

# **DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**

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



**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**

भारतीय गैर न्यायिक

दस  
रुपये  
₹.10



TEN  
RUPEES  
Rs.10

INDIA NON JUDICIAL

उत्तर प्रदेश UTTAR PRADESH

46AC 645938

BEFORE THE UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION,  
LUCKNOW

Filing No. ....

Case No. ....

IN THE MATTER OF: DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED – filing of Annual  
Revenue Requirement for FY 2015-16 and True-up for FY 2012-13

I, **Prabhu N. Singh** son of **Shri B.N. Singh**, do solemnly affirm and say as under:-

1. That I am **Managing Director** of the above named company and am authorized to make this affidavit on its behalf.
2. That I am filing the enclosed Annual Revenue Requirement for FY2015-16 & True-up for FY 2012-13 along with other documents. The delay in submission may kindly be condoned.
3. That the Hon'ble Commission may kindly be pleased to accept the Annual Revenue Requirement and True-up petition and pass such necessary orders as it may deem necessary.
4. That **Sri Pramod Kumar Executive Engineer (Commercial)** of Dakshinanchal Vidyut Vitran Nigam Limited, Agra is being authorized to sign the enclosed Annual Revenue Requirement and related documents.

Date : 02.12.2014

(Prabhu N. SINGH)  
DEPONENT  
(प्रभु एन.सिंह)  
प्रबन्ध निदेशक

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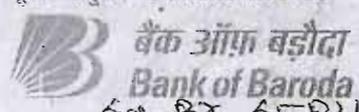
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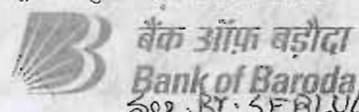
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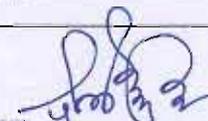
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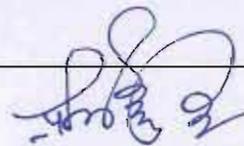
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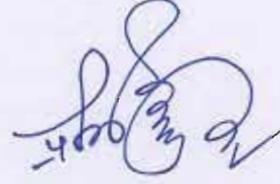
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दावि०वि०नि०लि०, आगरा

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अधिशाली अभियन्ता (वाणिज्य)  
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## 1. BACKGROUND AND PROCEDURAL HISTORY

### 1.1 BACKGROUND

The UP 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)

Dakshinanchal Vidyut Vitaran Nigam Limited (hereinafter referred as 'AGRA DisCom' or 'DVVNL') came in to existence in August 2003 as a subsidiary company of UPPCL and is responsible for power distribution in DisCom covering its jurisdiction of district Mathura, Aligarh, Hathras, Etah, Agra, Firozabad, Mainpuri, Farrukhabad, Etawah, Kannauj, Auraiya, Kanpur Dehat, Jalaun, Jhansi, Lalitpur, Mahoba, Hamirpur, Banda and Chitrakoot.

  
(प्रमोद कुमार)  
अधिसारी अभियन्ता (वाणिज्य)  
दरविनिर्माण, आगरा

## 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

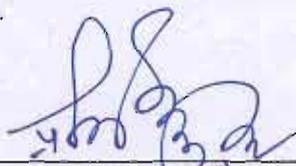
The True-up Petition for FY 2011-12 along-with ARR / Tariff Petition for FY 2014-15 and True up Petition for FY 2008-09 to FY 2010-11 was filed by DVVNL under Sections 62 and 64 of the Electricity Act, 2003 on 29<sup>th</sup> November, 2013 and 13<sup>th</sup> May, 2013 respectively (Petition Nos. 918 / 2013 and 887 / 2013).

DVVNL 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 DVVNL 24th July, 2014 at Agra.

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 DVVNL was to the tune of Rs. 10,252.73 crore.

  
(प्रमोद कुमार)  
अधिसासी अभियन्ता (वाणिज्य)  
द०वि०वि०नि०लि०, आगरा

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

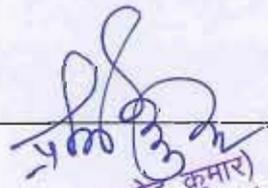
The Hon'ble Commission issued tariff Order on above petitions on date 01<sup>st</sup> October, 2014 conducting the final truing up for the financial years 2008-09 to 2011-12 along with the order determining the Annual Revenue Requirement and Tariff for FY 2014-15. After the increase in tariff and considering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

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

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

#### 1.4 ARR PETITION FOR FY 2015-16

A combined reading of the Section 62 and 64 of the Electricity Act, 2003 and the UPERC (Terms and Conditions of Distribution Tariff) Regulations, 2006 require a distribution licensee to file its ARR Petition by November 30, 2014.

  
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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.

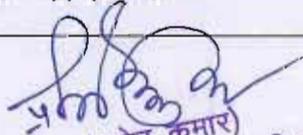
#### **Chapter 5 Compliance of the Hon'ble Commission's Directives**

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**

  
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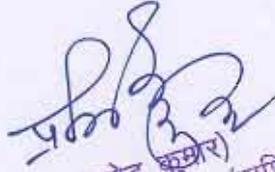
This includes the ARR forecast for FY 2015-16. The ARR also includes the revenue gap figures for the aforementioned years and the segregation of the ARR among Wheeling and Retail Supply Business.

**Chapter 8 Treatment of the Revenue Gap**

This sections deals with the treatment of the revenue gap

**Chapter 9 Prayers**

The main prayers are summarized in this section

  
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## 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	5635.68	6256.54	6953.86
Apportionment of O&M Expenses of UPPCL#	0.00	0.00	34.64
Transmission Charges	271.73	301.56	286.15
Employee Expenses	293.89	249.42	249.42
Repair and Maintenance Expenses	112.18	261.10	261.10
A&G Expenses	39.33	75.31	75.31
Gross Interest on Long Term Loans	103.91	249.25	179.91
Interest to Consumer	16.13	31.63	31.63
Finance Charges	8.66	0.22	0.22
Interest on Working Capital	54.63	1105.70	56.41
Discount to Consumers	0.00	0.00	0.00
Depreciation	281.53	165.42	304.17
Prior Period Expenses	0.00	-49.25	-49.25
Other Misc Expenses / Incomes	0.00	0.00	0.00
Provision for Bad and Doubtful Debts	0.00	49.47	79.81
<b>Gross Expenditure</b>	<b>6817.67</b>	<b>8696.38</b>	<b>8463.39</b>
Less: Employee Capitalisation	44.08	67.22	67.22
Less: A&G Capitalisation	5.90	20.64	20.64
Less: Interest Capitalisation	8.47	0.00	0.00
<b>Total Capitalisation</b>	<b>58.46</b>	<b>87.87</b>	<b>87.87</b>
<b>Net Expenditure</b>	<b>6759.22</b>	<b>8608.51</b>	<b>8375.52</b>
Add: Return on Equity	0.00	0.00	0.00
Less: Non-tariff Incomes	31.14	11.83	11.83
Add: Efficiency Gains	0.00	0.00	0.00
<b>Annual Revenue Requirement</b>	<b>6728.08</b>	<b>8596.68</b>	<b>8363.70</b>
Revenue from Tariff incl DPS	4052.27	3990.64	3990.64
GoUP Subsidy	880.02	1241.98	1241.98
<b>Net Revenue Gap</b>	<b>1795.79</b>	<b>3364.06</b>	<b>3131.07</b>

  
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The Petitioner requests the Hon'ble Commission to allow truing up for FY 2012-13 as provided in the aforementioned table. The Petitioner is detailing the rationale for truing up of some of the key issues in the subsequent paragraphs.

### 2.1.1 POWER PURCHASE EXPENSE

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

In the Tariff Order for FY 2012-13, the Hon'ble Commission had approved the power purchase of 74,703.39 MU at UPPCL level. The Petitioner humbly submits that the actual power purchase in FY 2012-13 was 77,707.16 MU at a value of Rs. 29,557.94 crore at overall UPPCL level.

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

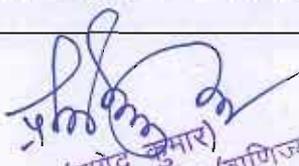
- It has calculated the allowable power purchase input by grossing up the actual energy received at the Discom end by the approved / actual transmission losses, whichever is lower.
- The allowable power purchase input has been multiplied by the revised bulk supply Tariff to derive the allowable power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

Considering the aforementioned philosophy, the allowable power purchase expenses for determination of trued up Bulk Supply tariff for FY 2012-13 is Rs. 29,557.94 crore and trued up Bulk Supply Tariff is Rs. 4.01 per kWh as depicted in the table below:

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

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

The Hon'ble Commission in its True-up Order for FY 2008-09 to FY 2011-12 dated 01<sup>st</sup> October, 2014 had considered a philosophy, wherein the efficiency target of Distribution loss level, had been considered as controllable parameter, and thereupon the power purchase cost consequent to under-achievement of Distribution loss was disallowed. To maintain consistency

  
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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 DVVNL in FY 2012-13

Particulars	Unit	Approved	Actuals	True-up Petition
Power Purchase	MU	15,616.90	17,331.14	17,331.14
Sales	MU	11,088.00	10,994.17	10,994.17
Distribution Loss Target	%	29.00%	36.56%	29.00%
Allowable Power Purchase	MU			15,484.74
Trued up Bulk Supply Tariff	Rs/kWh			4.01
<b>Allowable Power Purchase Cost</b>	<b>Rs Crore</b>			<b>6,953.86</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. 271.73 crore (@ Rs. 0.174 per kWh) towards a projected power purchase of 15,616.90 MU.

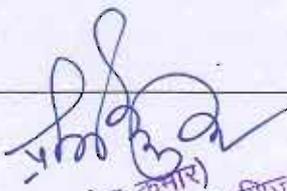
As per the audited accounts, the Petitioner has incurred Rs. 301.56 crore towards transmission charges.

It is submitted that the trued up transmission charges payable to UPPTCL towards intra-state transmission are to the tune of Rs. 286.15 crore which have been computed by multiplying the allowable power purchase input of 15,484.74 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	15,616.90	17,331.14	15,484.74
Trued up Transmission Charge	Rs/kWh	0.174	0.174	0.1848
<b>Transmission Charges</b>	<b>Rs Crore</b>	<b>271.73</b>	<b>301.56</b>	<b>286.15</b>

Accordingly, the Petitioner submits that, against the approved intra-state transmission charges of Rs. 280.03 crore, the allowable transmission charges for FY 2012-13 are to the tune of Rs. 291.87 crore.

  
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### 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. 249.42 crore as against Rs. 293.89 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. 67.22 crore as against Rs. 44.08 crore approved in the Tariff Order. Thus, the net employee expenses as per audited accounts are Rs. 182.19 crore as against Rs. 249.81 crore approved in the Tariff Order.

Further, the Petitioner submits that the actual gross A&G expenses were Rs. 75.31 crore as against Rs. 39.33 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. 20.64 crore against Rs. 5.90 crore approved in the Tariff Order. Thus, the net A&G expenses as per audited accounts are Rs. 54.67 crore as against Rs. 33.43 crore approved in the Tariff Order.

The actual repair and maintenance expenses for FY 2012-13 were Rs. 261.10 crore as against Rs. 112.18 crore approved by the Commission in the Tariff Order.

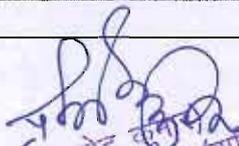
Accordingly, the Petitioner humbly submits that the O&M expenses be tried up considering the actual expenses incurred as per audited accounts.

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	293.89	249.42	249.42
Repair & Maintenance Expenses	112.18	261.10	261.10
Administrative and General Expenses	39.33	75.31	75.31
<b>Gross Operation and Maintenance Expenses</b>	<b>445.40</b>	<b>585.83</b>	<b>585.83</b>
Less: Capitalisation			
Employee Cost Capitalized	44.08	67.22	67.22
A&G Expenses Capitalized	5.90	20.64	20.64
<b>Total Capitalization</b>	<b>49.98</b>	<b>87.87</b>	<b>87.87</b>
<b>Net Operation and Maintenance Expenses</b>	<b>395.42</b>	<b>497.97</b>	<b>497.97</b>

  
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#### 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	573.20
Investments	B	663.48
Employee Expenses Capitalisation	C	67.22
A&G Expenses Capitalisation	D	20.64
Interest Capitalisation on Interest on long term loans	E	0.00
<b>Total Investments</b>	<b>F= A+B+C+D+E</b>	<b>1324.55</b>
Transferred to GFA (Total Capitalisation)	G	745.26
<b>Closing WIP</b>	<b>H= F-G</b>	<b>579.29</b>

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

  
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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	838.28
Additions during the year	156.25
Less: Amortisation	43.81
<b>Closing Balance</b>	<b>950.73</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	663.48
Less:		-
Consumer Contribution	B	156.25
Investment funded by debt and equity	C=A-B	507.23
Debt Funded	70%	355.06
Equity Funded	30%	152.17

Thus, from the above tables it is seen, that the Petitioner has made an investment of Rs. 663.48 crore in FY 2012-13. The consumer contributions, capital subsidies and grants received during the corresponding period is Rs. 156.25 crore. Thus, balance Rs. 507.23 crore have been funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 355.06 crore or 70% of the capital investment is approved to be funded through debt and balance 30% equivalent to Rs. 152.17 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. 179.91 crore. The interest capitalisation has been considered at the same rate as per audited accounts. As per the audited accounts, there is no interest capitalisation in FY 2012-13. 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
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Particulars	True up Petition
Opening Loan	1,321.42
Loan Additions (70% of Investments)	355.06
Less: Repayments (Depreciation allowable for the year)	304.17
Closing Loan Balance	1,372.31
Weighted Average Rate of Interest	13.36%
<b>Interest on long term loan</b>	<b>179.91</b>
Interest Capitalisation Rate	0.00%
Less: Interest Capitalized	-
<b>Net Interest Charged</b>	<b>179.91</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. 31.63 crore as against Rs. 16.31 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. 0.22 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. 54.63 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. 56.41 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)

  
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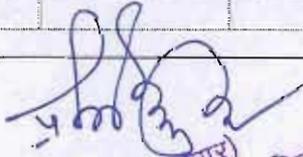
Particulars	Derivation	True up Petition
<b>O&amp;M Expenses</b>		
Employee Expenses		249.42
R&M Expenses		261.10
A&G Expenses		75.31
<b>Total O&amp;M Expenses</b>	<b>A</b>	<b>585.83</b>
One Month's O&M Expenses	B = 1/12 of A	48.82
Book Value of Stores	C	719.19
One twelfth of the sum of book value of the material in stores	D = 1/12 of C	59.93
Receivable equivalent to 60 days average billing of consumers	E	656.00
Less: Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	F	313.43
<b>Total Working Capital Requirement</b>	<b>G = B + D + E-F</b>	<b>451.31</b>
Interest rate	H	12.50%
<b>Interest on working capital</b>	<b>I = G x H</b>	<b>56.41</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	103.91	249.25	179.91
Less: Interest Capitalisation	8.47	0.00	0.00
<b>Net Interest on Long Term Loans</b>	<b>95.44</b>	<b>249.25</b>	<b>179.91</b>
<b>B: Finance and Other Charges</b>			
Finance Charges	16.13	31.63	31.63
Interest on Consumer Security Deposits	1.34	0.22	0.22
Bank Charges	0.00	0.00	0.00
Discount to Consumer	7.32	0.00	0.00
<b>Total Finance Charges</b>	<b>24.79</b>	<b>31.85</b>	<b>31.85</b>

  
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 दशविद्युतनिलि, आगरा

Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
C: Interest on Working Capital	54.63	1105.70	56.41
Total (A+B+C)	174.86	1386.80	268.17

#### 2.1.5 DEPRECIATION

The actual depreciation expense charged in the audited accounts is Rs. 165.42 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. 347.98 crore.

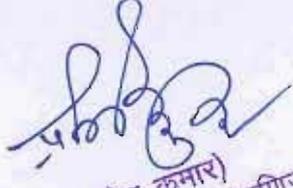
  
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Table 2-12: Gross Allowable Depreciation for FY 2012-13

(All figures in Rs Crore)

Particulars	Opening GFA	Additions to GFA	Deductions to GFA	Closing GFA	Depreciation Rates considered	Allowable Depreciation
Land & Land Rights						
i) Unclassified	0.34			0.34		
ii) Freehold Land	-			-		-
Buildings	51.50	6.31	-	57.81	7.84%	4.28
Other Civil Works	-			-	7.84%	-
Plants & Machinery	685.62	464.40	360.35	789.66	7.84%	57.83
Lines, Cable Network etc.	2,020.02	272.76	37.34	2,255.44	7.84%	167.60
Vehicles	-			-	7.84%	-
Furniture & Fixtures	1.29	1.76	-	3.05	7.84%	0.17
Office Equipments	0.51	0.03	-	0.54	7.84%	0.04
Jeep & Motor Car	(0.16)			(0.16)	7.84%	-0.01
Assets taken over from Licensees pending final Valuation	-			-		-
<b>Total</b>	<b>2,759.12</b>	<b>745.26</b>	<b>397.69</b>	<b>3,106.69</b>	<b>0.63</b>	<b>229.91</b>
Fixed Asset as per Transfer Scheme	1,505.95			1505.95	7.84%	118.07
<b>GRAND TOTAL</b>	<b>4,265.07</b>	<b>745.26</b>	<b>397.69</b>	<b>4,612.64</b>	<b>7.84%</b>	<b>347.98</b>

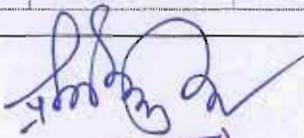
The Petitioner has traced the figures in respect of depreciation charged on assets created out of consumer contributions, capital grants and subsidies from the audited accounts. This equivalent depreciation amounting to Rs. 43.81 crore has been reduced from the allowable depreciation for FY 2012-13.

Thus the allowable depreciation for FY 2012-13 is Rs. 304.17 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	336.48	209.23	347.98

  
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Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	54.95	43.81	43.81
<b>Net Allowable Depreciation</b>	<b>281.53</b>	<b>165.42</b>	<b>304.17</b>

#### 2.1.6 PRIOR PERIOD EXPENSES

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

There are certain prior period items which have been identified and incorporated in the audited financial statements for 2012-13. As per Accounting Standards (AS 5) (Revised) on 'Net Profit or Loss for the Period, Prior Period Items and Changes in Accounting Policies' states:

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

In the audited financial statements of the Petitioner for FY 2012-13, there has been recognition of Rs 59.15 crore of prior period incomes and prior period expenses of Rs 9.90 crore, thereby decreasing the eligible true-up by Rs. -49.25 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>	
Receipt from consumers	6.76
Interest & Finance other Charges	52.39
Others Income	
<b>Sub-Total A</b>	<b>59.15</b>
<b>Expenditure</b>	
Operating Expenses	0.71
Employee Cost	5.15
Other Expenses	2.42
Amortization	1.62

  
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Particulars	True-up Petition
Sub-Total B	9.90
Net prior period Credit/(Charges)	-49.25

### 2.1.7 PROVISION FOR BAD AND DOUBTFUL DEBTS

The Tariff Order for FY 2012-13 did not allow any amounts towards Provision for Bad and Doubtful Debts. The Petitioner humbly submits that such expenses are legitimate business expenses. It is further submitted that provision for bad & doubtful debts are accepted accounting principle even in sector like Banking where the provisioning of un-collectable dues are considered as a normal commercial practice.

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

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

(All Figures in Rs Crore)

Particulars	Rs Crore
Total Revenue Receivables from Retail Sales	3,990.64
% of Provision for Bad and Doubtful Debts	2%
Provision for Bad and Doubtful Debts	79.81

## 2.2 REVENUE SIDE TRUING UP

### 2.2.1 REVENUE FROM SALE OF POWER

The Hon'ble Commission had projected revenue from sale of power of Rs. 4,052.27 crore for FY 2012-13. The audited accounts have reported the actual revenue from sale of power to be Rs. 3,990.64 crore (including delayed payment surcharge) towards electricity sales of 10,994.17 MU.

### 2.2.2 NON TARIFF INCOMES

The Petitioner submits that against the projected non tariff incomes of Rs. 31.14 crore in the Tariff Order, the actual non tariff incomes have been Rs. 11.83 crore.

  
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### 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. 880.02 crore. However the actual subsidy received from GoUP by the Petitioner is Rs. 1,241.98 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 2-16: ARR for FY 2012-13 after Final Truing Up

(All figures in Rs Crore)

Particulars	Approved	Actuals as per audited accounts	True-up Petition
Power Purchase Expenses	5635.68	6256.54	6953.86
Apportionment of O&M Expenses of UPPCL3	0.00	0.00	34.64
Transmission Charges	271.73	301.56	286.15
Employee Expenses	293.89	249.42	249.42
Repair and Maintenance Expenses	112.18	261.10	261.10
A&G Expenses	39.33	75.31	75.31
Gross Interest on Long Term Loans	103.91	249.25	179.91
Interest o Bonds	0.00	0.00	0.00
Interest to Consumer	16.13	31.63	31.63
Finance Charges	8.66	0.22	0.22
Interest on Working Capital	54.63	1105.70	56.41
Discount to Consumers	0.00	0.00	0.00
Depreciation	281.53	165.42	304.17
Prior Period Expenses	0.00	-49.25	-49.25
Other Misc Expenses / Incomes	0.00	0.00	0.00
Provision for Bad and Doubtful Debts	0.00	49.47	79.81
<b>Gross Expenditure</b>	<b>6817.67</b>	<b>8696.38</b>	<b>8463.39</b>
Less: Employee Capitalisation	44.08	67.22	67.22
Less: A&G Capitalisation	5.90	20.64	20.64
Less: Interest Capitalisation	8.47	0.00	0.00
<b>Total Capitalisation</b>	<b>58.46</b>	<b>87.87</b>	<b>87.87</b>
<b>Net Expenditure</b>	<b>6759.22</b>	<b>8608.51</b>	<b>8375.52</b>
Add: Return on Equity	0.00	0.00	0.00
Less: Non-tariff Incomes	31.14	11.83	11.83
Add: Efficiency Gains	0.00	0.00	0.00
<b>Annual Revenue Requirement</b>	<b>6728.08</b>	<b>8596.68</b>	<b>8363.70</b>

  
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Particulars	Approved	Actuals as per audited accounts	True-up Petition
Revenue from Tariff incl DPS	4052.27	3990.64	3990.64
GoUP Subsidy	880.02	1241.98	1241.98
<b>Net Revenue Gap</b>	<b>1795.79</b>	<b>3364.06</b>	<b>3131.07</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. 3,131.07 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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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 detect 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.

  
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- 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.

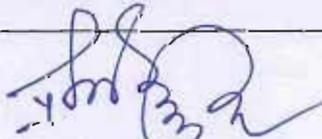
The various schemes under which the capital expenditure programs are envisaged are detailed below:

##### 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.

  
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This entire exercise is being aimed to establish Base line Data collection system for the distribution utilities through which they would be able to capture AT&C losses in a precise manner without manual intervention and also to plan & implement corrective measures in Part B

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

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

#### 4.2 RURAL ELECTRIFICATION PROGRAMME (RGGVY)

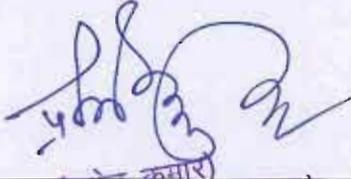
Rural Electrification Program- RGGVY contemplates electrification of villages and strengthening the existing network in the rural areas to achieve universal access to electricity for all households. Under this scheme following work is performed:

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

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

#### 4.3 ENERGISATION OF PRIVATE TUBE WELLS (PTW)

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

  
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#### 4.4 OTHER SCHEMES

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

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

#### 4.5 AUGMENTATION OF DISTRIBUTION NETWORK

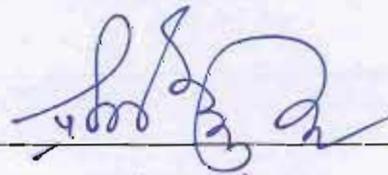
For any distribution system it is important to augment the network on a continual basis to cater to the load growth and achieving optimal operating efficiency of the distribution equipment. With the increasing demand of power and to balance the load distribution, sub-stations are being identified where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

#### 4.6 METERING OF CONSUMERS

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

#### 4.7 INSTALLATION OF AERIAL BUNCHED CONDUCTORS

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

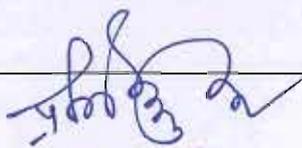
The revised estimate in respect of capital expenditure being undertaken in FY 2014-15 is summarized in the table below:

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

S.No.	Description	Unit	No./ Quantity	Capital Expenditure			Total
				Loans	Equity / Internal Accruals	Deposit Works	
1	<b>33 KV New Work</b>						
	(a) 33 KV Line	Km.	493.92	52.93	22.68		75.61
	(b) 33/11 KV S/s (Excluding civil works)	Nos./MVA	55/275	158.57	67.96		226.52
2	33/11 KV Increasing Capacity	Nos./MVA	50/250	31.66	13.57		45.23
3	33 KV line & S/s Strengthening (Replacement of higher capacity of conductor, poles, S/s apparatus etc.)	Km.	54	3.42	1.47		4.89
4	11 KV New Works		-				0.00
	(a) 11 KV New line (Vifercatin of feeders, linkline etc.)	Km.	1013	38.48	16.49		54.97
	(b) 11/0.4 KV S/s						0.00
	(i) 11/0.4 KV S/s	Nos./KVA	608	15.39	6.59		21.98
	(ii) 11/0.4 KV S/s (SC Dominated)	Nos./KVA	150	3.80	1.63		5.43
5	11/0.4 KV S/s increasing capacity						0.00
	(i) 11/0.4 KV S/s increasing capacity	Nos./KVA	608	7.70	3.30		11.00
	(ii) 11/0.4 KV S/s increasing capacity (SC Dominated)	Nos./KVA	150	1.90	0.81		2.71
6	Strengthening of 11 KV line & 11/0.4 KV S/s etc.						
	(i) Strengthening of 11 KV line & 11/0.4 KV S/s etc.	Nos./Km	400/600	12.67	5.43		18.09
	(ii) Strengthening of 11 KV line & 11/0.4 KV S/s etc. (SC Dominated)	Nos./Km	150/200	4.75	2.04		6.78
7	Saparation of Villages from P.T.W., S.T.W. etc. (Saparation of feeders) against Sanction scheme 1500 crore out of which 40% work will be	-	-				0.00

  
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S.No.	Description	Unit	No./ Quantity	Capital Expenditure			Total
				Loans	Equity / Internal Accruals	Deposit Works	
	proposed to be completed in this year.						
8	Replace of old & damage of 11 KV capacitors & other pertaining equipment 50%	Nos.	405	15.39	6.59		21.98
9	Providing new 11 KV capacitors 10% of S/s	Nos.	68	3.42	1.47		4.89
10	Construction of new L.T. line						
	(i) Construction of new L.T. line	Km.	675	21.38	9.16		30.54
	(ii) Construction of new L.T. line (SC Dominated)	Km.	200	6.33	2.71		9.05
11	Strengthening of L.T. line (Replacing of damage conductor/pole jarjer replacement of higher capacity of conductor broken pole/wooden pole, Additional pole in long span & other access etc.	Km.	1200	15.20	6.51		21.71
12	Replacement of damage/very old OCB/VCB and other equipments as well as by high capacity.	Nos.	80	5.07	2.17		7.24
13	Construction - major workshop. Including civil work	Nos.	3	3.80	1.63		5.43
14	Strengthening of working workshop, store, other T&P etc. Including civil works	Nos.	15	13.93	5.97		19.90
15	Arrange of stair mounted (Hydraulic vehicle & Jeeps)	Nos.	45	6.84	2.93		9.77
16	Non Residential & Residential new work.	Nos.	-	6.33	2.71		9.05
17	Strengthening/Maintenance of Non Residential & Residential building/S/s etc.	No.	-	7.86	3.37		11.24
18	Improvement of billing of R/L areas		-	6.33	2.71		9.05
19	Reduction of commercial losses, providing pilfer proof metering against all category consumers.		-	3.17	1.36		4.52
20	Providing of double meter in all category with modem	Nos.	-	6.33	2.71		9.05
21	Providing Electronic meter at S.T.W. consumers 10% in this year.	Nos.	605	0.46	0.20		0.65
22	Arrangement of prepaid meter (1-Æ & 3-Æ)	Nos.	-	2.53	1.09		3.62



