b>59,052,000</b>	<b>61,652,000</b>	<b>61,652,000</b>	<b>10,104</b>	<b>8,600</b>	<b>11,810</b>	<b>12,330</b>		

  
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4-ए. गोखले मार्ग, लखनऊ

Annual Revenue Requirement Petition of MVNL for FY 2015-16 and True-Up Petition for FY 2012-13

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis					Max between last 4 years	Unmet As per Norms	Assumed	
		Previous Year-3	Previous Year -2	Previous Year-1	Current Year	Max between last 4 years	Previous Year-3	Previous Year-2	Previous Year-1	Current Year					
BULK	Rural														
	Urban														
	(A) NPCL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(B) KESCO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL	BULK SUPPLY														
	GRAND TOTAL	2,748	3,042	3,122	3,207		1,363	1,498	1,521	1,542					

  
 अधिकाशी अभियन्ता (वार्डिंग)  
 मध्यमत्त विद्युत वितरण निगम लि  
 4-ए, गोखले मार्ग, लखनऊ



## 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

Lucknow Discom			No of Consumer		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
LMV-1		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	888,464	799,618	621,925
		(ii) Metered	336,631	585,661	1,564,274
	(B)	Supply at Single Point for Bulk Load	27	28	29
	(C1)	Other Metered Domestic Consumers	1,286,322	1,363,501	1,445,311
	(C2)	Life Line Consumers/BPL	321,308	379,143	447,389
<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>		<b>2,832,752</b>	<b>3,127,952</b>	<b>4,078,928</b>
LMV-2		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	20,609	21,846	23,156
		(ii) Metered	24,034	28,841	34,609
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	220,277	224,683	229,176
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>		<b>264,920</b>	<b>275,369</b>	<b>286,941</b>
LMV-3	A	Rural			
		Urban			
	(A)	Un-metered Supply			
		(i) Gram Panchyat	3,683	3,720	3,757
		(ii) Nagar Palika & Nagar Panchyat	148	154	160
		(iii) Nagar Nigam	44	46	49
	(B)	Metered Supply			
		(i) Gram Panchyat	-	-	-
		(ii) Nagar Palika & Nagar Panchyat	97	106	115
		(iii) Nagar Nigam	57	67	78
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>		<b>4,029</b>	<b>4,092</b>	<b>4,159</b>

Lucknow Discom			No of Consumer		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
LMV-4	A	Rural			
		Urban			
	B	Rural			
		Urban			
	(A)	Public Institution(4 A)	15,064	16,269	17,571
	(B)	Private Institution(4 B)	2,239	2,418	2,612
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>		<b>17,303</b>	<b>18,687</b>	<b>20,182</b>
LMV-5		Rural			
		Urban			
	(A)	Rural Schedule			
		(i) Un metered Supply	136,615	136,615	136,615
		(ii) Metered Supply	1,064	1,330	1,663
	(B)	Urban Schedule			
	(i) Metered Supply	6,181	6,923	7,753	
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>		<b>143,860</b>	<b>144,868</b>	<b>146,031</b>
LMV-6		Rural			
		Urban			
	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	9,794	10,969	12,286
		(ii) Urban Schedule	1,382	1,451	1,524
	(B)	Small & Medium Power			
	(i) Rural Schedule	11,093	12,202	13,423	
	(ii) Urban Schedule	12,747	13,512	14,323	
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>35,016</b>	<b>38,135</b>	<b>41,554</b>
LMV-7		Rural			
		Urban			
	(A)	Rural Schedule			
		(i) Jal Nigam	281	284	287
		(ii) Jal Sansthan	64	69	75
		(iii) Others (Water Works)	219	267	326
(B)	Urban Schedule				
	(i) Jal Nigam	235	296	373	
	(ii) Jal Sansthan	649	701	757	
	(iii) Others (Water Works)	323	339	356	
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>		<b>1,771</b>	<b>1,956</b>	<b>2,173</b>



Lucknow Discom			No of Consumer		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
LMV--8		Rural			
		Urban			
	(A)	Metered Supply	439	492	551
	(B)	Un-metered Supply	-	-	-
	(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	8,712	8,886	9,064
	(ii)	Laghu Dal Nahar above 100 BHP	94	120	154
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>		<b>9,245</b>	<b>9,498</b>	<b>9,769</b>
LMV--9		Rural			
		Urban			
	(A)	Metered Supply			
	(i)	Individual Residential Consumers	125	131	138
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	-	-	-
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>		<b>125</b>	<b>131</b>	<b>138</b>
LMV--10	(A)	Serving			
	(i)	Class IV Employees	2,648	2,780	2,919
	(ii)	Class III Employees	3,926	4,005	4,085
	(iii)	Junior Engineers & Equivalent	351	365	380
	(iv)	Assistant Engineers & Equivalent	106	110	115
	(v)	Executive Engineers & Equivalent	45	46	47
	(vi)	Deputy General Manager & Equivalent	6	6	6
	(vi)	CGM/GM & Equivalent posts and above	1	1	1
	(B)	Total Pensioner & Family Pensioner	16,470	17,788	19,211
	<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>		<b>23,553</b>	<b>25,101</b>
HV--1		Rural			
		Urban			
	(A)	Urban Schedule			
	(i)	For supply at 11kV	655	721	793
	(ii)	For supply above 11kV and upto & Including 66kV	16	18	19
	(iii)	For supply above 66kV and upto & Including 132kV	-	-	-

Lucknow Discom			No of Consumer		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
		(iv) For supply above 132kV	-	-	-
	(B)	Rural Schedule			
		(i) For supply at 11kV	5	5	6
		(ii) For supply above 11kV and upto & Including 66kV	4	4	4
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>		<b>680</b>	<b>748</b>	<b>822</b>
<b>HV--2</b>		Rural			
		Urban			
	(A)	Urban Schedule			
		(i) For supply at 11kV	1,001	1,031	1,062
		(ii) For supply above 11kV and upto & Including 66kV	126	139	152
		(iii) For supply above 66kV and upto & Including 132kV	13	13	14
		(iv) For supply above 132kV	3	3	3
	(B)	Rural Schedule			
		(i) For supply at 11kV	125	138	151
		(ii) For supply above 11kV and upto & Including 66kV	1	1	1
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>		<b>1,269</b>	<b>1,324</b>	<b>1,383</b>
<b>HV--3</b>		Rural			
		Urban			
	(A)	For supply at the above 132kV	5	5	6
	(B)	For supply below 132kV	-	-	-
	(C)	For Metro Traction	-	-	-
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>		<b>5</b>	<b>5</b>	<b>6</b>
<b>HV--4</b>		Rural			
		Urban			
	(A)	For supply at 11kV	12	13	15
	(B)	For supply above 11kV and upto 66kV	5	5	6
	(C)	For supply above 66kV and upto 132kV	1	1	1
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>		<b>18</b>	<b>19</b>	<b>21</b>
<b>EXTRA STATE</b>		Rural			
		Urban			
	(A)	EXTRA STATE & OTHERS	1	1	1
<b>SUB</b>	<b>EXTRA STATE CONSUMERS</b>		<b>1</b>	<b>1</b>	<b>1</b>



Lucknow Discom			No of Consumer		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
TOTAL					
BULK		Rural			
		Urban			
	(A)	NPCL	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL	BULK SUPPLY		-	-	-
	GRAND TOTAL		3,334,547	3,647,887	4,618,872

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

Lucknow Discom			Projected Connected Load in KW		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
LMV--1		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	1,286,645	1,157,981	900,652
		(ii) Metered	284,609	511,918	1,367,308
	(B)	Supply at Single Point for Bulk Load	27,145	27,404	28,500
	(C1)	Other Metered Domestic Consumers	2,097,447	2,223,294	2,356,691
	(C2)	Life Line Consumers/BPL	301,973	356,328	420,467
SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)		3,997,819	4,276,924	5,073,618
LMV--2		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	36,195	38,367	40,669
		(ii) Metered	66,002	82,282	98,738
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	587,374	599,121	611,104

Lucknow Discom			Projected Connected Load in KW		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>		<b>689,571</b>	<b>719,770</b>	<b>750,511</b>
<b>LMV--3</b>	A	Rural			
		Urban			
	(A)	Un-metered Supply			
		(i) Gram Panchyat	15,489	15,644	15,800
		(ii) Nagar Palika & Nagar Panchyat	13,762	650	676
		(iii) Nagar Nigam	5,275	6,690	7,025
	(B)	Metered Supply			
		(i) Gram Panchyat	-	-	-
		(ii) Nagar Palika & Nagar Panchyat	13,510	11,843	12,909
		(iii) Nagar Nigam	40,294	48,646	56,916
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>		<b>88,330</b>	<b>83,473</b>	<b>93,326</b>
<b>LMV--4</b>	A	Rural			
		Urban			
	B	Rural			
		Urban			
	(A)	Public Institution(4 A)	92,204	103,614	111,903
	(B)	Private Institution(4 B)	26,870	29,020	31,341
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>		<b>119,074</b>	<b>132,633</b>	<b>143,244</b>
<b>LMV--5</b>		Rural			
		Urban			
	(A)	Rural Schedule			
		(i) Un metered Supply	574,104	574,104	574,104
		(ii) Metered Supply	5,810	8,599	10,749
	(B)	Urban Schedule			
		(i) Metered Supply	30,001	33,601	37,633
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>		<b>609,915</b>	<b>616,304</b>	<b>622,486</b>
<b>LMV--6</b>		Rural			
		Urban			
	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	40,305	47,102	52,754
		(ii) Urban Schedule	6,957	7,305	7,670
	(B)	Small & Medium Power			
		(i) Rural Schedule	102,826	113,109	124,419
		(ii) Urban Schedule	163,829	185,071	196,175
<b>SUB</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>313,917</b>	<b>352,586</b>	<b>381,018</b>




Lucknow Discom				Projected Connected Load in KW		
SUPPLY TYPE	CATEGORY	CATEGORY		2013-14	2014-15	2015-16
TOTAL						
LMV--7		Rural				
		Urban				
	(A)	Rural Schedule				
		(i)	Jal Nigam	8,910	10,759	10,866
		(ii)	Jal Sansthan	5,234	5,653	6,105
		(iii)	Others (Water Works)	5,036	10,801	13,177
	(B)	Urban Schedule				
		(i)	Jal Nigam	7,254	9,140	11,516
		(ii)	Jal Sansthan	37,964	41,001	44,281
		(iii)	Others (Water Works)	16,965	17,813	18,704
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)		81,363	95,166	104,649
LMV--8		Rural				
		Urban				
	(A)	Metered Supply		6,461	10,287	11,521
	(B)	Un-metered Supply				
		(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	130,901	134,257	136,942
		(ii)	Laghu Dal Nahar above 100 BHP	4,698	30,389	38,898
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		142,060	174,933	187,361
LMV--9		Rural				
		Urban				
	(A)	Metered Supply				
		(i)	Individual Residential Consumers	267	421	442
		(ii)	Others	-	-	-
	(B)	Un-metered Supply				
		(i)	Ceremonies	-	-	-
		(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)		267	421	442
LMV--10	(A)	Serving				
		(i)	Class IV Employees	8,022	8,423	8,844
		(ii)	Class III Employees	12,906	15,467	15,776
		(iii)	Junior Engineers & Equivalent	1,418	1,647	1,713
		(iv)	Assistant Engineers & Equivalent	602	626	651
		(v)	Executive Engineers & Equivalent	278	284	289
		(vi)	Deputy General Manager & Equivalent	29	30	30

Lucknow Discom			Projected Connected Load in KW		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
		(vii) CGM/GM & Equivalent posts and above	7	7	7
	(B)	Total Pensioner & Family Pensioner	55,229	66,440	71,756
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>		<b>78,491</b>	<b>92,923</b>	<b>99,066</b>
HV--1		Rural			
		Urban			
	(A)	Urban Schedule			
		(i) For supply at 11kV	254,332	279,765	307,742
		(ii) For supply above 11kV and upto & Including 66kV	8,254	9,079	9,987
		(iii) For supply above 66kV and upto & Including 132kV	-	-	-
		(iv) For supply above 132kV	-	-	-
	(B)	Rural Schedule			
		(i) For supply at 11kV	724	760	798
		(ii) For supply above 11kV and upto & Including 66kV	380	399	419
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>		<b>263,690</b>	<b>290,004</b>	<b>318,946</b>
HV--2		Rural			
		Urban			
	(A)	Urban Schedule			
		(i) For supply at 11kV	313,998	323,418	333,120
		(ii) For supply above 11kV and upto & Including 66kV	88,335	97,169	106,885
		(iii) For supply above 66kV and upto & Including 132kV	33,265	33,930	34,609
		(iv) For supply above 132kV	23,500	23,500	23,500
	(B)	Rural Schedule			
		(i) For supply at 11kV	32,166	35,383	38,921
		(ii) For supply above 11kV and upto & Including 66kV	212	212	212
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>		<b>491,476</b>	<b>513,611</b>	<b>537,248</b>
HV--3		Rural			
		Urban			
	(A)	For supply at the above 132kV	31,100	32,655	34,288
	(B)	For supply below 132kV	-	-	-
	(C)	For Metro Traction	-	-	-
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>		<b>31,100</b>	<b>32,655</b>	<b>34,288</b>
HV--4		Rural			



Lucknow Discom			Projected Connected Load in KW		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
		Urban			
	(A)	For supply at 11kV	8,599	9,459	10,405
	(B)	For supply above 11kV and upto 66kV	12,252	12,865	13,508
	(C)	For supply above 66kV and upto 132kV	2,250	2,250	2,250
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>		<b>23,101</b>	<b>24,574</b>	<b>26,163</b>
<b>EXTRA STATE</b>		Rural			
		Urban			
	(A)	EXTRA STATE & OTHERS	5,000	5,000	5,000
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>		<b>5,000</b>	<b>5,000</b>	<b>5,000</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>6,935,174</b>	<b>7,410,977</b>	<b>8,377,366</b>

  
 अधिकारी अभियन्ता (वाणिज्य)  
 मध्यमल विद्युत वितरण निगम लि०  
 4-ए, गोखले मार्ग, लखनऊ

## 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

Lucknow Discom		Projected Sales				Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	
LMV--1	Rural										
	Urban										
(A)	Consumer getting supply as per "Rural Schedule"										
	(i) Un-metered	1,108	1,501	1,167	1,108	1,501	1,167	1,108	1,501	1,167	
	(ii) Metered	251	507	1,355	251	523	1,434	251	523	1,434	
(B)	Supply at Single Point for Bulk Load	82	0	0	82	0	0	82	0	0	
(C1)	Other Metered Domestic Consumers	2,796	2,963	3,141	2,796	3,047	3,286	2,812	3,047	3,286	
(C2)	Life Line Consumers/BPL	240	335	395	240	345	418	240	345	418	
<b>SUB TOTAL LMV--2</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>4,476</b>	<b>5,305</b>	<b>6,057</b>	<b>4,476</b>	<b>5,415</b>	<b>6,305</b>	<b>4,493</b>	<b>5,415</b>	<b>6,305</b>	
LMV--2	Rural										
	Urban										
(A)	Consumer getting supply as per "Rural Schedule"										
	(i) Un-metered	37	50	53	37	50	53	37	50	53	
	(ii) Metered	62	120	144	62	124	152	62	124	152	
(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	5	-	-	5	-	-	5	-	-	
(C)	Other Metered Non-Domestic Supply	829	846	863	829	870	903	829	870	903	
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>933</b>	<b>1,016</b>	<b>1,059</b>	<b>933</b>	<b>1,043</b>	<b>1,108</b>	<b>933</b>	<b>1,043</b>	<b>1,108</b>	



Annual Revenue Requirement Petition of MVVNL for FY 2015-16 and True-UP Petition for FY 2012-13

Lucknow Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
LMV--3	A									
	(A)									
	Un-metered Supply									
	(i) Gram Panchyat	40	56	57	40	56	57	40	56	57
	(ii) Nagar Palika & Nagar Panchyat	63	3	3	63	3	3	63	3	3
	(iii) Nagar Nigam	16	29	30	16	29	30	16	29	30
	Metered Supply									
	(i) Gram Panchyat	0	-	-	0	-	-	0	-	-
	(ii) Nagar Palika & Nagar Panchyat	52	59	64	52	60	68	52	60	68
	(iii) Nagar Nigam	137	231	270	137	237	280	137	237	280
SUB TOTAL	PUBLIC LAMPS (LMV-3)	308	377	424	308	385	438	308	385	438
LMV--4	A									
	B									
	Rural									
	Urban									
	Rural									
	Urban									
(A)	Public Institution(4 A)	223	294	317	223	302	334	223	302	334
(B)	Private Institution(4 B)	59	74	80	59	76	84	59	76	84
SUB TOTAL	LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	282	368	398	282	379	418	282	379	418
LMV--5	A									
	B									
	Rural									
	Urban									
(A)	Rural Schedule									
	(i) Un metered Supply	603	947	947	603	947	947	603	947	947
	(ii) Metered Supply	10	23	29	10	23	29	10	23	29
(B)	Urban Schedule									
	(i) Metered Supply	118	132	148	118	132	148	118	132	148
SUB TOTAL	PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	731	1,103	1,124	731	1,103	1,124	731	1,103	1,124


  
 4-ए. गोपाल मॉर्ग, लखनऊ

Annual Revenue Requirement Petition of MVVNL for FY 2015-16 and True-UP Petition for FY 2012-13

Lucknow Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
TOTAL										
LMV--6	Rural									
	Urban									
(A)	Small & Medium Power (Power Loom)									
	(i) Rural Schedule	99	116	130	99	120	138	99	120	138
	(ii) Urban Schedule	26	65	68	26	67	72	26	67	72
(B)	Small & Medium Power									
	(i) Rural Schedule	93	121	133	93	124	140	93	124	140
	(ii) Urban Schedule	271	306	324	271	315	341	271	315	341
SUB TOTAL (LMV-6)	SMALL & MEDIUM POWER UPTO 100 HP (75)	489	607	655	489	625	691	489	625	691
LMV--7	Rural									
	Urban									
(A)	Rural Schedule									
	(i) Jal Nigam	46	56	57	46	56	57	46	56	57
	(ii) Jal Sansthan	25	185	200	25	185	200	25	185	200
	(iii) Others (Water Works)	29	79	97	29	79	97	29	79	97
(B)	Urban Schedule									
	(i) Jal Nigam	36	45	57	36	45	57	36	45	57
	(ii) Jal Sansthan	145	206	223	145	206	223	145	206	223
	(iii) Others (Water Works)	93	115	121	93	115	121	93	115	121
SUB TOTAL (LMV-7)	PUBLIC WATER WORKS(LMV-7)	374	687	754	374	687	754	374	687	754
LMV--8	Rural									
	Urban									
(A)	Metered Supply	45	185	208	45	185	208	45	185	208
(B)	Un-metered Supply									
	(i) STW, Panchayat Raj, WB,	853	570	581	853	570	581	853	570	581

*(Signature)*  
 Lucknow Discom (विद्युत निगम)



Lucknow Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
	I.Duch, P.Canals, LI upto 100 BHP									
	Laghu Dal Nahar above 100 BHP	24	7.72	9.88	23.97	7.72	9.88	24	7.72	9.88
<b>SUB TOTAL LMV--9</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>922</b>	<b>763</b>	<b>799</b>	<b>922</b>	<b>763</b>	<b>799</b>	<b>922</b>	<b>763</b>	<b>799</b>
	Rural									
	Urban									
(A)	Metered Supply									
	Individual Residential Consumers	1	2	2	1	2	2	1	2	2
	Others	-	-	-	-	-	-	-	-	-
(B)	Un-metered Supply									
	Ceremonies	-	-	-	-	-	-	-	-	-
	Temporary Shops	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL LMV--10</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>
(A)	Serving									
	Class IV Employees	9	9	10	9	10	10	9	10	10
	Class III Employees	14	14	14	14	14	15	14	14	15
	Junior Engineers & Equivalent	1	1	1	1	1	1	1	1	1
	Assistant Engineers & Equivalent	1	1	1	1	1	1	1	1	1
	Executive Engineers & Equivalent	1	1	1	1	1	1	1	1	1
	Deputy General Manager & Equivalent	0	0	0	0	0	0	0	0	0
	CGM/GM & Equivalent posts and above	1	1	1	1	1	1	1	1	1
(B)	Total Pensioner & Family Pensioner	106	114	123	106	117	128	106	117	128
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>132</b>	<b>141</b>	<b>151</b>	<b>132</b>	<b>145</b>	<b>158</b>	<b>132</b>	<b>145</b>	<b>158</b>

अमित कुमार (एग्जिक्यूटिव)  
 अध्यक्ष, विद्युत विभाग निगम लिमिटेड  
 4-ए, गोकुल मार्ग, लखनऊ

Annual Revenue Requirement Petition of MVVNL for FY 2015-16 and True-UP Petition for FY 2012-13

Lucknow Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
HV--1	Rural									
	Urban									
	(A)									
	Urban Schedule									
	(i) For supply at 11kV	492	587	645	492	587	645	492	587	645
	(ii) For supply above 11kV and upto & including 66kV	18	39	43	18	39	43	18	39	43
	(iii) For supply above 66kV and upto & including 132kV	9	-	-	9	-	-	9	-	-
	(iv) For supply above 132kV	0	-	-	0	-	-	0	-	-
	(B) Rural Schedule									
	(i) For supply at 11kV	4	11	11	4	11	11	4	11	11
	(ii) For supply above 11kV and upto & including 66kV	0	0	0	0	0	0	0	0	0
SUB TOTAL HV--2	NON INDUSTRIAL BULK LOADS (HV-1)	523	637	700	523	637	700	523	637	700
	Rural									
	Urban									
	(A) Urban Schedule									
	(i) For supply at 11kV	858	966	995	858	966	995	858	966	995
	(ii) For supply above 11kV and upto & including 66kV	260	451	496	260	451	496	260	451	496
	(iii) For supply above 66kV and upto & including 132kV	78	79	81	78	79	81	78	79	81
	(iv) For supply above 132kV	9	28	28	9	28	28	9	28	28
	(B) Rural Schedule									
	(i) For supply at 11kV	57	72	79	57	72	79	57	72	79
	(ii) For supply above 11kV and upto & including 66kV	0	4	4	0	4	4	0	4	4
SUB TOTAL HV--3	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW)	1,263	1,601	1,684	1,263	1,601	1,684	1,263	1,601	1,684
	Rural									



Annual Revenue Requirement Petition of MVVNL for FY 2015-16 and True-UP Petition for FY 2012-13

Lucknow Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
	Urban									
(A)	For supply at the above 132kV	80	84	88	80	84	88	80	84	88
(B)	For supply below 132kV	0	-	-	0	-	-	0	-	-
(C)	For Metro Traction	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL HV-4</b>	<b>RAILWAY TRACTION (HV-3)</b>	<b>80</b>	<b>84</b>	<b>88</b>	<b>80</b>	<b>84</b>	<b>88</b>	<b>80</b>	<b>84</b>	<b>88</b>
	Rural									
	Urban									
(A)	For supply at 11kV	37	41	45	37	41	45	37	41	45
(B)	For supply above 11kV and upto 66kV	67	74	77	67	74	77	67	74	77
(C)	For supply above 66kV and upto 132kV	13	15	15	13	15	15	13	15	15
<b>SUB TOTAL EXTRA STATE</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>	<b>117</b>	<b>129</b>	<b>137</b>	<b>117</b>	<b>129</b>	<b>137</b>	<b>117</b>	<b>129</b>	<b>137</b>
	Rural									
	Urban									
(A)	EXTRA STATE & OTHERS	62	62	62	62	62	62	62	62	62
<b>SUB TOTAL BULK</b>	<b>EXTRA STATE CONSUMERS</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>
	Rural									
	Urban									
(A)	NPCL	-	-	-	-	-	-	-	-	-
(B)	KESCO	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL</b>	<b>BULK SUPPLY</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>GRAND TOTAL</b>	<b>10,694</b>	<b>12,882</b>	<b>14,093</b>	<b>10,694</b>	<b>13,060</b>	<b>14,468</b>	<b>10,711</b>	<b>13,060</b>	<b>14,468</b>

*(Signature)*

अधिकासी अभियन्ता (वाणिज्य)

मध्यप्रदेश विद्युत निगम लि.  
4-ए, गोखले मार्ग, लखनऊ

## 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		Lucknow 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	8,88,464	12,86,645	1,108
		(ii) Metered	3,36,631	2,84,609	251
	(B)	Supply at Single Point for Bulk Load	27	27,145	82
	(C1)	Other Metered Domestic Consumers	12,86,322	20,97,447	2,812
	(C2)	Life Line Consumers/BPL	3,21,308	3,01,973	240
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>28,32,752</b>	<b>39,97,819</b>	<b>4,493</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	20,609	36,195	37
		(ii) Metered	24,034	66,002	62
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	5
	(C)	Other Metered Non-Domestic Supply	2,20,277	5,87,374	829
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>2,64,920</b>	<b>6,89,571</b>	<b>933</b>
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	3,683	15,489	40
		(ii) Nagar Palika & Nagar Panchyat	148	13,762	63
		(iii) Nagar Nigam	44	5,275	16
	(B)	Metered Supply			
		(i) Gram Panchyat	-	-	0
		(ii) Nagar Palika & Nagar Panchyat	97	13,510	52
		(iii) Nagar Nigam	57	40,294	137
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>4,029</b>	<b>88,330</b>	<b>308</b>
LMV--4	(A)	Public Institution(4 A)	15,064	92,204	223
	(B)	Private Institution(4 B)	2,239	26,870	59
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>17,303</b>	<b>1,19,074</b>	<b>282</b>
LMV--5	(A)	Rural Schedule			
		(i) Un metered Supply	1,36,615	5,74,104	603
		(ii) Metered Supply	1,064	5,810	10
	(B)	Urban Schedule			
		(i) Metered Supply	6,181	30,001	118
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>1,43,860</b>	<b>6,09,915</b>	<b>731</b>
LMV--6	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	9,794	40,305	99
		(ii) Urban Schedule	1,382	6,957	26
	(B)	Small & Medium Power			
		(i) Rural Schedule	11,093	1,02,826	93



SUPPLY TYPE	Lucknow DISCOM FY 2013-14		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(ii)	Urban Schedule	12,747	1,63,829	271
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>35,016</b>	<b>3,13,917</b>	<b>489</b>
<b>LMV--7</b>	<b>(A)</b>	Rural Schedule			
	(i)	Jal Nigam	281	8,910	46
	(ii)	Jal Sansthan	64	5,234	25
	(iii)	Others (Water Works)	219	5,036	29
	<b>(B)</b>	Urban Schedule			
	(i)	Jal Nigam	235	7,254	36
	(ii)	Jal Sansthan	649	37,964	145
	(iii)	Others (Water Works)	323	16,965	93
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>		<b>1,771</b>	<b>81,363</b>	<b>374</b>
<b>LMV--8</b>	<b>(A)</b>	Metered Supply	439	6,461	45
	<b>(B)</b>	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	8,712	1,30,901	853
	(ii)	Laghu Dal Nahar above 100 BHP	94	4,698	24
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>		<b>9,245</b>	<b>1,42,060</b>	<b>922</b>
<b>LMV--9</b>	<b>(A)</b>	Metered Supply			
	(i)	Individual Residential Consumers	125	267	1
	(ii)	Others	-	-	-
	<b>(B)</b>	Un-metered Supply			
	(i)	Ceremonies	-	-	-
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>		<b>125</b>	<b>267</b>	<b>1</b>
<b>LMV--10</b>	<b>(A)</b>	Serving			
	(i)	Class IV Employees	2,648	8,022	9
	(ii)	Class III Employees	3,926	12,906	14
	(iii)	Junior Engineers & Equivalent	351	1,418	1
	(iv)	Assistant Engineers & Equivalent	106	602	1
	(v)	Executive Engineers & Equivalent	45	278	1
	(vi)	Deputy General Manager & Equivalent	6	29	0
	(vii)	CGM/GM & Equivalent posts and above	1	7	1
	<b>(B)</b>	Total Pensioner & Family Pensioner	16,470	55,229	106
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>		<b>23,553</b>	<b>78,491</b>	<b>132</b>
<b>HV--1</b>	<b>(A)</b>	Urban Schedule			
	(i)	For supply at 11kV	655	2,54,332	492
	(ii)	For supply at 33 kV & above	16	8,254	27
	<b>(B)</b>	Rural Schedule			
	(i)	For supply at 11kV	5	724	4
	(ii)	For supply at 33 kV & above	4	380	0
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>		<b>680</b>	<b>2,63,690</b>	<b>523</b>
<b>HV--2</b>	<b>(A)</b>	Urban Schedule			
	(i)	For supply at 11kV	1,001	3,13,998	858

SUPPLY TYPE	Lucknow DISCOM FY 2013-14		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(ii)	For supply above 11kV and upto & Including 66kV	126	88,335	260
	(iii)	For supply above 66kV and upto & Including 132kV	13	33,265	78
	(iv)	For supply above 132kV	3	23,500	9
	(B)	Rural Schedule			
	(i)	For supply at 11kV	125	32,166	57
	(ii)	For supply above 11kV and upto & Including 66kV	1	212	0
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>		<b>1,269</b>	<b>4,91,476</b>	<b>1,263</b>
<b>HV--3</b>	(A)	For supply at and above 132kV	5	31,100	80
	(B)	For supply below 132kV	-	-	0
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>		<b>5</b>	<b>31,100</b>	<b>80</b>
<b>HV--4</b>	(A)	For supply at 11kV	12	8,599	37
	(B)	For supply above 11kV and upto 66kV	5	12,252	67
	(C)	For supply above 66kV and upto 132kV	1	2,250	13
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>		<b>18</b>	<b>23,101</b>	<b>117</b>
<b>EXTRA STATE</b>	(A)	EXTRA STATE & OTHERS	1	5,000	62
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>		<b>1</b>	<b>5,000</b>	<b>62</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>33,34,547</b>	<b>69,35,174</b>	<b>10,711</b>

#### 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	Lucknow DISCOM FY 2014-15		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
<b>LMV--1</b>	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	7,99,618	11,57,981	1,501
	(ii)	Metered	5,85,661	5,11,918	510
	(B)	Supply at Single Point for Bulk Load	28	27,404	86
	(C1)	Other Metered Domestic Consumers	13,63,501	22,23,294	2,979



SUPPLY TYPE		Lucknow DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(C2)	Life Line Consumers/BPL	3,79,143	3,56,328	336
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>31,27,952</b>	<b>42,76,924</b>	<b>5,412</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	21,846	38,367	50
	(ii)	Metered	28,841	82,282	121
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	2,24,683	5,99,121	850
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>2,75,369</b>	<b>7,19,770</b>	<b>1,021</b>
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	3,720	15,644	56
	(ii)	Nagar Palika & Nagar Panchyat	154	650	3
	(iii)	Nagar Nigam	46	6,690	29
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	106	11,843	59
	(iii)	Nagar Nigam	67	48,646	232
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>4,092</b>	<b>83,473</b>	<b>379</b>
LMV--4	(A)	Public Institution(4 A)	16,269	1,03,614	296
	(B)	Private Institution(4 B)	2,418	29,020	75
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>18,687</b>	<b>1,32,633</b>	<b>370</b>
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	1,36,615	5,74,104	947
	(ii)	Metered Supply	1,330	8,599	23
	(B)	Urban Schedule			
	(i)	Metered Supply	6,923	33,601	132
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>1,44,868</b>	<b>6,16,304</b>	<b>1,103</b>
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	10,969	47,102	117
	(ii)	Urban Schedule	1,451	7,305	65
	(B)	Small & Medium Power			
	(i)	Rural Schedule	12,202	1,13,109	121
	(ii)	Urban Schedule	13,512	1,85,071	307
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>38,135</b>	<b>3,52,586</b>	<b>610</b>
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	284	10,759	56
	(ii)	Jal Sansthan	69	5,653	185
	(iii)	Others (Water Works)	267	10,801	79
	(B)	Urban Schedule			
	(i)	Jal Nigam	296	9,140	45
	(ii)	Jal Sansthan	701	41,001	206
	(iii)	Others (Water Works)	339	17,813	115
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>1,956</b>	<b>95,166</b>	<b>687</b>
LMV--8	(A)	Metered Supply	492	10,287	185



SUPPLY TYPE		Lucknow DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	8,886	1,34,257	570
	(ii)	Laghu Dal Nahar above 100 BHP	120	30,389	8
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>9,498</b>	<b>1,74,933</b>	<b>763</b>
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	131	421	2
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	-	-	-
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>131</b>	<b>421</b>	<b>2</b>
LMV--10	(A)	Serving			
	(i)	Class IV Employees	2,780	8,423	9
	(ii)	Class III Employees	4,005	15,467	14
	(iii)	Junior Engineers & Equivalent	365	1,647	1
	(iv)	Assistant Engineers & Equivalent	110	626	1
	(v)	Executive Engineers & Equivalent	46	284	1
	(vi)	Deputy General Manager & Equivalent	6	30	0
	(vii)	CGM/GM & Equivalent posts and above	1	7	1
	(B)	Total Pensioner & Family Pensioner	17,788	66,440	115
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>25,101</b>	<b>92,923</b>	<b>142</b>
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	721	2,79,765	587
	(ii)	For supply at 33 kV & above	18	9,079	39
	(B)	Rural Schedule			
	(i)	For supply at 11kV	5	760	11
	(ii)	For supply at 33 kV & above	4	399	0
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>748</b>	<b>2,90,004</b>	<b>637</b>
HV--2	(A)	Urban Schedule			
	(i)	For supply at 11kV	1,031	3,23,418	966
	(ii)	For supply above 11kV and upto & Including 66kV	139	97,169	451
	(iii)	For supply above 66kV and upto & Including 132kV	13	33,930	79
	(iv)	For supply above 132kV	3	23,500	28
	(B)	Rural Schedule			
	(i)	For supply at 11kV	138	35,383	72
	(ii)	For supply above 11kV and upto & Including 66kV	1	212	4
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>1,324</b>	<b>5,13,611</b>	<b>1,601</b>
HV--3	(A)	For supply at and above 132kV	5	32,655	84
	(B)	For supply below 132kV	-	-	-



SUPPLY TYPE		Lucknow 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>32,655</b>	<b>84</b>
<b>HV--4</b>	(A)	For supply at 11kV	13	9,459	41
	(B)	For supply above 11kV and upto 66kV	5	12,865	74
	(C)	For supply above 66kV and upto 132kV	1	2,250	15
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>		<b>19</b>	<b>24,574</b>	<b>129</b>
<b>EXTRA STATE</b>	(A)	EXTRA STATE & OTHERS	1	5,000	62
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>		<b>1</b>	<b>5,000</b>	<b>62</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>36,47,887</b>	<b>74,10,977</b>	<b>13,001</b>

  
 अधिशासी अभियन्ता (यापिज्य)  
 मध्यम वोल्ट विद्युत वितरण निगम लि०  
 4-ए, पाखले मार्ग, लखनऊ

## 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		Lucknow 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	6,21,925	9,00,652	1,167
		(ii)	Metered	15,64,274	13,67,308	1,395
	(B)	Supply at Single Point for Bulk Load	29	28,500	92	
	(C1)	Other Metered Domestic Consumers	14,45,311	23,56,691	3,253	
	(C2)	Life Line Consumers/BPL	4,47,389	4,20,467	406	
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)		40,78,928	50,73,618	6,313
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	23,156	40,669	53
		(ii)	Metered	34,609	98,738	148
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-	
	(C)	Other Metered Non-Domestic Supply	2,29,176	6,11,104	893	
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)		2,86,941	7,50,511	1,095
LMV--3	(A)	Un-metered Supply				
		(i)	Gram Panchyat	3,757	15,800	57
		(ii)	Nagar Palika & Nagar Panchyat	160	676	3
		(iii)	Nagar Nigam	49	7,025	30
	(B)	Metered Supply				
		(i)	Gram Panchyat	-	-	-
		(ii)	Nagar Palika & Nagar Panchyat	115	12,909	66
	(iii)	Nagar Nigam	78	56,916	280	
SUB TOTAL		PUBLIC LAMPS (LMV-3)		4,159	93,326	436
LMV--4	(A)	Public Institution(4 A)		17,571	1,11,903	328
	(B)	Private Institution(4 B)		2,612	31,341	83
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)		20,182	1,43,244	410
LMV--5	(A)	Rural Schedule				
		(i)	Un metered Supply	1,36,615	5,74,104	947



SUPPLY TYPE		Lucknow DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(ii) Metered Supply	1,663	10,749	29
	(B)	Urban Schedule			
		(i) Metered Supply	7,753	37,633	148
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>1,46,031</b>	<b>6,22,486</b>	<b>1,124</b>
LMV--6	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	12,286	52,754	134
		(ii) Urban Schedule	1,524	7,670	70
	(B)	Small & Medium Power			
		(i) Rural Schedule	13,423	1,24,419	136
		(ii) Urban Schedule	14,323	1,96,175	335
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>41,554</b>	<b>3,81,018</b>	<b>675</b>
LMV--7	(A)	Rural Schedule			
		(i) Jal Nigam	287	10,866	57
		(ii) Jal Sansthan	75	6,105	200
		(iii) Others (Water Works)	326	13,177	97
	(B)	Urban Schedule			
		(i) Jal Nigam	373	11,516	57
		(ii) Jal Sansthan	757	44,281	223
		(iii) Others (Water Works)	356	18,704	121
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>2,173</b>	<b>1,04,649</b>	<b>754</b>
LMV--8	(A)	Metered Supply	551	11,521	208
	(B)	Un-metered Supply			
		(i) STW, Panchayat Raj WB I. Duch P.C, L I upto 100 BHP	9,064	1,36,942	581
		(ii) Laghu Dal Nahar above 100 BHP	154	38,898	10
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>9,769</b>	<b>1,87,361</b>	<b>799</b>
LMV--9	(A)	Metered Supply			
		(i) Individual Residential Consumers	138	442	2
		(ii) Others	-	-	-
	(B)	Un-metered Supply			
		(i) Ceremonies	-	-	-
		(ii) Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>138</b>	<b>442</b>	<b>2</b>
LMV--10	(A)	Serving			
		(i) Class IV Employees	2,919	8,844	10
		(ii) Class III Employees	4,085	15,776	15

SUPPLY TYPE		Lucknow DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(iii) Junior Engineers & Equivalent	380	1,713	1
		(iv) Assistant Engineers & Equivalent	115	651	1
		(v) Executive Engineers & Equivalent	47	289	1
		(vi) Deputy General Manager & Equivalent	6	30	0
		(vii) CGM/GM & Equivalent posts and above	1	7	1
	(B)	Total Pensioner & Family Pensioner	19,211	71,756	128
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>26,763</b>	<b>99,066</b>	<b>156</b>
<b>HV--1</b>	(A)	Urban Schedule			
		(i) For supply at 11kV	793	3,07,742	645
		(ii) For supply at 33 kV & above	19	9,987	43
	(B)	Rural Schedule			
		(i) For supply at 11kV	6	798	11
		(ii) For supply at 33 kV & above	4	419	0
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>822</b>	<b>3,18,946</b>	<b>700</b>
<b>HV--2</b>	(A)	Urban Schedule			
		(i) For supply at 11kV	1,062	3,33,120	995
		(ii) For supply above 11kV and upto & Including 66kV	152	1,06,885	496
		(iii) For supply above 66kV and upto & Including 132kV	14	34,609	81
		(iv) For supply above 132kV	3	23,500	28
	(B)	Rural Schedule			
		(i) For supply at 11kV	151	38,921	79
		(ii) For supply above 11kV and upto & Including 66kV	1	212	4
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>1,383</b>	<b>5,37,248</b>	<b>1,684</b>
<b>HV--3</b>	(A)	For supply at and above 132kV	6	34,288	88
	(B)	For supply below 132kV	-	-	-
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>6</b>	<b>34,288</b>	<b>88</b>



SUPPLY TYPE		Lucknow DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
<b>TOTAL</b>					
HV-4	(A)	For supply at 11kV	15	10,405	45
	(B)	For supply above 11kV and upto 66kV	6	13,508	77
	(C)	For supply above 66kV and upto 132kV	1	2,250	15
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>21</b>	<b>26,163</b>	<b>137</b>
<b>EXTRA STATE</b>	(A)	<b>EXTRA STATE &amp; OTHERS</b>	<b>1</b>	<b>5,000</b>	<b>62</b>
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>1</b>	<b>5,000</b>	<b>62</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>46,18,872</b>	<b>83,77,366</b>	<b>14,435</b>

#### 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)
<b>TOTAL</b>	<b>2500000</b>	<b>2402465</b>	<b>207421</b>	<b>304658</b>

\*The above figures are at State Level

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 24.85%. The Petitioner estimates its Distribution losses at 23.86% for FY 2014-15. In the ensuing year FY 2015-16, the Petitioner has projected a Distribution loss of 22.66%. 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	14,252.93	17,076.38	18,665.23
Line Losses	MU	3,542.22	4,075.09	4,230.26
Sales	MU	10,710.70	13,001.30	14,434.97
Distribution Losses	%	24.85%	23.86%	22.66%

#### 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 01<sup>st</sup> October, 2014 and UPERC ARR & Tariff Order dated 01<sup>st</sup> October, 2014 for the balance period of financial year 2014-15.

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

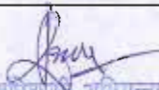
Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-I: Domestic Light, Fan & Power	2,260.51	5,412.08	4.18
(a) Consumer getting supply as per "Rural Schedule"	319.46	2,010.72	1.59

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
(b) Supply at Single Point for Bulk Loads	47.40	85.90	5.52
(c) Other Metered Domestic Consumers	1,793.88	2,979.03	6.02
(d) Life Line Consumers	99.77	336.44	2.97
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>782.43</b>	<b>1,020.84</b>	<b>7.66</b>
(a) Non-Domestic (Rural)	49.10	170.38	2.88
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c) Non-Domestic (Urban Metered)	733.33	850.46	8.62
<b>LMV-3: Public Lamps</b>	<b>238.55</b>	<b>378.73</b>	<b>6.30</b>
<b>LMV-4: Institutions</b>	<b>277.11</b>	<b>370.15</b>	<b>7.49</b>
(a) Public Institution	218.94	295.58	7.41
(b) Private Institution	58.16	74.57	7.80
<b>LMV-5: Private Tube Wells</b>	<b>139.84</b>	<b>1,102.55</b>	<b>1.27</b>
(a) Rural	71.51	970.33	0.74
(b) Urban	68.33	132.22	5.17
<b>LMV 6: Small and Medium Power</b>	<b>472.75</b>	<b>610.50</b>	<b>7.74</b>
<b>LMV-7: Public Water Works</b>	<b>476.78</b>	<b>687.40</b>	<b>6.94</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>420.33</b>	<b>763.01</b>	<b>5.51</b>
<b>LMV-9: Temporary Supply</b>	<b>1.64</b>	<b>2.02</b>	<b>8.12</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>30.59</b>	<b>141.60</b>	<b>2.16</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>525.84</b>	<b>636.97</b>	<b>8.26</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>1,119.04</b>	<b>1,600.81</b>	<b>6.99</b>
<b>HV-3: Railway Traction</b>	<b>61.61</b>	<b>83.70</b>	<b>7.36</b>
<b>HV-4: Lift Irrigation Works</b>	<b>88.60</b>	<b>129.27</b>	<b>6.85</b>
<b>Sub Total</b>	<b>6,895.63</b>	<b>12,939.65</b>	<b>5.33</b>
Bulk & Extra State	25.88	61.65	4.20
<b>Total</b>	<b>6,921.51</b>	<b>13,001.30</b>	<b>5.32</b>

#### 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

  
 अधिशासी अभियन्ता (वाणिज्य)  
 मध्यमचल विद्युत वितरण निगम लि०  
 4-ए, गांधी नगर, लखनऊ



Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	<b>2,649.19</b>	<b>6,313.15</b>	<b>4.20</b>
(a) Consumer getting supply as per "Rural Schedule"	526.17	2,561.86	2.05
(b) Supply at Single Point for Bulk Loads	50.92	92.42	5.51
(c) Other Metered Domestic Consumers	1,952.19	3,252.50	6.00
(d) Life Line Consumers	119.91	406.36	2.95
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>868.63</b>	<b>1,094.50</b>	<b>7.94</b>
(a) Non-Domestic (Rural)	58.58	201.08	2.91
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c) Non-Domestic (Urban Metered)	810.06	893.43	9.07
<b>LMV-3: Public Lamps</b>	<b>274.80</b>	<b>436.16</b>	<b>6.30</b>
<b>LMV-4: Institutions</b>	<b>306.23</b>	<b>410.25</b>	<b>7.46</b>
(a) Public Institution	241.91	327.53	7.39
(b) Private Institution	64.32	82.72	7.78
<b>LMV-5: Private Tube Wells</b>	<b>148.70</b>	<b>1,124.20</b>	<b>1.32</b>
(a) Rural	72.17	976.11	0.74
(b) Urban	76.53	148.09	5.17
<b>LMV 6: Small and Medium Power</b>	<b>519.99</b>	<b>674.71</b>	<b>7.71</b>
<b>LMV-7: Public Water Works</b>	<b>523.08</b>	<b>754.19</b>	<b>6.94</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>455.35</b>	<b>798.83</b>	<b>5.70</b>
<b>LMV-9: Temporary Supply</b>	<b>1.76</b>	<b>2.18</b>	<b>8.08</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>32.88</b>	<b>156.39</b>	<b>2.10</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>578.04</b>	<b>700.12</b>	<b>8.26</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>1,175.44</b>	<b>1,683.72</b>	<b>6.98</b>
<b>HV-3: Railway Traction</b>	<b>64.69</b>	<b>87.89</b>	<b>7.36</b>
<b>HV-4: Lift Irrigation Works</b>	<b>94.02</b>	<b>137.03</b>	<b>6.86</b>
<b>Sub Total</b>	<b>7,692.81</b>	<b>14,373.31</b>	<b>5.35</b>
Bulk & Extra State	25.88	61.65	4.20
<b>Total</b>	<b>7,718.70</b>	<b>14,434.97</b>	<b>5.35</b>

  
 अधिकाारी अधियन्ता (वाणिज्य)  
 मध्यमाल विद्युत वितरण निगम लि०  
 ४-ए, मोखले मार्ग, लखनऊ



अधिरासी अभियन्ता (वाणिज्य)  
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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 01<sup>st</sup> 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>187</b>	<b>201</b>
<b>Weighted Average of Inflation (60% *WPI+40%*CPI)</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	180	193	205
May	164	171	182	181	194	207
June	165	173	183	182	196	208
July	166	176	185	184	199	212
August	167	179	186	186	202	213
September	169	181	185	187	204	212
October	169	181		188	205	
November	169	182		188	206	
December	169	180		189	203	
January	170	179		191	202	
February	170	180		191	203	
March	171	180		192	204	
<b>Average</b>	<b>168</b>	<b>178</b>	<b>184</b>	<b>187</b>	<b>201</b>	<b>209</b>
<b>Inflation of Sept 14 over Sept 2013</b>			<b>2.21%</b>			<b>6.30%</b>
<b>Weighted Average of Inflation (60% *WPI+40%*CPI)</b>						<b>4.10%</b>

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. 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)
<b>Procurement of power from State Sector Generating Stations</b>									
<b>Thermal Stations</b>									
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	-	-	-	-	-	-	-	-	-
<b>Sub Total - Thermal</b>	<b>4933</b>	<b>25566</b>		<b>2943</b>		<b>6387</b>		<b>9330</b>	<b>3.65</b>
<b>Per unit Avg Rate of Thermal Generation</b>								<b>3.65</b>	
<b>Hydro Stations</b>									
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
<b>Sub total - Hydro</b>	<b>455</b>	<b>1195</b>		<b>84.70</b>		<b>0.00</b>		<b>84.70</b>	<b>0.71</b>
<b>Purchase Per unit Avg Rate from hydro generating stations</b>								<b>0.71</b>	
<b>Sub-Total Own generation</b>	<b>5388</b>	<b>26761</b>		<b>3,027.36</b>		<b>6,386.89</b>		<b>9,414.25</b>	<b>3.52</b>
<b>Procurement of power from Central Sector Generating Stations</b>									
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



Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Dadri Extension	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	-	-	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>
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									



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.)	
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, Jhajhjar	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. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
<b>Procurement of power from State Sector Generating Stations</b>									
<b>Thermal Stations</b>									
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



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.)	
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
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	-	-	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



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.)	
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>
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-</b>	<b>-</b>	<b>7717</b>				<b>3,831.24</b>		<b>3,831.24</b>	<b>4.96</b>



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 & Other Sources									
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. 2727.71 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
Bulk Supply Tariff (Rs./Unit)	I= (H/E)*10	4.20	4.34

Considering the aforementioned MU 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	13,001	14,435
Distribution Loss (%)	B	23.86%	22.66%
Distribution Loss (MU)	$C = A/(1-B)-A$	4,075	4,230
Power Purchase Required (MU)	$D=A+C$	17,076	18,665
Bulk Power Purchase Rate (Rs/kWh)	E	4.20	4.34
Power Purchase Cost (Rs Crore)	$F=D \times E/10$	7,175	8,109

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

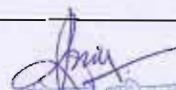
The interstate transmission charges payable by the UPPCL to PGCIL has been projected to be Rs. 2727.71 crore in the ensuing year. The PGCIL charges consequent to inter-state transmission is being levied on energy procured from NTPC, NPCIL, NHPC, SJVNL, Tehri, TALA and others. These charges have been 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.

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	17,076	18,665
Transmission Tariff (Rs/kWh)	B	0.179	0.196

  
 अधिवक्ता दक्षिण (राष्ट्रीय)  
 मध्यम विद्युत वितरण निगम लि०  
 4-ए, गौखले मार्ग, लखनऊ

Transmission Cost (Rs Crore)	C=AxB/10	305.14	366.54
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The Petitioner submits that the billing in respect of intra-state transmission charges is being done on postage stamp tariff method till the time the Allotted Transmission Capacity of Long Term Transmission System Customers (the Distribution Licensees & Bulk Customer) is not finalized. Suitable steps in this regard have been initiated at the Petitioner's end to finalize the allotted transmission capacities and once it is done the intra-state transmission charges would be claimed and paid linked with contracted transmission capacity rather than on postage stamp tariff method. The postage stamp tariff based billing poses the risk of unjust enrichment to the transmission utility as it is possible for it to recover fixed costs in excess of the costs approved by the Hon'ble Commission in its ARR order. In the interim, till the contracted capacities are finalized, it is humbly prayed with the Hon'ble Commission, that an internal adjustment bill may be allowed to be raised within the subsidiary companies at the year-end, so that the transmission utility recovers only its costs and no unjust enrichment is allowed to it on account of postage stamp tariff method based billing.

#### 7.4 OPERATION & MAINTENANCE EXPENSES

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

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

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

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

The Hon'ble Commission in its previous true-up orders had determined the O&M expenses for the base year and subsequently in the order dated 01<sup>st</sup> October in the matter of determination



of ARR and Tariff for FY 2014-15, had allowed the O&M expenses strictly in line with the Distribution Tariff Regulations, considering escalation indices and O&M expenses on new assets. The pay revision expenses were considered separately and the base employee expenses were increased to account for the increase due to wage revision.

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

In addition to the Employee expenses, A&G expenses and R&M expenses described in the succeeding section, the Distribution Tariff Regulations provide for incremental O&M expenses on addition to Gross Fixed Assets (GFA) during the year. Distribution Tariff Regulations stipulates that *“Incremental O&M expenses for the ensuing financial year shall be 2.5% of capital addition during the current year. O&M expenses for the ensuing financial year shall be sum of incremental O&M expenses so worked out and O&M expenses of current year escalated on the basis of predetermined indices as indicated in regulation 4.3 (1).”*

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

**Table 7-8: Allocation of Incremental O&M expenses for FY 2015-16 (Rs Crore)**

Incremental O&M Expenses @ 2.5% of capital additions during the (n-1)th year	FY 2014-15	FY 2015-16
Capitalized Assets in (n-1)th year	225.51	1484.04
Incremental O&M Expenses	5.64	42.88
(a) Employee Costs	3.42	26.01
(b) A&G Expenses	1.18	8.92
(c) R&M Expenses	1.04	7.96

#### 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 01<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&M Expenses for FY 2015-16 (Rs Crore)**

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
-------------	------------	------------	------------

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
<b>Employee Expenses</b>			
Gross Employee Costs and Provisions *	487.19	603.76	628.49
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	3.42	26.01
<b>Gross Employee Expenses</b>	<b>487.19</b>	<b>607.17</b>	<b>654.50</b>
Employee expenses capitalized	78.53	91.08	98.17
<b>Net Employee Expenses</b>	<b>408.66</b>	<b>516.10</b>	<b>556.32</b>
<b>A&amp;G Expenses</b>			
Gross A&G Expenses	148.62	207.89	216.41
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	1.04	7.96
<b>Gross A&amp;G Expenses</b>	<b>148.62</b>	<b>208.93</b>	<b>224.37</b>
A&G expenses capitalized	16.04	31.34	33.65
<b>Net A&amp;G Expenses</b>	<b>132.59</b>	<b>177.59</b>	<b>190.71</b>
<b>R&amp;M Expenses</b>			
Repair & Maintenance Expenditure	219.56	183.98	191.51
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	1.18	8.92
<b>Gross Repair &amp; Maintenance Expenses</b>	<b>219.56</b>	<b>185.15</b>	<b>200.43</b>
<b>Total O&amp;M Expenses Allowable as per Regulations</b>	<b>760.81</b>	<b>878.84</b>	<b>947.47</b>

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, 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)

Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total



Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Replacement of Meters					
Single Phase	152000	22.19	9.51		31.70
Three Phase	7800	3.15	1.35		4.50
LT TVM	800	0.32	0.14		0.45
11 kV TVM	300	0.13	0.06		0.19
33 kV TVM	100	0.05	0.02		0.08
11 kV Metering Cubicle	160	0.47	0.20		0.68
33 kV Metering Cubicle	40	0.16	0.07		0.23
11 kV C.T./ P.T Unit	200	0.34	0.15		0.49
33 kV C.T./ P.T Unit	80	0.11	0.05		0.15
11 kV C.T for 33 kV S/S	1000	0.50	0.21		0.71
11 kV P.T for 33 kV S/S	200	0.21	0.09		0.30
Double Metering	720	0.97	0.42		1.39
AERIAL BUNCHED CONDUCTORS	900	17.60	7.54		25.14
Construction of 11 kV Line	720	14.42	6.18		20.60
System Improvement of 11 kV Lines	2840	18.02	7.72		25.74
Construction of 11/0.4 kV Substations	1700	52.79	22.62		75.41
Capacity Enhancements of 11/0.4 kV Substations	2600	37.90	16.24		54.14
Replacement of 11kV Cable	96	9.51	4.07		13.58
Replacement of 11 kV Switchgears	700	12.13	5.20		17.33
Purchase of mobile transformer trolley -6.6./0.4 kV 400 KVA	120	4.99	2.14		7.13
		0.00	0.00		0.00
Capacity Enhancements of 33/11 kV Substations	280	88.37	37.87		126.24
Construction of 33 kV Line	480	43.73	18.74		62.46
System Improvement of 33 kV Lines	680	26.92	11.54		38.45
Construction of 33/11 kV Substations	28	42.81	18.35		61.15
Replacement of damaged / obsolete 33 kV BCV	44	1.58	0.68		2.25
Replacement of Distribution Transformers	36	1.58	0.68		2.25
Rural Electrification	28	0.18	0.08		0.26
Replacement of old and damaged poles	21600	4.04	1.73		5.78
Earthing works	6300	4.54	1.95		6.49
Replacement of old and damaged conductors	1360	2.97	1.27		4.24
Plinth & Fencing Works	1040	1.34	0.57		1.91
D.C. Battery / Battery Charger / Relay	340	1.00	0.43		1.43
Replacement of old switchgears	300	1.58	0.68		2.25



Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Construction / Replacement of LT Line	200	2.76	1.18		3.94
Guarding of Lines	1000	0.53	0.23		0.75
Other Misc Works	100	0.18	0.08		0.26
Other Misc Works	8	0.16	0.07		0.23
Construction of 11kV Feeders in Rural Areas	-	131.31	56.27		187.58
GGVY Phase I – Consultancy	-	27.59	11.83		39.42
R-APDRP Part A	-	4.54	1.95		6.49
R-APDRP Part B	-	6.64	2.84		9.48
Tehsil Town (PMC)	-	0.62	0.26		0.88
Capital Works under Vyapar Vikas Nidhi	0	196.96	84.41		281.37
Energisation of PTW	23500	104.91	44.96		149.88
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme					0.00
33/11 kV Substations under Tehsil Scheme	20	61.46	26.34		87.79
GGVY Works		8.88	3.80		12.68
R-APDRP Non SCADA Works		77.81	33.35		111.15
R-APDRP SCADA Works		297.24	127.39		424.63
Deposit Works				337.35	337.35
<b>Total</b>		<b>1338.14</b>	<b>573.49</b>	<b>337.35</b>	<b>2248.97</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. 1,782.70 crore out of which works through deposit works have been envisaged at Rs. 267.40 crore.



- The Petitioner envisages a capital investment of Rs. 2,248.97 crore in FY 2015-16 out of which works through deposit works have been envisaged at Rs. 337.35 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	1,755.09	2,220.96
Investments	B	1,782.70	2,248.97
Employee Expenses Capitalisation	C	91.08	98.17
A&G Expenses Capitalisation	D	31.34	33.65
Interest Capitalisation on Interest on long term loans	E	41.39	60.33
<b>Total Investments</b>	<b>F= A+B+C+D+E</b>	<b>3,701.60</b>	<b>4,662.09</b>
Transferred to GFA (Total Capitalisation)	G=F*40%	1,480.64	1,864.84
<b>Closing WIP</b>	<b>H= F-G</b>	<b>2,220.96</b>	<b>2,797.26</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	Derivation	FY 2014-15 Revised Estimates	FY 2015-16 ARR
Opening GFA	A	3,824.85	5,305.49
Additional to GFA during the year	B	1,480.64	1,864.84
<b>Closing GFA</b>	<b>C=A+B</b>	<b>5,305.49</b>	<b>7,170.33</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	773.31	903.60	1,078.05
Additions during the year	169.33	267.40	337.35
Less: Amortisation	39.04	92.95	127.01
<b>Closing Balance</b>	<b>903.60</b>	<b>1,078.05</b>	<b>1,288.39</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	1,114.38	1,782.70	2,248.97
Less:		-	-	-
Consumer Contribution	B	169.33	267.40	337.35
Investment funded by debt and equity	C=A-B	945.05	1,515.29	1,911.63
Debt Funded	70%	661.53	1,060.71	1,338.14
Equity Funded	30%	283.51	454.59	573.49

Thus, the Petitioner submits that out of the capital investment of Rs. 2,248.97 crore in FY 2015-16, the capital investment through deposit works would be to the tune of Rs. 337.35 crore. Balance Rs. 1,911.63 crore has been considered to be funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 1,338.14 crore or 70% of the capital investment is proposed to be funded through debt and balance 30% equivalent to Rs. 573.49 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, 2014-15 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. 489.05 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	3,824.85	5,305.49
Additional to GFA during the year	C	1,480.64	1,864.84
Depreciation on Opening GFA + Additions during the year	$D=(A*B)+(C*A/2)$	357.91	489.05

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. 92.95 crore and Rs. 127.01 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
Gross Allowable Depreciation	357.91	489.05
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	92.95	127.01
<b>Net Allowable Depreciation</b>	<b>264.95</b>	<b>362.04</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	2014-15	2015-16
Opening Loan	1,538.41	2,334.16
Loan Additions (70% of Investments)	1,060.71	1,338.14
Less: Repayments (Depreciation allowable for the year)	264.95	362.04



Particulars	2014-15	2015-16
Closing Loan Balance	2,334.16	3,310.26
Weighted Average Rate of Interest	9.29%	9.29%
Interest on long term loan	179.97	262.32
Interest Capitalisation Rate	23.00%	23.00%
Less: Interest Capitalized	41.39	60.33
<b>Net Interest Charged</b>	<b>138.58</b>	<b>201.99</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. 0.08 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 9.00% 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 2013-14 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	290.90	310.86
Additions during the year	19.96	40.54
<b>Closing Balance for Security Deposit</b>	<b>310.86</b>	<b>351.40</b>
Rate of Interest	9.00%	9.00%

Particulars	FY 2014-15	FY 2015-16
Interest Paid / Payable on Security Deposits	27.08	29.80

## 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	83.44	89.94
One-twelfth of the sum of the book value of stores, materials and supplies at the end of each month of such financial year	12.38	15.62
Receivables equivalent to 60 days average billing of Beneficiaries	1,137.78	1,268.83
<b>Gross Total</b>	<b>1,233.60</b>	<b>1,374.39</b>
Security Deposits by the beneficiaries	310.86	351.40
<b>Net Working Capital</b>	<b>922.74</b>	<b>1,022.99</b>
Rate of Interest for Working Capital	12.50%	12.50%
<b>Interest on Working Capital</b>	<b>115.34</b>	<b>127.87</b>



### 7.13 SUMMARY OF INTEREST AND FINANCE CHARGES

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

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

Particulars	FY 2014-15 (Revised Estimates)	FY 2015-16 (ARR)
Interest on Long term Loans	235.48	262.32
Interest on Working Capital Loans	103.80	127.87
<b>Sub Total</b>	<b>339.28</b>	<b>390.19</b>
Interest on Consumer Security Deposits	25.16	29.80
Bank Charges	0.13	0.08
Discount to Consumers		0.28
<b>Sub Total</b>	<b>25.29</b>	<b>30.16</b>
<b>Gross Total Interest &amp; Finance Charges</b>	<b>364.57</b>	<b>420.35</b>
Less: Capitalization of interest on Long term Loans	54.16	60.33
Interest Capitalization Rate (%)	23.00%	23.00%
<b>Net Interest &amp; Finance Charges</b>	<b>310.41</b>	<b>360.02</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.

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	6,921.51	7,718.70
Percentage of Debt allowed	2.00%	2.00%
Provision for Bad Debts	138.43	154.37

#### 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	2.90	3.13	3.25
Rental from Staff	0.05	0.05	0.05
Miscellaneous Receipts	0.20	0.22	0.23
Excess Found on physical Verification of Stores	0.01	0.01	0.01
Interest on Fixed Deposit	27.66	29.79	31.01
Rental from Staff	0.01	0.01	0.01
Other Recoveries From Consumers	0.81	0.88	0.91
<b>Total</b>	<b>31.64</b>	<b>34.08</b>	<b>35.48</b>

#### 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 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 2013-14 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. 31.61 crore and Rs. 31.98 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.939.84 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	5587.15	7175.27	8109.09
Intra-state Transmission Charges	192.41	305.14	366.54
Employee Cost (Net of Capitalization)	408.66	516.10	556.32
A&G Expense (Net of Capitalization)	132.59	177.59	190.71
Repair & Maintenance Expense	219.56	185.15	200.43
Interest & Finance Charges (Net)	953.34	281.34	360.02
Provision for Bad and Doubtful Debts	-22.04	138.43	154.37
Depreciation	129.82	264.95	362.04
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	28.94	31.61	31.98
Other Misc Expenses / Incomes	1.90	0.00	0.00
Net Prior Period Credit/Charges	15.60	0.00	0.00
<b>Total Expenses</b>	<b>7647.91</b>	<b>9075.59</b>	<b>10331.50</b>
Less: Other Income	31.64	34.08	35.48
<b>Total Annual Revenue Requirement</b>	<b>7616.27</b>	<b>9041.51</b>	<b>10296.02</b>
Revenue From Existing Tariff	4846.00	6921.51	7718.70
GoUP Subsidy	817.86	909.07	939.84
<b>Remaining Gap</b>	<b>1952.41</b>	<b>1210.93</b>	<b>1637.49</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 01<sup>st</sup> October, 2014 and the revised retail tariff was implemented after due notification. The Petitioner has evaluated a revenue gap of Rs. 1,637.49 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)**

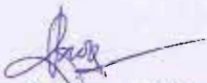
Particulars (Rs Crore)	FY 2015-16
Annual Revenue Requirement	10,296.02
Less: Revenue Subsidy from GoUP	939.84
Less: Revenue from Existing Tariff	7,718.70
<b>Revenue Gap for FY 2015-16</b>	<b>1,637.49</b>

In addition to the above, the revenue gap as per true up petitions filed for FY 2012-13 is to the tune of Rs. 2,246.70. Thus, the total revenue gap which needs to be recovered by the Petitioner from its consumers is to the tune of Rs. 3,884.19 crore along with carrying cost as shown in the table below:

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

Particulars	MVVNL
Revenue Gap as per True up Petition for 2012-13	2,246.70
Revenue Gap as per ARR for FY 2015-16	1,637.49
<b>Total</b>	<b>3,884.19</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 not be able to be passed through a revision in retail tariffs, as it may lead to massive tariff shock.