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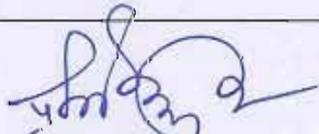
S.No.	Description	Unit	No./ Quantity	Capital Expenditure			Total
				Loans	Equity / Internal Accruals	Deposit Works	
23	Any other works which fall under network strengthening of Transformer repairing workshop and manufacturing of PCC Pole at different units.						0.00
	(a) Repairing of Transformers	w	7000	5.32	2.28		7.60
	(b) PCC Pole manufacturing.	Nos.	65000	14.82	6.35		21.17
24	Capital Investment through Support under Vyapar Vikas Nidhi			323.34	138.57		461.91
25	R-APDRP Part A			29.25	12.54		41.79
26	R-APDRP Part B			168.38	72.16		240.54
27	Deposit Works					251.28	251.28
	<b>Total</b>			<b>996.73</b>	<b>427.17</b>	<b>251.28</b>	<b>1675.18</b>

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

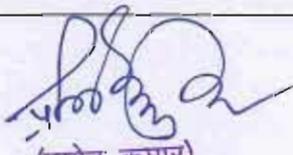
The proposed capital expenditure for FY 2015-16 is summarized in the table below:

Table 4-2: Proposed Capital Expenditure in FY 2015-16 (Rs Crore)

S.No.	Description	Unit	No./ Quantity	Capital Expenditure			Total
				Loans	Equity / Internal Accruals	Deposit Works	
1	<b>33 KV New Work</b>						
	(a) 33 KV Line	Km.	1514	89.66	38.43		128.09
	(b) 33/11 KV S/s (Excluding civil works)	Nos./MVA	17/85	274.25	117.53		391.78
2	33/11 KV Increasing Capacity	Nos./MVA	33/165	53.24	22.82		76.05
3	33 KV line & S/s Strengthening (Replacement of higher capacity of conductor, poles, S/s apparatus etc.)	Km.	36	5.81	2.49		8.30
	11 KV New Works		-				0.00
4	(a) 11 KV New line (Vifercatin of feeders, linkline etc.)	Km.	673	65.14	27.92		93.06
	(b) 11/0.4 KV S/s						0.00
	(i) 11/0.4 KV S/s	Nos./KVA	404	26.07	11.17		37.24
	(ii) 11/0.4 KV S/s (SC Dominated)	Nos./KVA	100	6.45	2.77		9.22
5	11/0.4 KV S/s increasing capacity						0.00

  
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S.No.	Description	Unit	No./ Quantity	Capital Expenditure			Total
				Loans	Equity / Internal Accruals	Deposit Works	
	(i) 11/0.4 KV S/s increasing capacity	Nos./KVA	404	13.03	5.59		18.62
	(ii) 11/0.4 KV S/s increasing capacity (SC Dominated)	Nos./KVA	100	3.23	1.38		4.61
6	Strengthening of 11 KV line & 11/0.4 KV S/s etc.						
	(i) Strengthening of 11 KV line & 11/0.4 KV S/s etc.	Nos./Km	266/199	21.46	9.20		30.65
	(ii) Strengthening of 11 KV line & 11/0.4 KV S/s etc. (SC Dominated)	Nos./Km	100/133	8.07	3.46		11.52
7	Saparation of Villages from P.T.W., S.T.W. etc. (Saparation of feeders) against Sanction scheme 1500 crore out of which 40% work will be proposed to be completed in this year.	-	-				0.00
8	Replace of old & damage of 11 KV capacitors & other pertaining equipment 50%	Nos.	270	26.13	11.20		37.33
9	Providing new 11 KV capacitors 10% of S/s	Nos.	45	5.81	2.49		8.30
10	Construction of new L.T. line						
	(i) Construction of new L.T. line	Km.	450	36.30	15.56		51.85
	(ii) Construction of new L.T. line (SC Dominated)	Km.	133	10.74	4.60		15.35
11	Strengthening of L.T. line (Replacing of damage conductor/pole jarjer replacement of higher capacity of conductor broken pole/wooden pole, Additional pole in long span & other access etc.	Km.	798	25.75	11.03		36.78
12	Replacement of damage/very old OCB/VCB and other equipments as well as by high capacity.	Nos.	53	8.55	3.66		12.21
13	Construction - major workshop. Including civil work	Nos.	2	6.45	2.77		9.22
14	Strengthening of working workshop, store, other T&P etc. Including civil works	Nos.	10	23.65	10.14		33.79
15	Arrange of stair mounted (Hydraulic vehicle & Jeeps)	Nos.	30	11.62	4.98		16.59
16	Non Residencial & Residencial new work.	Nos.	-	10.74	4.60		15.35

  
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S.No.	Description	Unit	No./ Quantity	Capital Expenditure			Total
				Loans	Equity / Internal Accruals	Deposit Works	
17	Strengthening/Maintenance of Non Residential & Residential building/S/s etc.	No.	-	13.33	5.71		19.04
18	Improvement of billing of R/L areas		-	7.52	3.22		10.74
19	Reduction of commercial losses, providing pilfer proof metering against all category consumers.		-	3.68	1.58		5.25
20	Providing of double meter in all category with modem	Nos.	-	10.74	4.60		15.35
21	Providing Electronic meter at S.T.W. consumers 10% in this year.	Nos.	400	0.77	0.33		1.11
22	Arrangement of prepaid meter (1-Æ & 3-Æ)	Nos.	-	4.29	1.84		6.13
23	Any other works which fall under network strengthening of Transformer repairing workshop and manufacturing of PCC Pole at different units.						0.00
	(a) Repairing of Transformers		4667	9.03	3.87		12.91
	(b) PCC Pole manufacturing.	Nos.	43222	25.10	10.76		35.86
24	Capital Investment through Support under Vyapar Vikas Nidhi			322.64	138.28		460.92
25	R-APDRP Part A			36.33	15.57		51.90
26	R-APDRP Part B			168.38	72.16		240.54
27	Deposit Works					336.29	336.29
	<b>Total</b>			<b>1333.95</b>	<b>571.69</b>	<b>336.29</b>	<b>2241.94</b>

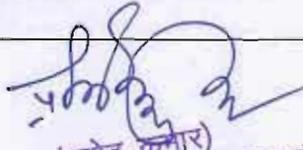
  
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## 5. COMPLIANCE OF HON'BLE COMMISSION'S DIRECTIVES

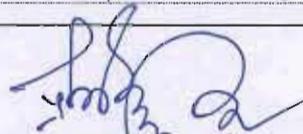
The Hon'ble Commission had issued certain directives to the Petitioner in the Suo-motu Tariff Order dated 31.05.2013 and Tariff Order dated 01.10.2014. The Petitioner submits the status of compliance of the directives as follows:

**TABLE 5-1: Status of Compliance of the Directives issued vide Order dated 31.05.2013**

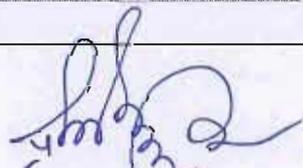
Ref SI No.	Description of Directive	Status of Compliance
1	The Commission directs the Licensee to pressingly pursue the proposal for allocation of PPAs to Discoms with GoUP and expedite the process of allocation.	The Petitioner humbly submits that the process of allocation of PPAs to the Discoms has 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.

  
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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

  
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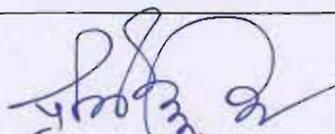
Ref Sl No.	Description of Directive	Status of Compliance
	of the Distribution Tariff Regulations.	30.09.2015. Accordingly, the same would be completed in the stipulated timeframe.
15	<p>The Commission directs the Licensee to conduct proper loss estimate studies for assessment of technical and commercial 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

  
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Ref Sl No.	Description of Directive	Status of Compliance
	consumers under LMV-10 category and submit a progress report every month.	and condition of service of the personnel shall not be less favourable to the terms and condition which were applicable to them before the transfer". The same spirit has been echoed under first proviso of section 133 (2) of the Electricity Act, 2003. The benefits for employees / pensioners as provided in section 12 (b) (ii) of the Uttar Pradesh Reform Transfer Scheme, 2000 include "concessional rate of electricity", which means concession in rate of electricity to the extent it is not inferior to what was existing before 14th January, 2000.
21	The Commission directs the Licensee to reconcile the inter-unit balances lying 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.

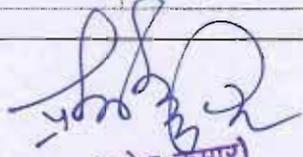
Table 5-2: Status of Compliance of the Directives issued vide Order dated 01.10.2014

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	As regards the supply to the Taj	Immediate	The Petitioner submits that the

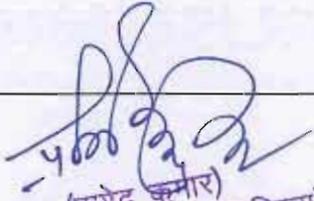
  
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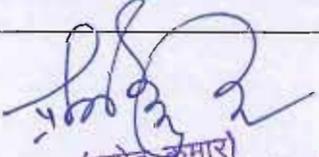
S. No	Description of Directive	Time Period for compliance	Status of Compliance
	submit a road map for 100% metering in its licensed area given in the Tariff Order dated 31 <sup>st</sup> May, 2013, the Licensees has not complied with the directions of the Commission. The Commission once again directs the Licensee to comply with the direction given by the Commission in this Order and accordingly put it sincere efforts to achieve 100% metering.	issue of this Order	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.
7	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
8	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.
9	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.
10	As regards timely filing of FPPCA the Commission once again directs the Licensees that they should file FPPCA in a timely and regular manner in accordance with the Distribution Tariff Regulations, 2006 failing which the Commission may have to resort to take strict action against the Licensees.	Immediate	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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S. No	Description of Directive	Time Period for compliance	Status of Compliance
11	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.
12	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.
13	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.
14	The Licensees are directed to provide the monthly MRI reports to all the applicable consumers through email. The consumers would be required to register their email to the Licensee and submit the status report on the same along with next ARR filing	Immediate	The MRI reports are being provided to the consumers. However, the possibilities of sending the same by email are being explored by the Petitioner.

  
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S. No	Description of Directive	Time Period for compliance	Status of Compliance
15	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.
16	The Licensee is directed to file a separate Petition for approval of prior period expenses / incomes. The Petition should clearly indicate the head-wise year-wise bifurcation of prior period expenses / incomes clearly indicating the impact of such expenses / incomes on various ARR components, and such impact should not exceed the normative expenses for any particular year.	1 month from the date of issuance of this Order	<p>The Petitioner submits that the prior period expenses / incomes are recognised in the financial statements in compliance with the Accounting Standards (AS 5) (Revised) on 'Net Profit or Loss for the Period, Prior Period Items and Changes in Accounting Policies' which does not require year wise classification of prior period items. As there was no statutory requirement of classifying the prior items with respect to the each year to which they pertain, such information was not specifically depicted in the audited accounts.</p> <p>Considering this, the expenses and incomes which are omitted to be accounted for in one or more financial years are accounted for as and when such omissions or errors are detected.</p> <p>However, given the directive by the Hon'ble Commission, the Petitioner has instructed the field units to compile such information. The information made available by the field units would be compiled at the zonal level and then zonal accounts would be compiled at the corporate level.</p>

  
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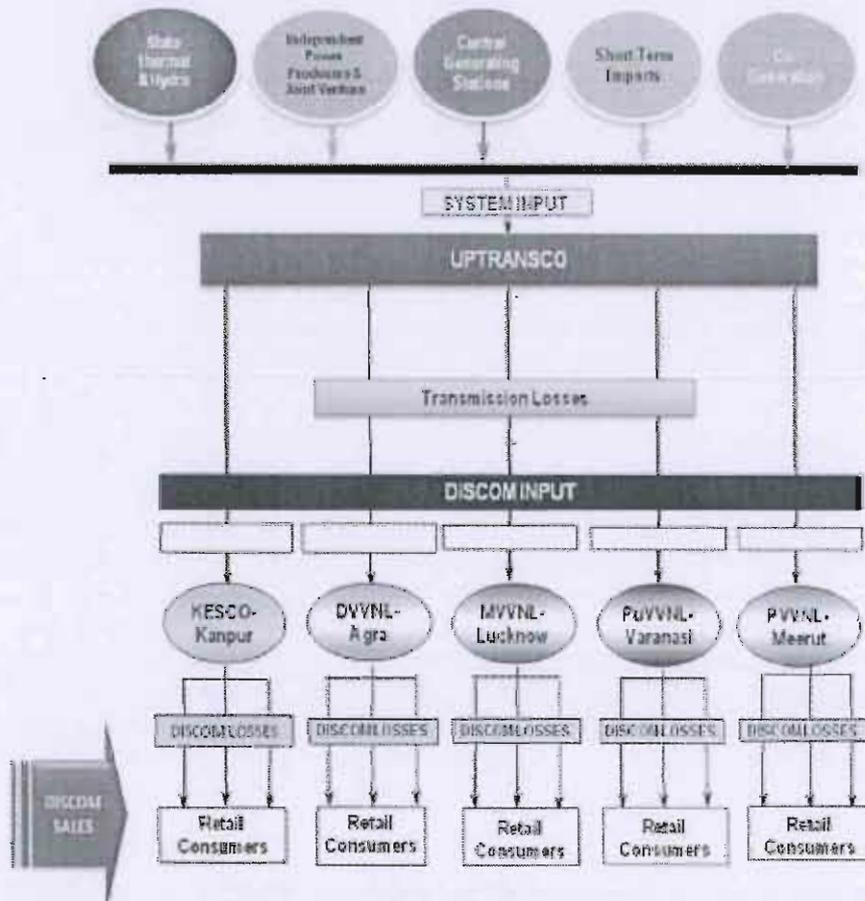


## 6. LOAD FORECAST AND REVENUE ASSESSMENT

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:

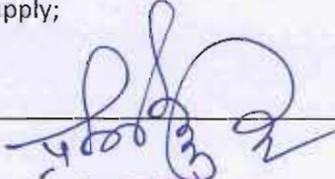
- a. Consumer category wise commercial data of each discom comprising Number of consumers/ Connected load (kW)/ Energy sales (billed energy): kWh, split between rural/urban consumers was tabulated for the years 2001-02 to 2006-07.
- b. Similar data for each consumer sub-category was tabulated for the 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;

  
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- 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):**

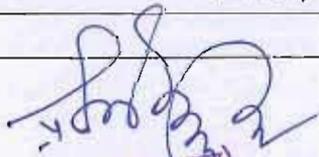
Forecasted value of energy sales for a given consumer sub-category was obtained by multiplying the forecasted value of connected load by the standard value of energy sales per kW connected load laid down in the norms.

**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

  
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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**

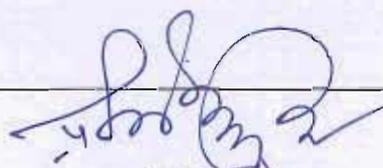
Projections for Nos of Consumer sub-category wise for the two years were provided for each discom.

**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:

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

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

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

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

The figures are tabulated below:



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Table 6-5: Energy Balance

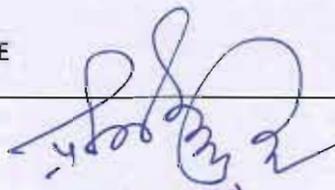
Energy Balance	FY 2013-14 (Base Year)	FY 2014-15	FY 2015-16
<b>Purchases Required &amp; Billed Energy (MU)</b>			
Input Energy Requirement	83,795	96,669	108,707
Transmission losses%	7.41%	5.20%	5.18%
<b>Input Energy Requirement At DisCom Level</b>	<b>77,586</b>	<b>91,644</b>	<b>103,076</b>
Meerut	24,099	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 96,669 MU when compared to around 83,795 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.

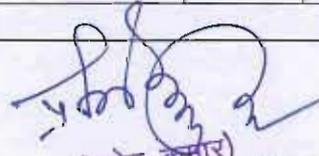
### 6.2.1 LMV CONSUMERS – SUB-CATEGORY-WISE

  
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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	CATEGORY	AGRA DISCOM		CONSUMER NUMBER – CAGR				
			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"							
			Un-metered	0%	5%	6%	0%	2%	
			Metered	17%	15%	8%	0%	10%	
	(B)	Supply at Single Point for Bulk Load		19%	-62%	-58%	0%	9%	
	(C1)	Other Metered Domestic Consumers		0%	4%	6%	0%	6%	
	(C2)	Life Line Consumers/BPL		71%	97%	231%	0%	5%	
	SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)		7%	8%	8%	7%		
	LMV--2		Rural						
		Urban							
(A)		Consumer getting supply as per "Rural Schedule"							
			Un-metered	-3%	-4%	1%	0%	6%	
			Metered	2%	7%	4%	0%	5%	
(B)		Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		-15%	5%	0%	0%	6%	
(C)		Other Metered Non-Domestic Supply		5%	2%	3%	0%	5%	
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)		3%	3%	3%	4%		
LMV--3		A	Rural						
			Urban						
	(A)	Un-metered Supply							
		(i)	Gram Panchyat	24%	24%	15%	0%	17%	
		(ii)	Nagar Palika & Nagar Panchyat	-1%	1%	0%	0%	1%	
		(iii)	Nagar Nigam	29%	6%	8%	0%	15%	
	(B)	Metered Supply							
		(i)	Gram Panchyat	0%	-100%	-100%	0%	1%	
		(ii)	Nagar Palika & Nagar Panchyat	-6%	-5%	1%	0%	5%	
		(iii)	Nagar Nigam	-8%	24%	18%	0%	20%	
SUB TOTAL	PUBLIC LAMPS (LMV-3)		4%	5%	3%	-14%			
LMV--4	A	Rural							

  
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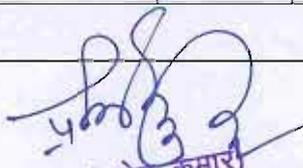
SUPPLY TYPE	CATEGORY	CATEGORY		AGRA DISCOM					CONSUMER NUMBER – CAGR				
				Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed					
		Urban											
	(A)	Metered Supply		1%	9%	160%	0%	5%					
	(B)	Un-metered Supply											
		(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	2%	0%	-2%	0%	3%					
		(ii)	Laghu Dal Nahar above 100 BHP	-11%	-26%	0%	0%	0%					
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>		<b>2%</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>						
<b>LMV--9</b>		Rural											
		Urban											
	(A)	Metered Supply											
		(i)	Individual Residential Consumers	-1%	122%	0%	0%	15%					
		(ii)	Others	17%	29%	13%	0%	20%					
	(B)	Un-metered Supply											
		(i)	Ceremonies	-62%	-10%	0%	0%	5%					
		(ii)	Temporary Shops	0%	-100%	-100%	0%	0%					
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>		<b>-3%</b>	<b>65%</b>	<b>38%</b>	<b>50%</b>						
<b>LMV--10</b>	(A)	Serving											
		(i)	Class IV Employees	4%	4%	2%	0%	4%					
		(ii)	Class III Employees	4%	1%	-3%	0%	19%					
		(iii)	Junior Engineers & Equivalent	7%	16%	16%	0%	10%					
		(iv)	Assistant Engineers & Equivalent	3%	52%	37%	0%	5%					
		(v)	Executive Engineers & Equivalent	6%	36%	25%	0%	10%					
		(vi)	Deputy General Manager & Equivalent	0%	49%	38%	0%	10%					
		(vii)	CGM/GM & Equivalent posts and above	-2%	10%	0%	0%	2%					
	(B)	Total Pensioner & Family Pensioner		1%	1%	3%	0%	2%					
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>		<b>3%</b>	<b>2%</b>	<b>2%</b>	<b>0%</b>	<b>3%</b>					

### 6.2.2 HV CONSUMERS – SUB-CATEGORY-WISE

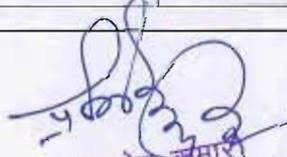
Adopted appropriate value of CAGR for Load Forecast and 3/5/7/10 year's CAGR are as below:

Table 6-7: HV Consumers Growth Rate

HV--1			Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
		Rural					
		Urban					

  
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HV--1		Rural	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
	(A)	Urban Schedule					
	(i)	For supply at 11kV	7%	30%	0%	0%	7%
	(ii)	For supply above 11kV and upto & Including 66kV	-46%	5%	0%	0%	3%
	(iii)	For supply above 66kV and upto & Including 132kV	0%	0%	0%	0%	0%
	(iv)	For supply above 132kV	0%	-100%	0%	0%	0%
	(B)	Rural Schedule					
	(i)	For supply at 11kV	-100%	-100%	0%	0%	1%
	(ii)	For supply above 11kV and upto & Including 66kV	0%	-100%	0%	0%	1%
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>-6%</b>	<b>21%</b>	<b>0%</b>	<b>0%</b>	
<b>HV--2</b>		Rural					
		Urban					
	(A)	Urban Schedule					
	(i)	For supply at 11kV	15%	11%	10%	0%	10%
	(ii)	For supply above 11kV and upto & Including 66kV	4%	13%	-5%	0%	4%
	(iii)	For supply above 66kV and upto & Including 132kV	10%	21%	20%	0%	10%
	(iv)	For supply above 132kV	-6%	10%	3%	0%	1%
	(B)	Rural Schedule					
	(i)	For supply at 11kV	-14%	21%	13%	0%	10%
	(ii)	For supply above 11kV and upto & Including 66kV	-100%	-100%	-100%	0%	1%
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>6%</b>	<b>12%</b>	<b>5%</b>	<b>11%</b>	
<b>HV--3</b>		Rural					
		Urban					
	(A)	For supply at the above 132kV	90%	33%	2%	0%	5%
	(B)	For supply below 132kV	12%	-20%	4%	0%	5%
	(C)	For Metro Traction	0%	0%	0%	0%	0%
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>63%</b>	<b>9%</b>	<b>2%</b>	<b>2%</b>	
<b>HV--4</b>		Rural					
		Urban					
	(A)	For supply at 11kV	5%	11%	7%	0%	5%
	(B)	For supply above 11kV and upto 66kV	-72%	-64%	-32%	0%	5%
	(C)	For supply above 66kV and upto 132kV	0%	0%	0%	0%	0%
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>	<b>0%</b>	<b>-1%</b>	<b>3%</b>	<b>3%</b>	
<b>EXTRA STATE</b>		Rural					
		Urban					
	(A)	EXTRA STATE & OTHERS	0%	-100%	-100%	0%	0%
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>0%</b>	<b>-100%</b>	<b>-100%</b>	<b>0%</b>	
<b>BULK</b>		Rural					
		Urban					
	(A)	NPCL	0%	0%	0%	0%	0%

  
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HV--1		Rural	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
	(B)	KESCO	0%	-100%	-100%	0%	0%
SUB TOTAL	BULK SUPPLY						
	GRAND TOTAL						

### 6.2.3 LMV CONSUMER LOAD

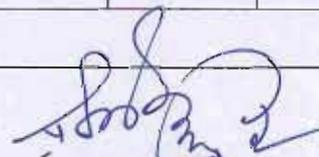
Adopted appropriate value of per Consumer Load of Previous Year -3, Previous Year -2, Previous Year -1 and Base Year for LV Consumer sub category are as below:

Table 6-8: Growth in LMV Consumer Load

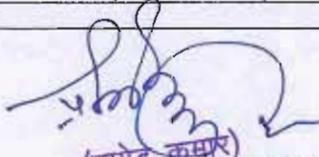
SUPPLY TYPE	CATEGORY	CATEGORY	Previous -3	Previous -2	Previous Year-1	Current Year	Assumed
LMV-1		Rural					
		Urban					
	(A)	Consumer getting supply as per "Rural Schedule"					
		(i) Un-metered	1.340	1.278	1.333	1.608	1.608
		(ii) Metered	1.375	1.300	1.427	1.319	1.427
	(B)	Supply at Single Point for Bulk Load	938.804	434.794	487.448	475.340	465.861
	(C1)	Other Metered Domestic Consumers	1.635	1.638	1.743	1.822	1.822
	(C2)	Life Line Consumers/BPL	1.000	1.000	1.001	1.003	1.003
SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)		1.506	1.453	1.524	1.596	1.596
LMV-2		Rural					
		Urban					
	(A)	Consumer getting supply as per "Rural Schedule"					
		(i) Un-metered	1.231	1.244	1.436	1.790	1.790
		(ii) Metered	2.371	2.421	2.452	2.530	2.530
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	2.981	2.236	3.056	2.724	2.724
	(C)	Other Metered Non-Domestic Supply	2.497	2.313	2.478	2.531	2.531
SUB TOTAL	NON DOMESTIC LIGHT FAN & POWER (LMV-2)		2.446	2.327	2.469	2.526	2.526
LMV-3	A	Rural					
		Urban					
	(A)	Un-metered Supply					
		(i) Gram Panchyat	11.702	13.535	10.833	9.795	9.795
		(ii) Nagar Palika & Nagar Panchyat	16.975	6.902	8.422	9.955	9.955
		(iii) Nagar Nigam	109.537	104.500	125.684	129.934	127.809

  
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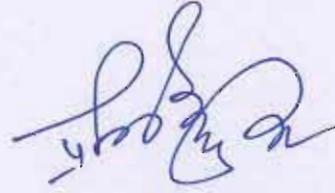
SUPPLY TYPE	CATEGORY	CATEGORY	Previous -3	Previous -2	Previous Year-1	Current Year	Assumed
	(B)	Metered Supply					
	(i)	Gram Panchyat	106.000	-	-	-	106.000
	(ii)	Nagar Palika & Nagar Panchyat	89.613	81.349	106.204	118.607	106.204
	(iii)	Nagar Nigam	73.875	57.377	39.467	44.600	44.600
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>31.298</b>	<b>16.924</b>	<b>19.949</b>	<b>21.371</b>	<b>22.385</b>
<b>LMV-4</b>	<b>A</b>	Rural					
		Urban					
	<b>B</b>	Rural					
		Urban					
	(A)	Public Institution(4 A)	6.332	4.994	4.506	4.285	4.595
	(B)	Private Institution(4 B)	5.526	6.054	97.625	7.560	7.560
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>	<b>6.059</b>	<b>5.253</b>	<b>25.130</b>	<b>4.978</b>	<b>25.130</b>
<b>LMV-5</b>		Rural					
		Urban					
	(A)	Rural Schedule					
	(i)	Un metered Supply	7.275	7.263	7.318	7.415	7.415
	(ii)	Metered Supply	7.166	6.925	7.209	7.362	7.362
	(B)	Urban Schedule					
	(i)	Metered Supply	7.252	7.021	7.163	7.519	7.519
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>7.261</b>	<b>7.173</b>	<b>7.266</b>	<b>7.447</b>	<b>7.447</b>
<b>LMV-6</b>		Rural					
		Urban					
	(A)	Small & Medium Power (Power Loom)					
	(i)	Rural Schedule	7.461	7.454	8.230	7.009	7.009
	(ii)	Urban Schedule	17.450	9.340	7.699	8.551	8.530
	(B)	Small & Medium Power					-
	(i)	Rural Schedule	7.392	9.216	7.403	6.383	6.383
	(ii)	Urban Schedule	6.988	9.247	9.480	9.476	9.480
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>8.631</b>	<b>8.919</b>	<b>8.895</b>	<b>8.735</b>	<b>8.919</b>
<b>LMV-7</b>		Rural					
		Urban					
	(A)	Rural Schedule					