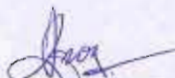
  
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9. PRAYERS

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 trueing up if any balance adjustment remains
- Allow the Petitioner an internal adjustment on account of the power purchase expense and apportionment of the O&M expenses and interest and finance charges incurred by UPPCL (being the Tradeco and holding company of the state distribution companies including the Petitioner) at the year-end, such that full cost recovery is allowed to UPPCL without imposing any impact on the ARR approved by the Hon'ble Commission.
- In the interim till the contracted capacities are finalized, it is humbly prayed that an internal adjustment bill may be allowed to be raised within the subsidiary companies at the year-end so that the transmission utility recovers only its costs and no unjust enrichment is allowed to it, on account of postage stamp tariff method based billing.
- Allow the Petitioner to claim dearness allowance on actual expenditure basis, in case the increase in rate of dearness allowance, announced by the GoUP exceeds the escalation index for the relevant year, as it is an uncontrollable cost.
- 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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## 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

  
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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.

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. / 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>



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

**ASSUMPTIONS FOR POWER PURCHASE FROM UPRVUNL - FY 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 UPRVUNL 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 UPRVUNL 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.

### 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	Power Purchase Quantum	Net Power Purchase Quantum is derived as a product of respective power plants MW capacity, plant load factor (PLF) and UP state's share in respective power plant. Further the quantum is approved as per Merit order despatch principles.
2	Fixed Charges	Fixed charges are computed after considering UP state's allocated share in respective power plant as per Regional Energy Accounting Report and Annual Report of NRPC and ERPC and



		fixed cost approved as per CERC order for respective power plants.
3	Variable Charges	Variable cost is considered as per the recent energy bills raised for the period April to September, 2014

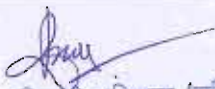
## METHODOLOGY FOR POWER PURCHASE FROM NTPC - FY 2015-16

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>

  
 अधिकांश अनियन्ता (वाणिज्य)  
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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 NRRCC 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	Power Purchase Quantum	Net Power Purchase Quantum is derived as a product of respective power plants MW capacity, capacity factor and UP state's share in respective power plant. Power sourced from these NPCIL plants is considered Must-run in Merit Order Dispatch.
2	Tariff (Single part)	Variable cost is considered as per the recent energy bills raised for the period April to September, 2014

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

S. No.	Particulars	Assumption
1	Capacity Factor	Capacity factor is considered to be the average of the capacity factor recorded at respective power stations for the last three year's (2011-12, 2012-13 and 2013-14). Capacity factors are sourced from official website of NPCIL.
2	UP State's Share in power plants	Allocation of Power from various central generating stations for FY 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, Jhahjhar	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	Power Purchase Quantum	Net Power Purchase Quantum is derived as a product of respective power plants MW capacity, capacity factor and UP state's share in respective power plant.
2	Tariff (Single part & Two part)	Variable cost is considered as per the recent energy bills raised for the period April to September, 2014

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

  
 अधिसूचित अधिसूचना (वाणिज्य)  
 मध्यम प्रदेश विद्युत निगम लि०  
 4-ए, मोरारजी नगर, लखनऊ

**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>



अभिशासी अभियन्ता (वाणिज्य)  
महाराष्ट्र विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ

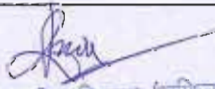


**SUMMARY OF POWER PURCHASE**

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)
<b>Procurement of power from State Sector Generating Stations</b>									
<b>Thermal Stations</b>									
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
<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
Beika & 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>									

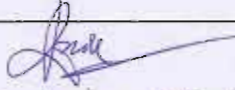
  
 अधिकासी अभियन्ता (वाणिज्य)  
 मध्यप्रदेश विद्युत विभाग निगम लि  
 4-ए, गान्धारी मार्ग, लखनऊ



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>



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.)	
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>
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>

  
 अधिचारी अभियन्ता (वाणिज्य)  
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Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Grand Total of Power Purchase	19753	108707		11,692.71		30,360.9		42,053.61	3.87



अधिराशी अतिवन्ता (मणिलज्ज)  
मण्योवतल विद्युत निगम लिमिटेड  
4-ए, गोखले मार्ग, लखनऊ



**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



अविभासी अभियन्ता (यागिज्य)  
मह्यांघल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ

**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
<b>Total Monthly Power Purchase Required</b>	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
<b>Allocation of Approved Power Purchase (MU) among Discoms</b>													
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
PVNL	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



अधिकासी अधियन्ता (मणिलज्ज)  
मन्त्रालय विद्युत विभाग, विद्या विद्या  
4-ए. मन्त्रालय मार्ग, लखनऊ



## **Annexure-1**

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

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

Summary Formats			
1	Sheet	S1	Profit & Loss Account
2	Sheet	S2	Balance Sheet
3	Sheet	S3	Cash flow statement
4	Sheet	S4	Annual Revenue Requirement
5	Sheet	S5	Information about equity and loan
6	Sheet	S6	Information about Working Capital
7	Sheet	S7	Reasonable Return
8	Sheet	S8	Energy Balance
9	Sheet	S9	Truing Up of past account
Financial Formats			
10	Sheet	F1 (a1)	Projected Consumer Numbers, Connected Load & Total Sale :FY 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 Assesment,Sales & Through Rate :FY 2014-15
36	Sheet	T4	Revenue Assesment,Sales & Through Rate :FY 2015-16
Performance Formats			
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
45	Sheet	P5	Technical Parameters
46	Sheet	P6	Abstract of outages due to tripping in HT feeders
47	Sheet	P7	Failure of Transformers
48	Sheet	P8	Billing Periodicity
50	Sheet	P10	Peak Demand
52	Sheet	P12	Debt Restructuring

  
 अधिशासी अभियन्ता (वाणिज्य)  
 मध्यमंचल विद्युत वितरण निगम लि०  
 4-ए, मोरारजी मेडल स्क्वायर



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Profit &amp; Loss Account

Form SI

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>Revenue</b>					
1	Revenue from sale of power	3821.07	3821.07	4846.00	6921.51	7718.70
2	Other Non-tariff income	17.63	17.63	31.64	34.08	35.48
3	Revenue subsidies & grants	597.28	597.28	817.86	909.07	939.84
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>4435.98</b>	<b>4435.98</b>	<b>5695.49</b>	<b>7864.66</b>	<b>8694.01</b>
<b>B</b>	<b>Expenditure*</b>					
1	Purchase of Power from own and State Generating Stations	4745.95	5274.90	5587.15	7175.27	8109.09
2	Purchase of Power from Other Sources					
3	Intra-State Transmission Charges	228.75	239.07	192.41	305.14	366.54
4	Repairs and Maintenance	157.09	157.09	219.56	185.15	200.43
5	Employee costs	515.52	515.52	487.19	607.17	654.50
6	Administration and General expenses	177.51	177.51	148.62	208.93	224.37
7	Net prior period credit charges	(102.55)	(102.55)	15.60	0.00	0.00
8	Other Debits, Write-offs	50.65	76.42	(22.04)	138.43	154.37
9	Other Misc Expenses / Incomes	1.14	1.14	1.90	0.00	0.00
10	Reasonable Return	0.00	0.00	0.00	0.00	0.00
11	Less: Expenses Capitalized	(92.84)	(92.84)	(94.57)	(122.42)	(131.83)
	Contingency Reserve	0.00	0.00	0.00	0.00	0.00
<b>C</b>	<b>PBDIT</b>	<b>(1245.24)</b>	<b>(1810.29)</b>	<b>(840.33)</b>	<b>(633.02)</b>	<b>(883.46)</b>
<b>D</b>	<b>Less Depreciation and Related debits</b>	<b>113.43</b>	<b>237.53</b>	<b>129.82</b>	<b>264.95</b>	<b>362.04</b>
<b>E</b>	<b>PBIT</b>	<b>(1358.67)</b>	<b>(2047.82)</b>	<b>(970.14)</b>	<b>(897.98)</b>	<b>(1245.50)</b>
1	Interest & Finance Charges	684.44	182.72	963.72	322.74	420.35
2	Less: Interest Capitalized	(10.10)	(10.10)	(10.38)	(41.39)	(60.33)
<b>F</b>	<b>Total Interest and Finance Charges</b>	<b>674.34</b>	<b>172.61</b>	<b>953.34</b>	<b>281.34</b>	<b>360.02</b>
<b>G</b>	<b>TOTAL EXPENDITURE</b>	<b>6468.99</b>	<b>6656.41</b>	<b>7618.98</b>	<b>9043.98</b>	<b>10299.52</b>
<b>H</b>	<b>Profit/Loss before Tax</b>	<b>(2033.01)</b>	<b>(2220.43)</b>	<b>(1923.48)</b>	<b>(1179.32)</b>	<b>(1605.51)</b>
<b>I</b>	Add: Allocation of Interest Charges and O&M of UPPCL	0.00	26.27	28.94	31.61	31.98
<b>J</b>	Add: Efficiency Gains	0.00	0.00	0.00	0.00	0.00
<b>K</b>	<b>Profit/Loss before Tax</b>	<b>(2033.01)</b>	<b>(2246.71)</b>	<b>(1952.42)</b>	<b>(1210.93)</b>	<b>(1637.49)</b>

अधिकासी अभियन्ता (वाणिज्य)  
मध्यमंचल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ

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>I. 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>					
<b>II. 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 seperately)					
	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.




अभिषेक अभियन्ता (वाणिज्य)  
मध्यमंचल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited				
Cash Flow Statement				Form No: S3
S.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15
		Audited	Provisional Accounts	Revised Estimates
<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 )			
	Diminution 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.

  
 अधिशासी अभियन्ता (वित्तिय)।  
 मध्यमंचल विद्युत वितरण निगम लि०  
 4-ए, गोखले मार्ग, लखनऊ

Name of Distribution Licensee: Madhyanchal 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>				
	Cash/ Cash equivalent as at the beginning of the year				
	Cash/ Cash equivalent as at the end of the year				

अधिसारी अभियन्ता (वाणिज्य)  
मध्यंचल विद्युत वितरण निगम लि०  
4-ए, मोरारजी नगर, लखनऊ



## Annual Revenue Requirement

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
	Power Purchase or Energy Available (MU)	13,146.66	13,146.66	14,252.93	17,076.38	18,665.23
	Sale of Power (MU)	9,880.78	9,880.78	10,710.70	13,001.30	14,434.97
	Loss %	24.84%	24.84%	24.85%	23.86%	22.66%
<b>1</b>	<b>Receipts</b>					
	Revenue from tariffs & Miscell. Charges (incl bulk sales to TPL)	3,821.07	3,821.07	4,846.00	6,921.51	7,718.70
a	Subsidy from Govt.	597.28	597.28	817.86	909.07	939.84
b	Torrent power ltd					
c	<b>Total</b>	<b>4,418.35</b>	<b>4,418.35</b>	<b>5,663.86</b>	<b>7,830.59</b>	<b>8,658.53</b>
<b>2</b>	<b>Expenditure</b>					
a	Purchase of Power	4,745.95	5,274.90	5,587.15	7,175.27	8,109.09
b	Purchase of Power from Other Sources					
c	Intra-State Transmission Charges	228.75	239.07	192.41	305.14	366.54
d	R&M Expense	157.09	157.09	219.56	185.15	200.43
e	Employee Expenses	515.52	515.52	487.19	607.17	654.50
f	A&G Expense	177.51	177.51	148.62	208.93	224.37
g	Depreciation	113.43	237.53	129.82	264.95	362.04
h	Interest & Finance Charges	684.44	182.72	963.72	322.74	420.35
i	Less: Interest & other expenses capitalised	102.95	102.95	104.94	163.81	192.16
j	Other Debits (incl. Prov for Bad debts)	50.65	76.42	22.04	138.43	154.37
k	Other Misc Expenses / Incomes	1.1383934	1.1383934	1.8987216	0	0
l	Other (Misc.)-net prior period credit	- 102.55	- 102.55	15.60	-	-
	<b>Total</b>	<b>6,468.99</b>	<b>6,656.41</b>	<b>7,618.98</b>	<b>9,043.98</b>	<b>10,299.52</b>
3(i)	Reasonable Return	-	-	-	-	-
3(ii)	Contingency Reserve					
4	Non tariff income	17.63	17.63	31.64	34.08	35.48
5	Annual Revenue Requirement (2)+(3)-(4)	6,451.36	6,638.78	7,587.34	9,009.90	10,264.05
6	Surplus(+)/ Shortfall(-) : (1)-(5) before tariff revision	(2033.01)	(2220.43)	(1923.48)	(1179.32)	(1605.51)
7	Add: Allocation of Interest Charges and O&M of UPPCL		26.27	28.94	31.61	31.98
8	Efficiency Gains					
9	Surplus(+)/ Shortfall(-) : (1)-(5) before tariff revision	(2033.01)	(2246.71)	(1952.42)	(1210.93)	(1637.49)
10	Tariff Revision Impact	-	-	-	-	-
11	Surplus(+)/ Shortfall(-) : (6)-(7) after tariff revision	(2,033.01)	(2,246.71)	(1,952.42)	(1,210.93)	(1,637.49)

  
 अधीक्षक अभियन्ता (वाणिज्य)  
 मध्यमंचल विद्युत वितरण निगम लि०  
 4-ए, गोकुल नगर, लखनऊ


Name of Distribution Licensee: Madhyanchal 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)	2,306.16	2,780.44	3,235.03	3,808.52
2	Amt. of Regulatory Loan (Rs. in crores)	1,006.69	1,538.41	2,334.16	3,310.26
3	Debt Equity Ratio	44%	55%	72%	87%



अधिराशी अभियन्ता (वाणिज्य)  
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Sr. No.	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		True-Up	Provisional Accounts	Revised Estimates	ARR
1	One month's O & M Expenses	70.84	71.28	83.44	89.94
2	One-twelfth of the sum of the book value of materials in stores at the end of each month of such financial year.	15.73	9.89	12.38	15.62
3	Receivables equivalent to 60 days average billing on consumers	628.12	796.60	1,137.78	1,268.83
	<b>Gross Total</b>	<b>714.70</b>	<b>877.77</b>	<b>1,233.60</b>	<b>1,374.39</b>
Less:					
1	Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	254.95	290.90	310.86	351.40
	<b>Net Working Capital</b>	<b>459.75</b>	<b>586.87</b>	<b>922.74</b>	<b>1,022.99</b>
	Rate of Interest on Working Capital	12.50%	12.50%	12.50%	12.50%
	<b>Normative Interest on Working Capital</b>	<b>57.47</b>	<b>73.36</b>	<b>115.34</b>	<b>127.87</b>



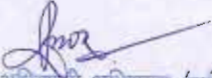
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Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

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	2,306.16	2,780.44	3,235.03	3,808.52
2	Reserves and Surplus	-7,729.58	-9,529.27	-10,740.19	-12,377.68
	<b>Total Equity</b>	<b>-5,423.42</b>	<b>-6,748.82</b>	<b>-7,505.16</b>	<b>-8,569.16</b>
	<b>Return as a % of Equity</b>				

  
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Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited		Form No: S8				
Energy Balance						
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>1</b>	<b>Purchase of Power</b>					
	Power from own Stations (if any)	13,146.66	13,146.66	14,252.93	17,076.38	18,665.23
	Power from State Stations					
	Power from Central Stations					
	Power from Other Sources					
	i.					
	ii.					
	iii.					
	<b>Total Power Available</b>	<b>13,867.60</b>	<b>13,867.60</b>	<b>15,393.51</b>	<b>18,012.82</b>	<b>19,684.91</b>
<b>2</b>	<b>Energy Sales within the state</b>					
	a) LT Sales					
	b) HT Sales					
	c) EHT Sales					
	<b>Total Energy Sales</b>	<b>9,880.78</b>	<b>9,880.78</b>	<b>10,710.70</b>	<b>13,001.30</b>	<b>14,434.97</b>
<b>3</b>	<b>Distribution Loss</b>	<b>24.84%</b>	<b>24.84%</b>	<b>24.85%</b>	<b>23.86%</b>	<b>22.66%</b>
<b>4</b>	<b>Total Transmission losses</b>	<b>5.20%</b>	<b>5.20%</b>	<b>7.41%</b>	<b>5.20%</b>	<b>5.18%</b>
<b>5</b>	<b>Tradable Power</b>	<b>13,146.66</b>	<b>13,146.66</b>	<b>14,252.93</b>	<b>17,076.38</b>	<b>18,665.23</b>

  
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## Truing Up of past accounts

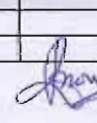
S.No	Particulars	FY 2012-13		
		Tariff Order	Audited	True-up
	Power Purchase or Energy Available (MU)	12,574.48	13,146.66	13,146.66
	Sale of Power (MU)	9,603.75	9,880.78	9,880.78
	Loss %	23.63%	24.84%	23.63%
<b>1</b>	<b>Receipts</b>			
a	Revenue from tariffs & Miscell. Charges	3998.50	3821.07	3821.07
b	Subsidy from Govt.	937.99	597.28	597.28
	<b>Total</b>	<b>4936.48</b>	<b>4418.35</b>	<b>4418.35</b>
<b>2</b>	<b>Expenditure</b>			
a	Purchase of Power	4537.76	4745.95	5274.90
b	Purchase of Power from Other Sources			
c	Intra-State Transmission Charges	218.80	228.75	239.07
d	R&M Expense	129.69	157.09	157.09
e	Employee Expenses	491.94	515.52	515.52
f	A&G Expense	35.55	177.51	177.51
g	Depreciation	265.38	113.43	237.53
h	Interest & Finance Charges	187.42	684.44	182.72
i	Less: Interest & other expenses capitalised	-88.49	-102.95	-102.95
j	Other Debits (incl. Prov for Bad debts)	0.00	50.65	76.42
k	Extraordinary Items	0.00	1.14	1.14
l	Other (Misc.)-net prior period credit	0.00	-102.55	-102.55
m	Allocation of UPPCL Charges	0.00	0.00	26.27
n	Efficiency Gains	0.00	0.00	0.00
	<b>Total</b>	<b>5778.05</b>	<b>6468.99</b>	<b>6682.68</b>
<b>3</b>	<b>Reasonable Return</b>	0.00	0.00	0.00
<b>4</b>	<b>Other Income</b>	41.49	17.63	17.63
<b>5</b>	<b>Annual Revenue Requirement (2)+(3)-(4)</b>	<b>5736.57</b>	<b>6451.35</b>	<b>6665.05</b>
<b>6</b>	<b>Surplus(+)/ Shortfall(-) : (1)-(5) before tariff revision</b>	<b>-800.08</b>	<b>-2033.00</b>	<b>-2246.70</b>
<b>7</b>	<b>Tariff Revision Impact</b>			
<b>8</b>	<b>Surplus(+)/ Shortfall(-) : (6)-(7)after tariff revision</b>	<b>-800.08</b>	<b>-2033.00</b>	<b>-2246.70</b>



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SUPPLY TYPE	CATG.	Lucknow 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	888,464	1,286,645	1,108
	(ii)	Metered	336,631	284,609	251
	(B)	Supply at Single Point for Bulk Load	27	27,145	82
	(C1)	Other Metered Domestic Consumers	1,286,322	2,097,447	2,812
	(C2)	Life Line Consumers/BPL	321,308	301,973	240
<b>SUB-TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>2,832,752</b>	<b>3,997,819</b>	<b>4,493</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	20,609	36,195	37
	(ii)	Metered	24,034	66,002	62
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	5
	(C)	Other Metered Non-Domestic Supply	220,277	587,374	829
<b>SUB-TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>264,920</b>	<b>689,571</b>	<b>933</b>
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	3,683	15,489	40
	(ii)	Nagar Palika & Nagar Panchyat	148	13,762	63
	(iii)	Nagar Nigam	44	5,275	16
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	0
	(ii)	Nagar Palika & Nagar Panchyat	97	13,510	52
	(iii)	Nagar Nigam	57	40,294	137
<b>SUB-TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>4,029</b>	<b>88,330</b>	<b>308</b>
LMV--4	(A)	Public Institution(4 A)	15,064	92,204	223
	(B)	Private Institution(4 B)	2,239	26,870	59
<b>SUB-TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>17,303</b>	<b>119,074</b>	<b>282</b>
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	136,615	574,104	603
	(ii)	Metered Supply	1,064	5,810	10
	(B)	Urban Schedule			
	(i)	Metered Supply	6,181	30,001	118
<b>SUB-TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>143,860</b>	<b>609,915</b>	<b>731</b>
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	9,794	40,305	99
	(ii)	Urban Schedule	1,382	6,957	26
	(B)	Small & Medium Power			
	(i)	Rural Schedule	11,093	102,826	93
	(ii)	Urban Schedule	12,747	163,829	271
<b>SUB-TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>35,016</b>	<b>313,917</b>	<b>489</b>
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	281	8,910	46
	(ii)	Jal Sansthan	64	5,234	25
	(iii)	Others (Water Works)	219	5,036	29
	(B)	Urban Schedule			
	(i)	Jal Nigam	235	7,254	36
	(ii)	Jal Sansthan	649	37,964	145
	(iii)	Others (Water Works)	323	16,965	93
<b>SUB-TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>1,771</b>	<b>81,363</b>	<b>374</b>
LMV--8	(A)	Metered Supply	439	6,461	45
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L.I upto 100 BHP	8,712	130,901	853
	(ii)	Laghu Dal Nahar above 100 BHP	94	4,698	24
<b>SUB-TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>9,245</b>	<b>142,060</b>	<b>922</b>
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	125	267	1
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	-	-	-
	(ii)	Temporary Shops	-	-	-
<b>SUB-TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>125</b>	<b>267</b>	<b>1</b>
LMV--10	(A)	Serving			
	(i)	Class IV Employees	2,648	8,022	9
	(ii)	Class III Employees	3,926	12,906	14
	(iii)	Junior Engineers & Equivalent	351	1,418	1
	(iv)	Assistant Engineers & Equivalent	106	602	1
	(v)	Executive Engineers & Equivalent	45	278	1
	(vi)	Deputy General Manager & Equivalent	6	29	0
	(vii)	CGM/GM & Equivalent posts and above	1	7	1
	(B)	Total Pensioner & Family Pensioner	16,470	55,229	106
<b>SUB-TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>23,553</b>	<b>78,491</b>	<b>132</b>
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	655	254,332	1602
	(ii)	For supply at 33 kV & above	16	8,254	27


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SUPPLY TYPE	CATG.	Lucknow DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Rural Schedule			
	(i)	For supply at 11kV	5	724	4
	(ii)	For supply at 33 kV & above	4	380	0
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BUEK LOADS (HV-1)</b>	<b>680</b>	<b>263,690</b>	<b>523</b>
<b>HV--2</b>	(A)	Urban Schedule			
	(i)	For supply at 11kV	1,001	313,998	858
	(ii)	For supply above 11kV and upto & Including 66kV	126	88,335	260
	(iii)	For supply above 66kV and upto & Including 132kV	13	33,265	78
	(iv)	For supply above 132kV	3	23,500	9
	(B)	Rural Schedule			
	(i)	For supply at 11kV	125	32,166	57
	(ii)	For supply above 11kV and upto & Including 66kV	1	212	0
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>1,269</b>	<b>491,476</b>	<b>1,263</b>
<b>HV--3</b>	(A)	For supply at and above 132kV	5	31,100	80
	(B)	For supply below 132kV	-	-	0
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>5</b>	<b>31,100</b>	<b>80</b>
<b>HV--4</b>	(A)	For supply at 11kV	12	8,599	37
	(B)	For supply above 11kV and upto 66kV	5	12,252	67
	(C)	For supply above 66kV and upto 132kV	1	2,250	13
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P.C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>18</b>	<b>23,101</b>	<b>117</b>
<b>EXTRA STATE</b>	(A)	EXTRA STATE & OTHERS	1	5,000	62
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>1</b>	<b>5,000</b>	<b>62</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>3,334,547</b>	<b>6,935,174</b>	<b>10,711</b>


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SUPPLY TYPE	CATG.	Lucknow 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	799,618	1,157,981	1,501
	(ii)	Metered	585,661	511,918	510
	(B)	Supply at Single Point for Bulk Load	28	27,404	86
	(C1)	Other Metered Domestic Consumers	1,363,501	2,223,294	2,979
	(C2)	Life Line Consumers/BPL	379,143	356,328	336
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>3,127,952</b>	<b>4,276,924</b>	<b>5,412</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	21,846	38,367	50
	(ii)	Metered	28,841	82,282	121
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	224,683	599,121	850
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>275,369</b>	<b>719,770</b>	<b>1,021</b>
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	3,720	15,644	56
	(ii)	Nagar Palika & Nagar Panchyat	154	650	3
	(iii)	Nagar Nigam	46	6,690	29
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	106	11,843	59
	(iii)	Nagar Nigam	67	48,646	232
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>4,092</b>	<b>83,473</b>	<b>379</b>
LMV--4	(A)	Public Institution(4 A)	16,269	103,614	296
	(B)	Private Institution(4 B)	2,418	29,020	75
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB/PRIV. INST.(LMV-4)</b>	<b>18,687</b>	<b>132,633</b>	<b>370</b>
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	136,615	574,104	947
	(ii)	Metered Supply	1,330	8,599	23
	(B)	Urban Schedule			
	(i)	Metered Supply	6,923	33,601	132
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>144,868</b>	<b>616,304</b>	<b>1,103</b>
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	10,969	47,102	117
	(ii)	Urban Schedule	1,451	7,305	65
	(B)	Small & Medium Power			
	(i)	Rural Schedule	12,202	113,109	121
	(ii)	Urban Schedule	13,512	185,071	307
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>38,135</b>	<b>352,586</b>	<b>610</b>
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	284	10,759	56
	(ii)	Jal Sansthan	69	5,653	185
	(iii)	Others (Water Works)	267	10,801	79
	(B)	Urban Schedule			
	(i)	Jal Nigam	296	9,140	45
	(ii)	Jal Sansthan	701	41,001	206
	(iii)	Others (Water Works)	339	17,813	115
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>1,956</b>	<b>95,166</b>	<b>687</b>
LMV--8	(A)	Metered Supply	492	10,287	185
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	8,886	134,257	570
	(ii)	Laghu Dal Nahar above 100 BHP	120	30,389	8
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>9,498</b>	<b>174,933</b>	<b>763</b>
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	131	421	2
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	-	-	-
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>131</b>	<b>421</b>	<b>2</b>
LMV--10	(A)	Serving			
	(i)	Class IV Employees	2,780	8,423	9
	(ii)	Class III Employees	4,005	15,467	14
	(iii)	Junior Engineers & Equivalent	365	1,647	1
	(iv)	Assistant Engineers & Equivalent	110	626	1
	(v)	Executive Engineers & Equivalent	46	284	1
	(vi)	Deputy General Manager & Equivalent	6	30	0
	(vii)	CGM/GM & Equivalent posts and above	1	7	1
	(B)	Total Pensioner & Family Pensioner	17,788	66,440	115
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>25,101</b>	<b>92,923</b>	<b>142</b>
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	721	279,765	587
	(ii)	For supply at 33 kV & above	-	9,079	39
	(B)	Rural Schedule			



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2014-15					Form No: F1(a2)	
SUPPLY TYPE	CATG.	Lucknow DISCOM FY 2014-15		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(i)	For supply at 11kV	5	760	11
		(ii)	For supply at 33 kV & above	4	399	0
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>		<b>748</b>	<b>290,004</b>	<b>637</b>
<b>HV--2</b>	<b>(A)</b>	<b>Urban Schedule</b>				
		(i)	For supply at 11kV	1,031	323,418	966
		(ii)	For supply above 11kV and upto & Including 66kV	139	97,169	451
		(iii)	For supply above 66kV and upto & Including 132kV	13	33,930	79
		(iv)	For supply above 132kV	3	23,500	28
	<b>(B)</b>	<b>Rural Schedule</b>				
		(i)	For supply at 11kV	138	35,383	72
		(ii)	For supply above 11kV and upto & Including 66kV	1	212	4
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>		<b>1,324</b>	<b>513,611</b>	<b>1,601</b>
<b>HV--3</b>	<b>(A)</b>	For supply at and above 132kV		5	32,655	84
	<b>(B)</b>	For supply below 132kV		-	-	-
	<b>(C)</b>	For Delhi Metro Rail		-	-	-
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>		<b>5</b>	<b>32,655</b>	<b>84</b>
<b>HV--4</b>	<b>(A)</b>	For supply at 11kV		13	9,459	41
	<b>(B)</b>	For supply above 11kV and upto 66kV		5	12,865	74
	<b>(C)</b>	For supply above 66kV and upto 132kV		1	2,250	15
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>		<b>19</b>	<b>24,574</b>	<b>129</b>
<b>EXTRA STATE</b>	<b>(A)</b>	<b>EXTRA STATE &amp; OTHERS</b>		<b>1</b>	<b>5,000</b>	<b>62</b>
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>		<b>1</b>	<b>5,000</b>	<b>62</b>
<b>BULK</b>	<b>(A)</b>	Torrent		-	-	-
	<b>(B)</b>	KESCO		-	-	-
<b>SUB TOTAL</b>		<b>BULK SUPPLY</b>		<b>-</b>	<b>-</b>	<b>-</b>
<b>GRAND TOTAL</b>				<b>3,647,887</b>	<b>7,410,977</b>	<b>13,001</b>


  
 अभियन्ता अभियन्ता (वाणिज्य)  
 मध्यंचल विद्युत वितरण निगम लि०  
 4-ए, गोखले मार्ग, लखनऊ