  
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SUPPLY TYPE	CATEGORY	CATEGORY	Previous -3	Previous -2	Previous Year-1	Current Year	Assumed
	(i)	Jal Nigam	11.171	10.164	11.258	13.251	13.251
	(ii)	Jal Sansthan	18.393	15.511	12.690	10.278	10.278
	(iii)	Others (Water Works)	15.032	12.475	10.858	14.441	14.441
	(B)	Urban Schedule					
	(i)	Jal Nigam	30.442	16.764	15.250	7.383	7.383
	(ii)	Jal Sansthan	23.855	35.735	37.589	36.687	37.589
	(iii)	Others (Water Works)	18.813	19.256	18.661	19.286	19.286
SUB TOTAL	PUBLIC WATER WORKS(LMV-7)		20.398	18.927	19.780	15.916	20.398
LMV-8		Rural					
		Urban					
	(A)	Metered Supply	28.520	29.436	27.313	31.119	31.119
	(B)	Un-metered Supply					
	(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	19.490	18.750	19.118	19.674	19.674
	(ii)	Laghu Dal Nahar above 100 BHP	115.000	115.400	120.000	120.000	120.000
SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		22.248	21.465	21.520	22.485	22.485
LMV-9		Rural					
		Urban					
	(A)	Metered Supply					
	(i)	Individual Residential Consumers	5.012	2.803	2.114	2.120	2.346
	(ii)	Others	-	8.031	7.570	7.570	7.570
	(B)	Un-metered Supply					
	(i)	Ceremonies	16.200	11.350	11.385	3.565	3.565
	(ii)	Temporary Shops	-	-	-	-	-
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)		5.516	4.421	3.112	3.178	5.516
LMV-10	(A)	Serving					
	(i)	Class IV Employees	2.758	2.967	3.037	2.851	3.037
	(ii)	Class III Employees	2.640	2.892	2.932	2.844	2.932
	(iii)	Junior Engineers & Equivalent	3.004	2.922	3.026	3.048	3.048
	(iv)	Assistant Engineers & Equivalent	4.766	4.186	4.140	4.160	4.766
	(v)	Executive Engineers & Equivalent	4.885	4.476	4.396	4.475	4.475
	(vi)	Deputy General Manager & Equivalent	3.900	3.357	3.439	3.476	3.424

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दण्डिवाडिनिडलि, आगरा

SUPPLY TYPE	CATEGORY	CATEGORY	Previous -3	Previous -2	Previous Year-1	Current Year	Assumed
	(vii)	CGM/GM & Equivalent posts and above	4.125	3.080	3.125	3.125	3.125
	(B)	Total Pensioner & Family Pensioner	3.222	3.136	4.132	3.202	4.132
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	3.042	3.070	3.558	3.064	3.617



(प्रमोद कुमार)  
अधिकासी अभियन्ता (वाणिज्य)  
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## 6.2.4 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	Assumed	
		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max/current year between last 4 years			
LMV-1	Rural													
	Urban													
(A)	Consumer getting supply as per "Rural Schedule"	(i) Un-metered	1,062	1,058	1,099	1,290	1,290	793	828	825	802	828	1,296	1,296
		(ii) Metered	1,484	1,618	1,714	1,736	1,736	1,079	1,245	1,201	1,316	1,316		1,736
		Supply at Single Point for Bulk Load	2,438,889	1,235,294	1,373,291	1,756,252	2,438,889	2,598	2,841	2,817	3,695	3,695		3,695
		Other Metered Domestic Consumers	1,758	1,942	1,887	2,019	2,019	1,075	1,186	1,083	1,108	1,186		2,019
(C1)	Life Line Consumers/BPL	(i)	1,908	1,306	1,194	1,104	1,908	1,908	1,306	1,193	1,101	1,908		1,908
		(ii)	1,565	1,629	1,640	1,762	1,640	1,039	1,121	1,076	1,103			
SUB TOTAL LMV-2	Rural													
	Urban													
(A)	Consumer getting supply as per "Rural Schedule"	(i) Un-metered	1,111	1,125	1,309	1,330	1,330	902	904	911	743	911	1,296	1,296
		(ii) Metered	2,638	3,177	3,433	3,860	3,860	1,113	1,312	1,400	1,526	1,526		1,526
		Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	3,644	3,300	2,711	2,968	3,644	1,222	1,476	887	1,090	1,476		1,476

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SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer				Per Capita Consumption on Load Basis				Unmetered	Assumed				
		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1			Current Year	Max/current year between last 4 years		
SUB TOTAL (LMV-2)	(C) Other Metered Non-Domestic Supply	2,744	3,003	3,086	3,216	3,216	1,099	1,298	1,245	1,271	1,298	1,298			
		2,698	3,043	3,159	3,385	1,103	1,307	1,279	1,340	1,271	1,298	1,298			
SUB TOTAL (LMV-3)	A	Un-metered Supply	(i) Gram Panchyat	34,468	40,816	35,249	46,709	46,709	2,946	3,016	3,254	4,769	4,769	3,600	3,600
			(ii) Nagar Palika & Nagar Panchyat	60,880	21,322	30,070	32,157	60,880	3,586	3,089	3,571	3,230	3,586	4,320	4,320
			(iii) Nagar Nilgam	382,955	478,261	418,231	81,395	478,261	3,496	4,577	3,328	626	4,577	4,320	4,320
		Metered Supply	(i) Gram Panchyat	653,500	-	-	-	653,500	6,165	-	-	-	6,165	6,165	6,165
			(ii) Nagar Palika & Nagar Panchyat	349,435	333,333	427,352	471,005	471,005	3,899	4,098	4,024	3,971	4,098	4,098	
			(iii) Nagar Nilgam	265,500	169,811	177,314	123,267	265,500	3,594	2,960	4,493	2,764	4,493	4,493	
SUB TOTAL	PUBLIC LAMPS (LMV-3)	111,884	60,967	71,647	81,451	3,575	3,602	3,592	3,811	3,811	3,811	3,811			
LMV-4	A	Rural													
		Urban													
	B	Rural													
		Urban													
	(A)	Public Institution(4 A)	17,165	15,181	14,063	13,199	17,165	2,711	3,040	3,121	3,080	3,121	3,121		
		Private Institution(4 B)	9,796	11,812	17,397	18,574	18,574	1,773	1,951	178	2,457	178	2,457		
SUB TOTAL	LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	14,671	14,357	14,801	14,336	2,421	2,733	589	2,880	2,880	2,880	2,880			
LMV-5		Rural													
		Urban													
	(A)	Rural Schedule													
		(i) Un metered Supply	7,235	7,378	8,022	9,306	9,306	994	1,016	1,096	1,255	1,255	1,650	1,650	

  
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 वनविभागाधिकारी, आगरा

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis					Unmetered	Assumed	
		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max/current year between last 4 years			
	(B)	Metered Supply	15,949	15,473	14,835	24,505	24,505	2,226	2,234	2,058	3,328	3,328		3,328
	(B)	Urban Schedule												
	(i)	Metered Supply	16,014	16,152	16,641	16,661	16,641	2,208	2,301	2,323	2,136	2,323		2,323
SUB TOTAL	PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		10,326	10,445	10,952	11,906		1,422	1,456	1,507	1,599			
LMV-6	Rural													
	Urban													
	(A)	Small & Medium Power (Power Loom)												
	(i)	Rural Schedule	7,038	7,433	14,559	10,054	14,559	943	997	1,769	1,435	1,769		1,769
	(ii)	Urban Schedule	15,240	11,387	8,188	12,776	15,240	873	1,219	1,063	1,494	1,494		1,494
	(B)	Small & Medium Power												
	(i)	Rural Schedule	7,749	16,162	8,518	8,811	16,162	1,048	1,754	1,151	1,380	1,754		1,754
	(ii)	Urban Schedule	10,640	13,659	14,479	13,852	14,479	1,523	1,477	1,527	1,462	1,527		1,462
SUB TOTAL	SMALL & MEDIUM POWER UPTO 100 HP (LMV-6)		10,388	12,575	13,075	12,703		1,204	1,410	1,470	1,454			
LMV-7	Rural													
	Urban													
	(A)	Rural Schedule												
	(i)	Jai Nilgam	43,783	43,228	56,738	45,366	56,738	3,919	4,253	5,040	3,424	5,040		5,040
	(ii)	Jai Sansthan	33,089	35,008	69,989	47,531	69,989	1,799	2,257	5,515	4,625	5,515		4,625
	(iii)	Others (Water Works)	62,355	50,505	58,311	33,192	62,355	4,148	4,049	5,370	2,299	5,370		2,299
	(B)	Urban Schedule												
	(i)	Jai Nilgam	93,511	63,457	75,421	42,406	93,511	3,072	3,785	4,945	5,744	5,744		5,744
	(ii)	Jai Sansthan	105,902	148,464	124,629	119,369	148,464	4,439	4,155	3,316	3,254	4,439		3,316
	(iii)	Others (Water Works)	57,451	50,473	60,681	143,203	143,203	3,054	2,621	3,252	7,425	7,425		7,425
SUB TOTAL	PUBLIC WATER WORKS(LMV-7)		70,717	67,616	79,961	65,222		3,467	3,572	4,042	4,098			

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SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer				Per Capita Consumption on Load Basis						Unmetered	Assumed			
		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max/current year between last 4 years					
LMV--8	Rural															
		Urban														
	(A)	Metered Supply	91,875	146,468	121,213	180,188	180,188	3,221	4,976	4,438	5,790	5,790		5,790		
		Un-metered Supply														
	(B)	STW, Panchayat Raj, WB, LDuch, P Canals, LI upto 100 BHP	(i)	59,688	53,359	66,769	68,454	68,454	3,063	2,846	3,493	3,479	3,493	64122	64,122	
			(ii)	Laghu Dal Nahar above 100 BHP	147,250	400,000	1,553,250	1,230,750	1,553,250	1,280	3,466	12,944	10,256	12,944	64122	64,122
	SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	69,351	76,615	83,245	96,014		3,117	3,569	3,868	4,270					
	LMV--9	Rural														
		Urban														
	(A)	Metered Supply	(i)	11,559	8,842	5,963	8,914	11,559	2,306	3,155	2,821	4,204	4,204		4,204	
(ii)			Others	-	15,464	13,165	-	15,464	-	1,926	1,739	-	1,926		1,926	
(B)	Un-metered Supply	(i)	60,029	24,540	65,385	11,739	65,385	3,705	2,162	5,743	3,293	5,743		5,743		
		(ii)	Temporary Shops	-	-	-	-	-	-	-	-	-	-		-	
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)	13,742	11,425	8,008	7,268		2,491	2,584	2,573	2,287						
LMV--10	(A)	Serving	(i)	3,210	4,342	7,506	4,454	7,506	1,164	1,463	2,471	1,562	2,471		4,454	
			(ii)	Class III Employees	3,188	2,754	2,706	3,641	3,641	1,207	952	923	1,280	1,280		3,641
			(iii)	Junior Engineers & Equivalent	3,684	5,051	6,953	4,483	6,953	1,227	1,729	2,298	1,471	2,298		4,483
			(iv)	Assistant Engineers & Equivalent	8,680	8,310	7,096	6,984	8,680	1,821	1,985	1,714	1,679	1,985		6,984
			(v)	Executive Engineers & Equivalent	14,315	8,065	7,871	8,054	14,315	2,931	1,802	1,791	1,800	2,931		8,054

  
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Annual Revenue Requirement Petition of DVVNL 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	Assumed
			Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1		
		(vi) Deputy General Manager & Equivalent	2,758	-	5,034	5,957	5,957	1,464	1,714	1,714	5,957	5,957
		(vii) CGM/GM & Equivalent posts and above	6,511	-	8,171	8,171	8,171	2,615	2,615	2,615	8,171	5,002
	(B)	Total Pensioner & Family Pensioner	5,919	6,092	6,677	6,125	6,677	1,942	1,913	1,942	6,125	6,125
SUB TOTAL HV--1		DEPARTMENTAL EMPLOYEES (LMV-10)	4,826	4,932	5,952	5,135	5,952	1,606	1,676	1,676	5,135	
		Rural										
		Urban										
	(A)	Urban Schedule										
		(i) For supply at 11kv	587,396	618,123	544,020	583,312	618,123	1,937	2,253	2,253	583,312	2,323
		(ii) For supply above 11kv and upto & including 66kv	3,095,585	5,000,000	2,788,422	2,083,910	5,000,000	1,750	3,370	3,370	2,083,910	3,007
		(iii) For supply above 66kv and upto & including 132kv	-	-	-	-	-	-	-	-	-	-
		(iv) For supply above 132kv	-	-	-	-	-	-	-	-	-	-
	(B)	Rural Schedule										
		(i) For supply at 11kv	3,296,500	666,667	-	-	3,296,500	1,584	39,958	39,958	3,296,500	1,584
		(ii) For supply above 11kv and upto & including 66kv	652,353	-	-	-	652,353	-	-	-	652,353	-
SUB TOTAL HV--2		NON INDUSTRIAL BULK LOADS (HV-1)	785,911	808,511	690,468	648,695	808,511	1,885	2,369	2,369	648,695	1,885
		Rural										
		Urban										
	(A)	Urban Schedule										
		(i) For supply at 11kv	577,195	575,540	514,430	682,204	682,204	2,704	2,857	2,857	682,204	2,704
		(ii) For supply above 11kv and upto & including	7,563,242	7,478,261	6,619,888	7,090,568	7,563,242	3,276	3,935	3,935	7,090,568	3,276

*(Signature)*  
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Annual Revenue Requirement Petition of DVVNL 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/current year between last 4 years	Unmetered	Assumed	
		Previous -3	Previous -2	Previous Year-1	Current Year	Previous -3	Previous -2	Previous Year-1	Current Year				
	Urban												
	(A)	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL	EXTRA STATE CONSUMERS	-	-	-	-	-	-	-	-	-	-	-	-
BULK	Rural												
	Urban												
	(A)	-	-	-	-	-	-	-	-	-	-	-	-
	(B)	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL	BULK SUPPLY	-	-	-	-	-	-	-	-	-	-	-	-
	GRAND TOTAL	3,867	3,982	4,030	4,252	1,473	1,572	1,460	1,601				

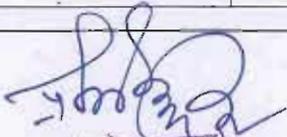
  
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 अधिशासी अभियन्ता (वाणिज्य)  
 वृधविद्यालय, आगरा

## 6.2.5 CONSUMER SUB-CATEGORY WISE PROJECTIONS

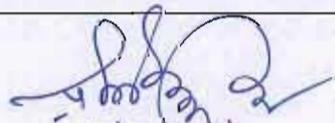
Projections for Nos of Consumer sub-category wise for the two years have been made as given below:

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

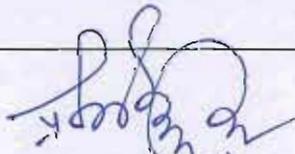
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16	
LMV--1		Rural				
		Urban				
	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	616,110	554,499	431,277
		(ii)	Metered	613,118	966,478	2,548,443
	(B)	Supply at Single Point for Bulk Load		97	106	115
	(C1)	Other Metered Domestic Consumers		934,593	990,669	1,050,109
	(C2)	Life Line Consumers/BPL		158,509	166,434	174,756
	<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>		<b>2,322,427</b>	<b>2,678,185</b>	<b>4,204,700</b>
	LMV--2		Rural			
Urban						
(A)		Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	3,326	3,526	3,737
		(ii)	Metered	76,418	80,239	84,251
(B)		Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		7,381	7,824	8,293
(C)		Other Metered Non-Domestic Supply		156,598	164,428	172,649
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>		<b>243,723</b>	<b>256,016</b>	<b>268,931</b>
LMV--3		A	Rural			
			Urban			
	(A)	Un-metered Supply				
		(i)	Gram Panchyat	375	439	513
		(ii)	Nagar Palika & Nagar Panchyat	911	920	929
		(iii)	Nagar Nigam	76	87	101
	(B)	Metered Supply				
		(i)	Gram Panchyat	-	-	-
		(ii)	Nagar Palika & Nagar Panchyat	56	59	62
		(iii)	Nagar Nigam	45	54	65
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>		<b>1,463</b>	<b>1,559</b>	<b>1,670</b>	
LMV--4	A	Rural				
		Urban				
	B	Rural				

  
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 द.वि.वि.नि.लि.०, आगरा

SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
		Urban			
	(A)	Public Institution(4 A)	17,959	19,396	20,947
	(B)	Private Institution(4 B)	4,821	4,917	5,016
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>		<b>22,780</b>	<b>24,313</b>	<b>25,963</b>
<b>LMV--5</b>		Rural			
		Urban			
	(A)	Rural Schedule			
		(i) Un metered Supply	126,241	126,241	126,241
		(ii) Metered Supply	5,251	5,514	5,789
	(B)	Urban Schedule			
		(i) Metered Supply	63,076	66,861	70,872
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>		<b>194,568</b>	<b>198,615</b>	<b>202,902</b>
<b>LMV--6</b>		Rural			
		Urban			
	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	5,482	5,756	6,044
		(ii) Urban Schedule	3,839	4,031	4,232
	(B)	Small & Medium Power			
		(i) Rural Schedule	6,097	6,463	6,851
		(ii) Urban Schedule	33,056	34,709	36,444
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>48,474</b>	<b>50,959</b>	<b>53,571</b>
<b>LMV--7</b>		Rural			
		Urban			
	(A)	Rural Schedule			
		(i) Jal Nigam	833	958	1,102
		(ii) Jal Sansthan	821	920	1,030
		(iii) Others (Water Works)	177	198	222
	(B)	Urban Schedule			
		(i) Jal Nigam	1,205	1,326	1,458
		(ii) Jal Sansthan	793	856	925
		(iii) Others (Water Works)	273	284	295
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>		<b>4,102</b>	<b>4,542</b>	<b>5,032</b>
<b>LMV--8</b>		Rural			
		Urban			
	(A)	Metered Supply	1,559	1,637	1,719
	(B)	Un-metered Supply	-	-	-
		(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	4,926	5,074	5,226
		(ii) Laghu Dal Nahar above 100 BHP	4	4	4

  
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SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>		<b>6,489</b>	<b>6,715</b>	<b>6,949</b>
LMV--9		Rural			
		Urban			
	(A)	Metered Supply			
		(i) Individual Residential Consumers	1,108	1,274	1,465
		(ii) Others	265	318	382
	(B)	Un-metered Supply			
		(i) Ceremonies	23	24	25
		(ii) Temporary Shops	-	-	-
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>		<b>1,396</b>	<b>1,616</b>	<b>1,872</b>
LMV--10	(A)	Serving			
		(i) Class IV Employees	3,951	4,091	4,236
		(ii) Class III Employees	3,898	4,639	5,520
		(iii) Junior Engineers & Equivalent	457	503	553
		(iv) Assistant Engineers & Equivalent	382	401	421
		(v) Executive Engineers & Equivalent	139	153	168
		(vi) Deputy General Manager & Equivalent	42	46	51
		(vii) CGM/GM & Equivalent posts and above	24	24	25
	(B)	Total Pensioner & Family Pensioner	7,742	7,897	8,055
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>		<b>16,635</b>	<b>17,754</b>	<b>19,029</b>
HV--1		Rural			
		Urban			
	(A)	Urban Schedule			
		(i) For supply at 11kV	437	468	500
		(ii) For supply above 11kV and upto & Including 66kV	19	20	20
		(iii) For supply above 66kV and upto & Including 132kV	-	-	-
		(iv) For supply above 132kV	-	-	-
	(B)	Rural Schedule			
		(i) For supply at 11kV	-	-	-
		(ii) For supply above 11kV and upto & Including 66kV	-	-	-
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>		<b>456</b>	<b>487</b>	<b>520</b>
HV--2		Rural			
		Urban			
	(A)	Urban Schedule			
		(i) For supply at 11kV	1,646	1,811	1,992
		(ii) For supply above 11kV and upto & Including 66kV	95	99	103

  
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SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
		(iii) For supply above 66kV and upto & Including 132kV	141	155	171
		(iv) For supply above 132kV	1	1	1
	(B)	Rural Schedule			
		(i) For supply at 11kV	324	356	392
		(ii) For supply above 11kV and upto & Including 66kV	-	-	-
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>		<b>2,207</b>	<b>2,422</b>	<b>2,658</b>
<b>HV--3</b>		Rural			
		Urban			
	(A)	For supply at the above 132kV	6	6	7
	(B)	For supply below 132kV	2	2	2
	(C)	For Metro Traction	-	-	-
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>		<b>8</b>	<b>8</b>	<b>9</b>
<b>HV--4</b>		Rural			
		Urban			
	(A)	For supply at 11kV	36	38	40
	(B)	For supply above 11kV and upto 66kV	1	1	1
	(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>38</b>	<b>40</b>	<b>42</b>
<b>EXTRA STATE</b>		Rural			
		Urban			
	(A)	EXTRA STATE & OTHERS	-	-	-
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>		<b>-</b>	<b>-</b>	<b>-</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>2,864,766</b>	<b>3,243,232</b>	<b>4,793,848</b>

#### 6.2.6 CONNECTED LOAD SUB-CATEGORY WISE PROJECTIONS

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

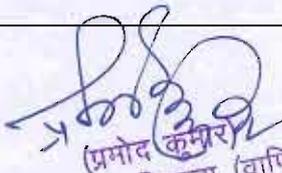
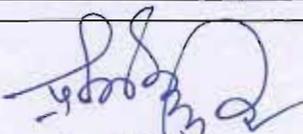
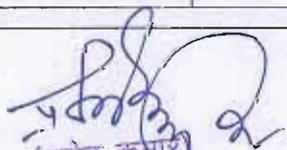
  
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Table 6-11: Sub category wise projections of connected load

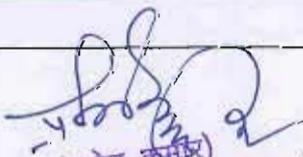
Agra Discom			Projected Connected Load in KW			
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16	
LMV--1		Rural				
		Urban				
	(A)	Consumer getting supply as per "Rural Schedule"				
		(i) Un-metered	991,001	891,901	693,701	
		(ii) Metered	808,437	1,378,855	3,635,814	
	(B)	Supply at Single Point for Bulk Load	46,108	49,255	53,688	
	(C1)	Other Metered Domestic Consumers	1,703,100	1,805,286	1,913,603	
	(C2)	Life Line Consumers/BPL	158,977	166,926	175,272	
	<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>		<b>3,707,623</b>	<b>4,292,223</b>	<b>6,472,078</b>
	LMV--2		Rural			
		Urban				
(A)		Consumer getting supply as per "Rural Schedule"				
		(i) Un-metered	5,953	6,310	6,689	
		(ii) Metered	193,340	203,007	213,157	
(B)		Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	20,105	21,311	22,590	
(C)		Other Metered Non-Domestic Supply	396,281	416,095	436,900	
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>		<b>615,679</b>	<b>646,724</b>	<b>679,336</b>
LMV--3		A	Rural			
			Urban			
	(A)	Un-metered Supply				
		(i) Gram Panchyat	3,673	4,297	5,028	
		(ii) Nagar Palika & Nagar Panchyat	9,069	9,160	9,251	
		(iii) Nagar Nigam	9,875	11,170	12,846	
	(B)	Metered Supply				
		(i) Gram Panchyat	-	-	-	
		(ii) Nagar Palika & Nagar Panchyat	6,642	6,245	6,557	
		(iii) Nagar Nigam	2,007	2,408	2,890	
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>		<b>31,266</b>	<b>33,281</b>	<b>36,572</b>	
LMV--4	A	Rural				
		Urban				
	B	Rural				
		Urban				
	(A)	Public Institution(4 A)	76,952	89,119	96,249	
	(B)	Private Institution(4 B)	36,445	37,174	37,917	
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE</b>		<b>113,397</b>	<b>126,293</b>	<b>134,166</b>	

  
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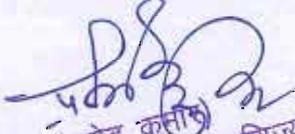
Agra Discom			Projected Connected Load in KW		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
	INSTITUTION (LMV-4)				
LMV--5		Rural			
		Urban			
	(A)	Rural Schedule			
		(i) Un metered Supply	936,053	936,053	936,053
		(ii) Metered Supply	38,660	40,593	42,623
	(B)	Urban Schedule			
		(i) Metered Supply	474,295	502,753	532,918
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>		<b>1,449,008</b>	<b>1,479,399</b>	<b>1,511,594</b>
LMV--6		Rural			
		Urban			
	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	38,422	40,343	42,360
		(ii) Urban Schedule	32,829	34,384	36,104
	(B)	Small & Medium Power			
		(i) Rural Schedule	38,915	41,250	43,725
		(ii) Urban Schedule	313,252	329,052	345,504
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>423,418</b>	<b>445,029</b>	<b>467,693</b>
LMV--7		Rural			
		Urban			
	(A)	Rural Schedule			
		(i) Jal Nigam	11,038	12,694	14,598
		(ii) Jal Sansthan	8,438	9,451	10,585
		(iii) Others (Water Works)	2,556	2,863	3,206
	(B)	Urban Schedule			
		(i) Jal Nigam	8,896	9,786	10,764
		(ii) Jal Sansthan	29,093	32,193	34,768
		(iii) Others (Water Works)	5,265	5,476	5,695
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>		<b>65,286</b>	<b>72,461</b>	<b>79,616</b>
LMV--8		Rural			
		Urban			
	(A)	Metered Supply	48,515	50,941	53,488
	(B)	Un-metered Supply	-	-	-
		(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	96,913	99,820	102,815
		(ii) Laghu Dal Nahar above 100 BHP	480	480	480
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>		<b>145,908</b>	<b>151,241</b>	<b>156,783</b>
LMV--9		Rural			
		Urban			

  
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Agra Discom			Projected Connected Load in KW		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
	(A)	Metered Supply			
		(i) Individual Residential Consumers	2,349	2,989	3,437
		(ii) Others	2,006	2,407	2,889
	(B)	Un-metered Supply			
		(i) Ceremonies	82	86	90
		(ii) Temporary Shops	-	-	-
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>		<b>4,437</b>	<b>5,482</b>	<b>6,416</b>
<b>LMV--10</b>	(A)	Serving			
		(i) Class IV Employees	11,263	12,425	12,865
		(ii) Class III Employees	11,087	13,599	16,183
		(iii) Junior Engineers & Equivalent	1,393	1,532	1,686
		(iv) Assistant Engineers & Equivalent	1,589	1,911	2,007
		(v) Executive Engineers & Equivalent	622	684	753
		(vi) Deputy General Manager & Equivalent	146	158	174
		(vii) CGM/GM & Equivalent posts and above	75	77	78
	(B)	Total Pensioner & Family Pensioner	24,792	32,630	33,282
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>		<b>50,967</b>	<b>63,016</b>	<b>67,028</b>
<b>HV--1</b>		Rural			
		Urban			
	(A)	Urban Schedule			
		(i) For supply at 11kV	113,124	121,043	129,516
		(ii) For supply above 11kV and upto & Including 66kV	11,749	12,101	12,465
		(iii) For supply above 66kV and upto & Including 132kV	-	-	-
		(iv) For supply above 132kV	-	-	-
	(B)	Rural Schedule			
		(i) For supply at 11kV	-	-	-
		(ii) For supply above 11kV and upto & Including 66kV	-	-	-
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>		<b>124,873</b>	<b>133,144</b>	<b>141,980</b>
<b>HV--2</b>		Rural			
		Urban			
	(A)	Urban Schedule			
		(i) For supply at 11kV	393,045	432,350	475,584
		(ii) For supply above 11kV and upto & Including 66kV	171,198	178,046	185,168
		(iii) For supply above 66kV and upto & Including 132kV	61,705	67,876	74,663
		(iv) For supply above 132kV	31,500	31,815	32,133