SUPPLY TYPE	CATG.	Lucknow 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	621,925	900,652	1,167
	(ii)	Metered	1,564,274	1,367,308	1,395
	(B)	Supply at Single Point for Bulk Load	29	28,500	92
	(C1)	Other Metered Domestic Consumers	1,445,311	2,356,691	3,253
	(C2)	Life Line Consumers/BPL	447,389	420,467	406
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>4,078,928</b>	<b>5,073,618</b>	<b>6,313</b>
LMV-2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	23,156	40,669	53
	(ii)	Metered	34,609	98,738	148
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	229,176	611,104	893
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>286,941</b>	<b>750,511</b>	<b>1,095</b>
LMV-3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	3,757	15,800	57
	(ii)	Nagar Palika & Nagar Panchyat	160	676	3
	(iii)	Nagar Nigam	49	7,025	30
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	115	12,909	66
	(iii)	Nagar Nigam	78	56,916	280
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>4,159</b>	<b>93,326</b>	<b>436</b>
LMV-4	(A)	Public Institution(4 A)	17,571	111,903	328
	(B)	Private Institution(4 B)	2,612	31,341	83
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>20,182</b>	<b>143,244</b>	<b>410</b>
LMV-5	(A)	Rural Schedule			
	(i)	Un metered Supply	136,615	574,104	947
	(ii)	Metered Supply	1,663	10,749	29
	(B)	Urban Schedule			
	(i)	Metered Supply	7,753	37,633	148
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>146,031</b>	<b>622,486</b>	<b>1,124</b>
LMV-6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	12,285	52,754	134
	(ii)	Urban Schedule	1,524	7,670	70
	(B)	Small & Medium Power			
	(i)	Rural Schedule	13,423	124,419	136
	(ii)	Urban Schedule	14,323	196,175	335
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>41,554</b>	<b>381,018</b>	<b>675</b>
LMV-7	(A)	Rural Schedule			
	(i)	Jal Nigam	287	10,866	57
	(ii)	Jal Sansthan	75	6,105	200
	(iii)	Others (Water Works)	326	13,177	97
	(B)	Urban Schedule			
	(i)	Jal Nigam	373	11,516	57
	(ii)	Jal Sansthan	757	44,281	223
	(iii)	Others (Water Works)	356	18,704	121
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>2,173</b>	<b>104,649</b>	<b>754</b>
LMV-8	(A)	Metered Supply	551	11,521	208
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L 1 upto 100 BHP	9,064	136,942	581
	(ii)	Laghu Dal Nahar above 100 BHP	154	38,898	10
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>9,769</b>	<b>187,361</b>	<b>799</b>
LMV-9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	138	442	2
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	-	-	-
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>138</b>	<b>442</b>	<b>2</b>
LMV-10	(A)	Serving			
	(i)	Class IV Employees	2,919	8,844	10
	(ii)	Class III Employees	4,085	15,776	15
	(iii)	Junior Engineers & Equivalent	380	1,713	1
	(iv)	Assistant Engineers & Equivalent	115	651	1
	(v)	Executive Engineers & Equivalent	47	289	1
	(vi)	Deputy General Manager & Equivalent	30	30	0
	(vii)	CGM/GM & Equivalent posts and above	1	7	1
	(B)	Total Pensioner & Family Pensioner	19,271	71,756	128
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>26,763</b>	<b>99,066</b>	<b>156</b>
HV-1	(A)	Urban Schedule			
	(i)	For supply at 11kV	793	307,742	645
	(ii)	For supply at 33 kV & above	19	9,987	43
	(B)	Rural Schedule			
	(i)	For supply at 11kV	6	798	11
	(ii)	For supply at 33 kV & above	4	419	0
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>822</b>	<b>318,946</b>	<b>700</b>



SUPPLY TYPE	CATG.	Lucknow DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
HV--2	(A)	Urban Schedule			
		(i) For supply at 11kV	1,062	333,120	995
		(ii) For supply above 11kV and upto & Including 66kV	152	106,885	496
		(iii) For supply above 66kV and upto & Including 132kV	14	34,609	81
		(iv) For supply above 132kV	3	23,500	28
	(B)	Rural Schedule			
		(i) For supply at 11kV	151	38,921	79
		(ii) For supply above 11kV and upto & Including 66kV	1	212	4
<b>SUB-TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>1,383</b>	<b>537,248</b>	<b>1,684</b>
HV--3	(A)	For supply at and above 132kV	6	34,288	88
	(B)	For supply below 132kV	-	-	-
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB-TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>6</b>	<b>34,288</b>	<b>88</b>
HV--4	(A)	For supply at 11kV	15	10,405	45
	(B)	For supply above 11kV and upto 66kV	-6	13,508	77
	(C)	For supply above 66kV and upto 132kV	1	2,250	15
<b>SUB-TOTAL</b>		<b>LIFT IRRIGATION &amp; P.C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>21</b>	<b>26,163</b>	<b>137</b>
EXTRA STATE	(A)	EXTRA STATE & OTHERS	1	5,000	62
<b>SUB-TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>1</b>	<b>5,000</b>	<b>62</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>4,618,872</b>	<b>8,377,366</b>	<b>14,435</b>

  
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 4-ए, गोखल मार्ग, लखनऊ




Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited


Revenue &amp; Capital Subsidies

Form No: F2

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>Revenue Subsidies And Grants</b>					
1	Revenue Subsidy					
2	Agriculture Subsidy	597.28	597.28	817.86	909.07	939.84
3	Subsidy adjustment against ED					
4						
5	Subsidy for Power Looms					
	<b>Sub-Total</b>	<b>597.28</b>	<b>597.28</b>	<b>817.86</b>	<b>909.07</b>	<b>939.84</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>597.28</b>	<b>597.28</b>	<b>817.86</b>	<b>909.07</b>	<b>939.84</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	597.28	597.28	817.86	909.07	939.84
3	<b>Total Subsidy Receivable</b>	<b>597.28</b>	<b>597.28</b>	<b>817.86</b>	<b>909.07</b>	<b>939.84</b>
4	Cash	597.28	597.28	817.86	909.07	939.84
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>597.28</b>	<b>597.28</b>	<b>817.86</b>	<b>909.07</b>	<b>939.84</b>
12	<b>Balance Subsidy Receivable: (3)-(12)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

  
 अधिशासी अभियन्ता (वाणिज्य)  
 मध्यमंचल विद्युत वितरण निगम लि०  
 4-ए, गोखले मार्ग, लखनऊ

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	0.01	0.01	0.01
2	Interest on fixed deposits	14.03	14.03	27.66	29.80	31.02
3	Interest from Banks other than Fixed Deposits	-	-	-	-	-
4	Interest on (any other items)	0.34	0.34	0.81	0.88	0.91
	<b>Sub-Total (A)</b>	<b>14.38</b>	<b>14.38</b>	<b>28.48</b>	<b>30.68</b>	<b>31.94</b>
<b>B</b>	<b>Non Tariff Income</b>					
1	Interest on loans and Advances to staff	0.05	0.05	0.05	0.05	0.05
2	Interest on Loans and Advances to Licensee					
3	Interest on Loans and Advances to Lessors					
4	Interest on Advances to Suppliers / Contractors	1.49	1.49	2.90	3.13	3.25
5	Income from Trading					
6	Gain on Sale of Fixed Assets					
7	Miscellaneous receipts	1.71	1.71	0.20	0.22	0.23
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					
16	Less: Any other rebates					
	<b>Sub-Total (B)</b>	<b>3.25</b>	<b>3.25</b>	<b>3.15</b>	<b>3.40</b>	<b>3.53</b>
	<b>Total</b>	<b>17.63</b>	<b>17.63</b>	<b>31.64</b>	<b>34.08</b>	<b>35.48</b>

  
 अधिकासी अभियन्ता (वाणिज्य)  
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 4-ए, मोखले मार्ग, लखनऊ




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/Line 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	%												
1	MW	2	3	4	Rs Cr	MU	MU	MU	p/u	p/u	p/u	p/u	p/u	p/u	p/u
April					5	6	7	9	10	11	12	13	14	15	16
May															
June															
July															
August															
September															
October															
November															
December															
January															
February															
March															
TOTAL								14252.93							
Arrear Bills for the past period due to revision of energy account/ tariff revision															
Total Cost															

  
 अधिवासी अधिकारी (वित्तिय) विद्युत वितरण निगम लिमिटेड  
 4-ए, गंडारी मार्ग, लखनऊ




Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited									
Details of Monthly Electricity Purchases from different Generating Stations - FY 2014-15								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.)	
<b>Procurement of power from State Sector Generating Stations</b>									
<b>Thermal Stations</b>									
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
<b>Sub total - Thermal</b>	<b>4,933</b>	<b>25,566</b>	<b>0.00</b>	<b>2,943</b>	<b>0.00</b>	<b>6,387</b>	<b>0.00</b>	<b>9,330</b>	<b>3.65</b>
<b>Per unit Avg Rate of Thermal Generation</b>								<b>3.65</b>	
<b>Hydro Stations</b>									
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
<b>Sub total - Hydro</b>	<b>455</b>	<b>1,195</b>		<b>85</b>				<b>85</b>	<b>0.71</b>
<b>Purchase Per unit Avg Rate from hydro generating stations</b>								<b>0.71</b>	
<b>Sub-Total Own generation</b>	<b>5388</b>	<b>26761</b>		<b>3,027.36</b>		<b>6,386.89</b>		<b>9,414.25</b>	<b>3.52</b>
<b>Procurement of power from Central Sector Generating Stations</b>									
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
<b>Sub-Total NTPC</b>	<b>4,197</b>	<b>29,724</b>	<b>0.00</b>	<b>2,551</b>	<b>0.00</b>	<b>7,127</b>	<b>0.00</b>	<b>9,678</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

  
 अधिसूचना अधिनियम (संशोधन)  
 मध्यप्रदेश विद्युत वितरण निगम लि.  
 4-ए, मोखले मार्ग, लखनऊ

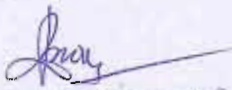


Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited									
Details of Monthly Electricity Purchases from different Generating Stations - FY 2014-15								Form No: F4a	
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	51	221	2.49	55	1.75	39	4.24	94	4.24
Parbati ST-III	140	514	1.05	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, Jhajhjar	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>

  
 अधिशासी अधिकारी (प्राधिकृत)  
 मध्यमंचल विद्युत वितरण निगम लि०  
 4-ए, मोखले मार्ग, लखनऊ




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.)	
<b>Procurement of power from State Sector Generating Stations</b>									
<b>Thermal Stations</b>									
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
<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	0.00	-	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
<b>Sub total - Hydro</b>	<b>455</b>	<b>1,195</b>	<b>0.00</b>	<b>88</b>	<b>0.00</b>	<b>-</b>	<b>0.00</b>	<b>88</b>	<b>0.74</b>
<b>Purchase Per unit Avg Rate from hydro generating stations</b>								<b>0.74</b>	
<b>Sub-Total Own</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
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
<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

  
 अधिशासी अभियन्ता (वाणिज्य)  
 मध्यांचल विद्युत वितरण निगम लि०  
 4-ए, गोखले मार्ग, लखनऊ



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>
NATPA 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
Koteshwar	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, 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>4.289657</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


  
 अधिष्ठात्री अभियन्ता (वाणिज्य)  
 मध्यमंचल विद्युत वितरण निगम लि  
 4-ए, गोखले मार्ग, लखनऊ

Name of Distribution Licensee: Madhyanchal 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	Transmission charges/unit
			(MU)	MW	MW	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.
1	UPPTCL	FY 2013-14	14,252.93			192.41	-	192.41	0.135
2	UPPTCL	FY 2014-15	17,076.38			305.14	-	305.14	0.179
3	UPPTCL	FY 2015-16	18,665.23			366.54	-	366.54	0.196
4									
5									
6									
7									
8									
9									

  
 अधिकाशी अमिक्ता (अमिक्ता)  
 मध्यचल विद्युत वितरण निगम लि.  
 4-ए, गार्डन रोड, लखनऊ



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Repair &amp; 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	54.55	54.55	71.94	63.88	66.50
2	Building	8.63	8.63	12.66	10.11	10.52
3	Civil Works	0.12	0.12	0.49	0.14	0.14
4	Hydraulic Works		-		-	-
5	Transformers		-		-	-
6	Lines, Cables Net Works etc.	93.28	93.28	132.38	109.25	113.72
7	Vehicles	0.24	0.24	1.83	0.28	0.29
8	Furniture and Fixtures	0.00	0.00	0.06	0.00	0.00
9	Office Equipments	0.27	0.27	0.19	0.32	0.33
10	Transportation				-	-
11	Sub station maintenance by private agencies				-	-
12	Any other items (Capitalisation)				-	-
	Additional R&M(@2.5% of incremental GFA)				1.18	8.92
	<b>Total</b>	<b>157.09</b>	<b>157.09</b>	<b>219.56</b>	<b>185.15</b>	<b>200.43</b>



अधिकाारी अभियन्ता (वाणिज्य)  
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4-ए, गोखले मार्ग, कलकत्ता


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	189.83	189.83	189.85	222.33	231.43
2	Dearness Allowance	122.57	122.57	142.75	143.55	149.43
3	Other Allowances & Relief	16.63	16.63	15.53	19.47	20.27
4	Bonus/Exgratia	5.42	5.42	3.24	6.35	6.61
5	Medical Expenses Reimbursement	3.97	3.97	3.18	4.65	4.84
6	Leave Travel Assistance	-	-	0.00	-	-
7	Earned Leave Encashment	125.00	125.00	70.47	146.39	152.39
8	Compensation	0.16	0.16	0.17	0.19	0.20
9	Staff Welfare Expenses	2.78	2.78	0.92	3.26	3.39
10	Pension and gratuity	42.75	42.75	52.52	50.06	52.12
11	Other Terminal benefits	6.41	6.41	8.57	7.51	7.81
12	Expenditure on trust					
13	Any other employee expenses					
14	Arrear of Pay Commission/Time Scale					
15	Additional employee Expenses(@2.5% of incremental GFA)				3.42	26.01
	<b>Grand Total</b>	<b>515.52</b>	<b>515.52</b>	<b>487.19</b>	<b>607.17</b>	<b>654.50</b>
	Employee expenses capitalized	79.47	79.47	78.53	91.08	98.17
	<b>Net employee expenses</b>	<b>436.06</b>	<b>436.06</b>	<b>408.66</b>	<b>516.10</b>	<b>556.32</b>



अधिसारी अभियन्ता (वाणिज्य)  
मध्यमंचल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ



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)	0.27	0.27	0.24	0.32	0.33
2	Insurance of employees, assets, legal liability	0.19	0.19	0.18	0.22	0.23
3	Revenue Stamp Expenses Account					
4	Telephone, Postage, Telegram, Internet Charges	2.73	2.73	2.60	3.20	3.33
5	Incentive & Award To Employees/Outsiders					
6	Consultancy Charges	1.44	1.44	0.24	1.68	1.75
7	Travelling	3.17	3.17	3.95	3.71	3.86
8	Technical Fees	0.02	0.02	0.16	0.02	0.02
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>7.82</b>	<b>7.82</b>	<b>7.38</b>	<b>9.15</b>	<b>9.53</b>
B)	<b>Other Charges</b>					
1	Fee And Subscriptions (Books And Periodicals)					
2	Printing And Stationery	1.75	1.75	2.21	2.05	2.14
3	Advertisement Expenses	1.70	1.70	2.32	1.99	2.07
4	Contributions/Donations To Outside Institute / Association					
5	Electricity Charges To Offices	136.57	136.57	109.36	159.95	166.50
6	Water Charges	0.31	0.31	0.12	0.36	0.37
7	Consultancy expenses /Any Study related expenses					
8	Miscellaneous Expenses	27.80	27.80	24.79	32.56	33.89
9	Expenses on Public Interaction Program				-	-
10	Any Other expenses	0.00	0.00	0.01	0.00	0.00
	<b>Sub-Total of other charges</b>	<b>168.14</b>	<b>168.14</b>	<b>138.80</b>	<b>196.91</b>	<b>204.98</b>
C)	<b>Legal Charges</b>	1.18	1.18	2.13	1.38	1.44
D)	<b>Auditor'S Fee</b>	0.38	0.38	0.31	0.44	0.46
E)	<b>Frieght - Material Related Expenses</b>					
F)	<b>Other Departmental Charges</b>					
	Additional A&G expenses(@2.5% of incremental GFA)				1.04	7.96
G)	<b>Total Charges</b>	<b>177.51</b>	<b>177.51</b>	<b>148.62</b>	<b>208.93</b>	<b>224.37</b>
H)	<b>Expenses capitalized</b>	<b>13.37</b>	<b>13.37</b>	<b>16.04</b>	<b>31.34</b>	<b>33.65</b>
I)	<b>Net Administrative and General expenses</b>	<b>164.13</b>	<b>164.13</b>	<b>132.59</b>	<b>177.59</b>	<b>190.71</b>

  
 अधिशासी अभियन्ता (सांख्यिक)  
 मध्यमचल विद्युत वितरण निगम लि०  
 4-ए, मोखले मार्ग, रायचनक

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited  
Fixed Assets and Provision for Depreciation

Sl.No	Particulars	Gross Fixed Assets			Provision For Depreciation			Net Fixed Assets				
		At Beginning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Beginning of Year	Addition During Year	Adjustments & Deduction	At End of Year	At The beginning 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 augmentation											
	c. Others											
12	Assets taken over & pending final valuation											
13	Transfer Schemes											
	Total (1 to 13)	3,621.99	316.10	338.69	3,599.34	7.84%		283.07	45.54	237.53		
	Less: Dep on Assets Capitalized through Consumer Contribution											
	Net Depreciation											

अधिकासी अभिपना (सामान्य)  
मध्यमचल विद्युत वितरण निगम लि०  
4-ए. गोखले मार्ग, लखनऊ



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited  
Fixed Assets and Provision for Depreciation

Form No: F8

Sl.No	Particulars	Gross Fixed Assets			Rate of Depreciation	Provision for Depreciation			Net Fixed Assets		
		At Beginning of Year	Addition During Year	Adjustments & Deduction		At End of Year	At Beginning of Year	Addition During Year	Adjustments & Deduction	At End of Year	At The beginning 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 augmentation										
	c. Others										
12	Assets taken over & pending final valuation										
13	Transfer Schemes										
	Total (1 to 13)	3,599.34	665.46	439.95	3,824.85	7.84%	291.03	45.54	245.48		
	Less: Dep on Assets Capitalized through Consumer Contribution										
	Net Depreciation										

अधिकाारी अधिगणता (अधिगणता)  
अधिकाारी अधिगणता अधिगणता  
4-ए. अधिगणता अधिगणता

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Fixed Assets and Provision for Depreciation

Form No. F8

FY 2014-15

Sl.No	Particulars	Gross Fixed Assets			Provision For Depreciation			Net Fixed Assets				
		At Beginning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Beginning of Year	Addition During Year	Adjustments & Deduction	At End of Year	At the Beginning 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)	3,824.85	1,480.64		5,305.49	7.84%		357.91		92.95	264.95	
	Less: Dep on Assets Capitalized through Consumer Contribution											
	Net Depreciation											

अधिकासी अधिकारता (वाणिज्य)  
ग्यावत विद्युत वितरण निगम लिमि  
4-ए. गोडले मार्ग, लखनऊ



Name of Distribution Licensee: Madhyanchal Vidut Vitran Nigam Limited

Fixed Assets and Provision for Depreciation

Form No: PS

Sl.No	Particulars	FY 2015-16												
		Gross Fixed Assets					Provision For Depreciation			Net Fixed Assets				
		At Beginning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Beginning of Year	Addition During Year	Adjustments & Deduction	At End 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)	5,305.49	1,864.84		7,170.33	0.08				489.05		127.01		3,62.04
	Less: Dep on Assets Capitalized through Consumer Contribution													
	Net Depreciation													

अधिकाारी अभिकर्ता (वाणिज्य)  
मध्यांचल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ

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	162.21	116.00	370.64	179.97	262.32
	Interest on Working Capital	512.98	57.47	574.79	115.34	127.87
	<b>Total Interest Charges</b>	<b>675.19</b>	<b>173.47</b>	<b>945.42</b>	<b>295.32</b>	<b>390.19</b>
	<b>Finance Charges</b>					
	Interest to Consumers	9.14	9.14	17.98	27.08	29.80
	Bank Charges	0.11	0.11	0.07	0.07	0.08
	Discount to Consumers	-	-	0.25	0.27	0.28
	Finance Charges/Guarantee fees	-	-	-	-	-
	<b>Total Finance Charges</b>	<b>9.25</b>	<b>9.25</b>	<b>18.30</b>	<b>27.42</b>	<b>30.16</b>
	<b>Gross Interest and Finance Charges</b>	<b>684.44</b>	<b>182.72</b>	<b>963.72</b>	<b>322.74</b>	<b>420.35</b>
	IDC	10.10	10.10	10.38	41.39	60.33
	<b>Net Interest and Finance Charges</b>	<b>674.34</b>	<b>172.61</b>	<b>953.34</b>	<b>281.34</b>	<b>360.02</b>

अविशारी अभियन्ता (वाणिज्य)  
मध्यमंचल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited		Form No: F9 (a)	
Particulars	Domestic loans, bonds and financial leasing (Normative Loans)		Closing Balances as on March 31, 2013
	Opening Balance at the beginning as on April 1, 2012	Interest	
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr
Long Term Loans			
Go UP (T/Scheme)			
Go UP-APDRP			
Go UP World Bank			
UPSIDCL			
Fludco			
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>1,149.19</b>	<b>95.03</b>	<b>1,006.69</b>
		<b>237.53</b>	<b>116.00</b>
			<b>10.76%</b>

*[Signature]*  
 Director  
 Madhyanchal Vidyut Vitran Nigam Limited  
 Bhopal

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited										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		
	Amt Rs. Cr		Amt Rs. Cr		Amt Rs. Cr		Amt Rs. Cr	Rate %	Amt Rs. Cr		
<b>In Rs Crore</b>											
<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>1,006.69</b>								<b>1,538.41</b>	

  
 अधिशासी अभियन्ता (वाणिज्य)  
 मध्यमंचल विद्युत वितरण निगम लि।  
 4-ए, गोखले मार्ग, रायचौक



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

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	
	Amt Rs. Cr		Amt Rs. Cr		Amt Rs. Cr		Amt Rs. Cr	Rate %		Amt Rs. Cr
<b>In Rs Crore</b>										
<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>		1,538.41		1,060.71		264.95		179.97	9.29%	2,334.16

*[Signature]*  
 अधिकाारी अभियन्ता (वाणिज्य)  
 मध्यान्चल विद्युत वितरण निगम लि  
 4-ए, गणेश मार्ग, लखनऊ

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited		Form No: F9 (a)				
Particulars	Domestic loans, bonds and financial leasing (Normative Loans)		Closing Balances as on March 31, 2016			
	Opening Balance at the beginning as on April 1, 2015	Amount received during the year		Principal repayment during the year		
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr			
			Rate %			
<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>2,334.16</b>	<b>1,338.14</b>	<b>362.04</b>	<b>262.32</b>	<b>9.29%</b>	<b>3,310.26</b>

  
 अधिकारी अभियन्ता (सिपिआर)  
 मध्यंचल विद्युत वितरण निगम लि  
 4-ए, गोकुले मार्ग, लखनऊ



Name of Distribution Licensee: Madhyanchal 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	10.10	10.10	10.38	41.39	60.33
2	Other expenses capitalised:					
	a. Employee expenses	79.47	79.47	78.53	91.08	98.17
	b. R&M Expenses					
	c. A&G Expenses	13.37	13.37	16.04	31.34	33.65
	d. Others, if any					
	<b>Total of 2</b>	<b>92.84</b>	<b>92.84</b>	<b>94.57</b>	<b>122.42</b>	<b>131.83</b>
	<b>Grand Total</b>	<b>102.95</b>	<b>102.95</b>	<b>104.94</b>	<b>163.81</b>	<b>192.16</b>



अविशारी अभियन्ता (वाणिज्य)  
मध्यंचल विद्युत वितरण निगम लि०  
४-ए, गोखलं मार्ग, लखनऊ

Name of Distribution Licensee: Madhyanchal 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 Writte Off					
3	Bad Debt Written Off/Provided For	50.65	76.42	- 22.04	138.43	154.37
4	Cost Of Trading & Manufacturing Activities					
5	Net Prior Period Credit/Charges	-102.55	-102.55	15.60	0.00	0.00
6	<b>Sub-Total</b>	<b>- 51.90</b>	<b>- 26.13</b>	<b>- 6.44</b>	<b>138.43</b>	<b>154.37</b>
7	Less Chargeable To Capital Expense					
	<b>Net Chargeable To Revenue</b>	<b>(51.90)</b>	<b>(26.13)</b>	<b>(6.44)</b>	<b>138.43</b>	<b>154.37</b>

अधिकाारी अभियन्ता (वाणिज्य)  
मध्यांचल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ



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	5,578.20
2	Revenue billed for the year	3,821.07	4,846.00	6,921.51	7,718.70
3	Collection for the year	2,881.15	4,386.85	5,883.29	6,560.89
	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	5,578.20	6,736.01
5	Receivables against permanently disconnected consumers				
6	Receivables(4-5)	3,821.07	4,846.00	6,921.51	7,718.70
7	% of provision	2.00%	2.00%	2.00%	2.00%
8	Provision for bad and doubtful debts	76.42	(22.04)	138.43	154.37



अधिकाारी अभियन्ता (वाणिज्य)  
मध्यांचल विद्युत वितरण निगम लि०  
४-ए, गोखले मार्ग, लखनऊ

Name of Distribution Licensee: Madhyanchal 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>					



अभिशापी अभियन्ता (सांख्यिक्य)  
मध्यांचल विद्युत वितरण निगम लि.  
4-ए, गौखले मार्ग, लखनऊ



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
<b>A</b>	<b>Income relating to previous years:</b>					
1	Interest income for prior periods					
2	Income Tax prior period					
3	Excess Provision for Depreciation					
4	Excess Provision for Interest and Fin. Charges					
5	Receipts from consumers					
6	Other Excess Provision					
7	Others	1.35	1.35	-		
	<b>Sub-Total A</b>	<b>1.35</b>	<b>1.35</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>B</b>	<b>Expenditure relating to previous years</b>					
1	Power Purchase					
2	Operating Expenses	-39.20	-39.20	0.22		
3	Excise Duty on generation					
4	Employee Cost	32.58	32.58	15.12		
5	Depreciation	-80.00	-80.00	-		
6	Interest and Finance Charges	-29.89	-29.89	-		
7	Admn. Expenses	15.31	15.31	0.26		
8	Withdrawal of Revenue Demand					
9	Material Related					
10	Others					
	<b>Sub-Total B</b>	<b>-101.20</b>	<b>-101.20</b>	<b>15.60</b>	<b>0.00</b>	<b>0.00</b>
	<b>Net prior period Credit/(Charges) : A-B</b>	<b>-102.55</b>	<b>-102.55</b>	<b>15.60</b>	<b>0.00</b>	<b>0.00</b>

  
 अधिकासी अधिकता (कानिपय)  
 मध्यमंचल विद्युत वितरण निगम लि०  
 4-ए, गोकुल नगर, लखनऊ

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Contributions, Grants and subsidies towards Cost of Capital Assets

Form No: FT5

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)	773.31	130.29	903.60	174.45	1,078.05	210.33	1,288.39
2	Consumer Contribution towards Metering Systems							
3	Others							
	<b>Sub-Total</b>	<b>773.31</b>	<b>130.29</b>	<b>903.60</b>	<b>174.45</b>	<b>1,078.05</b>	<b>210.33</b>	<b>1,288.39</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>773.31</b>	<b>130.29</b>	<b>903.60</b>	<b>174.45</b>	<b>1,078.05</b>	<b>210.33</b>	<b>1,288.39</b>

  
 अधिकाारी अधिकाारी (अधिकाारी)  
 अधिकाारी अधिकाारी अधिकाारी  
 अधिकाारी अधिकाारी अधिकाारी



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Statement of Assets Not in Use

Form No: F17

Sl. No.	Financial Year* Date of Acquisition/Installation	Historical Cost/Cost of Acquisition	Date of withdrawal operations	Accumulated Depreciation on date of withdrawal	Written down value on date of withdrawal
	NIL				

\*Note:- Information to be provided for Previous Year, Current Year & Ensuing Year

  
अधिसारी अभियन्ता (वाणिज्य)  
मध्यमंचल विद्युत वितरण निगम लि.  
२०१७

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Investments in Non business related activities

Form No: F18

Sl.No.	Description of investment	Balance at the beginning of the year	Further Investments during the year	Investments realised during the year	Balance at the end of the year	Remarks
	NIL					

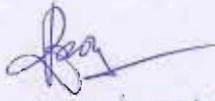
\*Note:- Information to be provided for Previous Year, Current Year & Ensuing Year

  
अविशाली अभियन्ता (वाणिज्य)  
मध्यांचल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited				
Current Assets & Liabilities				Form No: F19
Sl.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15
<b>A</b>	<b>Current Assets, Loans and Advances</b>			
	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>			

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.