  
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Agra Discom			Projected Connected Load in KW		
SUPPLY TYPE	CATEGORY	CATEGORY	2013-14	2014-15	2015-16
	(B)	Rural Schedule			
		(i) For supply at 11kV	72,614	79,875	87,863
		(ii) For supply above 11kV and upto & Including 66kV	-	-	-
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>		<b>730,062</b>	<b>789,961</b>	<b>855,411</b>
<b>HV--3</b>		Rural			
		Urban			
	(A)	For supply at the above 132kV	93,750	98,438	103,359
	(B)	For supply below 132kV	22,050	23,153	24,310
	(C)	For Metro Traction	-	-	-
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>		<b>115,800</b>	<b>121,590</b>	<b>127,670</b>
<b>HV--4</b>		Rural			
		Urban			
	(A)	For supply at 11kV	20,921	21,967	23,065
	(B)	For supply above 11kV and upto 66kV	143	150	158
	(C)	For supply above 66kV and upto 132kV	9,350	9,350	9,350
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>		<b>30,414</b>	<b>31,467</b>	<b>32,573</b>
<b>EXTRA STATE</b>		Rural			
		Urban			
	(A)	EXTRA STATE & OTHERS	-	-	-
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>		<b>-</b>	<b>-</b>	<b>-</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>7,608,138</b>	<b>8,391,312</b>	<b>10,768,916</b>

  
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**6.2.7 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**

Agra Discom SUPPLY TYPE	CATEGO RY	CATEGORY	Projected Sales			Projected (Impact of Running Hours on Sales )			Projected (Impact of Demand Side Management on Sales )					
			2013-14	2015-16	2016-17	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17			
LMV--1		Rural												
		Urban	92.33	92.33	92.33									
	(A)	Consumer getting supply as per "Rural Schedule"												
		(i) Un-metered	795	1,156	899	795	1,156	899	795	1,156	899			899
		(ii) Metered	1,064	1,678	4,424	1,064	1,615	4,554	1,064	1,615	4,554			4,554
	(B)	Supply at Single Point for Bulk Load	170	186	202	170	187	209	170	187	209			209
	(C1)	Other Metered Domestic Consumers	1,887	2,000	2,120	1,887	2,012	2,191	1,898	2,012	2,191			2,191
	(C2)	Life Line Consumers/BPL	175	317	333	175	319	345	175	319	345			345
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>4,091</b>	<b>5,337</b>	<b>7,979</b>	<b>4,091</b>	<b>5,289</b>	<b>8,198</b>	<b>4,102</b>	<b>5,289</b>	<b>8,198</b>			<b>8,198</b>
LMV--2		Rural												
		Urban												
	(A)	Consumer getting supply as per "Rural Schedule"												
		(i) Un-metered	4	8	9	4	8	9	4	8	9			9
		(ii) Metered	295	310	325	295	312	335	295	312	335			335
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	22	31	33	22	32	34	22	32	34			34
	(C)	Other Metered Non-Domestic Supply	504	540	567	504	543	587	504	543	587			587


  
 (Signature)  
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 एन.डी.डी. कार्यालय, आगरा

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

Agra Discom		Projected Sales				Projected (Impact of Running Hours on Sales)				Projected (Impact of Demand Side Management on Sales)			
SUPPLY TYPE	CATEGORY	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17
SUB TOTAL LMV-3	NON DOMESTIC LIGHT FAN & POWER (LMV-2)	825	890	934	825	895	964	825	895	964	825	895	964
	A												
	(A)												
	Rural												
	Urban												
	Un-metered Supply												
	(i) Gram Panchyat	18	15	18	18	15	18	18	15	18	18	15	18
	(ii) Nagar Palika & Nagar Panchyat	29	40	40	29	40	40	29	40	40	29	40	40
	(iii) Nagar Nigam	6	48	55	6	48	55	6	48	55	6	48	55
	(B) Metered Supply												
	(i) Gram Panchyat	34	-	-	34	-	-	34	-	-	34	-	-
	(ii) Nagar Palika & Nagar Panchyat	26	26	27	26	26	28	26	26	26	26	26	28
	(iii) Nagar Nigam	6	11	13	6	11	13	6	11	13	6	11	13
SUB TOTAL LMV-4	PUBLIC LAMPS (LMV-3)	119	140	153	119	140	155	119	140	155	119	140	155
	A												
	Rural												
	Urban												
	B												
	Rural												
	Urban												
	(A)	237	278	300	237	280	309	237	280	309	237	280	309
	(B)	90	91	93	90	92	96	90	92	96	90	92	96
SUB TOTAL LMV-5	LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	327	369	394	327	372	406	327	372	406	327	372	406
	A												
	Rural												
	Urban												
	(A)												
	Rural Schedule												
	(i) Un metered Supply	1,175	1,544	1,544	1,175	1,544	1,544	1,175	1,544	1,544	1,175	1,544	1,544
	(ii) Metered Supply	129	135	142	129	135	142	129	135	142	129	135	142

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 अखिल भारतीय, आगरा

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

Agra Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17
(B)	Urban Schedule									
	(i) Metered Supply	1,013	1,168	1,238	1,013	1,168	1,238	1,013	1,168	1,238
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>2,317</b>	<b>2,847</b>	<b>2,924</b>	<b>2,317</b>	<b>2,847</b>	<b>2,924</b>	<b>2,317</b>	<b>2,847</b>	<b>2,924</b>
<b>LMV-6</b>	Rural									
	Urban									
(A)	Small & Medium Power (Power Loom)									
	(i) Rural Schedule	55	71	75	55	72	77	55	72	77
	(ii) Urban Schedule	49	51	54	49	52	56	49	52	56
(B)	Small & Medium Power									
	(i) Rural Schedule	54	72	77	54	73	79	54	73	79
	(ii) Urban Schedule	458	481	505	458	484	521	458	484	521
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>616</b>	<b>676</b>	<b>711</b>	<b>616</b>	<b>680</b>	<b>733</b>	<b>616</b>	<b>680</b>	<b>733</b>
<b>LMV-7</b>	Rural									
	Urban									
(A)	Rural Schedule									
	(i) Jal Nigam	38	64	74	38	64	74	38	64	74
	(ii) Jal Sansthan	39	44	49	39	44	49	39	44	49
	(iii) Others (Water Works)	6	7	7	6	7	7	6	7	7
(B)	Urban Schedule									
	(i) Jal Nigam	51	56	62	51	56	62	51	56	62
	(ii) Jal Sansthan	95	107	115	95	107	115	95	107	115
	(iii) Others (Water Works)	39	41	42	39	41	42	39	41	42
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>268</b>	<b>318</b>	<b>349</b>	<b>268</b>	<b>318</b>	<b>349</b>	<b>268</b>	<b>318</b>	<b>349</b>
<b>LMV-8</b>	Rural									

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

Agra Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17
	Urban									
(A)	Metered Supply	281	295	310	281	295	310	281	295	310
(B)	Un-metered Supply	-	-	-	-	-	-	-	-	-
	(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	337	325	335	337	325	335	337	325	335
	(ii) Laghu Dal Nahar above 100 BHP	5	0.3	0.3	4.92	0.26	0.26	5	0	0
SUB TOTAL LMV--9	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	623	621	645	623	621	645	623	621	645
	Rural									
	Urban									
(A)	Metered Supply									
	(i) Individual Residential Consumers	10	13	14	10	13	15	10	13	15
	(ii) Others	-	5	6	-	-	-	-	-	-
(B)	Un-metered Supply									
	(i) Ceremonies	0	0	1	0	0	1	0	0	1
	(ii) Temporary Shops	-	-	-	-	-	-	-	-	-
SUB TOTAL LMV--10	TEMPORARY SUPPLY (LMV-9)	10	18	21	10	13	16	10	13	16
(A)	Serving									
	(i) Class IV Employees	18	18	19	18	18	19	18	18	19
	(ii) Class III Employees	14	17	20	14	17	21	14	17	21
	(iii) Junior Engineers & Equivalent	2	2	2	2	2	3	2	2	3
	(iv) Assistant Engineers & Equivalent	3	3	3	3	3	3	3	3	3
	(v) Executive Engineers & Equivalent	1	1	1	1	1	1	1	1	1

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

Agra Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)			
SUPPLY TYPE	CATEGO RY	CATEGORY	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17
		(vi) Deputy General Manager & Equivalent	0	0	0	0	0	0	0	0	0
		(vii) CGM/GM & Equivalent posts and above	0	0	0	0	0	0	0	0	0
	(B)	Total Pensioner & Family Pensioner	47	48	49	47	49	51	47	49	51
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>85</b>	<b>90</b>	<b>96</b>	<b>85</b>	<b>91</b>	<b>99</b>	<b>85</b>	<b>91</b>	<b>99</b>
HV--1		Rural									
		Urban									
	(A)	Urban Schedule									
		(i) For supply at 11kV	255	281	301	255	281	301	255	281	301
		(ii) For supply above 11kV and upto & including 66kV	40	45	46	40	45	46	40	45	46
		(iii) For supply above 66kV and upto & including 132kV	-	-	-	-	-	-	-	-	-
		(iv) For supply above 132kV	-	-	-	-	-	-	-	-	-
	(B)	Rural Schedule									
		(i) For supply at 11kV	1	-	-	1	-	-	1	-	-
		(ii) For supply above 11kV and upto & including 66kV	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>296</b>	<b>326</b>	<b>347</b>	<b>296</b>	<b>326</b>	<b>347</b>	<b>296</b>	<b>326</b>	<b>347</b>
HV--2		Rural									
		Urban									
	(A)	Urban Schedule									
		(i) For supply at 11kV	1,123	1,235	1,359	1,123	1,235	1,359	1,123	1,235	1,359

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 डि.क.निलिडि, आगरा

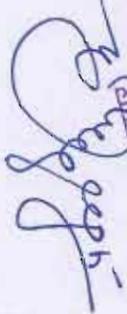
Annual Revenue Requirement Petition of DVNL for FY 2015-16 and True-Up Petition for FY 2012-13

Agra Discom		Projected Sales				Projected (Impact of Running Hours on Sales)				Projected (Impact of Demand Side Management on Sales)			
SUPPLY TYPE	CATEGORY	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17
	(ii)	674	702	730	674	702	730	674	702	730	674	702	730
	(iii)	197	221	243	197	221	243	197	221	243	197	221	243
	(iv)	218	220	222	218	220	222	218	220	222	218	220	222
	Rural Schedule												
	(i)	36	227	250	36	227	250	36	227	250	36	227	250
	(ii)	0	-	-	0	-	-	0	-	-	0	-	-
<b>SUB TOTAL HV-3</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>2,248</b>	<b>2,605</b>	<b>2,804</b>	<b>2,248</b>	<b>2,605</b>	<b>2,804</b>	<b>2,248</b>	<b>2,605</b>	<b>2,804</b>	<b>2,248</b>	<b>2,605</b>	<b>2,804</b>
	Rural												
	Urban												
	(A)	135	142	149	135	142	149	135	142	149	135	142	149
	(B)	80	99	104	80	99	104	80	99	104	80	99	104
	(C)	-	-	-	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL HV-4</b>	<b>RAILWAY TRACTION (HV-3)</b>	<b>216</b>	<b>241</b>	<b>253</b>	<b>216</b>	<b>241</b>	<b>253</b>	<b>216</b>	<b>241</b>	<b>253</b>	<b>216</b>	<b>241</b>	<b>253</b>
	Rural												
	Urban												
	(A)	131	138	145	131	138	145	131	138	145	131	138	145
	(B)	0	3	3	0	3	3	0	3	3	0	3	3
	(C)	11	15	15	11	15	15	11	15	15	11	15	15
<b>SUB TOTAL EXTRA STATE</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>	<b>143</b>	<b>156</b>	<b>163</b>	<b>143</b>	<b>156</b>	<b>163</b>	<b>143</b>	<b>156</b>	<b>163</b>	<b>143</b>	<b>156</b>	<b>163</b>
	Rural												

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

Agra Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17	2013-14	2015-16	2016-17
	Urban									
	EXTRA STATE & OTHERS	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>	-	-	-	-	-	-	-	-	-
<b>BULK</b>	Rural									
	Urban									
	NPCL	-	-	-	-	-	-	-	-	-
	KESCO	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL</b>	<b>BULK SUPPLY</b>									
	<b>GRAND TOTAL</b>	12,182	14,633	17,772	12,182	14,593	18,055	12,193	14,593	18,055

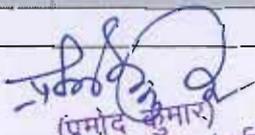
  
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 दंडविनिर्माणालय, आगरा

## 6.3 ACTUAL BILLING DETERMINANTS FOR FY 2013-14

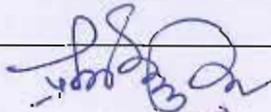
The detailed category-wise data for previous year 2013-14 is placed in the table below:

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

SUPPLY TYPE	CATG	AGRA 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	6,16,110	9,91,001	795
		(ii)	Metered	6,13,118	8,08,437	1,064
	(B)	Supply at Single Point for Bulk Load		97	46,108	170
	(C1)	Other Metered Domestic Consumers		9,34,593	17,03,100	1,898
	(C2)	Life Line Consumers/BPL		1,58,509	1,58,977	175
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)		23,22,427	37,07,623	4,102
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	3,326	5,953	4
		(ii)	Metered	76,418	1,93,340	295
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		7,381	20,105	22
	(C)	Other Metered Non-Domestic Supply		1,56,598	3,96,281	504
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)		2,43,723	6,15,679	825
LMV--3	(A)	Un-metered Supply				
		(i)	Gram Panchyat	375	3,673	18
		(ii)	Nagar Palika & Nagar Panchyat	911	9,069	29
		(iii)	Nagar Nigam	76	9,875	6
	(B)	Metered Supply				
		(i)	Gram Panchyat	-	-	34
		(ii)	Nagar Palika & Nagar Panchyat	56	6,642	26
		(iii)	Nagar Nigam	45	2,007	6
SUB TOTAL		PUBLIC LAMPS (LMV-3)		1,463	31,266	119
LMV--4	(A)	Public Institution(4 A)		17,959	76,952	237
	(B)	Private Institution(4 B)		4,821	36,445	90
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)		22,780	1,13,397	327

  
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SUPPLY TYPE	CATG	AGRA DISCOM FY 2013-14		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV-- 5	(A)	Rural Schedule				
		(i)	Un metered Supply	1,26,241	9,36,053	1,175
		(ii)	Metered Supply	5,251	38,660	129
	(B)	Urban Schedule				
		(i)	Metered Supply	63,076	4,74,295	1,013
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>		<b>1,94,568</b>	<b>14,49,008</b>	<b>2,317</b>
LMV-- 6	(A)	Small & Medium Power (Power Loom)				
		(i)	Rural Schedule	5,482	38,422	55
		(ii)	Urban Schedule	3,839	32,829	49
	(B)	Small & Medium Power				
		(i)	Rural Schedule	6,097	38,915	54
		(ii)	Urban Schedule	33,056	3,13,252	458
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>48,474</b>	<b>4,23,418</b>	<b>616</b>
LMV-- 7	(A)	Rural Schedule				
		(i)	Jal Nigam	833	11,038	38
		(ii)	Jal Sansthan	821	8,438	39
		(iii)	Others (Water Works)	177	2,556	6
	(B)	Urban Schedule				
		(i)	Jal Nigam	1,205	8,896	51
		(ii)	Jal Sansthan	793	29,093	95
		(iii)	Others (Water Works)	273	5,265	39
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>		<b>4,102</b>	<b>65,286</b>	<b>268</b>
LMV-- 8	(A)	Metered Supply		1,559	48,515	281
	(B)	Un-metered Supply				
		(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	4,926	96,913	337
		(ii)	Laghu Dal Nahar above 100 BHP	4	480	5
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>		<b>6,489</b>	<b>1,45,908</b>	<b>623</b>
LMV-- 9	(A)	Metered Supply				
		(i)	Individual Residential Consumers	1,108	2,349	10
		(ii)	Others	265	2,006	-
	(B)	Un-metered Supply				
		(i)	Ceremonies	23	82	0

  
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SUPPLY TYPE	CATG	AGRA DISCOM FY 2013-14		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>		<b>1,396</b>	<b>4,437</b>	<b>10</b>
LMV-- 10	(A)	Serving				
		(i)	Class IV Employees	3,951	11,263	18
		(ii)	Class III Employees	3,898	11,087	14
		(iii)	Junior Engineers & Equivalent	457	1,393	2
		(iv)	Assistant Engineers & Equivalent	382	1,589	3
		(v)	Executive Engineers & Equivalent	139	622	1
		(vi)	Deputy General Manager & Equivalent	42	146	0
		(vii)	CGM/GM & Equivalent posts and above	24	75	0
	(B)	Total Pensioner & Family Pensioner		7,742	24,792	47
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>		<b>16,635</b>	<b>50,967</b>	<b>85</b>
HV--1	(A)	Urban Schedule				
		(i)	For supply at 11kV	437	1,13,124	255
		(ii)	For supply at 33 kV & above	19	11,749	40
	(B)	Rural Schedule				
		(i)	For supply at 11kV	-	-	1
		(ii)	For supply at 33 kV & above	-	-	-
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>		<b>456</b>	<b>1,24,873</b>	<b>296</b>
HV--2	(A)	Urban Schedule				
		(i)	For supply at 11kV	1,646	3,93,045	1,123
		(ii)	For supply above 11kV and upto & Including 66kV	95	1,71,198	674
		(iii)	For supply above 66kV and upto & Including 132kV	141	61,705	197
		(iv)	For supply above 132kV	1	31,500	218
	(B)	Rural Schedule				
		(i)	For supply at 11kV	324	72,614	36
		(ii)	For supply above 11kV and upto & Including 66kV	-	-	0
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>		<b>2,207</b>	<b>7,30,062</b>	<b>2,248</b>
HV--3	(A)	For supply at and above 132kV		6	93,750	135
	(B)	For supply below 132kV		2	22,050	80
	(C)	For Delhi Metro Rail		-	-	-
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>		<b>8</b>	<b>1,15,800</b>	<b>216</b>

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दाविडविनिडलियो, आगरा

SUPPLY TYPE	CATG	AGRA DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
HV--4	(A)	For supply at 11kV	36	20,921	131
	(B)	For supply above 11kV and upto 66kV	1	143	0
	(C)	For supply above 66kV and upto 132kV	1	9,350	11
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>38</b>	<b>30,414</b>	<b>143</b>
EXTRA STATE	(A)	EXTRA STATE & OTHERS	-	-	-
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>-</b>	<b>-</b>	<b>-</b>
BULK	(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>28,64,766</b>	<b>76,08,138</b>	<b>12,193</b>

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

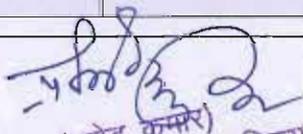
The estimated category-wise billing determinants for the FY 2014-15 is placed in the table below:

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

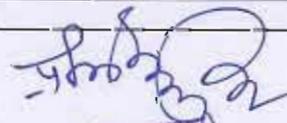
SUPPLY TYPE		AGRA DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	5,54,499	8,91,901	1,156
	(ii)	Metered	9,66,478	13,78,855	1,615
	(B)	Supply at Single Point for Bulk Load	106	49,255	187
	(C1)	Other Metered Domestic Consumers	9,90,669	18,05,286	2,012
	(C2)	Life Line Consumers/BPL	1,66,434	1,66,926	319
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>26,78,185</b>	<b>42,92,223</b>	<b>5,289</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	3,526	6,310	8
	(ii)	Metered	80,239	2,03,007	312

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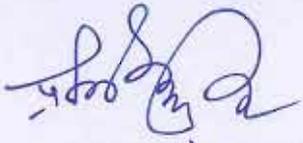
SUPPLY TYPE	AGRA DISCOM FY 2014-15		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	7,824	21,311	32
	(C)	Other Metered Non-Domestic Supply	1,64,428	4,16,095	543
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>		<b>2,56,016</b>	<b>6,46,724</b>	<b>895</b>
LMV-- 3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	439	4,297	15
	(ii)	Nagar Palika & Nagar Panchyat	920	9,160	40
	(iii)	Nagar Nigam	87	11,170	48
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	59	6,245	26
	(iii)	Nagar Nigam	54	2,408	11
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>		<b>1,559</b>	<b>33,281</b>	<b>140</b>
LMV-- 4	(A)	Public Institution(4 A)	19,396	89,119	280
	(B)	Private Institution(4 B)	4,917	37,174	92
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>		<b>24,313</b>	<b>1,26,293</b>	<b>372</b>
LMV-- 5	(A)	Rural Schedule			
	(i)	Un metered Supply	1,26,241	9,36,053	1,544
	(ii)	Metered Supply	5,514	40,593	135
	(B)	Urban Schedule			
	(i)	Metered Supply	66,861	5,02,753	1,168
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>		<b>1,98,615</b>	<b>14,79,399</b>	<b>2,847</b>
LMV-- 6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	5,756	40,343	72
	(ii)	Urban Schedule	4,031	34,384	52
	(B)	Small & Medium Power			
	(i)	Rural Schedule	6,463	41,250	73
	(ii)	Urban Schedule	34,709	3,29,052	484
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>50,959</b>	<b>4,45,029</b>	<b>680</b>
LMV-- 7	(A)	Rural Schedule			
	(i)	Jal Nigam	958	12,694	64
	(ii)	Jal Sansthan	920	9,451	44
	(iii)	Others (Water Works)	198	2,863	7
	(B)	Urban Schedule			

  
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SUPPLY TYPE		AGRA DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(i)	Jal Nigam	1,326	9,786	56
	(ii)	Jal Sansthan	856	32,193	107
	(iii)	Others (Water Works)	284	5,476	41
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>4,542</b>	<b>72,461</b>	<b>318</b>
<b>LMV-- 8</b>	<b>(A)</b>	Metered Supply	1,637	50,941	295
	<b>(B)</b>	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	5,074	99,820	325
	(ii)	Laghu Dal Nahar above 100 BHP	4	480	0
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>6,715</b>	<b>1,51,241</b>	<b>621</b>
<b>LMV-- 9</b>	<b>(A)</b>	Metered Supply			
	(i)	Individual Residential Consumers	1,274	2,989	13
	(ii)	Others	318	2,407	-
	<b>(B)</b>	Un-metered Supply			
	(i)	Ceremonies	24	86	0
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>1,616</b>	<b>5,482</b>	<b>13</b>
<b>LMV-- 10</b>	<b>(A)</b>	Serving			
	(i)	Class IV Employees	4,091	12,425	18
	(ii)	Class III Employees	4,639	13,599	17
	(iii)	Junior Engineers & Equivalent	503	1,532	2
	(iv)	Assistant Engineers & Equivalent	401	1,911	3
	(v)	Executive Engineers & Equivalent	153	684	1
	(vi)	Deputy General Manager & Equivalent	46	158	0
	(vii)	CGM/GM & Equivalent posts and above	24	77	0
	<b>(B)</b>	Total Pensioner & Family Pensioner	7,897	32,630	49
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>17,754</b>	<b>63,016</b>	<b>91</b>
<b>HV--1</b>	<b>(A)</b>	Urban Schedule			
	(i)	For supply at 11kV	468	1,21,043	281
	(ii)	For supply at 33 kV & above	20	12,101	45
	<b>(B)</b>	Rural Schedule			

  
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SUPPLY TYPE		AGRA DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(i)	For supply at 11kV	-	-	-
	(ii)	For supply at 33 kV & above	-	-	-
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>		<b>487</b>	<b>1,33,144</b>	<b>326</b>
HV--2	(A)	Urban Schedule			
	(i)	For supply at 11kV	1,811	4,32,350	1,235
	(ii)	For supply above 11kV and upto & Including 66kV	99	1,78,046	702
	(iii)	For supply above 66kV and upto & Including 132kV	155	67,876	221
	(iv)	For supply above 132kV	1	31,815	220
	(B)	Rural Schedule			
	(i)	For supply at 11kV	356	79,875	227
	(ii)	For supply above 11kV and upto & Including 66kV	-	-	-
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>		<b>2,422</b>	<b>7,89,961</b>	<b>2,605</b>
HV--3	(A)	For supply at and above 132kV	6	98,438	142
	(B)	For supply below 132kV	2	23,153	99
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>		<b>8</b>	<b>1,21,590</b>	<b>241</b>
HV--4	(A)	For supply at 11kV	38	21,967	138
	(B)	For supply above 11kV and upto 66kV	1	150	3
	(C)	For supply above 66kV and upto 132kV	1	9,350	15
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>		<b>40</b>	<b>31,467</b>	<b>156</b>
EXTRA STATE	(A)	EXTRA STATE & OTHERS	-	-	-
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>		<b>-</b>	<b>-</b>	<b>-</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>32,43,232</b>	<b>83,91,312</b>	<b>14,593</b>

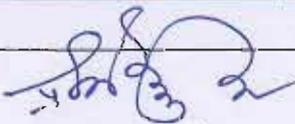
  
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## 6.5 PROJECTED BILLING DETERMINANTS FOR FY 2015-16

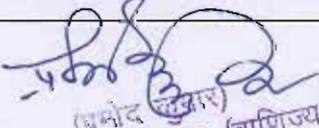
The projected category-wise billing determinants for the FY 2015-16 is placed in the table below:

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

SUPPLY TYPE		AGRA DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTE D BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	4,31,277	6,93,701	899
		(ii) Metered	25,48,443	36,35,814	4,554
	(B)	Supply at Single Point for Bulk Load	115	53,688	209
	(C1)	Other Metered Domestic Consumers	10,50,109	19,13,603	2,191
	(C2)	Life Line Consumers/BPL	1,74,756	1,75,272	345
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>42,04,700</b>	<b>64,72,078</b>	<b>8,198</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	3,737	6,689	9
		(ii) Metered	84,251	2,13,157	335
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	8,293	22,590	34
	(C)	Other Metered Non-Domestic Supply	1,72,649	4,36,900	587
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>2,68,931</b>	<b>6,79,336</b>	<b>964</b>
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	513	5,028	18
		(ii) Nagar Palika & Nagar Panchyat	929	9,251	40
		(iii) Nagar Nigam	101	12,846	55
	(B)	Metered Supply			
		(i) Gram Panchyat	-	-	-
		(ii) Nagar Palika & Nagar Panchyat	62	6,557	28
		(iii) Nagar Nigam	65	2,890	13
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>1,670</b>	<b>36,572</b>	<b>155</b>
LMV--4	(A)	Public Institution(4 A)	20,947	96,249	309
	(B)	Private Institution(4 B)	5,016	37,917	96
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>25,963</b>	<b>1,34,166</b>	<b>406</b>
LMV--5	(A)	Rural Schedule			
		(i) Un metered Supply	1,26,241	9,36,053	1,544
		(ii) Metered Supply	5,789	42,623	142
	(B)	Urban Schedule			
		(i) Metered Supply	70,872	5,32,918	1,238
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>2,02,902</b>	<b>15,11,594</b>	<b>2,924</b>
LMV--6	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	6,044	42,360	77

  
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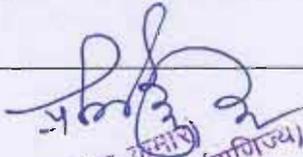
SUPPLY TYPE		AGRA DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTE D BILLED ENERGY (MU)
		(ii) Urban Schedule	4,232	36,104	56
	(B)	Small & Medium Power			
		(i) Rural Schedule	6,851	43,725	79
		(ii) Urban Schedule	36,444	3,45,504	521
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>53,571</b>	<b>4,67,693</b>	<b>733</b>
<b>LMV--7</b>	(A)	Rural Schedule			
		(i) Jal Nigam	1,102	14,598	74
		(ii) Jal Sansthan	1,030	10,585	49
		(iii) Others (Water Works)	222	3,206	7
	(B)	Urban Schedule			
		(i) Jal Nigam	1,458	10,764	62
		(ii) Jal Sansthan	925	34,768	115
		(iii) Others (Water Works)	295	5,695	42
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>5,032</b>	<b>79,616</b>	<b>349</b>
<b>LMV--8</b>	(A)	Metered Supply	1,719	53,488	310
	(B)	Un-metered Supply			
		(i) STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	5,226	1,02,815	335
		(ii) Laghu Dal Nahar above 100 BHP	4	480	0
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>6,949</b>	<b>1,56,783</b>	<b>645</b>
<b>LMV--9</b>	(A)	Metered Supply			
		(i) Individual Residential Consumers	1,465	3,437	15
		(ii) Others	382	2,889	-
	(B)	Un-metered Supply			
		(i) Ceremonies	25	90	1
		(ii) Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>1,872</b>	<b>6,416</b>	<b>16</b>
<b>LMV--10</b>	(A)	Serving			
		(i) Class IV Employees	4,236	12,865	19
		(ii) Class III Employees	5,520	16,183	21
		(iii) Junior Engineers & Equivalent	553	1,686	3
		(iv) Assistant Engineers & Equivalent	421	2,007	3
		(v) Executive Engineers & Equivalent	168	753	1
		(vi) Deputy General Manager & Equivalent	51	174	0
		(vii) CGM/GM & Equivalent posts and above	25	78	0
	(B)	Total Pensioner & Family Pensioner	8,055	33,282	51
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>19,029</b>	<b>67,028</b>	<b>99</b>
<b>HV--1</b>	(A)	Urban Schedule			

  
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SUPPLY TYPE		AGRA DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTE D BILLED ENERGY (MU)
		(i) For supply at 11kV	500	1,29,516	301
		(ii) For supply at 33 kV & above	20	12,465	46
	(B)	Rural Schedule			
		(i) For supply at 11kV	-	-	-
		(ii) For supply at 33 kV & above	-	-	-
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>520</b>	<b>1,41,980</b>	<b>347</b>
<b>HV--2</b>	(A)	Urban Schedule			
		(i) For supply at 11kV	1,992	4,75,584	1,359
		(ii) For supply above 11kV and upto & Including 66kV	103	1,85,168	730
		(iii) For supply above 66kV and upto & Including 132kV	171	74,663	243
		(iv) For supply above 132kV	1	32,133	222
	(B)	Rural Schedule			
		(i) For supply at 11kV	392	87,863	250
		(ii) For supply above 11kV and upto & Including 66kV	-	-	-
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>2,658</b>	<b>8,55,411</b>	<b>2,804</b>
<b>HV--3</b>	(A)	For supply at and above 132kV	7	1,03,359	149
	(B)	For supply below 132kV	2	24,310	104
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>9</b>	<b>1,27,670</b>	<b>253</b>
<b>HV--4</b>	(A)	For supply at 11kV	40	23,065	145
	(B)	For supply above 11kV and upto 66kV	1	158	3
	(C)	For supply above 66kV and upto 132kV	1	9,350	15
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>42</b>	<b>32,573</b>	<b>163</b>
<b>EXTRA STATE</b>	(A)	EXTRA STATE & OTHERS	-	-	-
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>-</b>	<b>-</b>	<b>-</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>47,93,848</b>	<b>1,07,68,916</b>	<b>18,055</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.

  
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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:

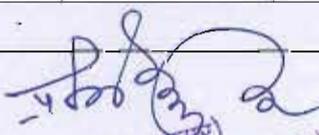
- Target set for release of approximately 30 lakhs new connections per year.
- Web enabled online billing system based on cloud computing to be put in place by June 2015.
- Payment facility for all consumers through web enabled system with the help of franchisees and government agencies.
- With web-enabled 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

  
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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 33.81%. The Petitioner estimates its Distribution losses at 33.13% for FY 2014-15. In the ensuing year FY 2015-16, the Petitioner has projected a Distribution loss of 32.47%. 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	18,420.95	21,823.25	26,633.00
Line Losses	MU	5,270.04	7,230.70	8,647.83
Sales	MU	12,192.98	14,592.56	17,985.18
T&D Losses	%	33.81%	33.13%	32.47%

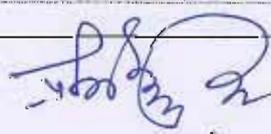
  
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## 6.9 ESTIMATED REVENUE ASSESSMENT FOR FY 2014-15

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

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

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	<b>1,940.33</b>	<b>5,361.05</b>	<b>3.62</b>
(a) Consumer getting supply as per "Rural Schedule"	576.37	2,843.22	2.03
(b) Supply at Single Point for Bulk Loads	102.20	186.79	5.47
(c) Other Metered Domestic Consumers	1,179.42	2,011.76	5.86
(d) Life Line Consumers	82.33	319.28	2.58
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>612.83</b>	<b>894.63</b>	<b>6.85</b>
(a) Non-Domestic (Rural)	103.03	319.69	3.22
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	44.29	31.63	14.00
(c) Non-Domestic (Urban Metered)	465.51	543.30	8.57
<b>LMV-3: Public Lamps</b>	<b>87.43</b>	<b>139.92</b>	<b>6.25</b>
<b>LMV-4: Institutions</b>	<b>277.06</b>	<b>371.61</b>	<b>7.46</b>
(a) Public Institution	205.06	279.74	7.33
(b) Private Institution	72.00	91.87	7.84
<b>LMV-5: Private Tube Wells</b>	<b>744.48</b>	<b>2,847.49</b>	<b>2.61</b>
(a) Rural	127.30	1,679.48	0.76
(b) Urban	617.18	1,168.01	5.28
<b>LMV 6: Small and Medium Power</b>	<b>544.13</b>	<b>679.94</b>	<b>8.00</b>
<b>LMV-7: Public Water Works</b>	<b>229.80</b>	<b>317.87</b>	<b>7.23</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>385.96</b>	<b>620.56</b>	<b>6.22</b>
<b>LMV-9: Temporary Supply</b>	<b>15.06</b>	<b>13.13</b>	<b>11.47</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>16.98</b>	<b>90.70</b>	<b>1.87</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>263.53</b>	<b>325.84</b>	<b>8.09</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>1,735.79</b>	<b>2,533.05</b>	<b>6.85</b>
<b>HV-3: Railway Traction</b>	<b>189.21</b>	<b>241.13</b>	<b>7.85</b>
<b>HV-4: Lift Irrigation Works</b>	<b>109.57</b>	<b>155.65</b>	<b>7.04</b>
<b>Sub Total</b>	<b>7,152.17</b>	<b>14,592.56</b>	<b>4.90</b>
Bulk & Extra State	-	-	-

  
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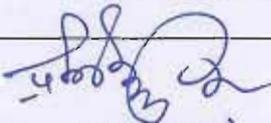
Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
Total	7,152.17	14,592.56	4.90

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

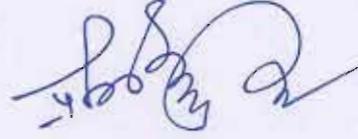
The table below presents the projected revenue assessment for FY 2015-16 on current tariff based Tariff Order for FY 2014-15 dated 1st October, 2014.

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

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	2,969.97	8,128.20	3.65
(a) Consumer getting supply as per "Rural Schedule"	1,479.78	5,382.69	2.75
(b) Supply at Single Point for Bulk Loads	114.47	209.46	5.47
(c) Other Metered Domestic Consumers	1,286.65	2,190.75	5.87
(d) Life Line Consumers	89.07	345.31	2.58
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	662.06	964.42	6.86
(a) Non-Domestic (Rural)	110.32	343.45	3.21
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	48.09	34.35	14.00
(c) Non-Domestic (Urban Metered)	503.65	586.62	8.59
<b>LMV-3: Public Lamps</b>	96.97	154.65	6.27
<b>LMV-4: Institutions</b>	301.38	405.57	7.43
(a) Public Institution	226.31	309.49	7.31
(b) Private Institution	75.07	96.08	7.81
<b>LMV-5: Private Tube Wells</b>	782.26	2,924.33	2.68
(a) Rural	128.05	1,686.24	0.76
(b) Urban	654.22	1,238.09	5.28
<b>LMV 6: Small and Medium Power</b>	586.39	733.01	8.00
<b>LMV-7: Public Water Works</b>	252.27	349.28	7.22
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	401.63	645.07	6.23
<b>LMV-9: Temporary Supply</b>	17.97	15.55	11.56
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	18.38	98.54	1.87
<b>HV-1: Non-Industrial Bulk Load</b>	280.65	346.87	8.09

  
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HV-2: Large & Heavy Power	1,916.70	2,803.83	6.84
HV-3: Railway Traction	198.67	253.19	7.85
HV-4: Lift Irrigation Works	114.47	162.68	7.04
Sub Total	8,599.77	17,985.18	4.78
Bulk & Extra State	-	-	-
Total	8,599.77	17,985.18	4.78



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## 7. ARR FOR WHEELING & RETAIL SUPPLY BUSINESS

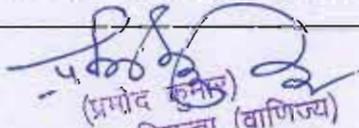
The Hon'ble Commission has issued Distribution Tariff Regulations, which require that the Distribution Licensee shall file Aggregate Revenue Requirement (ARR) complete in all respect along with requisite fees as prescribed by the Commission. The ARR Petition shall contain details of estimated expenditure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

### COMPONENTS OF ANNUAL REVENUE REQUIREMENT

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

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

The Petitioner in the current petition is filing the ARR for FY 2015-16 for the kind approval by the Hon'ble Commission. In estimating the ARR, the main objective of the Petitioner is to reduce or at least contain the expenses to the extent possible thereby reducing the cost burden on the consumers. The Hon'ble Commission issued the true up order for FY 2011-12 and ARR & Tariff order for FY 2014-15 on 01st October, 2014 in which it adopted a normative approach towards

  
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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.

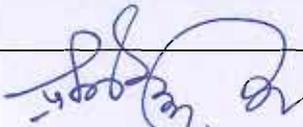
## 7.1 ESCALATION INDEX / INFLATION RATE

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:

Inflation Rate=0.6\*Inflation based on WPI + 0.4\*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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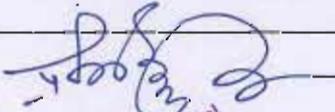
  
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	FY 13	FY 14	FY 13	FY 14	FY 13	FY 14
April	164	171	205	226	180	193
May	164	171	206	228	181	194
June	165	173	208	231	182	196
July	166	176	212	235	184	199
August	167	179	214	237	186	202
September	169	181	215	238	187	204
October	169	181	217	241	188	205
November	169	182	218	243	188	206
December	169	180	219	239	189	203
January	170	179	221	237	191	202
February	170	180	223	238	191	203
March	171	180	224	239	192	204
<b>Average</b>	<b>168</b>	<b>178</b>	<b>215</b>	<b>236</b>	<b>186.63</b>	<b>200.99</b>
Hike over Sept 13					Calculation of Inflation Index (CPI- 40%, WPI-60%)	
<b>Weighted Average of Inflation</b>						<b>7.69%</b>

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

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

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

  
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Inflation

WPI-<http://eaindustry.nic.in>

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

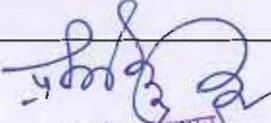
## 7.2 POWER PURCHASE COSTS

The Distribution Tariff Regulations provides that the distribution licensee shall have flexibility of procuring power from any source in the country. However it shall procure power on least cost basis and as per merit order principle. A two-part tariff structure shall be adopted for all long term contracts to facilitate merit order dispatch. The cost of energy available from State Generating Stations shall be assessed as per tariffs approved by the Commission and that of energy from central sector stations shall be taken as per tariffs approved by Hon'ble Central Electricity Regulatory Commission. The cost of energy from other sources shall be assessed as per the power purchase/banking/trading agreements and tariffs approved by the Hon'ble Commission. The cost of power purchase from Independent Power Producers (IPPs) within the State shall be as per the tariffs determined in accordance with UPERC (Terms and Conditions of Generation Tariff) Regulations. Similarly the cost of power purchase from IPPs outside the State shall be as per the tariffs and power purchase agreement approved by the Hon'ble Commission. Accordingly, the Petitioner has estimated power purchase cost for FY 2014-15 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 2011-12
- Provisional power purchase cost and units for FY 2012-13
- 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.

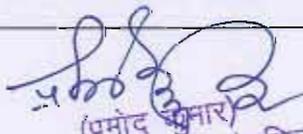
  
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Summary of energy balances projected and corresponding purchased power details for FY 2013-14 and FY 2014-15 are shown in the tables below:

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

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

  
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Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost (Rs. / kWh)
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Sasan	495	2,081	0.17	36	1.22	254	1.39	289	1.39
Teesta St-III									
Karcham-Wangtoo	200	158	-	-	3.77	59	3.77	59	3.77
VISHNUPRAYAG	352	1,623	0.97	158	1.32	214	2.29	372	2.29
TEHRI STAGE-I	419	1,811	1.81	327	2.43	441	4.24	768	4.24
Rosa Power Project	600	4,066	1.63	663	4.08	1,659	5.71	2,322	5.71
Rosa Power Project	600	4,066	1.63	663	4.08	1,659	5.71	2,322	5.71
Bara									
Anpara 'C'	1,100	7,015	1.14	801	2.55	1,792	3.70	2,593	3.70
IGSTPP, 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

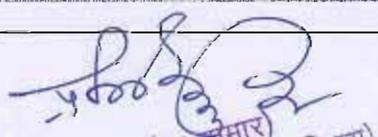
Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost (Rs. / kWh)
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
<b>Procurement of power from State Sector Generating Stations</b>									
<b>Thermal Stations</b>									
Anpara A	630	3,848	0.63	241	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

  
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Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost (Rs. / kWh)
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Parichha	220	323	0.98	32	3.91	126	4.89	158	4.89
Parichha Extn.	420	2,512	1.28	322	3.33	837	4.61	1,159	4.61
Parichha Extn. Stage II	500	3,308	1.81	597	3.23	1,067	5.03	1,665	5.03
Harduaganj Ext.	500	3,158	1.95	615	3.44	1,086	5.38	1,700	5.38
Anpara D	1,000	2,916	1.18	344	1.79	521	2.96	864	2.96
<b>Sub total - Thermal</b>	<b>5933</b>	<b>28482</b>		<b>3324</b>		<b>7291</b>		<b>10615</b>	<b>3.73</b>
<b>Per unit Avg Rate of Thermal Generation</b>								<b>3.73</b>	
<b>Hydro Stations</b>									
Khara	58	151	0.78	12			0.78	12	0.78
Matatila	20	53	0.70	4			0.70	4	0.70
Obra (Hydel)	99	260	0.68	18			0.68	18	0.68
Rihand	255	670	0.60	40			0.60	40	0.60
UGC Power Stations	14	36	2.31	8			2.31	8	2.31
Belka & Babail	6	16	2.44	4			2.44	4	2.44
Sheetla	4	9	2.96	3			2.96	3	2.96
<b>Sub total - Hydro</b>	<b>455</b>	<b>1195</b>		<b>88.17</b>		<b>0.00</b>		<b>88.17</b>	<b>0.74</b>
<b>Purchase Per unit Avg Rate from hydro generating stations</b>								<b>0.74</b>	
<b>Sub-Total Own generation</b>	<b>6388</b>	<b>29678</b>		<b>3,412.25</b>		<b>7,291.02</b>		<b>10,703.27</b>	<b>3.61</b>
<b>Procurement of power from Central Sector Generating Stations</b>									
Anta	119	813	0.74	60	3.26	265	3.99	325	3.99
Auriya	244	1,640	0.56	91	4.36	715	4.92	806	4.92
Dadri Thermal	84	613	0.86	53	4.15	254	5.00	307	5.00
Dadri Gas	272	1,925	0.57	110	4.17	802	4.74	912	4.74
Dadri Extension	150	1,097	1.62	177	3.92	430	5.54	608	5.54
Rihand-I	373	2,661	0.82	217	1.76	468	2.57	685	2.57
Rihand-II	348	2,478	0.95	235	1.79	444	2.74	678	2.74
Singrauli	849	6,151	0.54	333	1.32	809	1.86	1,142	1.86
Tanda	440	3,136	1.05	331	3.52	1,105	4.58	1,436	4.58
Unchahar-I	258	1,927	0.87	167	2.91	561	3.78	728	3.78
Unchahar-II	153	1,145	0.90	103	2.86	327	3.76	430	3.76
Unchahar-III	75	560	1.37	77	2.86	160	4.23	237	4.23
Farakka	33	217	0.86	19	3.65	79	4.50	98	4.50
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

  
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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)
<b>Sub-Total NTPC</b>	<b>4197</b>	<b>29724</b>		<b>2653</b>		<b>7554</b>		<b>10208</b>	<b>3.43</b>
Chamera	109	336	0.60	20	1.07	36	1.67	56	1.67
Chamera-II	86	393	1.36	53	1.70	67	3.06	120	3.06
Chamera-III	62	283	2.00	57	2.20	62	4.20	119	4.20
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.85	29	2.85
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	25	111	4.98	55	1.75	19	6.73	75	6.73
Parbati ST-III	104	383	1.41	54	3.18	122	4.59	176	4.59
<b>Sub-Total NHPC</b>	<b>774</b>	<b>3292</b>		<b>527.01</b>		<b>601.79</b>		<b>1,128.80</b>	<b>3.43</b>
NAPP	167	937	-	-	2.79	262	2.79	262	2.79
RAPP #3&4	80	604	-	-	3.12	189	3.12	189	3.12
RAPP#5&6	115	802	-	-	3.86	310	3.86	310	3.86
<b>Sub-Total NPCIL</b>	<b>362</b>	<b>2343</b>				<b>760.01</b>		<b>760.01</b>	<b>3.24</b>
NATHPA JHAKRI HPS	288	1,387	1.60	222	1.46	203	3.06	425	3.06
TALA POWER	45	181	-	-	2.47	45	2.47	45	2.47
Koteshwar	173	570	2.02	115	2.20	125	4.22	240	4.22
Srinagar	290	519	3.02	157	-	-	3.02	157	3.02
Sasan	495	2,081	0.18	37	1.29	269	1.47	306	1.47
Teesta St-III									
Karcham-Wangtoo	200	158	-	-	4.00	63	4.00	63	4.00
VISHNUPRAYAG	352	1,623	1.01	164	1.40	227	2.41	391	2.41
TEHRI STAGE-I	419	1,811	1.88	340	2.58	467	4.46	808	4.46
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Bara	1,188	1,115	-	-	3.20	357	3.20	357	3.20
Anpara 'C'	1,100	7,015	1.19	834	2.71	1,900	3.90	2,733	3.90
IGSTPP, Jhajhjar	51	358	1.61	58	4.39	157	6.00	215	6.00
Bajaj Hindusthan	450	2,982	2.25	671	4.71	1,404	6.96	2,075	6.96
Lalitpur	1,782	8,022	1.40	1,123	1.98	1,588	3.38	2,711	3.38
<b>Sub-Total IPP/JV</b>	<b>8032</b>	<b>35953</b>		<b>5100</b>		<b>10322</b>		<b>15423</b>	<b>4.28966</b>
Captive and Cogen	-	2,865	-	-	4.90	1,403	4.90	1,403	4.90
Inter system exchange (Bilateral & PXIL, IEX) /	-	4,416	-	-	5.04	2,224	5.04	2,224	5.04

  
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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)
UI									
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>
<b>Grand Total of Power Purchase</b>	<b>19753</b>	<b>108707</b>		<b>11,692.71</b>		<b>30,360.9</b>		<b>42,053.61</b>	<b>3.87</b>

As can be seen from table above power purchase cost is projected to be Rs. 42,053.61 crore in FY 2015-16. The inter-state transmission charges (PGCIL) are envisaged to be Rs. 2,727.71 crore. Thus, the total power procurement cost including PGCIL charges are projected to be Rs. 44,781.32 crore at overall UPPCL level.

#### Power Procurement Cost from UPPCL by DisCom:

The Distribution Tariff Regulations state that the total power purchase cost for distribution licensee's requirement shall be estimated on the basis of merit order principle. Presently UPPCL is carrying out the function of power procurement for bulk supply to DisComs. UPPCL purchases power from various generators i.e. central & state generating stations, IPPs, etc and supplies to various DisComs of the state at the bulk supply rate notified by the Hon'ble Commission as GOUP has yet not allocated individual PPAs to State DisComs. As a result cost of power purchase for the distribution companies from UPPCL would be uniform (bulk supply tariff -BST). Hence BST has been determined under the principle that all DisComs would have paid the same average price in FY 2015-16. The derivation of the bulk supply tariff is depicted in the table below:

**Table 7-5: Computation of the Bulk Supply Tariff**

Particulars	Derivation	2014-15	2015-16
Purchases Required & Billed Energy (MU)	A	96,669.34	1,08,707.15
Periphery Loss (Up to inter connection Point) (%)	B	1.65%	1.65%
Energy Available at State periphery for Transmission (MU)	C=A* (1-B)	95,074.30	1,06,913.48
Intra -State Transmission losses %	D	3.61%	3.59%
Energy Input into Transmission-Distribution Interface (MU)	E=C* (1-D)	91,643.79	1,03,076.12
Power Purchase Cost (Rs. Crore)	F	36,200.27	42,053.61
PGCIL Inter-State transmission charges (Rs. Crore)	G	2,307	2,728
Total Power Procurement Cost (Rs. Crore)	H=F+G	38,507.51	44,781.32
<b>Bulk Supply Tariff (Rs./Unit)</b>	<b>I= (H/E)*10</b>	<b>4.20</b>	<b>4.34</b>

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

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

Particulars	Derivation	FY 2014-15	FY 2015-16
Energy Sales (MU)	A	14,593	17,985
Distribution Loss (%)	B	33.13%	32.47%
Distribution Loss (MU)	$C = A/(1-B)-A$	7,231	8,648
Power Purchase Required (MU)	$D=A+C$	21,823	26,633
Bulk Power Purchase Rate (Rs/kWh)	E	4.20	4.34
Power Purchase Cost (Rs Crore)	$F=D \times E/10$	9,170	11,571

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

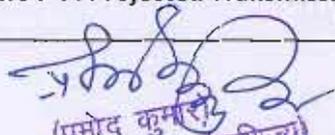
### 7.3 TRANSMISSION CHARGES

The interstate transmission charges payable by the UPPCL to PGCIL has been projected to be Rs. 2,727.71 crore in the ensuing year. The PGCIL charges consequent to inter-state transmission is being levied on energy procured from NTPC, NPCIL, NHPC, SJVNL, Tehri, TALA and others. These charges have been incorporated in Power Procurement Cost. The petitioner submits that while considering power procurement to meet the State's requirement, losses external to its system i.e., in the Northern Region PGCIL system need to be accounted for. The availability of power for the Petitioner (i.e. at UPPCL system boundary) from these sources gets reduced to the extent of these losses and the Petitioner has accordingly incorporated them while drawing up the energy balance and merit order dispatch for meeting the State requirement.

The intra state transmission charges for current year and ensuing year payable by Petitioner are on the basis of actual energy received & uniform charges are to be paid by all the Distribution Licensees proportionate to the energy delivered to them. The Transmission licensee is also performing the function of SLDC as such SLDC cost is embedded in the transmission charges. The projections of transmission charges have been traced from the ARR/Tariff Petition filed by U.P. Power Transmission Corporation Ltd (UPPTCL) for the FY 2015-16 filed before the Hon'ble Commission.

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**

  
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Particulars		FY 2014-15	FY 2015-16
Energy Procured (MU)	A	21,823	26,633
Transmission Tariff (Rs/kWh)	B	0.179	0.196
Transmission Cost (Rs Crore)	$C=A \times B / 10$	389.96	523.00

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.

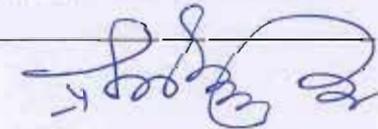
#### 7.4 OPERATION & MAINTENANCE EXPENSES

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).."



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The Hon'ble Commission in its previous true-up orders had determined the O&M expenses for the base year and subsequently in the order dated 01st October 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)

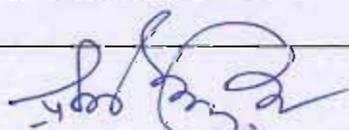
Incremental O&M Expenses @ 2.5% of capital additions during the (n-1)th year	FY 2014-15	FY 2015-16
Capitalized Assets in (n-1)th year	196.58	1051.47
Incremental O&M Expenses	4.91	31.40
(a) Employee Costs	2.09	13.37
(b) A&G Expenses	0.64	4.39
(c) R&M Expenses	2.18	13.65

#### 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 2011-12 by using the yearly inflation indices approved by the Hon'ble Commission up to FY 2014-15 in its Tariff Order dated 1<sup>st</sup> October, 2014 and at the rate of 4.10% for FY 2015-16 as computed in Section titled 'Escalation / Inflation Index' above.

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

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

  
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 दण्डिवाविनिर्वालि, आगरा

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
<b>Employee Expenses</b>			
Gross Employee Costs and Provisions	254.12	292.10	304.07
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	2.09	13.37
<b>Gross Employee Expenses</b>	<b>254.12</b>	<b>294.20</b>	<b>317.44</b>
Employee expenses capitalized	91.50	44.13	47.62
<b>Net Employee Expenses</b>	<b>162.62</b>	<b>250.07</b>	<b>269.83</b>
<b>A&amp;G Expenses</b>			
Gross A&G Expenses	72.25	88.20	91.82
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	2.18	13.65
<b>Gross A&amp;G Expenses</b>	<b>72.25</b>	<b>90.38</b>	<b>105.46</b>
A&G expenses capitalized	25.58	13.56	15.82
<b>Net A&amp;G Expenses</b>	<b>46.68</b>	<b>76.82</b>	<b>89.64</b>
<b>R&amp;M Expenses</b>			
Repair & Maintenance Expenditure	302.15	305.79	318.32
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	0.64	4.39
<b>Gross Repair &amp; Maintenance Expenses</b>	<b>302.15</b>	<b>306.43</b>	<b>322.71</b>
<b>Total O&amp;M Expenses Allowable as per Regulations</b>	<b>511.45</b>	<b>633.33</b>	<b>682.18</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.