  
 अधिशासी अभियन्ता (वाणिज्य)  
 मध्यमंचल विद्युत वितरण निगम लि०  
 4-ए, गोखले मार्ग, लखनऊ

Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Replacement of Meters					
Single Phase	38000	5.72	2.45		8.18
Three Phase	1950	0.81	0.35		1.16
LT TVM	200	0.08	0.03		0.12
11 kV TVM	75	0.03	0.01		0.05
33 kV TVM	25	0.01	0.01		0.02
11 kV Metering Cubicle	40	0.12	0.05		0.17
33 kV Metering Cubicle	10	0.04	0.02		0.06
11 kV C.T./P.T Unit	50	0.09	0.04		0.13
33 kV C.T./ P.T Unit	20	0.03	0.01		0.04
11 kV C.T for 33 kV S/S	250	0.13	0.06		0.18
11 kV P.T for 33 kV S/S	50	0.05	0.02		0.08
Double Metering	180	0.25	0.11		0.36
Aerial Bunch Conductors	225	4.54	1.94		6.48
Construction of 11 kV Line	180	3.72	1.59		5.31
System Improvement of 11 kV Lines	710	4.65	1.99		6.64
Construction of 11/0.4 kV Substations	425	13.61	5.83		19.45
Capacity Enhancement of 11/0.4 kV Substations	650	9.77	4.19		13.96
Replacement of 11kV Cable	24	2.45	1.05		3.50
Replacement of 11 kV Switchgears	175	3.13	1.34		4.47
Purchase of mobile transformer trolley -6.6/0.4 kV 400 KVA	30	1.29	0.55		1.84
	0	0.00	0.00		0.00
Capacity Enhancement of 33/11 kV Substations	70	22.79	9.77		32.56
Construction of 33 kV Line	120	11.28	4.83		16.11
System Improvement of 33 kV Lines	170	6.94	2.98		9.92
Construction of 33/11 kV Substations	7	11.04	4.73		15.77
Replacement of damaged / obsolete 33 kV BCV	11	0.41	0.17		0.58
Replacement of Distribution Transformers	9	0.41	0.17		0.58
Rural Electrification	7	0.05	0.02		0.07
Replacement of old and damaged poles	5400	1.04	0.45		1.49
Earthing works	1575	1.17	0.50		1.67
Replacement of old and damaged conductors	340	0.77	0.33		1.09
Plinth & Fencing Works	260	0.35	0.15		0.49
D.C. Battery / Battery Charger / Relay	85	0.26	0.11		0.37
Replacement of old switchgears	75	0.41	0.17		0.58
Construction / Replacement of LT Line	50	0.71	0.30		1.02
Guarding of Lines	250	0.14	0.06		0.19
Other Misc Works	25	0.05	0.02		0.07
Other Misc Works	2	0.04	0.02		0.06
Construction of 11kV Feeders in Rural Areas	-	67.74	29.03		96.76
RGGVY Phase I - Consultancy	-	9.49	4.07		13.56
R-APDRP Part A	-	4.69	2.01		6.70
R-APDRP Part B	-	7.85	3.36		11.21
Tehsil Town (PMC)	-	2.01	0.86		2.87
Capital Works under Vyapar Vikas Nidhi	0	141.31	60.56		201.87
Energisation of PTW	11750	54.12	23.19		77.32
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme	515	63.61	27.26		90.88
33/11 kV Substations under Tehsil Scheme	66	201.43	86.33		287.76
RGGVY Works	0	9.16	3.92		13.08
R-APDRP Non SCADA Works	0	93.68	40.15		133.83
R-APDRP SCADA Works	0	297.24	127.39		424.63
Deposit Works	0	0.00	0.00	267.40	267.40
<b>Total</b>		<b>1060.71</b>	<b>454.59</b>	<b>267.40</b>	<b>1782.70</b>

  
 अधिशासी अभियन्ता (वाणिज्य)  
 मध्यंचल विद्युत वितरण निगम लि.  
 4-ए, गोखले मार्ग, लखनऊ



Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Replacement of Meters					
Single Phase	152000	22.19	9.51		31.70
Three Phase	7800	3.15	1.35		4.50
LT TVM	800	0.32	0.14		0.45
11 kV TVM	300	0.13	0.06		0.19
33 kV TVM	100	0.05	0.02		0.08
11 kV Metering Cubicle	160	0.47	0.20		0.68
33 kV Metering Cubicle	40	0.16	0.07		0.23
11 kV C.T./ P.T Unit	200	0.34	0.15		0.49
33 kV C.T./ P.T Unit	80	0.11	0.05		0.15
11 kV C.T for 33 kV S/S	1000	0.50	0.21		0.71
11 kV P.T for 33 kV S/S	200	0.21	0.09		0.30
Double Metering	720	0.97	0.42		1.39
Aerial Bunch Conductors	900	17.60	7.54		25.14
Construction of 11 kV Line	720	14.42	6.18		20.60
System Improvement of 11 kV Lines	2840	18.02	7.72		25.74
Construction of 11/0.4 kV Substations	1700	52.79	22.62		75.41
Capacity Enhancement of 11/0.4 kV Substations	2600	37.90	16.24		54.14
Replacement of 11kV Cable	96	9.51	4.07		13.58
Replacement of 11 kV Switchgears	700	12.13	5.20		17.33
Purchase of mobile transformer trolley -6.6./0.4 kV 400 KVA	120	4.99	2.14		7.13
	0	0.00	0.00		0.00
Capacity Enhancement of 33/11 kV Substations	280	88.37	37.87		126.24
Construction of 33 kV Line	480	43.73	18.74		62.46
System Improvement of 33 kV Lines	680	26.92	11.54		38.45
Construction of 33/11 kV Substations	28	42.81	18.35		61.15
Replacement of damaged / obsolete 33 kV BCV	44	1.58	0.68		2.25
Replacement of Distribution Transformers	36	1.58	0.68		2.25
Rural Electrification	28	0.18	0.08		0.26
Replacement of old and damaged poles	21600	4.04	1.73		5.78
Earthing works	6300	4.54	1.95		6.49
Replacement of old and damaged conductors	1360	2.97	1.27		4.24
Plinth & Fencing Works	1040	1.34	0.57		1.91
D.C. Battery / Battery Charger / Relay	340	1.00	0.43		1.43
Replacement of old switchgears	300	1.58	0.68		2.25
Construction / Replacement of LT Line	200	2.76	1.18		3.94
Guarding of Lines	1000	0.53	0.23		0.75
Other Misc Works	100	0.18	0.08		0.26
Other Misc Works	8	0.16	0.07		0.23
Construction of 11kV Feeders in Rural Areas	-	131.31	56.27		187.58
RGGVY Phase I - Consultancy	-	27.59	11.83		39.42
R-APDRP Part A	-	4.54	1.95		6.49
R-APDRP Part B	-	6.64	2.84		9.48
Tehsil Town (PMC)	-	0.62	0.26		0.88
Capital Works under Vyapar Vikas Nidhi	0	196.96	84.41		281.37
Energisation of PTW	23500	104.91	44.96		149.88
Electrification of villages under Dr. Ram Manohar Lohia Samagra Vikas Yojna Scheme	0	0.00	0.00		0.00
33/11 kV Substations under Tehsil Scheme	20	61.46	26.34		87.79
RGGVY Works	0	8.88	3.80		12.68
R-APDRP Non SCADA Works	0	77.81	33.35		111.15
R-APDRP SCADA Works	0	297.24	127.39		424.63
Deposit Works	0	0.00	0.00	337.35	337.35
<b>Total</b>		<b>1338.14</b>	<b>573.49</b>	<b>337.35</b>	<b>2248.97</b>

  
 अधिशासी अभियन्ता (वाणिज्य)  
 मध्यंचल विद्युत वितरण निगम लि०  
 4-ए, गोखले मार्ग, लखनऊ

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Capital Formation During FY 2013-14

Additional Form

Detail	Balance 31-Mar-13 (1)	Investments (2)	Cap interest (3)	Cap expenses (4)	To GFA (5)	Depreciation (6)	Balance 31-Mar-14 (7)
Gross Fixed Assets	3,599.3	665.5	439.9			7.84%	3,824.9
Depreciation							291.0
Work in Progress	1,201.2	1,114.4	78.5	16.0	665.5		1,744.7

  
 अधिकाारी अधिवक्ता (वित्तिक)   
 मध्यचल विद्युत वितरण निगम लिमिटेड   
 4-ए, गणेशजी मार्ग, लखनऊ



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Capital Formation During FY 2015-16

Additional Form

Detail	Balance 31-Mar-15 (1)	Investments (2)	Cap interest (3)	Cap expenses (4)	To GFA (5)	Depreciation (6)	Balance 31- Mar-16 (7)
Gross Fixed Assets	5305.49	1864.84				7.84%	7,170.3
Depreciation							489.0
Work in Progress	2,210.6	2,249.0	98.2	94.0	1,864.8		2,786.9

अधिकाारी अधिकाारी (अधिकारी)  
मध्यमंचल विद्युत वितरण निगम लि.  
4-ए, गोखले मार्ग, रावतगंज

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

Additional Form

Detail	Balance 31-Mar-14 (1)	Invest-ments (2)	Cap interest (3)	Cap expenses (4)	To GFA (5)	Depreciation (6)	Balance Mar-15 (7)	31- Mar-15
Gross Fixed Assets	3,824.9	1,480.6					5,305.5	
Depreciation	-						357.9	7.84%
Work in Progress	1,744.7	1,782.7	132.5	31.3	1,480.6		2,210.6	

  
अधिकाारी अधीनस्थ (वित्तिय) विभाग  
अधिकाारी अधीनस्थ विभाग, विद्युत वितरण निगम लि.  
अधिकाारी अधीनस्थ विभाग, लखनऊ  
4-15, गोरखपुर रोड, लखनऊ



Name of Distribution Licensee: Madhyanchal 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>2,260.51</b>	<b>5,412.08</b>	<b>4.18</b>
(a) Consumer getting supply as per "Rural Schedule"	319.46	2,010.72	1.59
(b) Supply at Single Point for Bulk Loads	47.40	85.90	5.52
(c) Other Metered Domestic Consumers	1,793.88	2,979.03	6.02
(d) Life Line Consumers	99.77	336.44	2.97
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>782.43</b>	<b>1,020.84</b>	<b>7.66</b>
(a)Non-Domestic(Rural)	49.10	170.38	2.88
(b)Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c)Non-Domestic (Urban Metered)	733.33	850.46	8.62
<b>LMV-3: Public Lamps</b>	<b>238.55</b>	<b>378.73</b>	<b>6.30</b>
<b>LMV-4: Insitutions</b>	<b>277.11</b>	<b>370.15</b>	<b>7.49</b>
(a) Public Institution	218.94	295.58	7.41
(b) Private Institution	58.16	74.57	7.80
<b>LMV-5: Private Tube Wells</b>	<b>139.84</b>	<b>1,102.55</b>	<b>1.27</b>
(a) Rural	71.51	970.33	0.74
(b) Urban	68.33	132.22	5.17
<b>LMV 6: Small and Medium Power</b>	<b>472.75</b>	<b>610.50</b>	<b>7.74</b>
<b>LMV-7: Public Water Works</b>	<b>476.78</b>	<b>687.40</b>	<b>6.94</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>420.33</b>	<b>763.01</b>	<b>5.51</b>
<b>LMV-9: Temporary Supply</b>	<b>1.64</b>	<b>2.02</b>	<b>8.12</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>30.59</b>	<b>141.60</b>	<b>2.16</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>525.84</b>	<b>636.97</b>	<b>8.26</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>1,119.04</b>	<b>1,600.81</b>	<b>6.99</b>
<b>HV-3: Railway Traction</b>	<b>61.61</b>	<b>83.70</b>	<b>7.36</b>
<b>HV-4: Lift Irrigation Works</b>	<b>88.60</b>	<b>129.27</b>	<b>6.85</b>
<b>Sub Total</b>	<b>6,895.63</b>	<b>12,939.65</b>	<b>5.33</b>
Bulk & Extra State	25.88	61.65	4.20
<b>Total</b>	<b>6,921.51</b>	<b>13,001.30</b>	<b>5.32</b>

  
 अधिशासी अभियन्ता (वित्त)।  
 मध्यमंचल विद्युत वितरण निगम  
 4-ए, गोखले

Name of Distribution Licensee: Madhyanchal 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>2,649.19</b>	<b>6,313.15</b>	<b>4.20</b>
(a) Consumer getting supply as per "Rural Schedule"	526.17	2,561.86	2.05
(b) Supply at Single Point for Bulk Loads	50.92	92.42	5.51
(c) Other Metered Domestic Consumers	1,952.19	3,252.50	6.00
(d) Life Line Consumers	119.91	406.36	2.95
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>868.63</b>	<b>1,094.50</b>	<b>7.94</b>
(a)Non-Domestic(Rural)	58.58	201.08	2.91
(b)Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c)Non-Domestic (Urban Metered)	810.06	893.43	9.07
<b>LMV-3: Public Lamps</b>	<b>274.80</b>	<b>436.16</b>	<b>6.30</b>
<b>LMV-4: Insitutions</b>	<b>306.23</b>	<b>410.25</b>	<b>7.46</b>
(a) Public Institution	241.91	327.53	7.39
(b) Private Institution	64.32	82.72	7.78
<b>LMV-5: Private Tube Wells</b>	<b>148.70</b>	<b>1,124.20</b>	<b>1.32</b>
(a) Rural	72.17	976.11	0.74
(b) Urban	76.53	148.09	5.17
<b>LMV 6: Small and Medium Power</b>	<b>519.99</b>	<b>674.71</b>	<b>7.71</b>
<b>LMV-7: Public Water Works</b>	<b>523.08</b>	<b>754.19</b>	<b>6.94</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>455.35</b>	<b>798.83</b>	<b>5.70</b>
<b>LMV-9: Temporary Supply</b>	<b>1.76</b>	<b>2.18</b>	<b>8.08</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>32.88</b>	<b>156.39</b>	<b>2.10</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>578.04</b>	<b>700.12</b>	<b>8.26</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>1,175.44</b>	<b>1,683.72</b>	<b>6.98</b>
<b>HV-3: Railway Traction</b>	<b>64.69</b>	<b>87.89</b>	<b>7.36</b>
<b>HV-4: Lift Irrigation Works</b>	<b>94.02</b>	<b>137.03</b>	<b>6.86</b>
<b>Sub Total</b>	<b>7,692.81</b>	<b>14,373.31</b>	<b>5.35</b>
Bulk & Extra State	25.88	61.65	4.20
<b>Total</b>	<b>7,718.70</b>	<b>14,434.97</b>	<b>5.35</b>



अविज्ञासी अभियन्ता (वाणिज्य)  
मध्यांचल विद्युत वितरण निगम लि०  
४-ए, गोखले मार्ग, लखनऊ



Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited  
Revenue Arrears and Age-wise 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 (-)	Upto 6 Months	6-12 Months	12-24 Months	24-36 Months	More than 3years	NOTES:
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>4,846.00</b>	<b>4,386.85</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											

  
अधिसारी अधिवक्ता (वित्तिका)  
मध्यचल विद्युत वितरण निगम लि.  
4-ए, गीतामो नाथ

Name of Distribution Licensee: Madhyanchal Vidut 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>	4,539.97	6,921.51	5,883.29	5,578.20							
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'											

  
 अधिकासी अधिवक्ता (व्यक्ति)  
 मध्यमचल विद्युत वितरण निगम लि.  
 4-ए, गोकुले मार्ग, भुवनेश्वर



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		
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>	2,789.74	3,821.07	2,858.73	3,752.08							
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'											

  
 अधिकाशी अभियन्ता (कमिश्नर)  
 मध्यमचल विद्युत वितरण निगम लिमि  
 4-ए, गोखले मार्ग, लखनऊ

Name Of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

T&D Losses in LT and HT system

Form No: P2


All Figures in MU

S.No	Particulars	PY	CY	EY	Remarks
		Actual	Estimated	Projection	
<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)	13146.78	14317.36	15589.79	
2	Energy Out (A2+B2+C2+D2)	9880.09	10830.96	11869.46	
3	Total T&D Loss ((1-2)/1)*100%	24.85%	24.35%	23.86%	

  
 अधिकाारी अभियन्ता (वितरण)  
 मध्यमचल विद्युत वितरण निगम लिमिटेड  
 4-ए, गोरखे गार्ड, भुवनेश्वर



SL.NO.	TYPE OF COMPLAINT	NO. OF COMPLAINTS RECEIVED DURING			
		Ist.Six months	2nd.Six months	Ist.Six months	2nd Six months
		of previous year	of previous year	of current year	of current year
1	<b>Interruption due to problem in LT supply</b> (Fuse off call at aerial cutouts/Sealable cutouts,snapping of wires,falling of trees on overhead lines,fire due to short circuit of LT lines consequent to loose spans and touching of tree branches)	41450	39380	40150	39160
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	13110	11490	10680	10955
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	46380	44260	40980	41350

  
 अधिशासी अभियन्ता (वाणिज्य)  
 मध्यांचल विद्युत वितरण निगम लि०  
 4-ए, गोखले मार्ग, लखनऊ

Sl.No.	Particulars	First six months of the PY		Last six months of the PY		For the CY		Corrective measures proposed
		Percentage of time when voltage was		Percentage of time when voltage was		Percentage of time when voltage was		
		below (9%)	above (6%)	below (9%)	above (6%)	below (9%)	above (6%)	
	At 33 kv side of transformer (incoming point of 33 kv bus)							
	<i>Include all feeders</i>							
1	Gaharu	3.50	2.90	3.80	3.60	3.25	2.80	
2	Balaghat	4.25	3.20	3.85	3.60	3.50	3.10	
3	Sareni	4.70	3.80	4.60	4.10	3.60	3.40	
4	Purwa	5.05	4.25	4.38	4.25	4.10	4.20	
5	Faridpur	4.10	3.80	4.20	3.90	3.80	3.50	
6	Ashrashi	3.90	3.45	3.80	3.70	3.40	3.20	
7	Ashlam Nagar	4.85	4.70	4.10	4.38	4.25	4.10	
8	Jagdishpur	3.90	3.80	3.80	3.60	3.50	3.60	
9	Haidargardh	4.30	4.10	5.20	3.48	3.70	3.80	
10								
11								
12								
13								
14								
15								



अविभागीय अधिकारी (वाणिज्य)  
मध्यांचल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ




Name Of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Transformer and line length details

Form No: P5

Sl. No	Details	PY	CY	EY	Remarks
I	Number of Sub- Stations 33/11 KV	508	595	620	
II	Number of Sub- Stations 11/0.4 KV	145340	157355	169915	
III	Transformation Capacity				
	33/11 KV Transformers	5150	5355	5560	
	11/0.4 KV Transformers	6470	7113	7860	
III	No of Transformers				
	33/11 KV	847	935	960	
	11/0-4 KV	135340	157355	168115	
IV	Number of Feeders				
	33 KV	435	510	535	
	11 KV	2405	2594	2675	
	0.4 KV	-	-	-	
V	Line Length				
1	33 KV	8605	9318	10150	
2	11 KV	75380	93360	99450	
3	0.4 KV	205390	256513	331510	
VI	Capcitor Banks installed (Capacity in MVA)	-	-	-	

  
 अविभासी अभियन्ता (वाणिज्य)  
 मध्यंचल विद्युत वितरण निगम लि०  
 4-ए, गोखले मार्ग, लखनऊ

Name Of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						Form No: P6
Abstract of outages due to tripping in HT feeders/Transformers						
S.No	Particulars Feeder & S/S details	Previous Year Outage Detail		Current Year Outage Detail		Corrective Measures Proposed In the Ensuing Year to Avoid Trippings
		Number of trippings	Total Time	Number of trippings	Total Time	
1	33 KV Feeders	5341	441 Hrs	4538	368 Hrs	
3	11 KV Feeders	31940	22190 Hrs	29140	19135 Hrs	
4	Distribution Transformer					



अविशासी अभियन्ता (वाणिज्य)  
मध्यांचल विद्युत् वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ



Name Of Distribution Licensee: Madhyanchal 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					
	3 MVA	54	0	50	0	
	5 MVA	544	29	565	23	4.1%
	7.5 MVA	3	0	1	0	
	8 MVA	37	3	45	2	4.44%
	10 MVA	204	3	215	7	3.26%
	15 MVA	5	0	4	0	
2	Distribution Transformers					
	Rating					
	10 KVA	16150	1621	18475	1782	9.6%
	16 KVA	4115	329	5633	369	6.5%
	25 KVA	88658	19754	91424	13094	14.32%
	63 KVA	17990	5421	18403	3863	20.99%
	100 KVA	6659	3188	6876	2286	33.25%
	160/250 KVA	3817	1713	3973	1095	27.56%
	400 KVA	3178	1388	3267	999	30.58%
	630 KVA	751	301	758	191	25.20%
	1000 KVA	149	33	149	29	19.46%

अधिकासी अभियन्ता (विद्युत)  
मध्यचल विद्युत वितरण निगम लि.  
A-11, 30

Name Of Distribution Licensee: Madhyanchal 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)	
	Urban	Monthly/Bi-Monthly
	Rural	Monthly/Bi-Monthly
2	LMV-2 to LMV-9	Monthly
3	HV-1 & HV-2	Monthly



अधिसासी अभियन्ता (वाणिज्य)  
मध्यांचल विद्युत वितरण निगम लि०  
4-ए, मोखले मार्ग, लखनऊ



S.No.	Particulars	Actual	Actual	Actual	Actual	Previous Year	Current Year	Ensuing Year
		FY (n-5)	FY (n-4)	FY (n-3)	FY (n-2)	Provisional	Estimate	Projection
						FY (n-1)	FY (n)	FY (n+1)
1	Peak Period							
	a) Winter (1st Oct.-28/29 th Feb.)	2531	2664	2836	2986	3282	3646	4192
	b) Summer (1st March- 30 Sept.)	2591	2726	2900	3054	3359	3732	4294
	c) Other	2471	2604	2767	2913	3705	3560	4097
2	Maximum Peak Demand							
	a) Restricted	-	-	-	-	-	-	-
	b) Unrestricted	2591	2728	2900	3054	3359	3732	4294
3	Peak Availability Assessed	2188	2318	2488	2639	2942	3318	3884
4	Shortfall in meeting Peak Demand							
	a) Restricted	-	-	-	-	-	-	-
	b) Unrestricted	403	410	412	415	417	414	410

Notes:- Details of Load Rostering may be provided along with this format i.e., in terms of MW, MU and number of hours per day.



अधिसायी अभियन्ता (वाणिज्य)  
मध्यांचल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ

Name Of Distribution Licensee: Madhyanchal 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 rest.	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					
	<b>Total of I</b>					
II	Interest on Working Capital Loans Or Short Term Loans					



अधिसाक्षी अभियन्ता (वाणिज्य)  
मध्यमंचल विद्युत वितरण निगम लि०  
4-ए, गोखले मार्ग, लखनऊ



Name Of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Release of New service Connections

Form No: P13

Period	Pre-PY		PY		CY		Action Proposed to be taken for providing service connections in time	Remarks
	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply		
April								
May								
June								
July								
August								
September								
October								
November								
December								
January								
February								
March								
<b>Total</b>	<b>211678</b>	<b>14271</b>	<b>222262</b>	<b>14556</b>	<b>233375</b>	<b>14410</b>		

  
 अधिकाारी अभियन्ता (वाणिज्य)  
 मझांचल विद्युत वितरण निगम लि०  
 4-5, गोकुले मार्ग, लखनऊ

## **Annexure- 2**

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



MADHYANCHAL VIDYUT VITRAN NIGAM LIMITED

BALANCE SHEET  
AND  
PROFIT & LOSS ACCOUNT

FOR THE PERIOD  
01.04.2012 TO 31.3.2013

## CONTENTS

Sl. No.	Particulars
1	Balance Sheet
2	Profit & Loss Account
3	Notes ( 1 - 22 )
4	Significant Accounting Policies (Note - 23)
5	Notes on Accounts (Note - 24)
6	Cash Flow



MADHYANCHAL VIDYUT VITRAN NIGAM LTD.

4 A, GOKHLEY MARG, LUCKNOW

BALANCE SHEET AS AT 31.03.2013

(Amount in Rs.)

PARTICULAR	NOTE	As at 31.03.13	As at 31.03.12
<b>A EQUITY AND LIABILITIES</b>			
<b>1 Shareholders funds :</b>			
Share Capital	(1)	23061564000	14133117000
Reserve & Surplus	(2)	-77295752765	-56510540729
Money received under share warrants		-	-
<b>2 Share application money pending for allotment</b>			
	(3)	6961862921	13671320788
<b>3 Non-current liabilities</b>			
Long-term borrowings	(4)	62185889455	9002109518
Deferred Tax Liabilities		-	-
Other Long term Liabilities		-	-
Other Long term Provisions		-	-
<b>4 Current liabilities</b>			
Short Term Borrowings		-	-
Trade payables	(5)	39132712945	70277809464
Other current liabilities	(6)	102144154144	90654870092
Short Term Provisions		-	-
<b>Total</b>		<b>156191430700</b>	<b>141228685134</b>
<b>B ASSETS</b>			
<b>1 Non-current assets</b>			
<b>Fixed Assets</b>			
Tangible Assets	(7)	23336814271	23434562259
Intangible Assets		-	-
Capital Work in Progress	(8)	12012251831	11348197973
Intangible Assets Under development		-	-
Non Current Investments		-	-
Deferred Tax Assets		-	-
Long-term Loans & Advances		35349066102	34782760232
<b>2 Current Assets</b>			
Current Investments		-	-
Stores & Spares	(9)	1887720305	474499682
Trade receivables	(10)	37620806506	27897381783
Cash and Cash Equivalents	(11)	6915425859	5775376190
Short-term loans and advances	(12)	7635536	7537811
Other Current Assets	(13)	74510776392	120842364598
		72291129436	106445924902
<b>TOTAL</b>		<b>156191430700</b>	<b>141228685134</b>
Significant Accounting policies	(23)		
Notes on Accounts	(24)		
Note 1 to 24 form integral part of			

*AS*  
Abha Sethi Tandon)  
Company Secretary  
Part Time

*AS*  
(राम सजीवन)  
मुख्य महाप्रबंधक (वित्त एवं लेखा)  
म० लि० वि० नि० लि०  
लखनऊ

*AS*  
(A. K. AGRAWAL : (Alok Kumar Agrawal)  
DIRECTOR (FINANCE)  
M. V. V. N. L.

*AS*  
Director (P&A)  
M. V. V. N. L.

*AS*  
(A. P. Mishra)  
Managing Director  
Madhyanchal Vdyut Vitran Nigam Ltd  
4-A, Gokhale Marg, Lucknow

As per our separate report of even date

For D. Pathak & Co.  
(Chartered Accountant)

*AS*  
Partner

KUSUMJAL

20 JAN 2014

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

PROFIT AND LOSS ACCOUNT FOR THE PERIOD FROM 01.04.12 TO 31.03.13

(Amount in Rs.)

PARTICULAR	NOTE	FOR THE PERIOD FROM 01.04.12 TO 31.03.13	FOR THE PERIOD FROM 01.04.11 TO 31.03.12
<b>INCOME</b>			
Revenue from sale of power (Gross)	(14)	3691839097	31781079634
Less Electricity Duty		1678494228	1153263930
Energy internally Consumed		1365718593	1211872335
<b>Other Income</b>			
Other Income	(15)	7754206295	8053498323
<b>TOTAL</b>		<b>44359829567</b>	<b>39923186353</b>
<b>EXPENDITURE</b>			
Cost of Materials Consumed			
Purchase of Power	(16)	49746972792	48978197738
Changes in Inventories of finished Goods WIP & Stock in Trade			
Employees Cost	(17)	4360562278	3029846076
Operation & Other Expenses	(18)	3223634462	2815649735
Finance Cost	(19)	6743343383	1406706052
Depreciation and amortization Expense	(20)	1134292181	1205417963
Provisions	(21)	506496038	358322633
<b>TOTAL EXPENSES</b>		<b>65715301124</b>	<b>57816140197</b>
Net Profit/(Loss) For the Year		-21355476567	-17892953844
Net prior period			
Income/(Expenditure)	(22)	-1025471430	-244600581
Net Profit/(Loss)		-20330005157	-17648353263
Accumulated loss brought forward		-64373768996	-46725415733
Net Profit/(Loss) Carried Over to Reserve & Surplus Note-2		-84703774133	-64373768996
<b>Earning Per Share -</b>			
Basic		-2944	-1266
Diluted		-4797	-2550
Significant Accounting policies	(23)		
Notes on Accounts	(24)		
Note 1 to 24 form integral part of Accounts			

*AS*  
Abha Sethi Tandon)  
Company Secretary  
Part Time

( राम अग्रवाल )  
मुख्य महाप्रबन्धक (वित्त एवं लेखा)  
मं० वि० वि० नि० लि०  
लखनऊ

*AK*  
(A. K. AGRAWAL) (Alok Kumar Agrawal)  
DIRECTOR (FINANCE)  
M. V. V. N. L.

*AK*  
Director (P&A)  
M.V.V.N.L

*AK*  
(A. P. Mishra)  
Managing Director  
Madhyanchal Vidyut Vitran Nigam Ltd.  
4 A, Gokhale Marg, Lucknow

KUSUMYAL

As per our separate report of even date

For D. Pathak & Co.  
(Chartered Accountants)

*DP*  
Partner

20 JAN 2014

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-1

SHARE CAPITAL

PARTICULARS	(Amount in Rs.)	
	As at 31.03.13	As at 31.03.12
A. <u>AUTHORISED</u> 4000000 (Previous Year 4000000 ) Equity Shares of Rs.1000/-each	40000000000	40000000000
B. <u>ISSUED SUBSCRIBED AND PAID UP</u>		
(i) 23061064 (14132617) Equity Share of Rs.1000/- each fully paid up allotted to UPFCL	23061064000	14132617000
(ii) Promoters' Shares (500 Equity Share of Rs. 1000/- each)	500000	500000
<b>TOTAL</b>	<b>23061564000</b>	<b>14133117000</b>

*ASL*

*by*

*less*

*2*

*the*



MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
1 A, GOKHLEY MARG, LUCKNOW

NOTE-2

RESERVES AND SURPLUS

PARTICULARS	(Amount in Rs.)	
	As at 31.03.13	As at 31.03.12
<b>A. Capital Reserve</b>		
Consumers Contributions towards Service Line and other charges		
As per last Balance Sheet	6887208822	5805114466
Add: Received during the year	1438001360	1357837293
	8325210182	7162951759
Less: Transfer to P/L Account	592068430	275742937
	7733141752	6887208822
Subsidies towards Cost of Capital assets		
As per last Balance Sheet	860777648	903703567
Add: Received during the year	87040000	0
	947817648	903703567
Less: Transfer to P/L Account	123764450	42925919
	824053198	860777648
<b>B. Grants</b>		
APDRP Grant		
As per last Balance Sheet	115241798	120988764
Add: Received during the year	0	0
	115241798	120988764
Less: Transfer to P/L Account	19143588	5746966
	96098210	115241798
<b>D. Restructuring reserve a/c / Material Cost variance</b>		
As per last Balance Sheet	0	0
Add: Received during the year	-1245271792	0
	-1245271792	0
<b>C. Surplus in the statement of P/L Account</b>		
As per last Balance Sheet	-64373768996	-46725415733
Add: Profit/ (Loss) for the year	-20330005137	-17648353263
	-84703774133	-64373768996
<b>GRAND TOTAL</b>	<b>-77295752765</b>	<b>-56510510728</b>

*AS1*      *by*      *LS*      *the*

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-3

SHARE APPLICATION MONEY

PARTICULARS	(Amount in Rs.)	
	As at 31.03.13	As at 31.03.12
SHARE APPLICATION MONEY (Pending for allotment to UPPCL)	6961862921	13671320788
Total	6961862921	13671320788

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*the*

*2*



**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
4 A, GOKHLEY MARG, LUCKNOW

Details of shares held by the holding company, the ultimate holding company, their subsidiaries and associates

PARTICULARS	Equity Shares with voting rights Number of shares			
	As at 31 March, 2013 UPPCL, the holding company	23061064		
As at 31 March, 2012 UPPCL, the holding company	14132617			
Details of shares held by each shareholder holding more than 5% shares:				
Class of shares/Name of shareholder	As at 31 March, 2013		As at 31 March, 2012	
	Number of shares held	% holding in that class of shares	Number of shares held	% holding in that class of shares
Equity shares with voting rights UPPCL	23061064	99.99	14132617	99.99

1. Aggregate number and class of shares allotted as fully paid up pursuant to contract(s) without payment being received in cash, bonus shares and shares bought back for the period of 5 years immediately preceding the Balance Sheet date.
2. 8928447 fully paid Equity shares of Rs. 1000 each were allotted in the year 2012-13.
3. The Company has only one class of Equity Shares having a par value of Rs.1000/- per Share.
4. During the year, no dividend has been declared by the board due to heavy accumulated losses.







MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

Reconciliation of the number of shares and amount outstanding at the beginning and at the end of the

PARTICULARS	Opening Balance	Fresh Issue	Bonus	ESOP	Conversion	Buy Back	Closing
Issued, Subscribed & Paid-up Equity shares fully paid up Year ended 31 March, 2013							
- Number of shares	14133117	8928447					23061564
- Amount (Rs.)	14133117000	8928447000					23061564000
Year ended 31 March, 2012							
- Number of shares	4645651	9487466					14133117
- Amount (Rs.)	4645651000	9487466000					14133117000

*ASI*

*[Signature]*

*Ans.*

*[Signature]*

*[Signature]*



## LONG TERM BORROWINGS

Note - 4

(Amount in Rs.)

PARTICULARS	Non-Current		Current Maturities	
	As at 31.03.2013	As at 31.03.2012	As at 31.03.2013	As at 31.03.2012
<b>A. SECURED LOAN -</b>				
(i) Power Finance Corporation Ltd. (APDRP) (Secured against hypothecation of New Created Assets)	324711840	389540301	48021344	64828461
(ii) Power Finance Corporation Ltd. ( R - APDRP) (Secured against hypothecation of New Created Assets)	3036867595	2002267595	0	0
(iii) Rural Electrification Corporation Ltd. (APDRP) (Secured against hypothecation of New Created Assets)	369829700	427838100	58008400	58008400
(iv) Rural Electrification Corporation Ltd. (Capital) (Secured against hypothecation of New Created Assets)	227714296	104877475	0	0
(v) Rural Electrification Corporation Ltd. (STL) (Secured against hypothecation of stores and charge on receivables of specified receipt account through escrow arrangements)	2053030392	4037878855	2469896958	2954848463
<b>LOAN BY UPPCL on behalf of MVVNL</b>				
(vi) Punjab National Bank (Receivables)	5793728306	0	0	0
(vii) Vijaya Bank (Receivables)	1537377592	0	0	0
(viii) Bank Of India (Receivables)	1186350844	0	0	0
(ix) Oriental Bank Of Commerce (Receivables)	2938345233	0	0	0
(x) UCO Bank (Receivables)	2339061262	0	0	0
(xi) Bank Of Maharashtra (Receivables)	720213948	0	0	0
(xii) Bank Of Baroda (Receivables)	941519159	0	0	0
(xiii) Punjab & Sind Bank (Receivables)	1440242888	0	0	0
(xiv) Corporation Bank (Receivables)	1758895531	0	0	0
(xv) South Indian Bank (Receivables)	300145716	0	0	0
(xvi) Karur Vyas Bank (Receivables)	54260865	0	0	0
(xvii) Federal Bank (Receivables)	146885641	0	0	0
(xviii) Syndicate Bank (Receivables)	522145782	0	0	0
(xix) Central Bank Of India (Receivables)	5077123290	0	0	0
(xx) State Bank Of India (Receivables)	1846356947	0	0	0
(xxi) Union Bank Of India (Receivables)	3426231991	0	0	0
(xxii) Allahabad Bank (Receivables)	4393856494	0	0	0
(xxiii) Dena Bank (Receivables)	1065166864	0	0	0
(xxiv) Indian Overseas Bank (Receivables)	1357235387	0	0	0
(xxv) Canara Bank (Receivables)	4405959472	0	0	0
<b>Total</b>	<b>47263060735</b>	<b>6962402326</b>	<b>2576328702</b>	<b>3107685324</b>

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LONG TERM BORROWINGS

Note - 4

(Amount in Rs.)

PARTICULARS	Non-Current		Current/Maturities	
	As at 31.03.2013	As at 31.03.2012	As at 31.03.2013	As at 31.03.2012
	<b>B. UNSECURED LOANS -</b>			
<b>(a) Transfer Scheme</b>				
(i) Govt. of UP	50000000	50000000	0	0
(ii) Rural Electrification Corporation Ltd. ( Guaranteed by Govt. of UP )	1804411143	1899342243	104537821	106809907
(iii) Power Finance Corporation Ltd. ( Guaranteed by Govt. of UP )	43416468	64345872	18939794	20899314
(iv) U.P.State Industrial Development Corporation Ltd.	3878747	3878747	0	0
(v) Financial Participation by Consumers	21813583	21513583	0	0
(vi) Other Loans	6942000	6942000	0	0
<b>Total</b>	<b>1930261941</b>	<b>2046122445</b>	<b>123477615</b>	<b>127709221</b>
<b>(b) LOAN BY UPPCL on behalf of MVVNL</b>				
(i) Govt. of UP (APDRP)	241106000	241106000	20420482	21158489
(ii) Govt. of UP (World Bank)	1133053000	1133053000	79810290	78870200
(iii) HUDCO ( Guaranteed by Govt. of UP )	3034645657	2507953989	776275009	553105008
(iv) REC Transitional ( Guaranteed by Govt. of UP )	4350000000	0	0	0
(v) PFC Transitional ( Guaranteed by Govt. of UP )	7334972200	0	0	0
(vi) NOIDA	317400000	0	0	0
(vii) Mandi Parishad	158700000	0	0	0
<b>Total</b>	<b>16569876857</b>	<b>3882112989</b>	<b>876505761</b>	<b>653133697</b>
<b>GRAND TOTAL</b>	<b>65763199533</b>	<b>12890637760</b>	<b>3576310078</b>	<b>3888528242</b>
<b>Less - Current Maturities of Long Term Borrowings</b>	<b>3576310078</b>	<b>3888528242</b>		
<b>Non Current Long Term Borrowings</b>	<b>62186889455</b>	<b>9002109518</b>		

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-5

TRADE PAYABLES

PARTICULARS	(Amount in Rs.)	
	As at 31.03.13	As at 31.03.12
Uttar Pradesh Power Corporation Ltd.		
Liability for Power Purchase	34098104966	67064338809
Uttar Pradesh Power Transmission Corporation Ltd.		
Liability for Transmission Charges	5034607979	3213469655
<b>GRAND TOTAL</b>	<b>39132712945</b>	<b>70277808464</b>

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-6

OTHER CURRENT LIABILITIES

(Amount in Rs.)

PARTICULARS	As at 31.03.13	As at 31.03.12
Current Maturities of Long Term Borrowings	3576310078	3888528242
Interest Accrued and due on borrowings	654527693	0
Liability for Capital Supplies/ Works	5028767217	4673550907
Liability for O & M Supplies / Works	868840028	854356250
Staff Related Liabilities	2188923978	537650077
Deposits & Retentions from Suppliers & Others	724450906	665052237
Electricity Duty & Other Levies payable to Govt.	1942612206	1161058637
Deposit for Electrification works	359656406	545657455
Sundry Liabilities	7219335954	6677782485
Payable to UPPCL	70484923145	63284618576
Liabilities for Expenses	64956961	64827458
Provident Fund Liabilities	4060908869	3769892869
Pension and Gratuity Liability	1204366470	960116806
Interest accrued but not due on Borrowings	5265365339	4729809675
Security Deposits from Consumers	683249372	335571061
Interest on Security Deposits from Consumers	2549492683	2278932810
	89857503	71747868
<u>Provisions :</u>		
VI pay commission revision	442238413	883888306
Audit Exp.	846260	931248
<b>Total</b>	<b>102144154144</b>	<b>90654870092</b>

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Fixed Assets

Particulars	Gross Block			Depreciation			Net Block	
	As at 31.03.12	Additions	Deductions / Adjustments	As at 31.03.13	Additions	Deductions / Adjustments	As at 31.03.13	As at 31.03.12
Land & Land Rights	311476	0	0	311476	0	0	311476	311476
Buildings	257829337	79669903	0	337599240	8614839	0	306584401	238496552
Plant & Machinery	7988472600	862477004	3287144444	(1914764082)	316004149	1121639317	8102421410	890156683
Lines, Cable Network etc.	11460057260	2405226291	119776575	1546690366	597926577	75576234	2039042706	9339973366
Vehicles	41600394	17000	0	10685139	392037	0	14648176	30904256
Furniture & Fixtures	4566372	5093292	0	4865664	7665857	0	10323485	33330079
Office Equipments	392383673	8548170	0	400931843	29827070	0	93432463	307496360
Sub Total	20208930102	3161031666	3386923019	19883036746	(300574926)	1197412551	(505124794)	20208930102
balances received from	18010300000	0	0	16010300000	13085242769	0	13161649272	2848650728
GROUP					76406503			2925057231

Total	35218230102	3161031666	3386923019	35893335749	12784667843	1099269188	1197412551	2668524478	23306814271	28434367259
Previous Year	32101411887	7240055623	3122237408	36219230102	12302090862	1229833786	1047226804	12784667843	23434862259	18766350856

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**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 8

CAPITAL WORKS IN PROGRESS

PARTICULARS	( Amount in Rs. )	
	As at 31.3.2013	As at 31.3.2012
Capital Work in Progress *	2581197154	2144531041
Revenue Expenses pending for Capitalisation **	101048890	109101586
<b>SUB TOTAL ( A )</b>	<b>2682246044</b>	<b>2253632627</b>
Advances to Suppliers/Contractors	9330005787	9094565346
<b>GRAND TOTAL</b>	<b>12012251831</b>	<b>11348197973</b>

**Notes :**

- \* It includes Establishment and Administration & General Cost related to works.
- \*\* It includes Borrowing Cost only related to works.

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, COKHLEY MARG, LUCKNOW

NOTE-9

INVENTORIES

PARTICULARS	(Amount in Rs.)	
	As at 31.03.13	As at 31.03.12
Stores and Spares	2299872325	725399682
Less: Provision for unserviceable store	412152020	250900000
<b>TOTAL</b>	<b>1887720305</b>	<b>474499682</b>

Notes : Stores and Spares includes capital, and O&M material, obsolete material, scrap transformer sent for repair, material found excess/shortage pending for investigation.

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-10

TRADE RECEIVABLE

(Amount in Rs.)

PARTICULARS	As at 31.03.13	As at 31.03.12
<u>Sundry Debtors</u>		
<u>Debt outstanding for a period not more than six months</u>		
Secured & Considered Good	2639350186	2350680678
Unsecured & considered good	34881456320	25546701105
Considered doubtful	<u>10280810868</u>	<u>47801617374</u>
		<u>9774314830</u>
Less - Provision for Bad & Doubtful Debts	10280810868	9774314830
<b>NET DEBTORS</b>	<b>37520806506</b>	<b>27897381783</b>

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

Note-11

CASH AND CASH EQUIVALENT

(Amount in Rs.)

PARTICULARS	Non-Current		Current Maturities	
	As at 31.03.13	As at 31.03.12	As at 31.03.13	As at 31.03.12
Balances in Current Accounts	0	0	4978225498	4256446785
Balance in Fixed Deposit	0	0	693741698	630452783
Cash in hand	0	0	1243458663	888476622
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>6915425859</b>	<b>5775376190</b>

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-12

SHORT TERM LOANS AND ADVANCES

(Amount in Rs.)

PARTICULARS	As at 31.03.13	As at 31.03.12
ADVANCES (Unsecured)		
Suppliers / Contractors	2722305	2597962
	2722305	2597962
ADVANCES (Secured)		
Staff	3704720	3286667
<u>Income Tax Department</u>		
Tax Deducted at source	1208511	918182
Advance FBT Paid		735000
	4913231	4939849
<b>TOTAL</b>	<b>7635536</b>	<b>7537811</b>

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-13

OTHER CURRENT ASSETS

PARTICULARS	(Amount in Rs.)	
	As at 31.03.13	As at 31.03.12
Income accrued on deposit	22106673	18900163
Non current bank balance note-10	0	0
<u>Receivables</u>		
Uttar Pradesh Power Corpeartion Ltd.	59106527258	58019732967
<u>Receivables from staff</u>		
Employees	684363707	619287202
Less Provision for doubtful Receivable		
Misc. Receivable	3515012220	3278303020
Theft of fixed Assets pending investigation	19294941	19294941
Less Provision for Estimated Loss	19294941	0
Inter Unit Transfer		
IUT	11177640786	10349759030
Prepaid Expenses	5125748	5147054
<b>TOTAL</b>	<b>74510776392</b>	<b>72291129436</b>

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**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 14

REVENUE FROM OPERATIONS

(Amount in Rs.)			
PARTICULARS	Year ended 31.03.2013	Year ended 31.03.2012	
Extra State Consumers	322015331		200863674
<u>Large Supply Consumers</u>			
Industrial	8960757890	7512227429	
Traction	250729650	174746150	
Irrigation	445439167	513086253	
Public Water Works	1654369733	1325528980	9525508812
<u>Small &amp; Others Consumers</u>			
Domestic	10487994663	9832334416	
Commercial	4076947360	4113532430	
Industrial Low & Medium Voltage	2521789731	2363452636	
Public Institution	1621062177	1532721809	
Public Lighting	1625132009	1383031644	
STW & Pump Canals	2665678385	2111454210	
PTW & Sewage Pumping	788353594	662274332	21998801677
Miscellaneous Charges from consumers	328491864		145281455
Less - Energy internally Consumed	-1365718593		-1241872335
Sub Total	35193043031		30628663283
Add Electricity Duty	1725350876		1152416351
<b>TOTAL</b>	<b>36918393907</b>		<b>31781079634</b>

Note - 15

OTHER INCOME

(Amount in Rs.)			
PARTICULARS	Year ended 31.03.2013	Year ended 31.03.2012	
<u>Subsidies</u>			
(a) Revenue Loss & Tariff Subsidy from Govt. of U.P.	5972800000		6579800000
(b) <u>Interest income</u> :			
Loans to Staff	34446	63229	
Fixed Deposits	140327230	151627115	
Other	3398528	143760204	163818832
(c) <u>other non operating income -</u>			
Delayed Payment Charges	1605081877		1294317714
Income from Contractors/Suppliers	14922413		13794882
Rental from Staff	496264		348576
Miscellaneous Receipts	17096891		1344343
Excess found on physical verification of Stores	48646		73976
<b>TOTAL</b>	<b>7754206295</b>		<b>8053498323</b>



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**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 16

PURCHASE OF POWER

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2013	Year ended 31.03.2012
<u>Power Purchased from -</u>		
UPPCL	47459453430	47390513940
Transmission Charges UPPTCL	2287519362	1579683798
<b>TOTAL</b>	<b>49746972792</b>	<b>48970197738</b>

Note - 17

EMPLOYEES COST

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2013	Year ended 31.03.2012
Salaries & Allowances	1898349806	1944240075
Dearness Allowance	1225714397	1014206210
Other Allowances	166280456	170659370
Bonus/ Ex-gratia	54178463	11710951
Medical Expenses ( Re-imbursment )	39682169	23752629
Leave Travel Assistance	0	35600
Earned Leave Encashment	1250007258	148812940
Compensation	1604236	1004166
Staff Welfare Expenses	27836176	2760887
Pension & Gratuity	427482162	426953824
Other Terminal Benefits	64098596	51760987
Sub Total	5155233719	3793997639
LESS - Expenses Capitalised	794671441	764051563
<b>TOTAL</b>	<b>4360562278</b>	<b>3029946076</b>







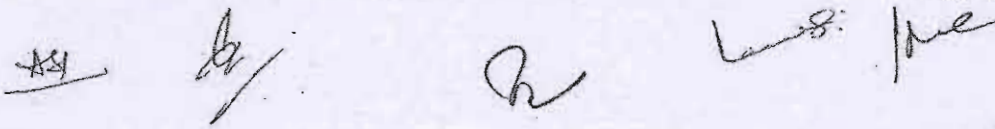
**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 18

OPERATION & OTHER EXPENSES

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2013	Year ended 31.03.2012
<b>REPAIR AND MAINTENANCE</b>		
Plant & Machinery	545462904	499538311
Buildings	86300486	79285653
Other Civil Works	1175451	617438
Lines Cables not works etc.	932806467	843124461
Vehicles - Expenditure	2410873	2525070
Furniture & Fixtures	7480	609587
Office Equipments	2743983	2878325
<b>OTHER EXPENSES</b>		
Rent	2714842	1704261
Rates and Taxes	29411	960
Insurance	1901335	2236203
Communication Charges	27298735	14329752
Legal Charges	11800416	11261748
<u>Auditors Remuneration &amp; Expenses</u>		
Audit Fee	3324449	886051
Travelling Expenses	438500	129589
Consultancy Charges	14364200	1004793
Technical Fees & Professional charges	173655	240571
Travelling and Conveyance	31678176	27026963
Printing and Stationery	17527712	17252248
Advertisement Expenses	17005983	19497832
Electricity Charges	1365718593	1241872335
Water Charges	3075932	3005401
Entertainment	4292	18349
Miscellaneous Expenses	278021457	165053441
<b>SUB TOTAL</b>	<b>3345985412</b>	<b>2935099342</b>
<b>LESS - Expenses Capitalised</b>	<b>133734884</b>	<b>131937758</b>
<b>SUB TOTAL</b>	<b>3212250528</b>	<b>2803161584</b>
<u>OTHER EXPENSES</u>		
Compensation ( Other than staff )	9907986	8283108
Other Losses	1475948	4205043
<b>TOTAL</b>	<b>3223634462</b>	<b>2815649735</b>





**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 19

FINANCE COST

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2013	Year ended 31.03.2012
Interest on Loans		
Government of UP	315015372	201658158
PFC	243800706	246543290
REC	712047517	727385857
HUDCO	350328310	256387099
NCPRB	0	2451689
BANKS	512978354	0
Interest to Consumers	91409261	1434426093
Bank Charges	1102753	80039569
SUB-TOTAL	6844392273	1515807638
LESS - Interest Capitalised	101048890	109101586
GRAND TOTAL	6743343383	1406706052

Note - 20

DEPRECIATION

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2013	Year ended 31.03.2012
Depreciation -	1589722423	1529833785
Less Equivalent amount of Depreciation on Assets acquired out of the Consumer's Contribution and GOUP's Capital Subsidy	455430242	324415822
GRAND TOTAL	1134292181	1205417963







**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 21

**PROVISIONS**

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2013	Year ended 31.03.2012
<b>PROVISIONS</b>		
Doubtful debts ( Sale of Power )	506496038	388322633
<b>TOTAL</b>	<b>506496038</b>	<b>388322633</b>

Note - 22

**NET PRIOR PERIOD INCOME/EXPENDITURE**

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2013	Year ended 31.03.2012
<b>A INCOME</b>		
a Revenue from Sale of Power	0	-19886000
b Other Income	13510787	0
subtotal	13510787	-19886000
<b>B EXPENDITURE</b>		
a O & M Expenses	-391989014	0
b Employee Cost	325816767	-378778714
c Interest & Finance Charges	-298865474	112813182
d Administrative & General Exp	153076541	1478951
e Depreciation Under/Excess Provided	-799999483	0
subtotal	-1011980643	-264486581
<b>Net Amount</b>	<b>-1025471430</b>	<b>-244600581</b>

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**MANDHYANCHAL VIDYUT VITRAN NIGAM LIMITED**  
**4-A GOKHLEY MARG, LUCKNOW**

Note-23

**SIGNIFICANT ACCOUNTING POLICIES**

**1. GENERAL**

- (a) The financial statements are prepared in accordance with the 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) Act, 2003 have been adopted.
- (b) The accounts are prepared under historical cost convention, on accrual basis unless stated otherwise and on accounting assumption of going concern.
- (c) Subsidy, Grants etc are accounted for on cash basis. Interest on loans to staff is accounted for on receipt basis after the recovery of principal in full.

**2. FIXED ASSETS**

- (a) Fixed Assets are shown at the value transferred as per transfer Scheme, 2003.
- (b) All costs relating to the acquisition and installation of fixed assets till the date of commissioning are capitalized.
- (c) Consumers Contribution, Grants and subsidies received towards cost of capital assets are treated initially as capital reserve and subsequently amortized in the proportion in which depreciation on related asset is charged.
- (d) In the case of commissioned assets, where final settlement of bills with the contractor is yet to be affected, capitalization is done, subject to necessary adjustment in the year of final settlement.
- (e) Due to multiplicity of functional units as well as multiplicity of function at particular unit, employees cost and general & administration expenses to capital works are capitalized @ 15% on distribution and Deposit work, 11% on other works on the amount of total expenditure.

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- (f) Borrowing cost on loan for Capital Works is capitalized during the year.

3. DEPRECIATION

- (a) Depreciation is charged as per Electricity (Supply) Act, 2003 on straight line method at the rates prescribed in the schedule XIV of The Companies Act, 1956.
- (b) Depreciation is provided only on fixed assets in existence at the beginning of the year as per Electricity (Supply) Act, 2003.
- (c) Fixed assets are depreciated up to 95% of original cost after taking 5% as the residual value of assets.

4. STORES & SPARES

- (a) Store and Spares are valued at cost except that of lying in Electricity Store Division LESA/Lucknow/Faizabad/Bareilly.
- (b) The stores and spares of Electricity Store Division LESA/Lucknow/Faizabad/Bareilly are valued at cost at weighted average cost method or market price whichever less as per AS-2.
- (c) Steel scrap is valued at realizable value and scraps other than steel are accounted for in the accounts as and when sold.
- (d) Any shortage/excess of material found during the year end is shown as "material short/excess pending investigation" till the finalization of investigation.

5. REVENUE/EXPENDITURE RECOGNITION

- (a) Revenue from sale of energy is accounted for on accrual basis.
- (b) The sale of electricity does not include electricity duty payable to the State Govt., as the same is not the income of the Nigam.
- (c) Assessment of own energy consumption is done on the basis of connected load/hours of supply/meters.
- (d) Sale of energy is accounted for based on tariff rates approved by U. P. Electricity Regulatory Commission.

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- (e) In case of detection of theft of energy, the consumer is billed on laid down norms irrespective of actual realisation from the consumer.
- (f) Penal interest, overdue interest, commitment charges, restructuring charges and incentives/rebates on loans are accounted for on cash basis after final ascertainment.


#### 6. POWER PURCHASE


The bulk power purchase from UPPCL is accounted for on the basis of bills raised by the UPPCL, the holding company.



#### 7. RETIREMENT BENEFITS

- (a) Liability for pension & Gratuity in respect of employees has been determined on the basis of actuarial valuation and has been accounted for on accrual basis.
- (b) Post retirement medical benefits are accounted for on the basis of claims received and approved during the year.

  
**Abha Sethi Tandon**  
 Company Secretary  
 Part Time

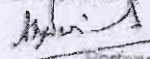
  
 ( राम सरोजन )  
 मुख्य महाप्रबंधक (वित्त एवं लेख)  
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 लखनऊ

  
**( A. K. AGRAWAL ) ( Alok Kumar Agrawal )**  
 DIRECTOR (FINANCE)  
 M. V. V. N. L.  
 Director (P&A)  
 M.V.V.N.L.

  
  
**( A. P. Mishra )**  
 Managing Director  
 Madhyaanchal Vidyut Viran Nigam Ltd.  
 4-A, Gokhale Marg, Lucknow

As per our separate report of even date

For D. Pathak & Co.  
 (Chartered Accountants)

  
 Partner

24 JAN 2014



MANDHYANCHAL VIDYUT VITRAN NIGAM LIMITED  
4-A GOKHLEY MARG LUCKNOW

NOTE No. 24

Notes on Accounts annexed to and forming part of Balance Sheet as at 31.03.2013 and Profit & Loss Account for the Period ended on that date.

1. The Nigam was incorporated under the Companies Act 1956 on 01.05.2003, and commenced the business operation w.e.f. 12.8.2003 in terms of Government of U.P. Notification No. 2740/P-1/2003-24-14P/2003 dated 12.8.2003.
2. The Nigam is a subsidiary of Uttar Pradesh Power Corporation Limited. The annual accounts for the year 2012-13 are based on the balances of assets and liabilities transferred as per Transfer Scheme, 2003 "Annexure A" (except Cash & Bank Balance which are taken at actual as on 12.08.03). The final Transfer Scheme is yet to be issued and the opening balances as on 12.08.2003 will be adjusted accordingly.
3. The Share Capital includes the shares allotted to the subscribers of the Memorandum of Association.
4. Amount received on account of Rajiv Gandhi Gramin Vidyutikaran Yojna (Rs. 21,63,88,711.00), Dr. Ambedkar Gram Sabha Vikas Yojna (Rs. 17,13,79,000.00), Capital Work (Rs. 122,54,61,000.00), Vyapar Vikas Nidhi (Rs. 14,36,27,000.00), S V Yojna (Rs. 35,94,28,000.00), R-APDRP (Rs. 8,63,05,421.87) and Grant for PTW (Rs. 1,64,00,000.00) aggregating Rs. 221,89,89,132.87 by Uttar Pradesh Power Corporation Limited from Government of Uttar Pradesh as Equity on behalf of Nigam have been shown as Share application money of Uttar Pradesh Power Corporation Limited in the Balance Sheet.
5. The liability for G.P.F, Pension and Gratuity during the year is discharged to Uttar Pradesh Power Sector Employees Trust by Uttar Pradesh Power Corporation Limited /Madhyanchal Vidyut Vitran Nigam Limited and where liability discharged by Uttar Pradesh Power Corporation Limited, is shown by Nigam as payable to Uttar Pradesh Power Corporation Limited.
6. Depreciation has been provided on Straight Line Method basis on the opening balances of fixed assets as on the beginning of the year. Further, as per directives of Comptroller & Auditor General of India, the

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depreciation has been provided during the year on the rates prescribed in the Schedule-XIV of The Companies Act, 1956 on the assets created after 12.08.03. In absence of assets-wise break up of Plant & Machinery, Lines, Cables and Other assets, the depreciation on these assets has been provided during the year @ 4.75% on the value transferred as per Transfer Scheme 2003, being the rate prescribed for majority of items in the Schedule-XIV of The Companies Act, 1956.

7. Receivables from Uttar Pradesh Power Corporation Limited includes Rs. 25,07,06,381.00 regarding difference in opening balance received as per GoUP and actual Cash & Bank balance (GoUP balance Rs. 90,19,00,000.00 - Actual balance Rs. 65,11,93,619.00 = Rs. 25,07,06,381.00 ).
8. The amount of Equity, Loans, Subsidies and Grants were received from the State Government by the Uttar Pradesh Power Corporation Limited centrally, being the Holding Company and have been distributed by the Holding Company to the DISCOMs, which have been accounted for accordingly.
9. Balances of Receivables from and Payable to Uttar Pradesh Power Corporation Limited are under reconciliation. However, Liabilities of Power Purchase, Investment of Uttar Pradesh Power Corporation Limited in DISCOM, Loans, Subsidies and Grants are duly reconciled.
10. (a) Age-wise classification of Sundry Debtors could not be given for want of age-wise details of receivables transferred under the transfer Scheme-2003.  
(b) The provision for bad and doubtful debts against revenue from sale of Power has been made @ 5% on the incremental debtors during the year.
11. Based on actuarial valuation report submitted by M/s Price Waterhouse Coopers to Uttar Pradesh Power Corporation Limited (the Holding Company) provision for accrued liability on account of Pension and Gratuity for the year 2012-13 has been made @ 16.70% and 2.38% respectively on the amount of basic pay and DA paid to employees.
12. 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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13. Liability towards medical expenses and LTC has been provided to the extent established.
14. As per Clause IV of Schedule VI of Electricity (Supply) Act, 2003 the Nigam is required to transfer a minimum of 0.25% of gross value of fixed assets from its revenue to Contingency Reserve Account. Since the Nigam has losses this appropriation has not been made.
15. Employees cost includes remuneration to Managing Director as under.

Amount (Rs. in lacs)

	2011-12	2012-13
Salary & Allowances	2.73	12.65
Contribution to Gratuity/Pension	0.52	2.19

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

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

S No.	Details	2011-2012	2012-2013
(i)	Total no of Units Purchased	12537.173 MU	13146.663 MU
(ii)	Total no of Units Sold	9232.555 MU	9880.778 MU
(iii)	Distribution Losses	26.36%	24.84%

(b) Contingent Liabilities: - NIL

19. Since the Company is principally engaged in the distribution business of electricity and there is no other reportable segment as per AS 17, hence the discloser as per AS 17 on segment reporting is not required.
20. 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 regard related party relationship with other state-controlled enterprises and transactions with such enterprises".
21. Due to losses during the year and uncertainty to recover such losses in near future, accounting of deferred tax assets as required by AS 22 issued by ICAI New Delhi has not been made.

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22. Balance under the head of inventories as on 31.03.2013 pertaining to Electricity Store Division Lucknow/Faizabad/Bareilly/LESA have been got valued in compliance of AS -2 from M/S Jamuna Shukla & Associates, Chartered Accountants, Varanasi. After giving due effect of opening balances of these units as on 12.08.2003 as mentioned in the report prepared by M/s PWC and submitted to UPPCL to finalize the Transfer Scheme of DISCOMs which is under consideration with GoUP, accounts for the financial year 2012-13 have been prepared.


Further, the difference between the inventories balances as shown in PWC report and the balances as received under Provisional Transfer Scheme 2003 vide G.O. No. 2740-P-1-2003-24-14P-2003 dated 12.08.2003 amounting to Rs.124.52 crore have been transferred to restructuring A/c with due approval of Board Of Directors. On analysis of inventories valuation report as per AS-2 in respect of the said four divisions, a difference of Rs 442.58 crore was computed which comprises revenue portion Rs. 45.92 crore and capital portion Rs. 396.66 crore and effect thereof has been accounted for in 2012-13. It has also been decided that the inventory valuation as per AS-2 of the rest units may be carried out in financial year 2013-14.


23. To comply with the audit observation, scrutiny of Provision for Earned Leave has been made and a sum of Rs.159.56 crore has been accounted for during the year to rectify the same.
24. Previous year figures have been regrouped and reclassified wherever considered necessary.
25. The figure shown in the Balance Sheet, Profit & Loss Account and Schedules have been rounded off to the nearest Rupee.

  
**Anshu Seethi Tandon)**  
Company Secretary  
Part Time

  
( राम संजयन )  
मुख्य महाप्रबंधक (वित्त एवं लेखा)  
न० वि० वि० वि० वि०  
लखनऊ


  
(A. K. AGRAWAL)  
DIRECTOR (FINANCE)  
M. V. V. N. L.

  
(Alok Kumar Agrawal)  
Director (P&A)  
M.V.V.N.L

  
(A. P. Mishra)  
Managing Director  
11, Ghanshal Vidyut Vitran Nigam Ltd.  
C-2, Gokhale Marg, Lucknow

As per our separate report of even date

For D. Pathak & Co.  
(Chartered Accountants)

  
Partner

7 JAN 2014

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**Annexure A**

Transfer of Assets & Liabilities as per Transfer Scheme 2003 vide Order No.

**SCHEDULE:- 'B' - PART II**

[See Rule 3(1) (b)]

Aggregate Assets and Liabilities to be vested in the Lucknow Discom

**BALANCE SHEET (RUPEES CRORES)**

FINANCIAL YEAR ENDING MARCH 31st 2012

<b>Fixed Assets</b>	
Gross Fixed Assets	1601.03
Less : Accumulated depreciation	538.15
Net Fixes Assets	962.88
Cap. Expd. In progress	98.73
Investments	0.00
<b>Total Fixed Assets</b>	<u>1081.62</u>
<b>Current Assets</b>	
Cash and Bank Balances	90.19
Total Stocks	273.91
Less : Provision for obsolete stores	25.09
Net Stock	248.81
Gross Receivable for Sale of Electricity	1053.54
Provision for Bad & Doubtful debts	841.75
Net Receivable for Sale of Power	211.79
Other Receivable	9.20
<b>Total Current Assets</b>	<u>559.99</u>
<b>Total Assets</b>	<u><u>1621.60</u></u>
<b>Net worth</b>	
Paid up and Subscribed Share Capital	155.43
Retaining Earning (Losses)/ Reserve	0.00
Consumer's contributions	105.02
Capital Reserves	0.00
Grants- RE	44.66
Grants- APDRP	5.00
<b>Total Net worth</b>	310.11
<b>Long Term Debts</b>	
GoUP Loans	5.00
IDBI- Deferred Credits	14.40
REC	256.58
Commercial Banks (SPA)	0.00
HDFC	0.00
PFC	45.39
NOIDA	0.00
UPSIDC	1.57
Urban Co-Operative Bank	0.00
Others	40.52
IBRD	0.00
Working Capital Borrowings	0.00
GPF Liability	230.62
<b>Total Long Term Loans</b>	594.08
<b>Current Liabilities</b>	
Accounts Payable	643.78
Security Deposits From Consumers	73.63
Accumulated Interest on Govt. Loans	0.00
Accumulated Interest on Other IFI's	0.00
Overdue Principal not Paid	0.00
<b>Total Current Liabilities</b>	717.41
<b>Total Liabilities</b>	<u><u>1621.60</u></u>

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# MADHYANCHAL VIDYUT VITRAN NIGAM LTD.

4-A, GOKHLEY MARG, LUCKNOW

## CASH FLOW STATEMENT

		Year 2012-13	Year 2011-12
<b>A</b>	<b>Cash Flow from operating activities</b>		
	Net Loss before prior period expenses	-21355476567.00	-17892953844.00
	Adjustment for:		
a	Depreciation	1134292181.00	1205417963.00
b	Provisions	506496038.00	388322633.00
c	Interest expenses (Financing)	6743343383.00	1406706052.00
d	Interest income	-143760204.00	-163818832.00
e	Deferred Cost	0.00	0.00
f	Prior period adjustments ( Net)	1025471430.00	244600581.00
	<b>SUB TOTAL</b>	<b>9265842828.00</b>	<b>3081228397.00</b>
	Operating profit before working capital changes	-12089633739.00	-14811725447.00
	Working Capital changes:		
a	Sundry Debtors	-10129920761.00	-7766452658.00
b	Stores' Spares	-1413220623.00	729506072.00
c	Other Current Assets	-1391765200.00	130000016.00
d	Loans & Advances	-97725.00	-2321575.00
e	Inter Unit Transfers	-827881756.00	-170031896.00
f	Current Liabilities	-19998120996.00	24243921209.00
	<b>SUB TOTAL</b>	<b>-33761007061.00</b>	<b>17164621168.00</b>
	Net Cash from operating activities - A	-45850640800.00	2352895721.00
<b>B</b>	<b>Cash flow from investing activities</b>		
a	Additions to fixed assets & WIP	-1700598051.00	-4870928282.00
b	Interest received -	143760204.00	163818832.00
	Net Cash flow from investing activities - B	-1556837847.00	-4707109450.00
<b>C</b>	<b>Cash flow from financing activities</b>		
a	Proceeds from Share Capital	2218989133.00	1778603000.00
b	Proceeds from long term borrowings	53527089466.00	631888160.00
c	Proceeds from consumers' contribution and GoUP Capital Subsidy	-455206900.00	1033421471.00
d	Reserve for material cost variance		
e	Interest paid on borrowings	-6743343383.00	-1406706052.00
	Net cash flow from financing activities - C	48547528316.00	2037206579.00
	Net increase in Cash and Cash equivalents (A+B+C)	1140049669.00	-317007150.00
	Cash and Cash equivalents at the beginning of the year	5775376190.00	6092383340.00
	Cash and Cash equivalents at the end of the year	6915425859.00	5775376190.00

*ASL*  
bha Sethi Tandon)  
Company Secretary  
Part Time

( राम सजीवन )  
मुख्य महाप्रबंधक (वित्त एवं लेखा)  
मां वि० वि० नि० लि०  
लखनऊ

*Amr Singh*  
(A. K. AGRAWAL / Alok Kumar Agrawal)  
DIRECTOR (FINANCE)  
M. V. V. N. L.  
Director (P&A)

As per our separate report of even date  
For D. Pathak & Co.  
(Chartered Accountant)

*the*  
M.V.V.N.L.