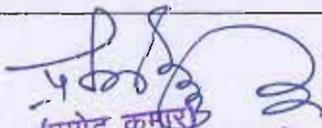
The details of the proposed capital investment for FY 2015-16 are provided in the table below:

Table 7-10: Capital Investment Plan for FY 2015-16 (Rs Crore)

S.No.	Description	Unit	No./ Quantity	Capital Expenditure			
				Loans	Equity / Internal Accruals	Deposit Works	Total

  
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S.No.	Description	Unit	No./ Quantity	Capital Expenditure			Total
				Loans	Equity / Internal Accruals	Deposit Works	
1	<b>33 KV New Work</b>						
	(a) 33 KV Line	Km.	1514	89.66	38.43		128.09
	(b) 33/11 KV S/s (Excluding civil works)	Nos./MVA	17/85	274.25	117.53		391.78
2	33/11 KV Increasing Capacity	Nos./MVA	33/165	53.24	22.82		76.05
3	33 KV line & S/s Strengthening (Replacement of higher capacity of conductor, poles, S/s apparatus etc.)	Km.	36	5.81	2.49		8.30
4	11 KV New Works		-				0.00
	(a) 11 KV New line (Vifercatin of feeders, linkline etc.)	Km.	673	65.14	27.92		93.06
	(b) 11/0.4 KV S/s						0.00
	(i) 11/0.4 KV S/s	Nos./KVA	404	26.07	11.17		37.24
	(ii) 11/0.4 KV S/s (SC Dominated)	Nos./KVA	100	6.45	2.77		9.22
5	11/0.4 KV S/s increasing capacity						0.00
	(i) 11/0.4 KV S/s increasing capacity	Nos./KVA	404	13.03	5.59		18.62
	(ii) 11/0.4 KV S/s increasing capacity (SC Dominated)	Nos./KVA	100	3.23	1.38		4.61
6	Strengthening of 11 KV line & 11/0.4 KV S/s etc.						
	(i) Strengthening of 11 KV line & 11/0.4 KV S/s etc.	Nos./Km	266/199	21.46	9.20		30.65
	(ii) Strengthening of 11 KV line & 11/0.4 KV S/s etc. (SC Dominated)	Nos./Km	100/133	8.07	3.46		11.52
7	Saparation of Villages from P.T.W., S.T.W. etc. (Saparation of feeders) against Sanction scheme 1500 crore out of which 40% work will be proposed to be completed in this year.	-	-				0.00
8	Replace of old & damage of 11 KV capacitors & other pertaining equipment 50%	Nos.	270	26.13	11.20		37.33
9	Providing new 11 KV capacitors 10% of S/s	Nos.	45	5.81	2.49		8.30
10	Construction of new L.T. line						
	(i) Construction of new L.T. line	Km.	450	36.30	15.56		51.85
	(ii) Construction of new L.T. line (SC Dominated)	Km.	133	10.74	4.60		15.35

  
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S.No.	Description	Unit	No./ Quantity	Capital Expenditure			
				Loans	Equity / Internal Accruals	Deposit Works	Total
11	Strengthening of L.T. line (Replacing of damage conductor/pole jarjer replacement of higher capacity of conductor broken pole/wooden pole, Additional pole in long span & other access etc.	Km.	798	25.75	11.03		36.78
12	Replacement of damage/very old OCB/VCB and other equipments as well as by high capacity.	Nos.	53	8.55	3.66		12.21
13	Construction - major workshop. Including civil work	Nos.	2	6.45	2.77		9.22
14	Strengthening of working workshop, store, other T&P etc. Including civil works	Nos.	10	23.65	10.14		33.79
15	Arrange of stair mounted (Hydraulic vehicle & Jeeps)	Nos.	30	11.62	4.98		16.59
16	Non Residential & Residential new work.	Nos.	-	10.74	4.60		15.35
17	Strengthening/Maintenance of Non Residential & Residential building/S/s etc.	No.	-	13.33	5.71		19.04
18	Improvement of billing of R/L areas		-	7.52	3.22		10.74
19	Reduction of commercial losses, providing pilfer proof metering against all category consumers.		-	3.68	1.58		5.25
20	Providing of double meter in all category with modem	Nos.	-	10.74	4.60		15.35
21	Providing Electronic meter at S.T.W. consumers 10% in this year.	Nos.	400	0.77	0.33		1.11
22	Arrangement of prepaid meter (1- Æ & 3-Æ)	Nos.	-	4.29	1.84		6.13
23	Any other works which fall under network strengthening of Transformer repairing workshop and manufacturing of PCC Pole at different units.						0.00
	(a) Repairing of Transformers		4667	9.03	3.87		12.91
	(b) PCC Pole manufacturing.	Nos.	43222	25.10	10.76		35.86
24	Capital Investment through Support under Vyapar Vikas Nidhi			322.64	138.28		460.92
25	R-APDRP Part A			36.33	15.57		51.90

  
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S.No.	Description	Unit	No./ Quantity	Capital Expenditure			
				Loans	Equity / Internal Accruals	Deposit Works	Total
26	R-APDRP Part B			168.38	72.16		240.54
27	Deposit Works					336.29	336.29
	<b>Total</b>			<b>1333.95</b>	<b>571.69</b>	<b>336.29</b>	<b>2241.94</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.

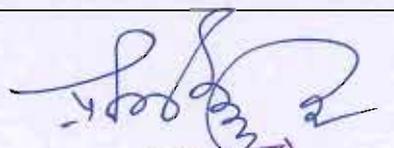
The assumptions used for projecting GFA and CWIP are as follows:

- 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. 1,675.18 crore out of which works through deposit works have been envisaged at Rs. 251.28 crore.
- The Petitioner envisages a capital investment of Rs. 2,241.94 crore in FY 2015-16 out of which works through deposit works have been envisaged at Rs. 336.29 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	839.43	1,577.20
Investments	B	1,675.18	2,241.94
Employee Expenses Capitalisation	C	44.13	47.62
A&G Expenses Capitalisation	D	13.56	15.82

  
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Particulars	Derivation	FY 2014-15 Revised Estimates	FY 2015-16 ARR
Interest Capitalisation on Interest on long term loans	E	56.38	79.43
<b>Total Investments</b>	<b>F= A+B+C+D+E</b>	<b>2,628.67</b>	<b>3,962.01</b>
Transferred to GFA (Total Capitalisation)	G=F*40%	1,051.47	1,584.80
<b>Closing WIP</b>	<b>H= F-G</b>	<b>1,577.20</b>	<b>2,377.21</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 FY 2014-15 &amp; FY 2015-16

(All figures in Rs Crore)

Particulars	Derivation	FY 2014-15 Revised Estimates	FY 2015-16 ARR
Opening GFA	A	4,809.21	5,860.68
Additional to GFA during the year	B	1,051.47	1,584.80
<b>Closing GFA</b>	<b>C=A+B</b>	<b>5,860.68</b>	<b>7,445.49</b>

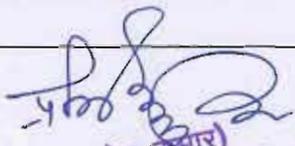
## 7.7 FINANCING OF THE CAPITAL INVESTMENT

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 &amp; Subsidies up to 2015-16 (Rs Crore)

  
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Particulars	2013-14	2014-15	2015-16
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	950.73	1,126.46	1,279.82
Additions during the year	226.75	251.28	336.29
Less: Amortisation	51.02	97.92	122.11
<b>Closing Balance</b>	<b>1,126.46</b>	<b>1,279.82</b>	<b>1,494.00</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	835.51	1,675.18	2,241.94
Less:		-	-	-
Consumer Contribution	B	226.75	251.28	336.29
Investment funded by debt and equity	C=A-B	608.76	1,423.90	1,905.65
Debt Funded	70%	426.13	996.73	1,333.95
Equity Funded	30%	182.63	427.17	571.69

Thus, the Petitioner submits that out of the capital investment of Rs. 2,241.94 crore in FY 2015-16, the capital investment through deposit works would be to the tune of Rs. 336.29 crore. Balance Rs. 1,905.65 crore has been considered to be funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 1,333.95 crore or 70% of the capital investment is proposed to be funded through debt and balance 30% equivalent to Rs. 571.69 crore through equity.

## 7.8 DEPRECIATION EXPENSE

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

"4.9 Depreciation:

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

Thus the Distribution Tariff Regulations provide for allowing -

- full year depreciation on the opening balance of GFA

  
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- 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. 521.60 crore in FY 2015-16 as depicted in the table below:

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

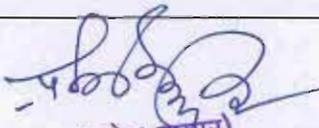
Particulars	Derivation	FY 2014-15 Revised Estimates	FY 2015-16 ARR
Depreciation Rate	A	7.84%	7.84%
Opening GFA	B	4,809.21	5,860.68
Additional to GFA during the year	C	1,051.47	1,584.80
Depreciation on Opening GFA + Additions during the year	$D=(A*B)+(C*A/2)$	418.26	521.60

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. 97.92 crore and Rs. 122.11 crore in FY 2014-15 and 2015-16 respectively in respect of depreciation on assets created out of consumer contributions, capital grants and subsidies.

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

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

Particulars	FY 2014-15	FY 2015-16
<b>Gross Allowable Depreciation</b>	418.23	521.60
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	97.92	122.11
<b>Net Allowable Depreciation</b>	<b>320.32</b>	<b>399.46</b>

  
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## 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.

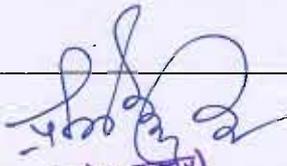
The computations for interest on long term loan are depicted below:

**Table 7-17: Allowable Interest on Long Term Loans for FY 2015-16 (Rs Crore)**

Particulars	2014-15	2015-16
Opening Loan	1,631.53	2,307.95
Loan Additions (70% of Investments)	996.73	1,333.95
Less: Repayments (Depreciation allowable for the year)	320.32	399.46
Closing Loan Balance	2,307.95	3,242.44
Weighted Average Rate of Interest	12.44%	12.44%
<b>Interest on long term loan</b>	<b>245.11</b>	<b>345.34</b>
Interest Capitalisation Rate	23.00%	23.00%
Less: Interest Capitalized	56.38	79.43
<b>Net Interest Charged</b>	<b>188.74</b>	<b>265.91</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. 0.19 crore and Rs. 0.20 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.

  
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### 7.11 INTEREST ON CONSUMER SECURITY DEPOSITS

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

Accordingly the interest to consumers on the security deposits has been computed on the Opening Balance of the Security Deposits at the beginning of the year at the bank rate of 9% for FY 2014-15 and 9.00% for FY 2015-16. However, the same shall be trued up based on audited accounts. The opening balances of security deposits have been considered as per closing figures of provisional accounts for FY 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)**

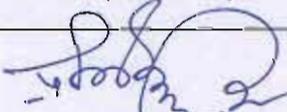
Particulars	FY 2014-15	FY 2015-16
Opening Balance for Security Deposit	350.11	386.15
Additions during the year	36.04	109.41
<b>Closing Balance for Security Deposit</b>	<b>386.15</b>	<b>495.57</b>
Rate of Interest	9.00%	9.00%
<b>Interest Paid / Payable on Security Deposits</b>	<b>33.13</b>	<b>39.68</b>

### 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

  
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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)**

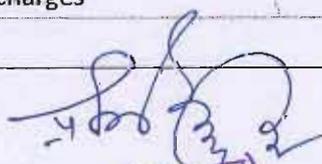
Particulars	FY 2014-15	FY 2015-16
	Revised Estimates	ARR
One month's O & M Expenses	57.58	62.13
One-twelfth of the sum of the book value of stores, materials and supplies at the end of each month of such financial year	11.63	15.57
Receivables equivalent to 60 days average billing of Beneficiaries	1,175.70	1,413.66
<b>Gross Total</b>	<b>1,244.92</b>	<b>1,491.36</b>
Security Deposits by the beneficiaries	386.15	495.57
Net Working Capital	858.76	995.80
Rate of Interest for Working Capital	12.50%	12.50%
<b>Interest on Working Capital</b>	<b>107.35</b>	<b>124.47</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	201.12	345.34
Interest on Working Capital Loans	104.99	124.47
<b>Sub Total</b>	<b>306.11</b>	<b>469.82</b>
Interest on Consumer Security Deposits	29.41	39.68
Bank Charges	0.47	0.20
Discount to Consumers		-
<b>Sub Total</b>	<b>29.88</b>	<b>39.88</b>
<b>Gross Total Interest &amp; Finance Charges</b>	<b>335.99</b>	<b>509.70</b>

  
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Particulars	FY 2014-15 (Revised Estimates)	FY 2015-16 (ARR)
Less: Capitalization of interest on Long term Loans	46.26	79.43
Interest Capitalization Rate (%)	23.00%	23.00%
<b>Net Interest &amp; Finance Charges</b>	<b>289.73</b>	<b>430.27</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	7,152.17	8,599.77
Percentage of Debt allowed	2.00%	2.00%
Provision for Bad Debts	143.04	172.00

#### 7.15 OTHER INCOME

Other income includes non tariff income such as interest on loans and advances to employees, income from fixed rate investment deposits, interest on loans and advances to licensees and other miscellaneous income from retail sources. Summary of other income is given below beginning with figure from provisional estimates of FY 2014-15. The amount for FY 2014-15 and 2015-16 has been projected to grow at the rate of inflation index from the actuals of FY 2013-14.

  
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Table 7-22: Other Income (Rs Crore)

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
Interest on Loans to staff	0.00	0.00	0.00
Interest on Fixed Deposit	4.04	4.35	4.53
Banks(other than FD)	3.68	3.97	4.13
Income from Contractor & Suppliers	7.49	8.07	8.40
Rental from Staff	0.09	0.10	0.10
Miscellaneous Receipts	3.02	3.25	3.38
<b>Total</b>	<b>18.32</b>	<b>19.73</b>	<b>20.54</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%.

  
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- 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.

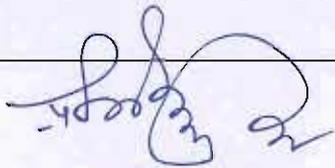
The Petitioner submits that as there is a big revenue gap between ARR and revenue forecast ,as such this component will only enhance the Gap and create extra burden on the consumers so for the present ARR, the Petitioner is not claiming any allowance under Reserve for Contingency Reserve.

#### 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. 40.39 crore and Rs. 45.63 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

  
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other distribution companies through an internal adjustment without any impact on the ARR of the Petitioner.

#### 7.19 REVENUE SUBSIDY FROM GOUP

The Petitioner submits that the projected budgeted subsidy for FY 2015-16 for overall Discoms is to the tune of Rs. 5,913 crore, out of which the share of the Petitioner is pegged to be Rs. 1,444.28 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	7221.01	9169.84	11570.68
Intra-state Transmission Charges	248.68	389.96	523.00
Employee Cost (Net of Capitalization)	162.62	250.07	269.83
A&G Expense (Net of Capitalization)	46.68	76.82	89.64
Repair & Maintenance Expense	302.15	306.43	322.71
Interest & Finance Charges (Net)	1550.34	329.41	430.27
Provision for Bad and Doubtful Debts	31.56	143.04	172.00
Depreciation	166.90	320.32	399.46
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	37.40	40.39	45.63
Other Misc Expenses / Incomes	0.00	0.00	0.00
Net Prior Period Credit/Charges	7.97	0.00	0.00
<b>Total Expenses</b>	<b>9775.33</b>	<b>11026.30</b>	<b>13823.21</b>
Less: Other Income	18.32	19.73	20.54
<b>Total Annual Revenue Requirement</b>	<b>9757.00</b>	<b>11006.56</b>	<b>13802.67</b>
Revenue From Existing Tariff	4811.07	7152.17	8599.77
GoUP Subsidy	917.88	1076.79	1444.28
Tariff Increases	0.00	0.00	0.00
<b>Remaining Gap</b>	<b>4028.05</b>	<b>2777.60</b>	<b>3758.62</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.

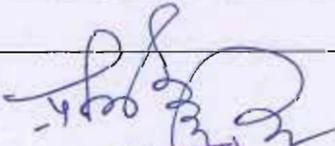
  
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The Petitioner humbly submits that complete segregation of account between wheeling and retail supply has still not taken place, therefore the Petitioner has adopted the basis of allocation of the expenses in line with the methodology used by the Hon'ble 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>

  
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**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 1<sup>st</sup> October, 2014 and the revised retail tariff was implemented after due notification. The Petitioner has evaluated a revenue gap of Rs. 3,758.62 crore in the ensuing year.

Outlined below is the Revenue Gap for the financial year 2014-15 based on current tariff:

**Table 8-1: Meeting the Gap for FY 2014-15 (Rs Crore)**

Particulars (Rs Crore)	FY 2014-15
Annual Revenue Requirement	13802.67
Less: Revenue Subsidy from GoUP	1444.28
Less: Revenue from Existing Tariff	8599.77
<b>Revenue Gap for FY 2014-15</b>	<b>3758.62</b>

In addition to the above, the revenue gap as per true up petition filed for FY 2012-13 is to the tune of Rs. 3,131.07 crore. Thus, the total revenue gap which needs to be recovered by the Petitioner from its consumers is to the tune of Rs. 6,889.69.84 crore along with carrying cost as shown in the table below:

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

Particulars	DVVNL
Revenue Gap as per True up Petition for 2012-13	3,131.07
Revenue Gap as per ARR for FY 2014-15	3,758.62
<b>Total</b>	<b>6,889.69</b>

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

  
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## 9. PRAYERS

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

- Admit the accompanying Annual Revenue Requirement for FY 2015-16 and True up Petition for FY 2012-13.
- Approve the Annual Revenue Requirement for FY 2015-16 and True up for FY 2012-13.
- Allow the Petitioner to procure power through bilateral contracts/exchanges/short term contracts to maintain the desired schedule of supply in the state in case the power procurement from long term sources falls short of levels envisaged and accordingly allow the Petitioner to claim FPPCA on such purchases and allow the variations in final 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

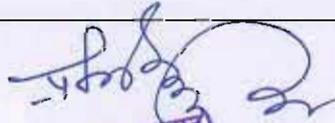
- Current long term allocation of allocated and unallocated power from State owned/ Central Sector generating stations and IPPs
- New generating capacity coming in ensuing year
- Indicated availability and plant load factors of various generators and
- Past availability trends and other relevant information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

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

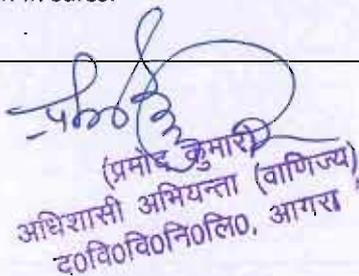
The energy requirement for the ensuing year 2015-16 is 1,08,707 MU which has to be procured from the existing resources (State, Central and Joint Venture generating Stations) with which petitioner has PPAs. If all these sources fail to supply the requisite amount of energy, the balance energy will be 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.

  
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- 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. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
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 2014-15**

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



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Source of Power	MW Available	MU	Total Cost	
			(Rs. / kWh)	(Rs. Cr.)
Total	455	1195	0.71	84.70

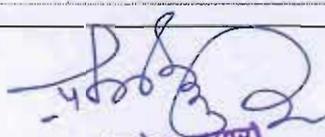
The assumptions considered while projecting the power purchase from the State owned thermal generating stations and Hydro stations are given below in Table below for each source respectively:

#### ASSUMPTIONS FOR POWER PURCHASE FROM UPRVUNL - FY 2015-16

S. No.	Particulars	Assumption
1	Power Purchase Quantum	<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	Fixed & Variable Charges	<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	Power Purchase Quantum	<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>

  
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2	<b>Fixed &amp; Variable Charges</b>	The same have been considered as per the actual bills raised by UPJNL for the period April to September, 2014.
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#### CAPACITY ALLOCATION FROM CENTRAL GENERATING STATIONS & OTHER STATIONS

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

UPPCL's current Allocated share from various Central Sector Plants is projected as per NRPC circular (NRPC/ OPR/ 103/ 02/ 2014-15) dated 12.11.2014.. In this circular UPPCL's total share includes the allocated share from unallocated power also.

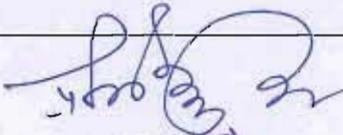
The variable (Primary & Secondary fuel) costs of Central Sector plants and other plants have been taken from the energy bills for the month of August, 2014 and are inclusive of FPA. All variable costs have been escalated by 6% for FY 2015-16

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

- Provisional power purchase cost and units of FY 2013-14
- Trend observed in the previous and current year (Copies of power purchase bills for the month of August 2014 have been enclosed for the prudence check by the Hon'ble Commission)
- Impact of loss reduction initiatives.
- Estimated growth in sales.
- Share of expected capacity available from various Generators to the Licensee.

The cost of energy from Central Sector stations has been derived from tariffs approved by Central Electricity Regulatory Commission. The cost of power purchase from IPPs within the State has been determined in accordance with UPERC (Terms and Conditions of Generation Tariff) Regulations, 2009. Similarly, the cost of power purchase from IPPs outside the State has been derived from tariffs and power purchase agreement approved by the Commission. The cost of energy from other sources has been derived from the power purchase / banking / trading agreements and tariffs approved by the Central / Appropriate Commissions. Further, wherever the Tariff Orders for FY 2015-16 have not been issued, the base year tariffs i.e., for FY 2014-15 have been escalated by 4.10% in case of fixed charges (only on O&M Expenses), 6.00% in case of variable charges and 15% for gas based stations.

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

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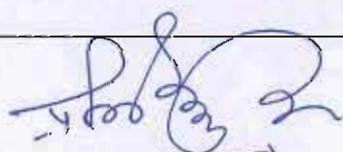
## DETAILS OF POWER PURCHASE COST FROM NTPC STATIONS FOR FY 2015-16

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

  
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2	<b>Fixed Charges</b>	Fixed charges are computed after considering UP state's allocated share in respective power plant as per Regional Energy Accounting Report and Annual Report of NRPC and ERPC and fixed cost approved as per CERC order for respective power plants.
3	<b>Variable Charges</b>	Variable cost is considered as per the recent energy bills raised for the period April to September, 2014

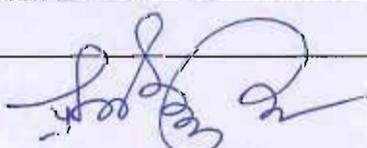
**METHODOLOGY FOR POWER PURCHASE FROM NTPC - FY 2015-16**

S. No.	Particulars	Assumption
1	<b>Plant Load Factor</b>	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	<b>UP State's Share in power plants</b>	Allocation of Power from various central generating stations for FY 2014-15 both firm and unallocated quota has been considered as per the NRPC circular (NRPC/ OPR/ 103/ 02/ 2014-15) dated 12.11.2014.

The summary of 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. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
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



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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)
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>

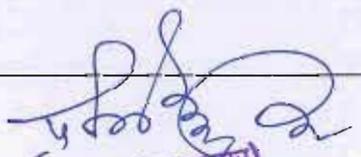
The assumptions considered while projecting the power purchase from the NHPC generating stations is given in table below:

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

S. No.	Particulars	Assumption
1	<b>Power Purchase Quantum</b>	Net Power Purchase Quantum is derived as a product of respective power plants MW capacity, plant load factor (PLF) and UP state's share in respective power plant. Power sourced from these NHPC plants is considered Must-run in Merit Order Despatch.
3	<b>Fixed Charges</b>	Fixed charges are computed after considering UP state's allocated share in respective power plant as per Regional Energy Accounting Report and Annual Report of NRRC and fixed cost approved by as per CERC order for respective power plants.
4	<b>Variable Charges</b>	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	<b>Energy Generation</b>	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	<b>UP State's share in power plants</b>	Allocation of Power from various central generating stations for FY 2014-15 both firm and unallocated quota has been considered as per the NRPC circular (NRPC/ OPR/ 103/ 02/ 2014-15) dated 12.11.2014.

  
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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
			(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.

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

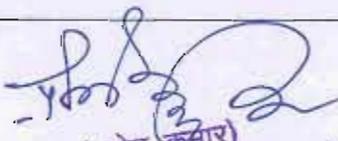
**DETAILS OF POWER PURCHASE COST FROM IPPS / JVs FOR FY 2015 – 16**

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, Jhajhjar	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	Variable cost is considered as per the recent energy bills raised

  
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part)	for the period April to September, 2014
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The summary of power purchased from Co-generating stations for FY 2015-16 is provided in table given below:

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

Source of Power	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Captive and Cogen	2865			4.90	1,403.05	4.90	1,403.05	4.90

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

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

Source of Power	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
		(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Inter system exchange (Bilateral & PXIL) / UI	4416			5.04	2,223.62	5.04	2,223.62	5.04
Solar Energy	84			11.81	99.19	11.81	99.19	11.81
NVVN Coal Power	352			3.00	105.38	3.00	105.38	3.00
<b>Total</b>	<b>4852</b>						<b>2428</b>	<b>5.58</b>

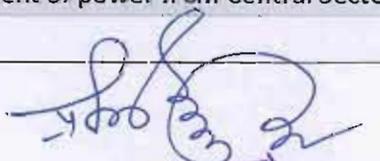
  
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**SUMMARY OF POWER PURCHASE**

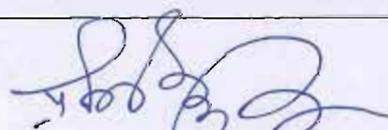
The total power purchase quantum available in megawatt (MW) terms from State owned generating stations, central generating stations and other sources along with the quantum and cost for FY 2015-16 is presented in the table below:

**SUMMARY OF POWER PURCHASE COST FY 2015-16**

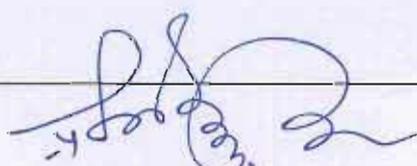
Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost (Rs. / kWh)
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
<b>Procurement of power from State Sector Generating Stations</b>									
<b>Thermal Stations</b>									
Anpara A	630	3,848	0.63	241	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 Extn.	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>									

  
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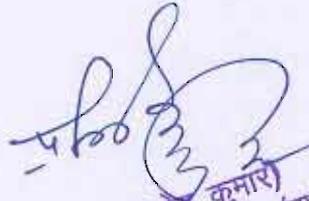
Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost (Rs. / kWh)
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Anta	119	813	0.74	60	3.26	265	3.99	325	3.99
Auriya	244	1,640	0.56	91	4.36	715	4.92	806	4.92
Dadri Thermal	84	613	0.86	53	4.15	254	5.00	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
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>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द०वि०वि०नि०लि०, आगरा

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>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द.वि.वि.निलि. आगरा

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

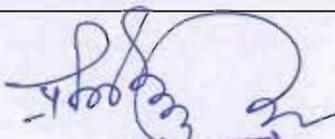
  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द.वि.वि.नि.वि. आगरा

**MERIT ORDER DISPATCH**

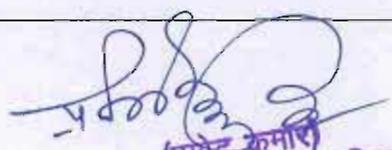
Merit Order Dispatch after evaluating the power purchase cost is given in the table below:

**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

  
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 द०वि०वि०निलि०, आगरा

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

  
 प्रमोद कुमार  
 अधिशासी अभियन्ता (वाणिज्य)  
 दण्डविभाग, आगरा

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

  
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अधिसासी अभियन्ता (वाणिज्य)  
द०वि०वि०नि०लि०, आगरा

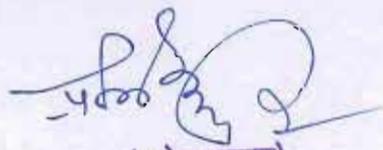


## **Annexure-1**

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

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

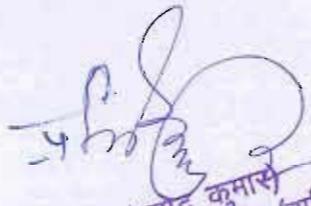
Summary Formats			
1	Sheet	S1	Profit & Loss Account
2	Sheet	S2	Balance Sheet
3	Sheet	S3	Cash flow statement
4	Sheet	S4	Annual Revenue Requirement
5	Sheet	S5	Information about equity and loan
6	Sheet	S6	Information about Working Capital
7	Sheet	S7	Reasonable Return
8	Sheet	S8	Energy Balance
9	Sheet	S9	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
49	Sheet	P9	Electrical Accidents
50	Sheet	P10	Peak Demand
51	Sheet	P11	Management and operation related ratios
52	Sheet	P12	Debt Restructuring
54	Sheet	P14	Status of Metering

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द०वि०वि०नि०लि०, आगरा



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>						
<b>A) Shareholders' Funds</b>						
a) Share Capital						
b) Reserves and Surplus						
<b>B) Special Appropriation allowed towards Project Cost</b>						
<b>C) Loan Funds</b>						
a) Short Term Borrowings						
b) Long Term Borrowings						
<b>D) Other sources of Funds</b>						
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>						
<b>A) Fixed Assets</b>						
a) Gross Block						
less: Accumulated Depreciation						
b) Net Block						
c) Capital Work in Progress						
less: Assets written off till date						
<b>B) Investments (provide details seperately)</b>						
<b>C) Current Assets, Loans and Advances</b>						
i) Inventories						
ii) Sundry Debtors						
iii) Cash and Bank Balances						
iv) Loans & Advances						
iii) Other Current Assets						
<b>D) less: Current Liabilities and other Provisions</b>						
i) Current Liabilities						
ii) Provisions						
<b>E) Net Current Assets</b>						
<b>F) Miscellaneous Expenditure to the extent not written off or adjusted</b>						
<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.