*P*  
(A. P. Mishra)  
Managing Director

Madhyanchal Vidyut Vitran Nigam Ltd.  
4-A, Gokhale Marg, Lucknow

27 JAN 2014

*D. Pathak*  
Partner

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The Members  
Madhyanchal Vidyut Vitran Limited  
Lucknow

### Report on the Financial Statements

1. We have audited the accompanying financial statements of Madhyanchal Vidyut Vitran Nigam Limited, Lucknow which comprises the Balance Sheet as at 31<sup>st</sup> March 2013, and the Statement of Profit/Loss and Cash Flow Statement for the year then ended annexed thereto wherein are incorporated accounts of Four Zones audited by respective Zonal Auditors and Store Circle, four Store Divisions and Head Office audited by us and a summary of significant accounting policies and other explanatory information.

#### Management's Responsibility for the Financial Statements

2. Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Company in accordance with the Accounting Standards referred to in sub-section 3(C) of section 211 of the Companies Act, 1956. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatements, whether due to fraud or error.

#### Auditor's Responsibility

3. Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.
4. An audit involves performing to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Company's preparation and fair presentation of the financial statements in order to design audit procedure that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the





accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

5. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

#### Opinion

6. The Accounts of the previous year have not been placed before the shareholders in the Annual General Meeting. However, in view of the clarification issued from the office of C&AG for clearing the pending Accounts in arrears, the Accounts for 2012-13 are certified pending approval/adoption of previous year's Accounts in the AGM.
7. (a) Attention is invited to Government of Uttar Pradesh Notification No. 2740/P-1-2003-24-14P/2003 dated 12.08.2003 regarding transfer of distribution business of Uttar Pradesh Power Corporation Limited during that year to various subsidiary companies (Commonly known as DISCOMS) including Madhyanchal Vidyut Vitran Nigam Limited.
- (b) The Provisional balances which were transferred from Uttar Pradesh Power Corporation Limited were as per UPGO No: 2740/P-1-2003-24-14P/2003 dated 12.08.2003 which were the balances as on 31.03.2003. The financial statements prepared for the period ending 31.03.2004, 31.3.2005, 31.03.2006, 31.03.2007, 31.03.2008, 31.03.2009, 31.03.2010, 31.03.2011, and 31.03.2012 have been finalized (except for Cash and Bank) comprises of balances as mentioned here above.

As mentioned in para Nos 7 (a) & 7 (b) above the provisional balances transferred to/from Uttar Pradesh Power Corporation Limited under different heads were transferred and accounted for on gross values. The details and break-up of individual assets and liabilities as on 11.08.2003 have not yet been finalized and reconciled. In absence of item wise details of aforesaid broad heads of assets and liabilities transferred from UPPCL and pending reconciliation of balances, the correctness of the book balances, existence of assets and the effect of the same on assets and liabilities and profit and loss account cannot be ascertained.

8. *As per Note of Accounts point No. 22 difference between the inventories balances as shown in M/s PWC report submitted to UPPCL to finalize the Transfer Scheme of DISCOMS which is under consideration with GoUP and inventory balance as received under Provisional Transfer Scheme 2003 vide G.O 2740-P-1-2003-24-14P-2003 dated 12.08.2003 amounting to Rs 124.52 crore have been transferred to Restructuring A/c with due approval of Board of Directors. We have observed that effect on inventory only due to M/s PWC report has been accounted for during the year. We have been told that effect of balances under remaining heads of accounts will be taken after approval of Final Transfer Scheme by GoUP and accordingly management will decide regarding adjustment of Restructuring A/c.*





9. As per Note of Accounts point No. 22 balance under the head of inventories as on 31.03.2013 pertaining to Store Divisions of Lucknow, Faizabad, Bareilly & LESA have been got valued for compliance of AS-2 from M/s Jamuna Shukla & Associates, Chartered Accountants after giving due effect of opening balances of these units as on 12.08.2003 as mentioned in the report submitted by M/s PWC to UPPCL to transfer Scheme of DISCOMs which is under consideration with GoUP. As per analysis of inventories valuation as per AS-2 in respect of four Store Divisions, a difference of Rs 442.58 crore was computed which comprises revenue portion Rs 45.92 crore and capital portion of Rs 396.66 crore and effect thereof has been accounted for in 2012-13. Management has decided that the inventory valuation of other units may be carried out in financial year 2013-14.
10. Sale of energy to consumers is not cent percent metered in the year in some cases and consequently some adhoc provisions are made at the end of the year. Necessary record regarding tariff wise break-up, transit losses & self-consumption have not been produced to auditors, providing reservation to the recognition and verification of revenue, which is also in contravention to AS - 9.
11. (i) Accounting Policy no. 7(b) for accounting of post retirement medical benefit on the basis of claims received and approved during the year is not in conformity with provisions of sub section (3)(b) of section 209 of Companies Act, 1956 and AS-15.
- (ii) Accounting Policy no. 2(e) for capitalization of employees cost and Operation & Other expenses to capital works is not in conformity with AS-10.
12. (i) GoUP had transferred fixed assets of Rs. 1,60,103/- Lacs without giving the group wise and item wise details as on 12.08.2003. Therefore fixed assets cannot be bifurcated into individual group of assets. Consequently an average rate of depreciation @ 4.75 % as per schedule XIV of the Companies Act, 1956 has been charged on the net balance of fixed assets received as per GoUP. No depreciation has been charged on the assets capitalized during the year in the absence of date wise details of capitalization, which is in contravention of AS-6 issued by the ICAI.
- (ii) As per practice and policy of the Nigam, the fixed assets observed and declared "NOT IN USE" are transferred from Fixed Assets (Accounting Code No. AG-10) to Assets "NOT IN USE" (Accounting Code No. AG- 16) and the depreciation already provided and kept in depreciation reserve at centralized level at H.Q. is reversed. In the absence of complete details at unit, zonal auditors are unable to verify the correctness of the reversal entries.
13. (i) Issue of stores is at Standard Price fixed by the department and not at the lower of actual cost price or net realizable value. This accounting practice is not in agreement with Accounting Standard (AS)-2. However during the year Inventory of Store Division of LESA, Lucknow, Faizabad, & Bareilly have been got revalued from a Chartered Accountants firm to comply with the (AS)-2 and accordingly rectification entries passed in financial year 2012-13. (AS)-2 in case of other Divisions still not followed as reported by the Zonal Auditors. In our opinion





management should review the policy as regards the issues based on standard price fixed by management in all divisions.

- (ii) As reported by the Zonal auditor's, physical verification of inventory has not been done. Hence we are not in a position to make a comment on amount shown under the head "Inventories" in the Balance Sheet related to Zones.
14. (i) Cash in hand includes old unadjusted Temporary Imprest (T.I.) & Permanent Imprest. Neither advance amount is returned back nor are bills submitted for adjustment. Thus to the extent of unadjusted bills, cash in hand is overstated and expenditure is understated.
- (ii) A large number of bank accounts are either not reconciled or reconciled with block differences and there are many old outstanding unadjusted entries including entries having impact on revenue accounts and dishonored cheques standing in the bank reconciliation which are remaining unexplained and need to be reversed and appropriately accounted for. A number of cheques over and above 3 months and become time barred are being shown in the bank reconciliation statements and need proper adjustments. In the absence of complete details overall impact of the same in the financial statement cannot be ascertained.
15. (i) Rs. 1117.76 crores being net debit balance of Inter Unit Transfers under Current Assets, Loans & Advances. Since the Balance Sheet of UPPCL for the financial year 2012-13 is under audit, however, Rs. 61.51 crores (amount calculated on the basis of the differences between the audited statement of MVNL & audited statement of UPPCL for the year 2011-12) being net debit difference upto March, 2012 with holding company, M/s Uttar Pradesh Power Corporation Limited are subject to reconciliation and consequential adjustments. In absence of complete details, the effect thereof on the accounts of the company is not ascertainable. Further balances with other DISCOMs are subject to confirmation and reconciliation.
- (ii) Inspection and other consultancy payments to the consultants for RGGVY aggregating to Rs. 4.41 crores up to FY 2007-08 have been made by the cash section. However relevant advices pertain to above still have not been forwarded to the respective units for acceptance. The overall effect of these comments will reduce the Inter Unit Transfer balances under Current Assets, Loans and advances by Rs.4.41 crores and increase the balance of Capital Work in Progress by the same amount.
16. Provision of staff related liability for the VIth Pay commission w.e.f. 01.01.2006: Overall impact in the accounts of the company has been determined and the provision has been recognized in accounts.

According to the orders of UPPCL the arrear would be disbursed between F.Y. 2010-11 to F.Y. 2013-14 and after recognition of correct liability, necessary adjustment will be made in relevant year accordingly.



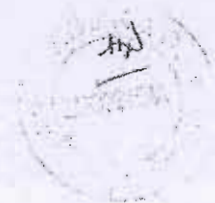


However, MVVNL has disbursed the staff related liability pertaining to period 01/04/2007 to 31/03/2008 in October' 2012 and accordingly necessary provision entry has been reversed in FY 2012-13

17. *The system of direct verification/confirmation of balances from various parties under the head Current Liabilities, Current Assets and Loans & Advances has not been followed. To this extent balances under these heads are subject to reconciliation/adjustment, if so required.*
18. *As per the Zonal Branch Auditor, in many cases no trade tax/sales tax has been deposited with concerned tax Department. For the above, liability should be created.*
19. *As reported by Management in absence of systematic reporting and proper records for pending disputes, suits, claims against the company at the unit level the contingent liabilities as at the end of the year could not be ascertained and verified, which is in contravention of AS-29.*
20. *The company has not complied with the following Accounting Standard (AS) issued by the Institute of Chartered Accountants of India referred to in Section 211 (3C) of the Companies Act 1956:*
  - (i) *AS-2 'Valuation of Inventories':- As per our observations in para 13(i) & (ii) above.*
  - (ii) *AS-6 'Depreciation Accounting':- As per our observations in para 12(i) & (ii) above.*
  - (iii) *AS-9 'Revenue Recognition':- As per our observations in para 10 above.*
  - (iv) *AS-10 Accounting for Fixed Assets: - As per our observation in para 11 (ii) above.*
  - (v) *AS-15 'Retirement Benefits': As stated in para no. 11 (i) above.*
  - (vi) *AS-29 Provision, Contingent Liability and Contingent Asset As per our observation in para 19 above.*
21. *Disclosure in respect of age wise classification of sundry debtors has not been done as required by Schedule VI to the Companies Act 1956.*
22. *The Company has not maintained cost accounting records during the current financial year as required by notification no. 635 dated 21.12.2001 issued by Central Government.*
23. *The Company has not appointed a whole-time qualified company secretary, thus contravening the provisions of Section 383 A of the Companies Act, 1956.*
24. *The prescribed details as required by Part I of Schedule VI to the companies Act, 1956 pertaining to the dues payable to Small Scale Industrial units have not been disclosed due to unascertainable of amount and interest thereon due to want of complete information.*



25. The Company Law Board by general circular No. 8 dated 22<sup>nd</sup> March' 2002, has exempted the government companies from the applicability of section 274 (1) (g) of the Companies Act, 1956.
26. Provision does not includes the Rs 72.13 lakhs against the interest accrued on the delayed payment of annual license fee to UPERC for the years from 2007-08 to 2012-13. It results understatement of current liabilities and provisions by Rs 72.13 lakhs as well as Loss.
27. Zonal Auditors reported that they could not comment upon the Capital Work in Progress including expenditure under RGGVY Scheme as the required information for capitalization of various works/project and its age wise analysis not made available to them for their verification.
28. Provision of liability for Pension & Gratuity has been made on actuarial valuation on the basis of Actuarial Valuation report dated 9.11.2000 of M/s Price Water House Coopers, which is valid for only three years. In our opinion provisions of Pension & Gratuity should be made on basis of latest Actuarial Valuation valid for the financial year ending 31<sup>st</sup> March 2013.
29. Zonal auditor's reports have been forwarded to us and have been appropriately dealt with.
30. Inadequate insurance covers of cash in hand reported by Zonal Auditors.
31. Statutory Auditor of Bareilly Zone has reported that:
- Reported that concerned staff kept cash with themselves for an unreasonable long period causing loss of interest to nigan.
  - Consumer Ledger balances are not in agreement with accounts book.
32. Statutory Auditor of Faizabad Zone made the following comments:-
- Consumer Ledger balances are not in agreement with accounts book.
  - Some Units viz EDD Gonda, EDD-Faizabad I & II & EDD- Barbanksi have unusually high amount of Temporary Imprest since long. In their opinion this matter should be seriously considered by management.
33. Statutory Auditor of LESA Zone made the following comments:-
- Statutory Auditor of LESA Zone commented on the nature of balances appearing in various heads of accounts in some of the Units of the LESA Zone. In our opinion these heads of accounts requires thorough scrutiny and accordingly adjustments in the accounts. In absence required details we cannot make any comments upon these heads and its effect on Assets and Liabilities and Loss of the Company.
  - A sum of Rs.10.46 Crore (EUDD Aishbagh Rs.4.48 Cröre & EUDD Alambagh Rs.5.98 Crore) has been wrongly booked in Operation & Other





*expenses instead of Fixed Assets, resulting expenditure is overstated & Fixed Assets are understated to the extent.*

- *During the year, interest on Security Deposits from Consumers amounting to Rs. 17.03 Crore has not been provided by the divisions (EUDD Kampur Road, CESS-I, CESS-II & EUDD Indiranagar), resulting expenditure and liability for interest on security deposits from consumers are understated.*
- *It is reported that a sum of Rs. 5.20 Crore has been adjusted as interest on security deposits from consumers in their bills by various divisions during the year. But, at the time of adjustment of interest on security deposits from consumers from their bills, the liabilities for interest on Security Deposits and Sundry Debtors are not adjusted accordingly. Hence, the liability for interest on security deposits and receivable for sale of Electricity are overstated.*

34. In our opinion and to the best of our information and according to the explanations given to us, except for the effects/possible effects of the matter described in the basis of Qualified Opinion in above Paragraphs From No.6 to 33, the financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- a) In the case of the Balance Sheet, of the state of affairs of the Company as at March,31, 2013
- b) In the case of the Statement of Profit/Loss Account, of the loss for the year ended on that date; and
- c) In the case of the Cash flow Statement, of the cash flows for the year ended on that date.

#### **Report on Other Legal and Regulatory Requirements**

35. As required by the Companies (Auditor's Report) Order, 2003 issued by the Central Government of India in terms of sub-section (4A) of section 227 of the Act, we give in the Annexure "A" a statement on the matters specified in paragraphs 4 and 5 of the Order.

36. As required by section 227(3) of the Act, we report that:

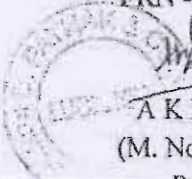
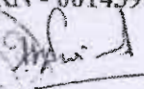
- a. We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.
- b. In our opinion proper books of accounts as required by law have been kept by the Company so far as appears from our examinations of those books and



proper returns adequate for the purposes of our audit have been received from zones/units not visited by us.

- c. The Balance Sheet, Statement of Profit/Loss, and Cash Flow statement dealt with by this Report are in agreement with the books of account and with the returns received from zones/units not visited by us.
- d. In our opinion, the Balance Sheet, Statement of Profit/Loss, and Cash Flow statement comply with the Accounting Standards referred to in sub-section (3C) of Section 211 of the Companies Act, 1956 subject to our observations in para No.6 to 33.
- e. On the basis of written representations received from the directors as on March 31, 2013, and taken on record by the Board of Directors, none of the directors is disqualified as on March 31, 2013, from being appointed as a director in terms of clause (g) of sub-section 274 of the Companies Act, 1956;
- f. Since the Central Government has not issued any notification as to the rate at which the cess is to be paid under section 441A of the Companies Act, 1956; nor has it issued any Rules under the said section, prescribing the manner in which such cess is to be paid, no cess is due and payable by the Company.

for D. Pathak & Co  
Chartered Accountants  
ERN - 001439C

  
  
A K Dwivedi  
(M. No. 071584)  
Partner

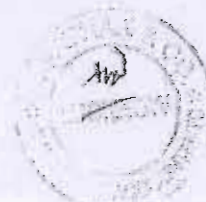
Place: Lucknow  
Dated: 24.01.2014



Annexure A

(Referred to in paragraph No. 35 our audit report of even date to the members of Madhyanchal Vidyut Vitran Nigam Limited on the accounts for the year ended on 31<sup>st</sup> March 2013)

- (i) (a) The Company has not maintained proper records showing full particulars including quantitative details and situations of fixed assets.
- (b) The company does not have a program of physical verification of fixed assets at periodic intervals; hence we are unable to comment on the discrepancies, if any, in this regard.
- (c) As reported no substantial part of fixed assets has been disposed off during the year.
- (ii) (a) Physical Verification of the Inventories has not been done in Faizabad Zone, Bareilly Zone and LESA Zone. It is reported that physical verification has not been appropriately executed and complete records relating to such verification were not made available to the auditors.
- (b) In our opinion the procedure for physical verification of Inventories particularly at distribution divisions is inadequate commensurate to the size and nature of the business of the company.
- (c) In our opinion and according to the information and explanation given to us, records of inventory maintained at store divisions are reasonable considering the nature and type of its business. The discrepancies noticed on physical verification of stores with store records were not material. The discrepancies have been dealt with in the books of accounts. As per our comments in para (b) above we are unable to comment on the procedure of physical verification, treatment of discrepancies on such verifications at distribution divisions.
- (iii) (a) Company has not granted any loans secured or unsecured to companies, firms or other parties covered in the register maintained under the section 301 of the Companies Act, 1956.
- (b) In view of (iii) (a) above clause nos. (iii) (b), (c) and (d) are not applicable.
- (c) The company has not taken any loans, secured or unsecured from companies, firms or other parties covered in the registers maintained under section 301 of the Act.
- (d) In view of (iii) (c) above rest of the sub- clauses are not applicable.
- (iv) In our opinion and according to the information and explanations given to us internal control procedures require immediate strengthening commensurate to the size of the company specially in the following areas:-
- (a) Permanent disconnections/closed/surrender of electrical connections, timely adjustment/waivers of revenue.
- (b) Control over inventory particularly valuation of stores and reconciliation with book balances.



- (c) Reconciliations of bank accounts, inter unit accounts & inter group accounts.
  - (d) Control over line losses.
  - (e) Reconciliation of receivables with books of accounts.
  - (f) Timely adjustment of temporary imprest to staff.
  - (g) Maintenance of Log Book.
  - (h) Timely deduction/deposition of Statutory dues.
  - (i) Billing pertaining to IDF/NR.
  - (j) Energy internally consumed.
- (v) (a) As informed to us there are no such contracts or arrangements the particulars whereof are required to be entered in the register required to be maintained under section 301 of the Act.
- (b) In view of (v) (a) above the clause (b) is not applicable.
- (vi) Company has not accepted any deposit from the public, hence the directions issued by the RBI and the provision of section 58 A, 58 AA or any other relevant provision of the act and the rules framed there under are not applicable.
- (vii) In our opinion and according to the information provided by the zonal auditors there exist a system of internal audit but it is reported that internal audit reports of various units were not available. Internal audit reports of stores divisions were also not available to us. Internal Audit System needs to be improved and strengthened considering the size of the company.
- (viii) Vide Government of India notification No. 635 dated 21.12.01, the maintenance of cost records has been made mandatory in the electricity industry, but these records have not been made and maintained during the year ending 31.03.2013.
- (ix) (a) It has been observed that undisputed statutory dues towards Pension, Gratuity and GPF aggregating to Rs. 300.75 crores is payable to UP Power Sector Employees Trust.
- (b) As per the Zonal branch auditor, in many cases undisputed dues related to trade tax/sales tax have not been deposited with concerned tax department. For the above, liability should be created.
- (c) According to the information provided, there were pending dues which have not been deposited on account of any dispute in respect of sales tax/ income tax/custom tax/wealth tax/excise duty/cess as at 31st March 2013.
- (x) The accumulated losses of the Company are more than the fifty percent of the net worth of the Company as on the Balance Sheet date. Further, in our opinion, the Company has incurred cash losses during the current financial year as well as immediate financial year.
- (xi) As per the information and explanation given to us the company has not defaulted in repayment of dues at the year end but the repayment of loans for the month of May 2012, June 2012, July 2012 & August 2012 have been






delayed and paid in September 2012, November 2012 & December 2012 have been delayed and paid in January 2013 and February 2013 have been delayed and paid in March 2013 to REC. The documents of loans which have been transferred to the company from Uttar Pradesh Power Corporation Limited vide office orders have not been transferred in the name of the company. Repayments of the above loans are made by the UPPCL on behalf of the company and accounting of the same is done on the basis of advice received from the UPPCL.

- (xii) The company has not granted any loans and advances on the basis of security by way of pledge of shares, debentures or other securities.
- (xiii) The company is not a chit fund, nidhi, mutual benefit fund/societies hence, clause (xiii) is not applicable.
- (xiv) The company is not dealing or trading in shares, securities, debentures and other investments, hence provisions of clause (xiv) are not applicable.
- (xv) As informed to us the company has not given any guarantee for loans taken by others from banks or financial institutions.
- (xvi) As per the information and explanation given to us loan funds were applied for the purpose for which the loans were obtained.
- (xvii) As per information or explanation given to us, the funds received on short term basis have not been used for long term investments.
- (xviii) The company has not made any preferential allotment of shares; hence clause (xviii) is not applicable.
- (xix) The company has not issued any debentures hence clause (xix) is not applicable.
- (xx) The company has not raised any money by public issue; hence clause (xx) is not applicable.
- (xxi) As per the explanation given by the management, no fraud has been detected during the year.

for D. Pathak & Co  
Chartered Accountants

FRN - 001439C

  
A K Dwivedi

(M. No. 071584)

Partner

Place: Lucknow  
Dated: 24.01.2014

## **Annexure-3**

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



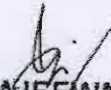
MADHYANCHAL VIDYUT VITRAN NIGAM LTD.

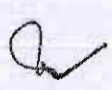
4 A, GOKHLEY MARG, LUCKNOW

**BALANCE SHEET AS AT 31.03.2014**

(Amount in Rs.)

PARTICULAR	NOTE	As at 31.03.14	As at 31.03.13
<b>A EQUITY AND LIABILITIES</b>			
<b>1 Shareholders funds :</b>			
Share Capital	(1)	27804437000	23061584000
Reserve & Surplus	(2)	-95292567292	-77295752765
Money received under share warrants		-	-
<b>2 Share application money pending for allotment</b>			
	(3)	15181061119	6961062921
<b>3 Non-current liabilities</b>			
Long-term borrowings	(4)	90358530799	62186889455
Deferred Tax Liabilities		-	-
Other Long term Liabilities		-	-
Other Long term Provisions		-	-
<b>4 Current liabilities</b>			
Short Term Borrowings		-	-
Trade payables	(5)	9658548668	39132712945
Other current liabilities	(6)	63779333673	102144154144
Short Term Provisions		-	-
<b>Total</b>		<b>120689243967</b>	<b>156191430700</b>
<b>B ASSETS</b>			
<b>1 Non-current assets</b>			
<b>Fixed Assets</b>			
Tangible Assets	(7)	25430571468	23306814271
Intangible Assets		-	-
Capital Work in Progress	(8)	17550872359	12012251831
Intangible Assets Under development		-	-
Non Current Investments		-	-
Deferred Tax Assets		-	-
Long-term Loans & Advances		42981443827	35349066102
<b>2 Current Assets</b>			
Current investments		-	-
Stores & Spares	(9)	1188449060	1887720305
Trade receivables	(10)	33332348810	37520806506
Cash and Cash Equivalents	(11)	13527684726	6915425859
Short-term loans and advances	(12)	18674909	7635536
Other Current Assets	(13)	29642642635	77707800140
		74510776392	120842384508
<b>TOTAL</b>		<b>120689243967</b>	<b>156191430700</b>
Significant Accounting policies	(23)		
Notes on Accounts	(24)		
Note 1 to 24 form integral part of			


  
**( RAM SAJEEWAN )**  
 CHIEF GENERAL MANAGER  
 (FINANCE & ACCOUNTS)  
 M. V. V. N. L.


  
 प्रबन्ध निदेशक  
 मन्दि विनिगलि

**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
4 A, GOKHLEY MARG, LUCKNOW

**PROFIT AND LOSS ACCOUNT FOR THE PERIOD FROM 01.04.13 TO 31.03.14**

		(Amount in Rs.)	
PARTICULAR	NOTE	FOR THE PERIOD FROM 01.04.13 TO 31.03.14	FOR THE PERIOD FROM 01.04.12 TO 31.03.13
<b>INCOME</b>			
Revenue from sale of power (Gross)	(14)	4876703796	36918393907
Less Electricity Duty		2888785429	1678494228
Energy internally Consumed		1093591910	1365718593
<b>Other Income</b>			
Other Income	(15)	9983189025	7754206295
<b>TOTAL</b>		<b>56955032796</b>	<b>44359824567</b>
<b>EXPENDITURE</b>			
Cost of Materials Consumed			
Purchase of Power	(16)	57799610875	49746972792
Changes in Inventories of finished Goods WIP & Stock in Trade			
Employees Cost	(17)	4086646439	4360562276
Operation & Other Expenses	(18)	3540399558	3223634462
Finance Cost	(19)	9533409850	6743343383
Depreciation and amortization Expense	(20)	1298170826	1134292181
Provisions	(21)	-220445142	506496038
<b>TOTAL EXPENSES</b>		<b>76033792406</b>	<b>65715301134</b>
Net Profit/(Loss) For the Year		-19078759610	-21355476567
Net prior period Income/(Expenditure)	(22)	155998091	-1025471430
Net Profit/(Loss)		-19234757701	-20330005137
Accumulated loss brought forward		-84703774133	-64373768996
Net Profit/(Loss) Carried Over to Reserve & Surplus Note-2		-103938531834	-84703774133
<b>Earning Per Share:-</b>			
Basic		-3172	-2944
Diluted		-12167	-4797
<b>Significant Accounting policies</b> (23)			
<b>Notes on Accounts</b> (24)			
Note 1 to 24 form integral part of Accounts			

  
**( RAM SAJEEWAN )**  
CHIEF GENERAL MANAGER  
(FINANCE & ACCOUNTS)  
M. V. V. N. L.

  
**( A. P. MISHRA )**  
Managing Director  
M. V. V. N. L.  
4-A, Gokhle Marg, Lucknow



MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-1

SHARE CAPITAL

PARTICULARS	(Amount in Rs.)	
	As at 31.03.14	As at 31.03.13
A. <u>AUTHORISED</u> 4000000 (Previous Year 4000000 ) Equity Shares of Rs.1000/-each	4000000000	4000000000
B. <u>ISSUED SUBSCRIBED AND PAID UP</u>		
(i) 27803937 (23061064) Equity Share of Rs.1000/- each fully paid up allotted to UPPCL	27803937000	23061064000
(ii) Promoters' Shares (500 Equity Share of Rs. 1000/- each)	500000	500000
<b>TOTAL</b>	<b>27804437000</b>	<b>23061564000</b>



**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-2

RESERVES AND SURPLUS

PARTICULARS	(Amount in Rs.)	
	As at 31.03.14	As at 31.03.13
<b>A. Capital Reserve</b>		
<b>Consumers Contributions towards Service Line and other charges</b>		
As per last Balance Sheet	7733141752	6887208822
Add: Received during the year	1693273416	1438001360
	9426415168	8325210182
Less: Transfer to P/L Account	390400065	592068430
	9036015103	7733141752
 <b>Subsidies towards Cost of Capital assets</b>		
As per last Balance Sheet	824053198	860777648
Add: Received during the year	0	87040000
	824053198	947817648
Less: Transfer to P/L Account..	56795458	123764450
	767257740	824053198
 <b>B. Grants</b>		
<b>APDRP Grant</b>		
As per last Balance Sheet	96098210	115241798
Add: Received during the year	0	0
	96098210	115241798
Less: Transfer to P/L Account	8234719	19143588
	87863491	96098210
 <b>D. Restructuring reserve a/c / Material Cost variance</b>		
As per last Balance Sheet	-1245271792	0
Add: Received during the year	0	-1245271792
	-1245271792	-1245271792
 <b>C. Surplus in the statement of P/L Account</b>		
As per last Balance Sheet	-84703774133	-64373768996
Add: Profit/(Loss) for the year	-19234757701	-20330005137
	-103938531834	-84703774133
<b>GRAND TOTAL</b>	<b>-95292667292</b>	<b>-77295752765</b>

*(Handwritten signature)*




MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-3

SHARE APPLICATION MONEY

PARTICULARS	(Amount in Rs.)	
	As at 31.03.14	As at 31.03.13
SHARE APPLICATION MONEY (Pending for allotment to UPPCL)	15181061119	6961862921
Total	15181061119	6961862921



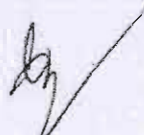
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**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
4 A, COKHLEY MARG, LUCKNOW

Details of shares held by the holding company, the ultimate holding company, their subsidiaries and associates

PARTICULARS	Equity Shares with voting rights Number of shares			
As at 31.03.14 UPPCL, the holding company	27803937			
As at 31.03.13 UPPCL, the holding company	23061064			
Details of shares held by each shareholder holding more than 5% shares:				
Class of shares/Name of shareholder	As at 31.03.14		As at 31.03.13	
	Number of shares held	% holding in that class of shares	Number of shares held	% holding in that class of shares
Equity shares with voting rights UPPCL	27803937	99.99	23061064	99.99

1. Aggregate number and class of shares allotted as fully paid up pursuant to contract(s) without payment being received in cash, bonus shares and shares bought back for the period of 5 years immediately preceding the Balance Sheet date.
2. 4742873 fully paid Equity shares of Rs. 1000 each were allotted in the year 2013-14.
3. The Company has only one class of Equity Shares having a par value of Rs.1000/- per Share.
4. During the year, no dividend has been declared by the board due to heavy accumulated losses.





**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
4 A, GOKHLEY MARG, LUCKNOW

Reconciliation of the number of shares and amount outstanding at the beginning and at the end of the

PARTICULARS	Opening Balance	Fresh Issue	Bonus	ESOP	Conversion	Buy Back	Closing
Issued, Subscribed & Paid-up							
Equity shares fully paid up							
Year ended 31 March, 2014							
- Number of shares	23061564	4742873					27804437
- Amount (Rs.)	23061564000	4742873000					27804437000
Year ended 31 March, 2013							
- Number of shares	14133117	8928447					23061564
- Amount (Rs.)	14133117000	8928447000					23061564000

*[Handwritten Signature]*

MADHYANCHAL VIDYUT VITRAN NIGAM LIMITED  
4 A, GOKHLEY MARG, LUCKNOW

Note - 4

LONG TERM BORROWINGS

(Amount in Rs.)