  
 (प्रसाद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणोत्तर विद्युत निगम, आगरा

S.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	Provisional Accounts	Revised Estimates	ARR
<b>A</b>	<b>Net Funds from Operations:</b>				
	Net (loss)/ profit before tax but after exceptional/ extra ordinary items				
	<b>Adjustments for :</b>				
	Depreciation and amortization				
	Interest expenses				
	Income from Investments				
	(Profit ) / Loss on fixed asset sold				
	Miscellaneous expenditures written off				
	Deferred revenue expenditure written off				
	Debts/advances written off				
	Provision for bad and doubtful debts				
	Liability no longer required written back				
	Provision for Gratuity and Leave Encashment				
	Exceptional/ Extraordinary items Expenses/ (income )				
	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.

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द.वि.वि.नि.लि.०, आगरा

Name of Distribution Licensee: Dakshinanchal 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				



(प्रमोद कुमार)  
अधिसासी अभियन्ता (वाणिज्य)  
दक्षिणविद्युतनिलि०, आगरा

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)	17,331.14	17,331.14	18,420.95	21,823.25	26,633.00
	Sale of Power (MU)	10,994.17	10,994.17	12,192.98	14,592.56	17,985.18
	Loss %	36.56%	36.56%	33.81%	33.13%	32.47%
<b>1</b>	<b>Receipts</b>					
a	Revenue from tariffs & Miscell. Charges (incl bulk sales to TPL)	3,990.64	3,990.64	4,811.07	7,152.17	8,599.77
b	Subsidy from Govt.	1,241.98	1,241.98	917.88	1,076.79	1,444.28
c	Torrent power ltd					
	<b>Total</b>	<b>5,232.62</b>	<b>5,232.62</b>	<b>5,728.95</b>	<b>8,228.96</b>	<b>10,044.05</b>
<b>2</b>	<b>Expenditure</b>					
a	Purchase of Power	6,256.54	6,953.86	7,221.01	9,169.84	11,570.68
b	Purchase of Power from Other Sources					
c	Intra-State Transmission Charges	301.56	286.15	248.68	389.96	523.00
d	R&M Expense	261.10	261.10	302.15	306.43	322.71
e	Employee Expenses	249.42	249.42	254.12	294.20	317.44
f	A&G Expense	75.31	75.31	72.25	90.38	105.46
g	Depreciation	165.42	304.17	166.90	320.32	399.46
h	Interest & Finance Charges	1,386.80	268.17	1,550.34	385.79	509.70
i	Less: Interest & other expenses capitalised	87.87	87.87	117.08	114.06	142.86
j	Other Debits (incl. Prov for Bad debts)	49.47	79.81	31.56	143.04	172.00
k	Extraordinary Items(OTS)	-	-	-	-	-
l	Other (Misc.)-net prior period credit	- 49.25	- 49.25	7.97	-	-
	<b>Total</b>	<b>8,608.51</b>	<b>8,340.89</b>	<b>9,737.93</b>	<b>10,985.90</b>	<b>13,777.59</b>
3(i)	Reasonable Return	-	-	-	-	-
3(ii)	Contingency Reserve	-	-	-	-	-
4	Non tariff income	11.83	11.83	18.32	19.73	20.54
5	Annual Revenue Requirement (2)+(3)-(4)	8,596.68	8,329.06	9,719.60	10,966.17	13,757.05
6	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	(3364.06)	(3096.44)	(3990.65)	(2737.21)	(3713.00)
7	Add: Allocation of Interest Charges and O&M of UPPCL		34.64	37.40	40.39	45.63
8	Efficiency Gains					
9	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	(3364.06)	(3131.07)	(4028.05)	(2777.60)	(3758.62)
10	Tariff Revision Impact	-	-	-	-	-
11	Surplus(+) / Shortfall(-) : (6)-(7) after tariff revision	(3,364.06)	(3,131.07)	(4,028.05)	(2,777.60)	(3,758.62)

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणान्चल विद्युत वितरण निगम, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited					
Information regarding amount of Equity & Loan					Form No: S5
Sr. No.	Period	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		True-Up	Provisional Accounts	Revised Estimates	ARR
1	Amt. of Regulatory Equity (Rs. in crores)	1,946.38	1,946.38	2,373.55	2,945.24
2	Amt. of Regulatory Loan (Rs. in crores)	1,372.31	1,631.53	2,307.95	3,242.44
3	Debt Equity Ratio	71%	84%	97%	110%

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणविद्युतनिका, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited

Information regarding Working Capital

Form No: S6

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	48.82	52.38	57.58	62.13
2	One-twelfth of the sum of the book value of materials in stores at the end of each month of such financial year.	59.93	62.03	11.63	15.57
3	Receivables equivalent to 60 days average billing on consumers	656.00	790.86	1,175.70	1,413.66
	<b>Gross Total</b>	<b>764.75</b>	<b>905.27</b>	<b>1,244.92</b>	<b>1,491.36</b>
Less:					
1	Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	313.43	350.11	386.15	495.57
	<b>Net Working Capital</b>	<b>451.31</b>	<b>555.15</b>	<b>858.76</b>	<b>995.80</b>
	Rate of Interest on Working Capital	12.50%	12.50%	12.50%	12.50%
	<b>Normative Interest on Working Capital</b>	<b>56.41</b>	<b>69.39</b>	<b>107.35</b>	<b>124.47</b>

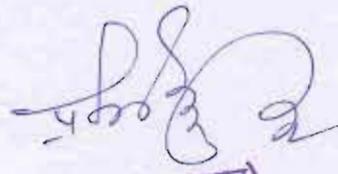
  
(प्रमोद कुमार)  
अधिरासी अभियन्ता (वाणिज्य)  
द०वि०वि०नि०लि०, आगरा

Name of Distribution Licensee: Dakshinaachal Vidyut Vitran Nigam Limited

Reasonable Return

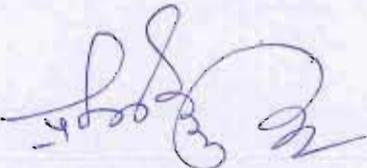
Form No: S7

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	1,946.38	1,946.38	2,373.55	2,945.24
2	Reserves and Surplus	-12,700.26	-16,515.18	-19,292.78	-23,051.41
	<b>Total Equity</b>	<b>-10,753.88</b>	<b>-14,568.80</b>	<b>-16,919.24</b>	<b>-20,106.16</b>
	<b>Return as a % of Equity</b>				



(प्रमोद कुमार)  
अधिसासी अभियन्ता (वाणिज्य)  
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Name of Distribution Licensee: Dakshinanchal 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)	17,331.14	17,331.14	18,420.95	21,823.25	26,633.00
	Power from State Stations					
	Power from Central Stations					
	Power from Other Sources					
	i.					
	ii.					
	iii.					
	<b>Total Power Available</b>	18,281.55	18,281.55	19,895.08	23,019.99	28,087.96
<b>2</b>	<b>Energy Sales within the state</b>					
	a) LT Sales					
	b) HT Sales					
	c) EHT Sales					
	<b>Total Energy Sales</b>	10,994.17	10,994.17	12,192.98	14,592.56	17,985.18
<b>3</b>	<b>Distribution Loss</b>	36.56%	36.56%	33.81%	33.13%	32.47%
<b>4</b>	<b>Total Transmission losses</b>	5.20%	5.20%	7.41%	5.20%	5.18%
<b>5</b>	<b>Tradable Power</b>	17,331.14	17,331.14	18,420.95	21,823.25	26,633.00

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणविद्युतनिका, आगरा

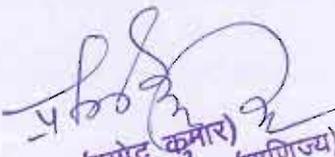
S.No	Particulars	FY 2012-13		
		Tariff Order	Audited	True-up
	Power Purchase or Energy Available (MU)	15,616.90	17,331.14	17,331.14
	Sale of Power (MU)	11,088.00	10,994.17	10,994.17
	Loss %	29.00%	36.56%	29.00%
<b>1</b>	<b>Receipts</b>			
a	Revenue from tariffs & Miscell. Charges	4052.27	3990.64	3990.64
b	Subsidy from Govt.	880.02	1241.98	1241.98
	<b>Total</b>	<b>4932.28</b>	<b>5232.62</b>	<b>5232.62</b>
<b>2</b>	<b>Expenditure</b>			
a	Purchase of Power	5635.68	6256.54	6953.86
b	Purchase of Power from Other Sources			
c	Intra-State Transmission Charges	271.73	301.56	286.15
d	R&M Expense	112.18	261.10	261.10
e	Employee Expenses	293.89	249.42	249.42
f	A&G Expense	39.33	75.31	75.31
g	Depreciation	281.53	165.42	304.17
h	Interest & Finance Charges	183.33	1386.80	268.17
i	Less: Interest & other expenses capitalised	-58.46	-87.87	-87.87
j	Other Debits (incl. Prov for Bad debts)	0.00	49.47	79.81
k	Extraordinary Items	0.00	0.00	0.00
l	Other (Misc.)-net prior period credit	0.00	-49.25	-49.25
m	Allocation of UPPCL Charges	0.00	0.00	34.64
n	Efficiency Gains	0.00	0.00	0.00
	<b>Total</b>	<b>6759.22</b>	<b>8608.51</b>	<b>8375.52</b>
<b>3</b>	<b>Reasonable Return</b>	0.00	0.00	0.00
<b>4</b>	<b>Other Income</b>	31.14	11.83	11.83
<b>5</b>	<b>Annual Revenue Requirement (2)+(3)-(4)</b>	<b>6728.08</b>	<b>8596.68</b>	<b>8363.70</b>
<b>6</b>	<b>Surplus(+)/ Shortfall(-) : (1)-(5) before tariff revision</b>	<b>-1795.79</b>	<b>-3364.06</b>	<b>-3131.07</b>
<b>7</b>	<b>Tariff Revision Impact</b>			
<b>8</b>	<b>Surplus(+)/ Shortfall(-) : (6)-(7)after tariff revision</b>	<b>-1795.79</b>	<b>-3364.06</b>	<b>-3131.07</b>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
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SUPPLY TYPE	CATG.	AGRA 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	616,110	991,001	795
	(ii)	Metered	613,118	808,437	1,064
	(B)	Supply at Single Point for Bulk Load	97	46,108	170
	(C1)	Other Metered Domestic Consumers	934,593	1,703,100	1,898
	(C2)	Life Line Consumers/BPL	158,509	158,977	175
<b>SUB-TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>2,322,427</b>	<b>3,707,623</b>	<b>4,102</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	3,326	5,953	4
	(ii)	Metered	76,418	193,340	295
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	7,381	20,105	22
	(C)	Other Metered Non-Domestic Supply	156,598	396,281	504
<b>SUB-TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>243,723</b>	<b>615,679</b>	<b>825</b>
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	375	3,673	18
	(ii)	Nagar Palika & Nagar Panchyat	911	9,069	29
	(iii)	Nagar Nigam	76	9,875	6
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	34
	(ii)	Nagar Palika & Nagar Panchyat	56	6,642	26
	(iii)	Nagar Nigam	45	2,007	6
<b>SUB-TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>1,463</b>	<b>31,266</b>	<b>119</b>
LMV--4	(A)	Public Institution(4 A)	17,959	76,952	237
	(B)	Private Institution(4 B)	4,821	36,445	90
<b>SUB-TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB/PRIV. INST.(LMV-4)</b>	<b>22,780</b>	<b>113,397</b>	<b>327</b>
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	126,241	936,053	1,175
	(ii)	Metered Supply	5,251	38,660	129
	(B)	Urban Schedule			
	(i)	Metered Supply	63,076	474,295	1,013
<b>SUB-TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>194,568</b>	<b>1,449,008</b>	<b>2,317</b>
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	5,482	38,422	55
	(ii)	Urban Schedule	3,839	32,829	49
	(B)	Small & Medium Power			
	(i)	Rural Schedule	6,097	38,915	54
	(ii)	Urban Schedule	33,056	313,252	458
<b>SUB-TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>48,474</b>	<b>423,418</b>	<b>616</b>
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	833	11,038	38
	(ii)	Jal Sansthan	821	8,438	39
	(iii)	Others (Water Works)	177	2,556	6
	(B)	Urban Schedule			
	(i)	Jal Nigam	1,205	8,896	51
	(ii)	Jal Sansthan	793	29,093	95
	(iii)	Others (Water Works)	273	5,265	39
<b>SUB-TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>4,102</b>	<b>65,286</b>	<b>268</b>
LMV--8	(A)	Metered Supply	1,559	48,515	281
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	4,926	96,913	337
	(ii)	Laghu Dal Nahar above 100 BHP	4	480	5
<b>SUB-TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>6,489</b>	<b>145,908</b>	<b>623</b>
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	1,108	2,349	10
	(ii)	Others	265	2,006	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	23	82	0
	(ii)	Temporary Shops	-	-	-
<b>SUB-TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>1,396</b>	<b>4,437</b>	<b>10</b>
LMV--10	(A)	Serving			
	(i)	Class IV Employees	3,951	11,263	18
	(ii)	Class III Employees	3,898	11,087	14
	(iii)	Junior Engineers & Equivalent	457	1,393	2
	(iv)	Assistant Engineers & Equivalent	382	1,589	3
	(v)	Executive Engineers & Equivalent	139	622	1
	(vi)	Deputy General Manager & Equivalent	42	146	0
	(vii)	CGM/GM & Equivalent posts and above	24	75	0
	(B)	Total Pensioner & Family Pensioner	7,742	24,792	47
<b>SUB-TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>16,635</b>	<b>50,967</b>	<b>85</b>
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	37	113,124	255
	(ii)	For supply at 33 kV & above	-	11,749	40

पंजीकृत प्रमोद कुमार 37  
अधिसासी अभियन्ता (सीरिज्य)  
इंजीनियरिंग विभाग, आगरा

SUPPLY TYPE	CATG.	AGRA DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Rural Schedule			
	(i)	For supply at 11kV	-	-	1
	(ii)	For supply at 33 kV & above	-	-	-
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>456</b>	<b>124,873</b>	<b>296</b>
<b>HV--2</b>	(A)	Urban Schedule			
	(i)	For supply at 11kV	1,646	393,045	1,123
	(ii)	For supply above 11kV and upto & Including 66kV	95	171,198	674
	(iii)	For supply above 66kV and upto & Including 132kV	141	61,705	197
	(iv)	For supply above 132kV	1	31,500	218
	(B)	Rural Schedule			
	(i)	For supply at 11kV	324	72,614	36
	(ii)	For supply above 11kV and upto & Including 66kV	-	-	0
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>2,207</b>	<b>730,062</b>	<b>2,248</b>
<b>HV--3</b>	(A)	For supply at and above 132kV	6	93,750	135
	(B)	For supply below 132kV	2	22,050	80
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>8</b>	<b>115,800</b>	<b>216</b>
<b>HV--4</b>	(A)	For supply at 11kV	36	20,921	131
	(B)	For supply above 11kV and upto 66kV	1	143	0
	(C)	For supply above 66kV and upto 132kV	1	9,350	11
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P.C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>38</b>	<b>30,414</b>	<b>143</b>
<b>EXTRA STATE</b>	(A)	EXTRA STATE & OTHERS	-	-	-
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>BULK</b>	(A)	Torrent (Depicted as Retail Sales)	-	-	-
	(B)	KESCO	-	-	-
<b>SUB TOTAL</b>		<b>BULK SUPPLY</b>	<b>-</b>	<b>-</b>	<b>-</b>
		<b>GRAND TOTAL</b>	<b>2,864,766</b>	<b>7,608,138</b>	<b>12,193</b>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द.वि.वि.निलि. आगरा

SUPPLY TYPE	CATG.	AGRA 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	554,499	891,901	1,156
	(ii)	Metered	966,478	1,378,855	1,615
	(B)	Supply at Single Point for Bulk Load	106	49,255	187
	(C1)	Other Metered Domestic Consumers	990,669	1,805,286	2,012
	(C2)	Life Line Consumers/BPL	166,434	166,926	319
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>2,678,185</b>	<b>4,292,223</b>	<b>5,289</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	3,526	6,310	8
	(ii)	Metered	80,239	203,007	312
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	7,824	21,311	32
	(C)	Other Metered Non-Domestic Supply	164,428	416,095	543
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>256,016</b>	<b>646,724</b>	<b>895</b>
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	439	4,297	15
	(ii)	Nagar Palika & Nagar Panchyat	920	9,160	40
	(iii)	Nagar Nigam	87	11,170	48
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	59	6,245	26
	(iii)	Nagar Nigam	54	2,408	11
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>1,559</b>	<b>33,281</b>	<b>140</b>
LMV--4	(A)	Public Institution(4 A)	19,396	89,119	280
	(B)	Private Institution(4 B)	4,917	37,174	92
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>24,313</b>	<b>126,293</b>	<b>372</b>
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	126,241	936,053	1,544
	(ii)	Metered Supply	5,514	40,593	135
	(B)	Urban Schedule			
	(i)	Metered Supply	66,861	502,753	1,168
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>198,615</b>	<b>1,479,399</b>	<b>2,847</b>
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	5,756	40,343	72
	(ii)	Urban Schedule	4,031	34,384	52
	(B)	Small & Medium Power			
	(i)	Rural Schedule	6,463	41,250	73
	(ii)	Urban Schedule	34,709	329,052	484
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>50,959</b>	<b>445,029</b>	<b>680</b>
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	958	12,694	64
	(ii)	Jal Sansthan	920	9,451	44
	(iii)	Others (Water Works)	198	2,863	7
	(B)	Urban Schedule			
	(i)	Jal Nigam	1,326	9,786	56
	(ii)	Jal Sansthan	856	32,193	107
	(iii)	Others (Water Works)	284	5,476	41
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>4,542</b>	<b>72,461</b>	<b>318</b>
LMV--8	(A)	Metered Supply	1,637	50,941	295
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	5,074	99,820	325
	(ii)	Laghu Dal Nahar above 100 BHP	4	480	0
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>6,715</b>	<b>151,241</b>	<b>621</b>
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	1,274	2,989	13
	(ii)	Others	318	2,407	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	24	86	0
	(ii)	Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>1,616</b>	<b>5,482</b>	<b>13</b>
LMV--10	(A)	Serving			
	(i)	Class IV Employees	4,091	12,425	18
	(ii)	Class III Employees	4,639	13,599	17
	(iii)	Junior Engineers & Equivalent	503	1,532	2
	(iv)	Assistant Engineers & Equivalent	401	1,911	3
	(v)	Executive Engineers & Equivalent	153	684	1
	(vi)	Deputy General Manager & Equivalent	46	158	0
	(vii)	CGM/GM & Equivalent posts and above	24	77	0
	(B)	Total Pensioner & Family Pensioner	7,897	32,630	49
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>17,754</b>	<b>63,016</b>	<b>91</b>
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV		121,043	281
	(ii)	For supply at 33 kV & above		12,101	45
	(B)	Rural Schedule			

प्रमोद कुमार  
अधिसासी अभिनवा (वर्गिकी)  
राजविद्युत निगम

SUPPLY TYPE	CATG.	AGRA DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(i) For supply at 11kV	-	-	-
		(ii) For supply at 33 kV & above	-	-	-
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>487</b>	<b>133,144</b>	<b>326</b>
<b>HV--2</b>	<b>(A)</b>	<b>Urban Schedule</b>			
		(i) For supply at 11kV	1,811	432,350	1,235
		(ii) For supply above 11kV and upto & Including 66kV	99	178,046	702
		(iii) For supply above 66kV and upto & Including 132kV	155	67,876	221
		(iv) For supply above 132kV	1	31,815	220
	<b>(B)</b>	<b>Rural Schedule</b>			
		(i) For supply at 11kV	356	79,875	227
		(ii) For supply above 11kV and upto & Including 66kV	-	-	-
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>2,422</b>	<b>789,961</b>	<b>2,605</b>
<b>HV--3</b>	<b>(A)</b>	<b>For supply at and above 132kV</b>	<b>6</b>	<b>98,438</b>	<b>142</b>
	<b>(B)</b>	<b>For supply below 132kV</b>	<b>2</b>	<b>23,153</b>	<b>99</b>
	<b>(C)</b>	<b>For Delhi Metro Rail</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>8</b>	<b>121,590</b>	<b>241</b>
<b>HV--4</b>	<b>(A)</b>	<b>For supply at 11kV</b>	<b>38</b>	<b>21,967</b>	<b>138</b>
	<b>(B)</b>	<b>For supply above 11kV and upto 66kV</b>	<b>1</b>	<b>150</b>	<b>3</b>
	<b>(C)</b>	<b>For supply above 66kV and upto 132kV</b>	<b>1</b>	<b>9,350</b>	<b>15</b>
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>40</b>	<b>31,467</b>	<b>156</b>
<b>EXTRA STATE</b>	<b>(A)</b>	<b>EXTRA STATE &amp; OTHERS</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>BULK</b>	<b>(A)</b>	<b>Torrent</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>(B)</b>	<b>KESCO</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SUB TOTAL</b>		<b>BULK SUPPLY</b>	<b>-</b>	<b>-</b>	<b>-</b>
		<b>GRAND TOTAL</b>	<b>3,243,232</b>	<b>8,391,312</b>	<b>14,593</b>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दणवि०वि०निलि०, आगरा

SUPPLY TYPE	CATG.	AGRA 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	431,277	693,701	899
		(ii) Metered	2,548,443	3,635,814	4,554
	(B)	Supply at Single Point for Bulk Load	115	53,688	209
	(C1)	Other Metered Domestic Consumers	1,050,109	1,913,603	2,191
	(C2)	Life Line Consumers/BPL	174,756	175,272	345
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>4,204,700</b>	<b>6,472,078</b>	<b>8,198</b>
LMV-2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	3,737	6,689	9
		(ii) Metered	84,251	213,157	335
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	8,293	22,590	34
	(C)	Other Metered Non-Domestic Supply	172,649	436,900	587
<b>SUB TOTAL</b>		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>268,931</b>	<b>679,336</b>	<b>964</b>
LMV-3	(A)	Un-metered Supply			
		(i) Gram Panchyat	513	5,028	18
		(ii) Nagar Palika & Nagar Panchyat	929	9,251	40
		(iii) Nagar Nigam	101	12,846	55
	(B)	Metered Supply			
		(i) Gram Panchyat	-	-	-
		(ii) Nagar Palika & Nagar Panchyat	62	6,557	28
		(iii) Nagar Nigam	65	2,890	13
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>1,670</b>	<b>36,572</b>	<b>155</b>
LMV-4	(A)	Public Institution(4 A)	20,947	96,249	309
	(B)	Private Institution(4 B)	5,016	37,917	96
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>25,963</b>	<b>134,166</b>	<b>406</b>
LMV-5	(A)	Rural Schedule			
		(i) Un metered Supply	126,241	936,053	1,544
		(ii) Metered Supply	5,789	42,623	142
	(B)	Urban Schedule			
		(i) Metered Supply	70,872	532,918	1,238
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>202,902</b>	<b>1,511,594</b>	<b>2,924</b>
LMV-6	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	6,044	42,360	77
		(ii) Urban Schedule	4,232	36,104	56
	(B)	Small & Medium Power			
		(i) Rural Schedule	6,851	43,725	79
		(ii) Urban Schedule	36,444	345,504	521
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>53,571</b>	<b>467,693</b>	<b>733</b>
LMV-7	(A)	Rural Schedule			
		(i) Jal Nigam	1,102	14,598	74
		(ii) Jal Sansthan	1,030	10,585	49
		(iii) Others (Water Works)	222	3,206	7
	(B)	Urban Schedule			
		(i) Jal Nigam	1,458	10,764	62
		(ii) Jal Sansthan	925	34,768	115
		(iii) Others (Water Works)	295	5,695	42
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>5,032</b>	<b>79,616</b>	<b>349</b>
LMV-8	(A)	Metered Supply	1,719	53,488	310
	(B)	Un-metered Supply			
		(i) STW,Panchayat Raj WB I,Duch P.C, L I upto 100 BHP	5,226	102,815	335
		(ii) Laghu Dal Nahar above 100 BHP	4	480	0
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>6,949</b>	<b>156,783</b>	<b>645</b>
LMV-9	(A)	Metered Supply			
		(i) Individual Residential Consumers	1,465	3,437	15
		(ii) Others	382	2,889	-
	(B)	Un-metered Supply			
		(i) Ceremonies	25	90	1
		(ii) Temporary Shops	-	-	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>1,872</b>	<b>6,416</b>	<b>16</b>
LMV-10	(A)	Serving			
		(i) Class IV Employees	4,236	12,865	19
		(ii) Class III Employees	5,520	16,183	21
		(iii) Junior Engineers & Equivalent	553	1,686	3
		(iv) Assistant Engineers & Equivalent	421	2,007	3
		(v) Executive Engineers & Equivalent	168	753	1
		(vi) Deputy General Manager & Equivalent	51	174	0
		(vii) CGM/GM & Equivalent posts and above	25	78	0
	(B)	Total Pensioner & Family Pensioner	8,055	33,282	51
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>19,029</b>	<b>67,028</b>	<b>99</b>
HV-1	(A)	Urban Schedule			
		(i) For supply at 11kV	500	129,516	301
		(ii) For supply at 33 kV & above	20	12,465	46
	(B)	Rural Schedule			
		(i) For supply at 11kV	-	-	-
		(ii) For supply at 33 kV & above	-	-	-
<b>SUB TOTAL</b>		<b>NON-INDUSTRIAL BULK LOADS (HV-1)</b>	<b>520</b>	<b>141,981</b>	<b>347</b>

प्रमोद कुमार  
अधिसासी अधिकारी (वाणिज्य)  
दावाविभागाधिकारी, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited						
Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2015-16					Form No: FI(a3)	
SUPPLY TYPE	CATG.	AGRA DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)	
HV--2	(A)	Urban Schedule				
		(i) For supply at 11kV	1,992	475,584	1,359	
		(ii) For supply above 11kV and upto & Including 66kV	103	185,168	730	
		(iii) For supply above 66kV and upto & Including 132kV	171	74,663	243	
		(iv) For supply above 132kV	1	32,133	222	
	(B)	Rural Schedule				
		(i) For supply at 11kV	392	87,863	250	
		(ii) For supply above 11kV and upto & Including 66kV	-	-	-	
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>2,658</b>	<b>855,411</b>	<b>2,804</b>	
HV--3	(A)	For supply at and above 132kV	7	103,359	149	
	(B)	For supply below 132kV	2	24,310	104	
	(C)	For Delhi Metro Rail	-	-	-	
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>9</b>	<b>127,670</b>	<b>253</b>	
HV--4	(A)	For supply at 11kV	40	23,065	145	
	(B)	For supply above 11kV and upto 66kV	1	158	3	
	(C)	For supply above 66kV and upto 132kV	1	9,350	15	
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>42</b>	<b>32,573</b>	<b>163</b>	
EXTRA STATE	(A)	EXTRA STATE & OTHERS	-	-	-	
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>-</b>	<b>-</b>	<b>-</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>4,793,848</b>	<b>10,768,916</b>	<b>18,055</b>	