PARTICULARS	Non-Current		Current Maturities	
	As at 31.03.2014	As at 31.03.2013	As at 31.03.2014	As at 31.03.2013
<b>A. SECURED LOAN -</b>				
(i) Power Finance Corporation Ltd. (APDRP) (Secured against hypothecation of New Created Assets)	259863380	324711840	54828459	49621344
(ii) Power Finance Corporation Ltd. (R - APDRP) (Secured against hypothecation of New Created Assets)	3036667595	3036667595	0	0
(iii) Rural Electrification Corporation Ltd. (APDRP) (Secured against hypothecation of New Created Assets)	311821300	389829700	58008400	50008400
(iv) Rural Electrification Corporation Ltd. (R - APDRP) (Secured against hypothecation of New Created Assets)	452670489	0		
(v) Rural Electrification Corporation Ltd. (Capital) (Secured against hypothecation of New Created Assets)	226707875	227714285	0	0
(vi) Rural Electrification Corporation Ltd. (STL) (Secured against hypothecation of dues and charge on receivables of specified receipt account through escrow arrangements)	166666767	2053030392	166666767	2409898058
<b>LOAN BY UPPCL on behalf of MVVNL</b>				
(vi) Punjab National Bank (Receivables)	7027122061	5753726306	0	0
(vii) Vija Bank (Receivables)	1682050497	1537377362	0	0
(viii) Bank Of India (Receivables)	1366213146	1186350844	0	0
(ix) Oriental Bank Of Commerce (Receivables)	3439453075	2938345233	0	0
(x) LICC Bank (Receivables)	2741086697	2339061262	0	0
(xi) Bank Of Maharashtra (Receivables)	840487360	720213948	0	0
(xii) Bank Of Baroda (Receivables)	1194206618	941519159	0	0
(xiii) Punjab & Sind Bank (Receivables)	1746458603	1440242858	0	0
(xiv) Corporation Bank (Receivables)	2066920248	1758895531	0	0
(xv) South Indian Bank (Receivables)	353439547	300145718	0	0
(xvi) Kanur Vyas Bank (Receivables)	39673399	54260665	0	0
(xvii) Federal Bank (Receivables)	174244348	146885641	0	0
(xviii) Syndicate Bank (Receivables)	610967037	522149782	0	0
(xix) Central Bank Of India (Receivables)	5930694195	5077123290	0	0
(xx) State Bank Of India (Receivables)	2141195287	1846359947	0	0
(xxi) Union Bank Of India (Receivables)	4118725881	3428231991	0	0
(xxii) Allahabad Bank (Receivables)	2563344554	4393856494	0	0
(xxiii) Dena Bank (Receivables)	1248368717	1055150864	0	0
(xxiv) Indian Overseas Bank (Receivables)	1647079914	1367236387	0	0
(xxv) Canara Bank (Receivables)	5171791222	4405959172	0	0
<b>Total</b>	<b>50532134833</b>	<b>47263060735</b>	<b>289503626</b>	<b>2576326702</b>

Continue ..... 2



## LONG TERM BORROWINGS

(Amount in Rs.)

PARTICULARS	Non-Current		Current Maturities	
	As at 31.03.2014	As at 31.03.2013	As at 31.03.2014	As at 31.03.2013
<b>9.68% Secured Non-Convertible Bonds Through UPPCL</b>				
(i) Punjab National Bank (Receivables)	4236495557	0	0	0
(ii) Vijaya Bank (Receivables)	784139552	0	0	0
(iii) Oriental Bank Of Commerce (Receivables)	1721359914	0	0	0
(iv) UCB Bank (Receivables)	1380980720	0	0	0
(v) Bank Of Maharashtra (Receivables)	413412902	0	0	0
(vi) Bank Of Baroda (Receivables)	1401614963	0	0	0
(vii) Punjab & Sind Bank (Receivables)	1051866577	0	0	0
(viii) Corporation Bank (Receivables)	641341766	0	0	0
(ix) South Indian Bank (Receivables)	176217018	0	0	0
(x) Kanar Vyas Bank (Receivables)	48069931	0	0	0
(xi) Federal Bank (Receivables)	131450740	0	0	0
(xii) Syndicate Bank (Receivables)	304704736	0	0	0
(xiii) Central Bank Of India (Receivables)	3347288049	0	0	0
(xiv) State Bank Of India (Receivables)	1014430732	0	0	0
(xv) Union Bank Of India (Receivables)	3357135775	0	0	0
(xvi) Allahabad Bank (Receivables)	2175791835	0	0	0
(xvii) Dena Bank (Receivables)	629315673	0	0	0
(xviii) Canara Bank (Receivables)	2630462382	0	0	0
Total	25448108442	0	0	0
<b>B. UNSECURED LOANS -</b>				
<b>(a) Transfer Scheme</b>				
(i) Govt. of UP	0	50000000	0	0
(ii) Rural Electrification Corporation Ltd (Guaranteed by Govt. of UP)	1708968780	1804411143	95442383	104537821
(iii) Power Finance Corporation Ltd (Guaranteed by Govt. of UP)	254826574	43416488	16933704	18959794
(iv) U.P. State Industrial Development Corporation Ltd	3878747	3878747	0	0
(v) Financial Participation by Consumers	21513583	21513583	0	0
(vi) Other Loans	6942000	6942000	0	0
Total	1767885764	1930261941	112376177	123477615
<b>(b) LOAN BY UPPCL on behalf of MVVNL</b>				
(i) Govt. of UP (APDRP)	0	241106000	0	29420462
(ii) Govt. of UP (World Bank)	0	1133053000	0	79810290
(iii) HUDCO (Guaranteed by Govt. of UP)	21847300190	3034645857	869915567	776278009
(iv) REC Transnational (Guaranteed by Govt. of UP)	10063694820	4250000000	0	0
(v) PFC Transnational (Guaranteed by Govt. of UP)	10174907120	7324972200	0	0
(vi) NIDDA	479976000	317400000	0	0
(vii) Mata S. Parikhast	0	186700000	0	0
Total	22802197130	1659876857	869915567	876505761
<b>GRAND TOTAL</b>	<b>100654326169</b>	<b>55783199533</b>	<b>1271795370</b>	<b>3576310678</b>
Less:- Current Maturities of Long Term Borrowings	1271795370	3576310678		
Non Current Long Term Maturities	99382850799	62106889455		

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-5

TRADE PAYABLES

(Amount in Rs.)

PARTICULARS	As at 31.03.14	As at 31.03.13
Uttar Pradesh Power Corporation Ltd.		
Liability for Power Purchase	5275063733	34098104966
Uttar Pradesh Power Transmission Corporation Ltd.		
Liability for Transmission Charges	4583484935	5034607979
<b>GRAND TOTAL</b>	<b>9858548668</b>	<b>39132712945</b>





MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-6

OTHER CURRENT LIABILITIES

(Amount in Rs.)

PARTICULARS	As at 31.03.14	As at 31.03.13
Current Maturities of Long Term Borrowings	1271795370	3576310078
Interest Accrued and due on borrowings	1003467839	654527693
Liability for Capital Supplies/ Works	6670563834	5028767217
Liability for O & M Supplies / Works	1034408581	668640028
Staff Related Liabilities	2654228972	2188923978
Deposits & Retentions from Suppliers & Others	1066847742	724450906
Electricity Duty & Other Levies payable to Govt.	3159110811	1942612208
Deposit for Electrification works	535240187	359656406
Sundry Liabilities	8881740672	7219335954
Payable to UPPCL	27782985720	70484923145
Liabilities for Expenses	49734032	64956961
Provident Fund Liabilities	4042287166	4080988869
Pension and Gratuity Liability	1079331740	1204366470
Interest accrued but not due on Borrowings	1095801981	683249372
Security Deposits from Consumers	2909024723	2549492683
Interest on Security Deposits from Consumers	109608922	89617503
<u>Provisions :</u>		
VI pay commission revision	441406853	442238413
Audit Exp.	630528	846260
<b>Total</b>	<b>63779333673</b>	<b>102144154144</b>

**Fixed Assets**

Particulars	Gross Block				Depreciation				(Amount in Rs.)	
	As at 31.03.13		As at 31.03.14		As at 31.03.13		As at 31.03.14		As at 31.03.14	As at 31.03.13
	Additions	Deductions / Adjustments	Additions	Deductions / Adjustments	Additions	Deductions / Adjustments	Additions	Deductions / Adjustments		
Land & Land Rights	311475	0	311476	0	0	0	0	0	311476	311476
Buildings	337595245	12271426	460314072	20044324	11272815	0	0	0	420993703	30654712
Plant & Machinery	5381805160	4392126643	5529306401	(2720616250)	963813112	1485244110	(3242047248)	0	6770293849	8102421410
Lines, Cable Network etc.	13772114966	2129367927	15747679193	2069042706	706487344	105830994	2666699066	0	13078920135	11703372588
Vehicles	41517394	3330	41620724	14548179	3953652	0	18501929	0	23018666	26959210
Furniture & Fixtures	49648664	7410775	50609439	10332585	3090093	0	13405878	0	42681781	36339079
Office Equipments	400931843	2971162	403903605	93432463	64991652	0	159423315	0	245490090	307490700
Assets taken over from licensees pending final valuation	0	177000	177000	0	0	0	0	0	177000	0
<b>Sub Total</b>	<b>19683039749</b>	<b>665472263</b>	<b>27238321910</b>	<b>(505124794)</b>	<b>1753001068</b>	<b>1592075104</b>	<b>(943598890)</b>	<b>0</b>	<b>22581020740</b>	<b>20498165543</b>
balances received from GOUP	16010300000	0	16010300000	13161649272	0	0	13161649272	0	2944650728	2640650728
<b>Total</b>	<b>35693336749</b>	<b>665472263</b>	<b>43848621910</b>	<b>12656524478</b>	<b>1753601068</b>	<b>1592075104</b>	<b>(2810050442)</b>	<b>0</b>	<b>25430571465</b>	<b>23330814971</b>
<b>Previous Year</b>	<b>38,219,230,102</b>	<b>3,161,091,966</b>	<b>33,975,338,749</b>	<b>12,784,667,843</b>	<b>1,069,269,186</b>	<b>1,107,412,551</b>	<b>12,656,524,478</b>	<b>0</b>	<b>23,336,814,271</b>	<b>21,462,567,259</b>



MADHYANCHAL VIDYUT VITRAN NIGAM LTD.

GOKHLEY MARG, LUCKNOW.

Note - 8

CAPITAL WORKS IN PROGRESS

( Amount in Rs. )

PARTICULARS	As at 31.3.2014	As at 31.3.2013
Capital Work in Progress *	7274845307	2581197154
Revenue Expenses pending for Capitalisation **	204839657	101048890
SUB TOTAL ( A )	7479684964	2682246044
Advances to Suppliers/Contractors	10071187395	9330005787
GRAND TOTAL	17550872359	12012251831

Notes :

\* It includes Establishment and Administration & General Cost related to works.

\*\* It includes Borrowing Cost only related to works.



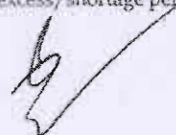
MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-9

INVENTORIES

PARTICULARS	(Amount in Rs.)	
	As at 31.03.14	As at 31.03.13
Stores and Spares	1598601080	2299872325
Less: Provision for unserviceable store	412152020	412152020
<b>TOTAL</b>	<b>1186449060</b>	<b>1887720305</b>

Notes : Stores and Spares includes capital, and O&M material, obsolete material, scrap transformer sent for repair, material found excess/shortage pending for investigation.





MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-10

TRADE RECEIVABLE

(Amount in Rs.)

PARTICULARS	As at 31.03.14	As at 31.03.13
<u>Sundry Debtors</u>		
<u>Debt outstanding for a period not more than six months</u>		
Secured & Considered Good	3009633645	2639350186
Unsecured & considered good	30322715165	34881456320
Considered doubtful	<u>10060365726</u>	<u>43392714536</u>
		47801617374
Less - Provision for Bad & Doubtful Debts	10060365726	10280810868
<b>NET DEBTORS</b>	<b>33332348810</b>	<b>37520806506</b>



MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

Note-11

CASH AND CASH EQUIVELENT

(Amount in Rs.)

PARTICULARS	Non-Current		Current Maturities	
	As at 31.03.14	As at 31.03.13	As at 31.03.14	As at 31.03.13
Balances in Current Accounts	0	0	5481061384	4978225498
Balance in Fixed Deposit	0	0	7362798311	693741698
Cash in hand	0	0	683825031	1243458663
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>13527684726</b>	<b>6915425859</b>





MADHYANCHAL VIDYUT VITRAN NIGAM LTD.  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-12

SHORT TERM LOANS AND ADVANCES

(Amount in Rs.)

PARTICULARS	As at 31.03.14	As at 31.03.13
ADVANCES (Unsecured)		
Suppliers / Contractors	4317874	2722305
	<u>4317874</u>	<u>2722305</u>
ADVANCES (Secured)		
Staff	3973095	3704720
<u>Income Tax Department</u>		
Tax Deducted at source	10383940	1208511
	<u>14357035</u>	<u>4913231</u>
<b>TOTAL</b>	<b>18674909</b>	<b>7635536</b>



**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
4 A, GOKHLEY MARG, LUCKNOW

NOTE-13

OTHER CURRENT ASSETS

PARTICULARS	(Amount in Rs.)	
	As at 31.03.14	As at 31.03.13
Income accrued on deposit	26807344	22106673
Non current bank balance note-11	0	0
<u>Receivables</u>		
Uttar Pradesh Power Corporation Ltd.	11916662129	59106327258
<u>Receivables from staff</u>		
Employees	743604931	684363707
Less Provision for doubtful Receivable		
Misc. Receivable	4084657801	3515012220
Theft of fixed Assets pending investigation	19294941	19294941
Less Provision for Estimated Loss	<u>19294941</u>	<u>19294941</u>
Inter Unit Transfer:		
IUT	12866160195	11177640786
Prepaid Expenses	4750235	5125748
<b>TOTAL</b>	<b>29642642635</b>	<b>74510776392</b>





**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 14

REVENUE FROM OPERATIONS

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
Extra State Consumers	284519418	322015331
<b>Large Supply Consumers</b>		
Industrial	12405877476	8960757860
Traction	623199524	260729650
Irrigation	449271145	445439167
Public Water Works	2390082979	1654369733
	15868411124	11321296410
<b>Small &amp; Others Consumers</b>		
Domestic	13286229854	10467994663
Commercial	6064366094	4676947360
Industrial Low & Medium Voltage	3038963852	2521789731
Public Institution	1959635662	1621062177
Public Lighting	2142426964	1625132009
STW & Pump Canals	2801326661	2665678385
PTW & Sewage Pumping	910147972	788353694
Miscellaneous Charges from consumers	561956267	328491864
Less - Energy internally Consumed	-1093591910	-1365718593
<b>Sub Total</b>	<b>45844391958</b>	<b>35193043031</b>
Add Electricity Duty	2922645332	1725350876
<b>TOTAL</b>	<b>48767037290</b>	<b>36918393907</b>

Note - 15

OTHER INCOME

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
<b>Subsidies</b>		
(a) Revenue Loss & Tariff Subsidy from Govt. of U.P.	8178600000	5972600000
<b>Sub Total</b>	<b>8178600000</b>	<b>5972600000</b>
(b) <b>Interest income :</b>		
Loans to Staff	65479	34446
Fixed Deposits	276033804	140327230
Other	8133675	3396528
	284832958	143760204
(c) <b>other non operating income -</b>		
Delayed Payment Charges	1488147212	1605081877
Income from Contractors/Suppliers	29020805	14922413
Rental from Staff	479667	496264
Miscellaneous Receipts	2020101	17096891
Excess found on physical verification of Stores	88282	48646
<b>Sub Total</b>	<b>1804589025</b>	<b>1781406295</b>
<b>TOTAL</b>	<b>9983189025</b>	<b>7754206295</b>



**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 16

**PURCHASE OF POWER**

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
<b>Power Purchased from -</b>		
UPPCL	55871466000	47459453430
Transmission Charges UPPTCL	1924144875	2287519362
<b>TOTAL</b>	<b>57796610875</b>	<b>49746972792</b>

Note - 17

**EMPLOYEES COST**

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
Salaries & Allowances	1898462431	1898349806
Dearness Allowance	1427535104	1225714397
Other Allowances	155267804	166260456
Bonus/ Ex-gratia	32393621	54178463
Medical Expenses ( Re-imburement )	31780062	39682169
Leave Travel Assistance	22825	0
Earned Leave Encashment	704663399	1250007258
Compensation	1723423	1604236
Staff Welfare Expenses	9212462	27836176
Pension & Gratuity	525177194	427482152
Other Terminal Benefits	85696530	64098596
<b>Sub Total</b>	<b>4871934755</b>	<b>5155233719</b>
<b>LESS - Expenses Capitalised</b>	<b>785288316</b>	<b>794671441</b>
<b>TOTAL</b>	<b>4086646439</b>	<b>4360562278</b>





**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 18

OPERATION & OTHER EXPENSES

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
<b>REPAIR AND MAINTENANCE</b>		
Plant & Machinery	718446702	545462904
Buildings	126596442	86300466
Other Civil Works	4914436	1175451
Lines Cables net works etc.	1323849988	932806467
Vehicles - Expenditure	18268400	2410873
Furniture & Fixtures	598740	7480
Office Equipments	1880857	2743983
<b>OTHER EXPENSES</b>		
Rent	2417955	2714942
Rates and Taxes	0	29411
Insurance	1636890	1901335
Communication Charges	26026412	27298735
Legal Charges	21294028	11800416
<b>Auditors Remuneration &amp; Expenses</b>		
Audit Fee	2607493	3324449
Travelling Expenses	621849	438500
Consultancy Charges	2429430	14364200
Technical Fees & Professional charges	1604123	173655
Travelling and Conveyance	39507818	31678176
Printing and Stationery	22116180	17527712
Advertisement Expenses	23154755	17005983
Electricity Charges	1093591910	1365718593
Water Charges	1160082	3075932
Entertainment	75912	4292
Miscellaneous Expenses	247879765	278021457
<b>SUB TOTAL</b>	<b>3681779167</b>	<b>3345885412</b>
<b>LESS - Expenses Capitalised</b>	<b>160366825</b>	<b>133734884</b>
<b>SUB TOTAL</b>	<b>3521412342</b>	<b>3212250528</b>
<b>OTHER EXPENSES</b>		
Compensation ( Other than staff )	16299646	9907986
Other Losses	2687570	1475948
<b>TOTAL</b>	<b>3540399568</b>	<b>3223634462</b>



**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 19

FINANCE COST

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
Interest on Loans		
Government of UP	59745442	315915372
PFC	876777127	243800706
REC	1206663484	712047517
HUDCO	335486368	350328310
BANKS	5747864154	5129788354
	8226536585	6751880259
Interest Bonds	1227693655	0
Interest to Consumers	179811336	91409281
Bank Charges	680879	1102753
Discount to consumers	2478162	0
SUB-TOTAL	9637200617	6844392273
LESS - Interest Capitalised	103790767	101048890
<b>GRAND TOTAL</b>	<b>9533409850</b>	<b>6743343383</b>

Note - 20

DEPRECIATION

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
Depreciation	1753601068	1589722423
Less Equivalent amount of Depreciation on Assets acquired out of the Cosumer's Contribution and GOUP's Capital Subsidy	455430242	455430242
<b>GRAND TOTAL</b>	<b>1298170826</b>	<b>1134292181</b>



**MADHYANCHAL VIDYUT VITRAN NIGAM LTD.**  
GOKHLEY MARG, LUCKNOW.

Note - 21

**PROVISIONS**

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
<b>PROVISIONS</b>		
Doubtful debts ( Sale of Power )	-220445142	506496038
<b>TOTAL</b>	<b>-220445142</b>	<b>506496038</b>

Note - 22

**NET PRIOR PERIOD INCOME/EXPENDITURE**

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
<b>A INCOME</b>		
a Other Income	0	13510787
<b>subtotal</b>	<b>0</b>	<b>13510787</b>
<b>B EXPENDITURE</b>		
a O & M Expenses	2204163	-391989014
b Employee Cost	151171098	325816787
c Interest & Finance Charges	0	-298865474
d Administrative & General Exp	2622830	153076541
e Depreciation Under/Excess Provided	0	-799999463
<b>subtotal</b>	<b>155998091</b>	<b>-1011960643</b>
<b>Net Amount</b>	<b>155998091</b>	<b>-1025471430</b>



**MANDHYANCHAL VIDYUT VITRAN NIGAM LIMITED**  
**4-A GOKHLEY MARG, LUCKNOW**

Note-23

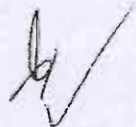
SIGNIFICANT ACCOUNTING POLICIES

1. GENERAL

- (a) The financial statements are prepared in accordance with the 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) Act, 2003 have been adopted.
- (b) The accounts are prepared under historical cost convention, on accrual basis unless stated otherwise and on accounting assumption of going concern.
- (c) Subsidy, Grants etc are accounted for on cash basis. Interest on loans to staff is accounted for on receipt basis after the recovery of principal in full.

2. FIXED ASSETS

- (a) Fixed Assets are shown at the value transferred as per transfer Scheme, 2003.
- (b) All costs relating to the acquisition and installation of fixed assets till the date of commissioning are capitalized.
- (c) Consumers Contribution, Grants and subsidies received towards cost of capital assets are treated initially as capital reserve and subsequently amortized in the proportion in which depreciation on related asset is charged.
- (d) In the case of commissioned assets, where final settlement of bills with the contractor is yet to be affected, capitalization is done, subject to necessary adjustment in the year of final settlement.
- (e) Due to multiplicity of functional units as well as multiplicity of function at particular unit, employees cost and general & administration expenses to capital works are capitalized @ 15% on distribution and Deposit work, 11% on other works on the amount of total expenditure.



1



- (f) Borrowing cost on loan for Capital Works is capitalized during the year.

### 3. DEPRECIATION

- (a) Depreciation is charged as per Electricity (Supply) Act, 2003 on straight line method at the rates prescribed in the schedule XIV of The Companies Act, 1956.
- (b) Depreciation is provided only on fixed assets in existence at the beginning of the year as per Electricity (Supply) Act, 2003.
- (c) Fixed assets are depreciated up to 95% of original cost after taking 5% as the residual value of assets.

### 4. STORES & SPARES

- (a) Store and 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.

### 5. REVENUE/EXPENDITURE RECOGNITION


- (a) Revenue from sale of energy is accounted for on accrual basis.
- (b) The sale of electricity does not include electricity duty payable to the State Govt., as the same is not the income of the Nigam.
- (c) Assessment of own energy consumption is done on the basis of connected load/hours of supply/meters.
- (d) Sale of energy is accounted for based on tariff rates approved by U. P. Electricity Regulatory Commission.
- (e) In case of detection of theft of energy, the consumer is billed on laid down norms irrespective of actual realisation from the consumer.
- (f) Penal interest, overdue interest, commitment charges, restructuring charges and incentives/rebates on loans are accounted for on cash basis after final ascertainment.


6. POWER PURCHASE

The bulk power purchase from UPPCL is accounted for on the basis of bills raised by the UPPCL, the holding company.

7. RETIREMENT BENEFITS

- (a) Liability for pension & Gratuity in respect of employees has been determined on the basis of actuarial valuation and has been accounted for on accrual basis.
- (b) Post retirement medical benefits are accounted for on the basis of claims received and approved during the year.

  
( RAM SAJEEWAN )  
CHIEF GENERAL MANAGER  
(FINANCE & ACCOUNTS)  
M. V. V. N. L.

  
( A. P. MISHRA )  
Managing Director  
M. V. V. N. L.  
4-A, Gokhle Marg, Lucknow

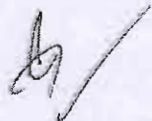


**MANDHYANCHAL VIDYUT VITRAN NIGAM LIMITED**  
**4-A GOKHLEY MARG LUCKNOW**

NOTE No. 24

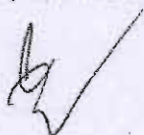
Notes on Accounts annexed to and forming part of Balance Sheet as at 31.03.2014 and Profit & Loss Account for the Period ended on that date.

1. The Nigam was incorporated under the Companies Act 1956 on 01.05.2003, and commenced the business operation w.e.f. 12.8.2003 in terms of Government of U.P. Notification No. 2740/P-1/2003-24-14P/2003 dated 12.8.2003.
2. The Nigam is a subsidiary of Uttar Pradesh Power Corporation Limited. The annual accounts for the year 2013-14 are based on the balances of assets and liabilities transferred as per Transfer Scheme, 2003 "Annexure A" (except Cash & Bank Balance which are taken at actual as on 12.08.03). The final Transfer Scheme is yet to be issued and the opening balances as on 12.08.2003 will be adjusted accordingly.
3. The Share Capital includes the shares allotted to the subscribers of the Memorandum of Association.
4. Amount received on account of Rajiv Gandhi Gramin Vidyutikaran Yojna (Rs. 778,20,27,229.00), Capital/Business Plan (Rs. 236,44,25,000.00), Vyapar Vikas Nidhi (Rs. 95,06,00,000.00), S V Yojna (Rs. 23,14,73,000.00), Grant for PTW (Rs. 13,79,00,000.00), Construction of Bay (Rs.1,98,24,000.00), APDRP (Rs. 1,71,56,887.96), R-APDRP (Rs. 1,30,25,001.65), Tehsil (Rs. 2,14,81,079.00) and Transfer of Govt Loan to Equity (Rs. 142,41,59,000.00) aggregating Rs. 1296,20,71,197.61 by Uttar Pradesh Power Corporation Limited from Government of Uttar Pradesh as Equity on behalf of Nigam have been shown as Share application money of Uttar Pradesh Power Corporation Limited in the Balance Sheet.
5. The liability for G.P.F, Pension and Gratuity during the year is discharged to Uttar Pradesh Power Sector Employees Trust by Uttar Pradesh Power Corporation Limited /Madhyanchal Vidyut Vitran Nigam Limited and where liability discharged by Uttar Pradesh Power Corporation Limited, is shown by Nigam as payable to Uttar Pradesh Power Corporation Limited.





6. Depreciation has been provided on Straight Line Method basis on the opening balances of fixed assets as on the beginning of the year. Further, as per directives of Comptroller & Auditor General of India, the depreciation has been provided during the year on the rates prescribed in the Schedule-XIV of The Companies Act, 1956 on the assets created after 12.08.03. In absence of assets-wise break up of Plant & Machinery, Lines, Cables and Other assets, the depreciation on these assets has been provided during the year @ 4.75% on the value transferred as per Transfer Scheme 2003, being the rate prescribed for majority of items in the Schedule-XIV of The Companies Act, 1956.
7. Receivables from Uttar Pradesh Power Corporation Limited includes Rs. 25,07,06,381.00 regarding difference in opening balance received as per GoUP and actual Cash & Bank balance (GoUP balance Rs. 90,19,00,000.00 - Actual balance Rs. 65,11,93,619.00 = Rs. 25,07,06,381.00 ).
8. The amount of Equity, Subsidies and Grants were received from the State Government and Loans were received from FI's & Banks by the Uttar Pradesh Power Corporation Limited centrally, being the Holding Company and have been distributed by the Holding Company to the DISCOMs, which have been accounted for accordingly.
9. Balances of Receivables from and Payable to Uttar Pradesh Power Corporation Limited are under reconciliation. However, Liabilities of Power Purchase, Investment of Uttar Pradesh Power Corporation Limited in DISCOM, Loans, Subsidies and Grants are duly reconciled.
10. (a) Age-wise classification of Sundry Debtors could not be given for want of age-wise details of receivables transferred under the transfer Scheme-2003.  
(b) The provision for bad and doubtful debts against revenue from sale of Power has been made @ 5% on the incremental debtors during the year.
11. Based on actuarial valuation report submitted by M/s Price Waterhouse Coopers to Uttar Pradesh Power Corporation Limited (the Holding Company) provision for accrued liability on account of Pension and Gratuity for the year 2013-14 has been made @ 16.70% and 2.38% respectively on the amount of basic pay and DA paid to employees.





12. 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.
13. Liability towards medical expenses and LTC has been provided to the extent established.
14. As per Clause IV of Schedule VI of Electricity (Supply) Act, 2003 the Nigam is required to transfer a minimum of 0.25% of gross value of fixed assets from its revenue to Contingency Reserve Account. Since the Nigam has losses this appropriation has not been made.
15. Employees cost includes remuneration to Directors as under:-

Amount (Rs. in lacs)

	2012-13	2013-14
Salary & Allowances	12.65	49.21
Contribution to Gratuity/Pension	2.19	7.38

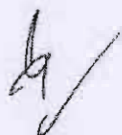
16. Payments to Directors and officers in foreign currency towards foreign tours were Nil.
17. Debts due from Directors were Nil.
18. Information pursuant to provision of Para II of schedule VI of the Company Act, 1956 are as under :-

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

S No.	Details	2012-2013	2013-2014
(i)	Total no of Units Purchased	13146.663 MU	14252.925 MU
(ii)	Total no of Units Sold	9880.778 MU	10710.703 MU
(iii)	Distribution Losses	24.84%	24.85%


(b) Contingent Liabilities: - NIL

19. Since the Company is principally engaged in the distribution business of electricity and there is no other reportable segment as per AS 17, hence the discloser as per AS 17 on segment reporting is not required.
20. 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 regard related party relationship with other state-controlled enterprises and transactions with such enterprises".



21. Due to losses during the year and uncertainty to recover such losses in near future, accounting of deferred tax assets as required by AS 22 issued by ICAI New Delhi has not been made.
22. Previous year figures have been regrouped and reclassified wherever considered necessary.
23. The figure shown in the Balance Sheet, Profit & Loss Account and Schedules have been rounded off to the nearest Rupee.

  
**( RAM SAJEEWAN )**  
CHIEF GENERAL MANAGER  
(FINANCE & ACCOUNTS)  
M. V. V. N. L.

  
( A. P. MISHRA )  
Managing Director  
M. V. V. N. L.  
4-A, Gokhle Marg, Lucknow



**Annexure A**

Transfer of Assets & Liabilities as per Transfer Scheme 2003 vide Order No.

**SCHEDULE:- 'B' - PART II**

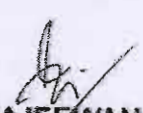
[See Rule 3(1) (b)]

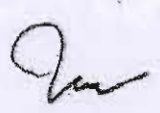
Aggregate Assets and Liabilities to be vested in the Lucknow Discom

**BALANCE SHEET (RUPEES CRORES)**

FINANCIAL YEAR ENDING MARCH 31st 2012

<b>Fixed Assets</b>		
Gross Fixed Assets	1801.03	
Less : Accumulated depreciation	<u>638.15</u>	
Net Fixes Assets		962.88
Cap. Expd. In progress		98.73
Investments		0.00
<b>Total Fixed Assets</b>		<u>1061.62</u>
<b>Current Assets</b>		
Cash and Bank Balances		90.19
Total Stocks	273.91	
Less : Provision for obsolete stores	<u>25.09</u>	
Net Stock		248.81
Gross Receivable for Sale of Electricity	1053.54	
Provision for Bad & Doubtful debts	<u>841.75</u>	
Net Receivable for Sale of Power		211.79
Other Receivable		9.20
<b>Total Current Assets</b>		<u>559.99</u>
<b>Total Assets</b>		<u>1621.60</u>
<b>Net worth</b>		
Paid up and Subscribed Share Capital	155.43	
Retaining Earning (Losses)/ Reserve	0.00	
Consumer's contributions	105.02	
Capital Reserves	0.00	
Grants- RE	44.66	
Grants- APDRP	<u>5.00</u>	
<b>Total Net worth</b>		310.11
<b>Long Term Debts</b>		
GoUP Loans	5.00	
IDBI- Deferred Credits	14.40	
REC	256.58	
Commercial Banks (SPA)	0.00	
HDFC	0.00	
PFC	45.39	
NOIDA	0.00	
UPSIDC	1.57	
Urban Co-Operative Bank	0.00	
Others	40.52	
IBRD	0.00	
Working Capital Borrowings	0.00	
GPF Liability	<u>230.62</u>	
<b>Total Long Term Loans</b>		594.08
<b>Current Liabilities</b>		
Accounts Payable	643.78	
Security Deposits From Consumers	73.63	
Accumulated Interest on Govt. Loans	0.00	
Accumulated Interest on Other IFI's	0.00	
Overdue Principal not Paid	0.00	
<b>Total Current Liabilities</b>		717.41
<b>Total Liabilities</b>		<u>1621.60</u>

  
**( RAM SAJEEWAN )**  
CHIEF GENERAL MANAGER  
(FINANCE & ACCOUNTS)  
M. V. V. N. L.

  
**( A. P. MISHRA )**  
Managing Director  
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