  
 (प्रसाद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दण्डि विनिर्देशक, आगरा



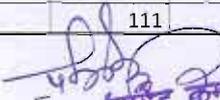
S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
<b>A</b>	<b>Income from Investment</b>					
1	Interest Income from Investments	0.00	0.00	0.00	0.00	0.00
2	Interest on fixed deposits	1.13	1.13	4.04	4.35	4.53
3	Interest from Banks other than Fixed Deposits	0.98	0.98	3.68	3.97	4.13
4	Interest on (any other items)					
	<b>Sub-Total (A)</b>	<b>2.11</b>	<b>2.11</b>	<b>7.72</b>	<b>8.32</b>	<b>8.66</b>
<b>B</b>	<b>Non Tariff Income</b>					
1	Interest on loans and Advances to staff	0.03	0.03	0.09	0.10	0.10
2	Interest on Loans and Advances to Licensee					
3	Interest on Loans and Advances to Lessors					
4	Interest on Advances to Suppliers / Contractors	6.45	6.45	7.49	8.07	8.40
5	Income from Trading					
6	Gain on Sale of Fixed Assets					
7	Miscellaneous receipts	3.23	3.23	3.02	3.25	3.38
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>9.72</b>	<b>9.72</b>	<b>10.60</b>	<b>11.42</b>	<b>11.89</b>
	<b>Total</b>	<b>11.83</b>	<b>11.83</b>	<b>18.32</b>	<b>19.73</b>	<b>20.54</b>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणविद्युतविद्युत निगम, आगरा

MONTH	Plant Capacity	UTILITY'S SHARE	Availability of Generating Station	Total Fixed or Capacity Charges	ESO by Generator	Energy Share to be received by the utility (Deducting auxiliary consumption )	Energy Units received by utility at its periphery (After deducting inter state/intra state transmission losses )	Fixed or Capacity charges to be paid by the utilities	Var Charges/Energy Charges to be paid by the utilities	Incentive to generating stations (if any)	Transmission /Wholing Charges (inter state/intra state )	Any other charges	Avg cost of energy at gen bus bar	Avg cost of energy recd at interface point of the utility
	MW	MW %		Rs Cr	MU	MU	MU	p/u	p/u	p/u	p/u	p/u	p/u	p/u
1	2	3 4		5	6	7	9	10	11	12	13	14	15	16
April														
May														
June														
July														
August														
September														
October														
November														
December														
January														
February														
March														
TOTAL							18420.95							
Arrear Bills for the past period due to revision of energy account/ tariff revision														
Total Cost														

  
 (प्रमोद कुमार)  
 विशासी अभियन्ता (वाणिज्य)  
 दण्डविभागाधिकारी, आगरा

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
Harduagunj	165	259	2.10	54	4.81	124	6.91	179	6.91
Obra A	288	779	0.93	72	2.29	179	3.22	251	3.22
Obra B	1,000	4,158	0.60	249	2.38	989	2.98	1,238	2.98
Panki	210	907	1.06	96	4.11	373	5.17	469	5.17
Parichha	220	323	0.96	31	3.69	119	4.65	150	4.65
Parichha Extn.	420	2,512	1.27	318	3.14	789	4.41	1,108	4.41
Parichha Extn. Stage II	500	3,308	1.79	593	3.04	1,007	4.84	1,600	4.84
Harduaganj Ext.	500	3,158	1.93	610	3.24	1,024	5.18	1,634	5.18
Anpara D	-	-	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
Kahalgao St. I	77	528	0.92	49	2.81	148	3.73	197	3.73
Kahalgao 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

  
 (प्रदीप कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दावि०वि०नि०लि०, आगरा

Name of Distribution Licensee: Dakshinanchal 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>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणविद्युतनिका, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited									
Details of Monthly Electricity Purchases from different Generating Stations - FY 2015-16								Form No: F4a	
Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost (Rs. / kWh)
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
<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
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	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

  
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 दशविंशतिविणियंत्रण, आगरा

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost (Rs. / kWh)
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Chamera-II	86	393	1.36	53	1.70	67	3.06	120	3.06
Chamera-III	62	283	2.00	57	2.20	62	4.20	119	4.20
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.85	29	2.85
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	25	111	4.98	55	1.75	19	6.73	75	6.73
	-	-	0.00	-	0.00	-	0.00	-	0.00
Parbati ST-III	104	383	1.41	54	3.18	122	4.59	176	4.59
<b>Sub-Total NHPC</b>	<b>774</b>	<b>3292</b>		<b>527.01</b>		<b>601.79</b>		<b>1,128.80</b>	<b>3.43</b>
NAPP	167	937	0.00	-	2.79	262	2.79	262	2.79
RAPP #3&4	80	604	0.00	-	3.12	189	3.12	189	3.12
RAPP#5&6	115	802	0.00	-	3.86	310	3.86	310	3.86
<b>Sub-Total NPCIL</b>	<b>362</b>	<b>2343</b>				<b>760.01</b>		<b>760.01</b>	<b>3.24</b>
NATHPA JHAKRI HPS	288	1,387	1.60	222	1.46	203	3.06	425	3.06
TALA POWER	45	181	0.00	-	2.47	45	2.47	45	2.47
Koteswar	173	570	2.02	115	2.20	125	4.22	240	4.22
Srinagar	290	519	3.02	157	0.00	-	3.02	157	3.02
Sasan	495	2,081	0.18	37	1.29	269	1.47	306	1.47
Teesta St-III	-	-	0.00	-	0.00	-	0.00	-	0.00
Karcham-Wangtoo	200	158	0.00	-	4.00	63	4.00	63	4.00
VISHNUPRAYAG	352	1,623	1.01	164	1.40	227	2.41	391	2.41
TEHRI STAGE-I	419	1,811	1.88	340	2.58	467	4.46	808	4.46
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Bara	1,188	1,115	0.00	-	3.20	357	3.20	357	3.20
Anpara 'C'	1,100	7,015	1.19	834	2.71	1,900	3.90	2,733	3.90
IGSTPP, 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

  
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 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणविद्युतनिलय, आगरा

Name of Distribution Licensee: Dakshinanchal 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	18,420.95			248.68	-	248.68	0.135
2	UPPTCL	FY 2014-15	21,823.25			389.96	-	389.96	0.179
3	UPPTCL	FY 2015-16	26,633.00			523.00	-	523.00	0.196
4									
5									
6									
7									
8									
9									



(प्रमोद कुमार)  
अध्यासी अभियन्ता (वाणिज्य)  
दक्षिणविद्युतनिलि०, आगरा

Name of Distribution Licensee: Dakshinanchal 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	134.85	134.85	140.13	157.93	164.40
2	Building	0.52	0.52	0.39	0.61	0.64
3	Civil Works		-		-	-
4	Hydraulic Works		-		-	-
5	Transformers		-		-	-
6	Lines, Cables Net Works etc.	125.71	125.71	126.12	147.22	153.25
7	Vehicles		-	35.44	-	-
8	Furniture and Fixtures	0.00	0.00	0.00	0.00	0.00
9	Office Equipments	0.02	0.02	0.06	0.02	0.02
10	Transportation				-	-
11	Sub station maintenance by private agencies				-	-
12	Any other items (Capitalisation)				-	-
	Additional R&M(@2.5% of incremental GFA)				0.64	4.39
	<b>Total</b>	<b>261.10</b>	<b>261.10</b>	<b>302.15</b>	<b>306.43</b>	<b>322.71</b>

  
 (प्रनोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
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## Employee Cost and Provisions

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	116.99	116.99	110.27	137.01	142.62
2	Dearness Allowance	74.67	74.67	87.47	87.45	91.03
3	Other Allowances & Relief	9.38	9.38	8.84	10.99	11.44
4	Bonus/Exgratia	1.46	1.46	1.19	1.72	1.79
5	Medical Expenses Reimbursement	3.00	3.00	3.54	3.51	3.65
6	Leave Travel Assistance		-		-	-
7	Earned Leave Encashment	11.05	11.05	9.16	12.94	13.47
8	Compensation	0.15	0.15	0.25	0.17	0.18
9	Staff Welfare Expenses	0.15	0.15	0.15	0.17	0.18
10	Pension and gratuity	28.26	28.26	27.78	33.09	34.45
11	Other Terminal benefits	4.32	4.32	5.48	5.06	5.27
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)				2.09	13.37
	<b>Grand Total</b>	<b>249.42</b>	<b>249.42</b>	<b>254.12</b>	<b>294.20</b>	<b>317.44</b>
	Employee expenses capitalized	67.22	67.22	91.50	44.13	47.62
	<b>Net employee expenses</b>	<b>182.19</b>	<b>182.19</b>	<b>162.62</b>	<b>250.07</b>	<b>269.83</b>

  
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 दक्षिणविद्युतनिका, आगरा

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>Administration Expenses</b>					
1	Rent rates and taxes (Other than all taxes on income and profit)	0.38	0.38	0.38	0.44	0.46
2	Insurance of employees, assets, legal liability	0.32	0.32	0.47	0.37	0.39
3	Revenue Stamp Expenses Account					
4	Telephone, Postage, Telegram, Internet Charges	1.74	1.74	1.87	2.04	2.12
5	Incentive & Award To Employees/Outsiders					
6	Consultancy Charges	0.49	0.49	0.59	0.57	0.59
7	Travelling	2.02	2.02	2.47	2.36	2.46
8	Technical Fees					
9	Other Professional Charges					
10	Conveyance And Travel (vehicle hiring, running)					
11	UPERC License fee	1.66	1.66	2.15	1.95	2.03
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>6.60</b>	<b>6.60</b>	<b>7.92</b>	<b>7.73</b>	<b>8.05</b>
<b>B)</b>	<b>Other Charges</b>					
1	Fee And Subscriptions (Books And Periodicals)					
2	Printing And Stationery	1.51	1.51	1.82	1.76	1.84
3	Advertisement Expenses	0.83	0.83	0.58	0.98	1.02
4	Contributions/Donations To Outside Institute / Association					
5	Electricity Charges To Offices	39.32	39.32	36.30	46.05	47.94
6	Water Charges	-	-	0.15	-	-
7	Consultancy expenses /Any Study related expenses					
8	Miscellaneous Expenses	24.19	24.19	22.38	28.33	29.49
9	Expenses on Public Interaction Program	-	-	0.00	-	-
10	Any Other expenses	1.05	1.05	1.19	1.23	1.29
	<b>Sub-Total of other charges</b>	<b>66.90</b>	<b>66.90</b>	<b>62.43</b>	<b>78.36</b>	<b>81.57</b>
<b>C)</b>	<b>Legal Charges</b>	1.68	1.68	1.78	1.97	2.05
<b>D)</b>	<b>Auditor'S Fee</b>	0.13	0.13	0.12	0.15	0.15
<b>E)</b>	<b>Frieght - Material Related Expenses</b>					
<b>F)</b>	<b>Other Departmental Charges</b>					
	Additional A&G expenses(@2.5% of incremental GFA)				2.18	13.65
<b>G)</b>	<b>Total Charges</b>	<b>75.31</b>	<b>75.31</b>	<b>72.25</b>	<b>90.38</b>	<b>105.46</b>
<b>H)</b>	<b>Expenses capitalized</b>	<b>20.64</b>	<b>20.64</b>	<b>25.58</b>	<b>13.56</b>	<b>15.82</b>
<b>I)</b>	<b>Net Administrative and General expenses</b>	<b>54.67</b>	<b>54.67</b>	<b>46.68</b>	<b>76.82</b>	<b>89.64</b>

  
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 अधिशासी अभियन्ता (वाणिज्य)  
 दण्डविभाग, आगरा

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

Sl.No	Particulars	FY 2012-13												
		Gross Fixed Assets			Provision For Depreciation			Net Fixed Assets						
		At 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)	4,265.07	745.26	397.69	4,612.64	7.84%		347.98				43.81		
	Less: Dep on Assets Capitalized through Consumer Contribution													
	Net Depreciation											304.17		

*(Signature)*  
 ५०००

(प्रमोद कुमार)  
 विशासी अभियन्ता (वाणिज्य)  
 दक्षिणविद्युतनिका, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitram Nigam Limited

Fixed Assets and Provision for Depreciation

Form No: F8

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 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)	4,612.64	692.45	495.87	4,809.21	7.84%			369.31	51.02	3,18.29
	Less: Dep on Assets Capitalized through Consumer Contribution										
	Net Depreciation										

  
 प्रमोद कुमार (वगिण्डा)  
 राशसी अमियन्ता (वगिण्डा), आगरा  
 वी.वि.वि.नि.वि.१०, आगरा

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

Form No: F8

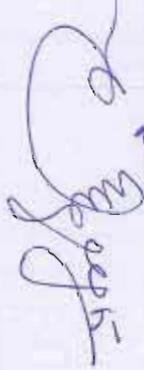
Sl.No	Particulars	Gross Fixed Assets			Rate of Depreciation	Provision For Depreciation			Net Fixed Assets	
		At Beginning of Year	Addition During Year	Adjustments & Deduction		At End of Year	At Beginning of Year	Addition During Year	Adjustments & Deduction	At The beginning of Year
1	Land & Land rights									
	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									
	<b>Total (1 to 13)</b>	4,809.21	1,051.47		5,860.68	7.84%	418.23	97.92	320.32	
	Less: Dep on Assets Capitalized through Consumer Contribution									
	<b>Net Depreciation</b>									

  
 (प्रमोद कुमार)  
 प्रशासी अभियन्ता (वाणिज्य)  
 दशविंशतिवर्षीय वि. आगरा

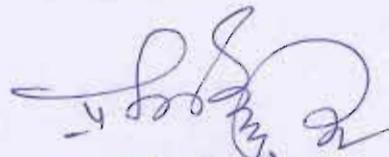
**Name of Distribution Licensee: Dakshinanehal Vidyut Vitran Nigam Limited**  
Fixed Assets and Provision for Depreciation

Form No: F8

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 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										
	<b>Total (1 to 13)</b>	5,860.68	1,584.80		7,445.49	0.08		521.58	122.11	399.46	
	Less: Dep on Assets Capitalized through Consumer Contribution										
	<b>Net Depreciation</b>										

  
 (प्रमोद कुमार)  
 अधिसारी अभियन्ता (वाणिज्य)  
 दक्षिणानेहल विद्युत निगम लि. आगरा

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	249.25	179.91	322.75	245.11	345.34
	Interest on Working Capital	1105.70	56.41	1199.86	107.35	124.47
	<b>Total Interest Charges</b>	<b>1,354.95</b>	<b>236.32</b>	<b>1,522.62</b>	<b>352.46</b>	<b>469.82</b>
	<b>Finance Charges</b>					
	Interest to Consumers	31.63	31.63	27.55	33.13	39.68
	Bank Charges	0.22	0.22	0.18	0.19	0.20
	Discount to Consumers	-	-	-	-	-
	Finance Charges/Guarantee fees	-	-	-	-	-
	<b>Total Finance Charges</b>	<b>31.85</b>	<b>31.85</b>	<b>27.73</b>	<b>33.33</b>	<b>39.88</b>
	<b>Gross Interest and Finance Charges</b>	<b>1,386.80</b>	<b>268.17</b>	<b>1,550.34</b>	<b>385.79</b>	<b>509.70</b>
	IDC	-	-	-	56.38	79.43
	<b>Net Interest and Finance Charges</b>	<b>1,386.80</b>	<b>268.17</b>	<b>1,550.34</b>	<b>329.41</b>	<b>430.27</b>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द0वि0वि0नि0लि0, आगरा

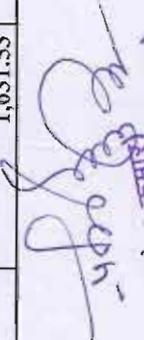
Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited							Form No: F9 (a)
Particulars	Domestic loans, bonds and financial leasing (Normative Loans)			Interest		Closing Balances as on March 31, 2013	
	Opening Balance at the beginning as on April 1, 2012	Amount received during the year	Principal repayment during the year	Amt Rs. Cr	Rate %		Amt Rs. Cr
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr	
Long Term Loans							
Go UP (T/Scheme)							
Go UP-APDRP							
Go UP World Bank							
UPSIDCL							
Hudco							
REC (T/Scheme)							
PFC (Transfer Scheme)							
REC (APDRP)							
REC (Bridge Loan)							
PFC (T/Scheme)							
PFC (R-APDRP)							
PFC (Business Plan)							
REC (Sub Station Loan)							
REC (ABC Loan)							
PFC (R-APDRP Part B)							
Interest Accrued but not due							
REC (WC)							
REC (Transfer S)							
Bank Loans (FRP)							
PFC							
REC							
Noida+ Mandi Parishad							
<b>Total</b>	<b>1,321.42</b>	<b>355.06</b>	<b>304.17</b>	<b>179.91</b>	<b>13.36%</b>	<b>1,372.31</b>	

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणचल विद्युत निगम, आगरा

Name of Distribution Licensee: Dakshinanchal 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	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>1,372.31</b>							<b>1,631.53</b>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणविद्युतविद्युत निगम, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited							Form No: F9 (a)
Particulars	Domestic loans, bonds and financial leasing (Normative Loans)		Interest		Closing Balances as on March 31, 2015		
	Opening Balance at the beginning as on April 1, 2014	Amount received during the year	Principal repayment during the year	Amt Rs. Cr	Rate %	Amt Rs. Cr	
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr	
<b>Long Term Loans</b>							
Go UP (T/Scheme)							
Go UP-APDRP							
Go UP World Bank							
UPSIDCL							
Hudco							
REC (T/Scheme)							
PFC (Transfer Scheme)							
REC (APDRP)							
REC (Bridge Loan)							
PFC (T/Scheme)							
PFC (R-APDRP)							
PFC (Business Plan)							
REC (Sub Station Loan)							
REC (ABC Loan)							
PFC (R-APDRP Part B)							
Interest Accrued but not due							
REC (WC)							
REC (Transfer S)							
Bank Loans (FRP)							
PFC							
REC							
Noida+ Mandi Parishad							
<b>Total</b>	<b>1,631.53</b>	<b>996.73</b>	<b>320.32</b>	<b>245.11</b>	<b>12.44%</b>	<b>2,307.95</b>	

  
 (प्रमोद कुमार)  
 अभिशासी अभियन्ता (वाणिज्य)  
 दक्षिणचल विद्युत निगम लि०, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited										Form No: F9 (a)	
Particulars	Domestic loans, bonds and financial leasing (Normative Loans)				Interest		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	Interest	Rate %	Amt Rs. Cr	Amt Rs. Cr				
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr							
<b>Long Term Loans</b>											
Go UP (T/Scheme)											
Go UP-APDRP											
Go UP World Bank											
UPSIDCL											
Hudco											
REC (T/Scheme)											
PFC (Transfer Scheme)											
REC (APDRP)											
REC (Bridge Loan)											
PFC (T/Scheme)											
PFC (R-APDRP)											
PFC (Business Plan)											
REC (Sub Station Loan)											
REC (ABC Loan)											
PFC (R-APDRP Part B)											
Interest Accrued but not due											
REC (WC)											
REC (Transfer S)											
Bank Loans (FRP)											
PFC											
REC											
Noida+ Mandi Parishad											
<b>Total</b>	<b>2,307.95</b>	<b>1,333.95</b>	<b>399.46</b>	<b>345.34</b>	<b>12.44%</b>	<b>3,242.44</b>					

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दशविद्युतनिलि, आगरा

Name of Distribution Licensee: Dakshinanchal 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	-	-	-	56.38	79.43
2	Other expenses capitalised:					
	a. Employee expenses	67.22	67.22	91.50	44.13	47.62
	b. R&M Expenses					
	c. A&G Expenses	20.64	20.64	25.58	13.56	15.82
	d. Others, if any					
	<b>Total of 2</b>	<b>87.87</b>	<b>87.87</b>	<b>117.08</b>	<b>57.69</b>	<b>63.44</b>
	<b>Grand Total</b>	<b>87.87</b>	<b>87.87</b>	<b>117.08</b>	<b>114.06</b>	<b>142.86</b>



(प्रमोद कुमार)  
अधिशाली अभियन्ता (वाणिज्य)  
द०वि०वि०निलि०, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited						
Debits, Write-offs and any other items					Form-11	
Sl.No.	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Material Cost Variance					
2	Miscellaneous Losses And Write Off					
3	Bad Debt Written Off/Provided For	49.47	79.81	31.56	143.04	172.00
4	Cost Of Trading & Manufacturing Activities					
5	Net Prior Period Credit/Charges	-49.25	-49.25	7.97	0.00	0.00
6	<b>Sub-Total</b>	<b>0.22</b>	<b>30.56</b>	<b>39.54</b>	<b>143.04</b>	<b>172.00</b>
7	Less Chargeable To Capital Expense					
	<b>Net Chargeable To Revenue</b>	<b>0.22</b>	<b>30.56</b>	<b>39.54</b>	<b>143.04</b>	<b>172.00</b>



(प्रमोद कुमार)  
अधिकासी अभियन्ता (वा.  
दणविणविणनिलि, आगरा

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	5,612.80
2	Revenue billed for the year	3,990.64	4,811.07	7,152.17	8,599.77
3	Collection for the year	3,050.73	4,351.92	6,079.34	7,309.80
	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	5,612.80	6,902.76
5	Receivables against permanently disconnected consumers				
6	Receivables(4-5)	3,990.64	4,811.07	7,152.17	8,599.77
7	% of provision	2.00%	2.00%	2.00%	2.00%
8	Provision for bad and doubtful debts	79.81	31.56	143.04	172.00



(प्रमोद कुमार)  
अधिसासी अभियन्ता (वाणिज्य)  
दक्षिणविद्युतनिलय, आगरा

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>	Nil	Nil	Nil	Nil	Nil
2	Extraordinary Debits					
	subsidies against losses due to natural disasters					
	<b>TOTAL DEBITS</b>	Nil	Nil	Nil	Nil	Nil
	<b>Grand Total</b>					



(प्रमोद कुमार)  
अधिकासी अभियन्ता (वाणि-  
द०वि०वि०नि०लि०, आगरा)

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	52.39	52.39			
5	Receipts from consumers	6.76	6.76			
6	Other Excess Provision					
7	Others			0.01		
	<b>Sub-Total A</b>	<b>59.15</b>	<b>59.15</b>	<b>0.01</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	0.71	0.71	0.11		
3	Excise Duty on generation					
4	Employee Cost	5.15	5.15	5.67		
5	Depreciation					
6	Interest and Finance Charges			0.38		
7	Admn. Expenses					
8	Withdrawal of Revenue Demand					
9	Material Related					
10	Others	4.04	4.04	1.82		
	<b>Sub-Total B</b>	<b>9.90</b>	<b>9.90</b>	<b>7.98</b>	<b>0.00</b>	<b>0.00</b>
	<b>Net prior period Credit/(Charges) : A-B</b>	<b>-49.25</b>	<b>-49.25</b>	<b>7.97</b>	<b>0.00</b>	<b>0.00</b>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द0वि0वि0नि0लि0, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited  
Contributions, Grants and subsidies towards Cost of Capital Assets

Form No: F15

Sl No	Particulars	Previous Year		Current Year		Ensuing Year		
		Balance at the beginning of the year	Net Additions during the Year	Balance at the end of the Year	Net Additions during the Year	Balance at the end of the Year	Net Additions during the Year	Balance at the end of the Year
1	Consumer Contribution Towards Cost Of Capital Assets (Net)	950.73	175.73	1,126.46	153.36	1,279.82	214.18	1,494.00
2	Consumer Contribution towards Metering Systems							
3	Others							
	<b>Sub-Total</b>	<b>950.73</b>	<b>175.73</b>	<b>1,126.46</b>	<b>153.36</b>	<b>1,279.82</b>	<b>214.18</b>	<b>1,494.00</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>950.73</b>	<b>175.73</b>	<b>1,126.46</b>	<b>153.36</b>	<b>1,279.82</b>	<b>214.18</b>	<b>1,494.00</b>

  
(प्रमोद कुमार)  
अध्यासकी अभियन्ता (वाणिज्य)  
दक्षिणचल विद्युत निगम, आगरा

Name of Distribution Licensee: Dakshinanchal 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						

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द0वि0वि0नि0लि0, आगरा



Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited

Current Assets & Liabilities

Form No: F19

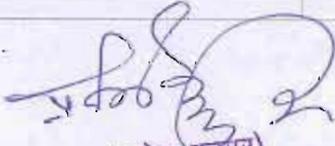
Sl.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
A	<b>Current Assets, Loans and Advances</b>				
	Sundry Debtors				
	Inventories				
	Cash and Bank Balances				
	Loans and Advances				
	Other current assets				
B	<b>Current Liabilities and Provisions</b>				
	Sundry Creditors				
	Provisions				
	Other Current Liabilities				
C	<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.

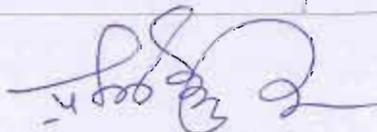


(प्रमोद कुमार)  
अधिसासी अभियन्ता (वाणिज्य)  
द०वि०वि०नि०लि०, आगरा

S.No.	Description	Unit	No./ Quantity	Loans	Capital Expenditure		Total
					Equity / Internal Accruals	Deposit Works	
<b>33 KV New Work</b>							
1	(a) 33 KV Line	Km.	493.92	52.93	22.68		75.61
	(b) 33/11 KV S/s (Including civil works)	Nos./MVA	55/275	158.57	67.96		226.52
2	33/11 KV Increasing Capacity	Nos./MVA	50/250	31.66	13.57		45.23
3	33 KV line & S/s Strengthening (Replacement of higher capacity of conductor, poles, S/s apparatus etc.)	Km.	54.00	3.42	1.47		4.89
<b>11 KV New Works</b>							
4	(a) 11 KV New line (Vifercatin of feeders, linkline etc.)	Km.	1013.00	38.48	16.49		54.97
	(b) 11/0.4 KV S/s		0.00	0.00	0.00		0.00
	(i) 11/0.4 KV S/s	Nos./KVA	608.00	15.39	6.59		21.98
	(ii) 11/0.4 KV S/s (SC Dominated)	Nos./KVA	150.00	3.80	1.63		5.43
5	11/0.4 KV S/s increasing capacity		0.00	0.00	0.00		0.00
	(i) 11/0.4 KV S/s increasing capacity	Nos./KVA	608.00	7.70	3.30		11.00
	(ii) 11/0.4 KV S/s increasing capacity (SC Dominated)	Nos./KVA	150.00	1.90	0.81		2.71
6	Strengthening of 11 KV line & 11/0.4 KV S/s etc.		0.00	0.00	0.00		0.00
	(i) Strengthening of 11 KV line & 11/0.4 KV S/s etc.	Nos./Km	400/600	12.67	5.43		18.09
	(ii) Strengthening of 11 KV line & 11/0.4 KV S/s etc. (SC Dominated)	Nos./Km	150/200	4.75	2.04		6.78
7	Saparation of Villages from P.T.W., S.T.W. etc. (Saparation of feeders) against Sanction scheme 1500 crore out of which 40% work will be proposed to be completed in this year.	-	-	0.00	0.00		0.00
8	Replace of old & damage of 11 KV capacitors & other pertaining equipment 50%	Nos.	405.00	15.39	6.59		21.98
9	Providing new 11 KV capacitors 10% of S/s	Nos.	68.00	3.42	1.47		4.89
10	Construction of new L.T. line		0.00	0.00	0.00		0.00
	(i) Construction of new L.T. line	Km.	675.00	21.38	9.16		30.54
	(ii) Construction of new L.T. line (SC Dominated)	Km.	200.00	6.33	2.71		9.05
11	Strengthening of L.T. line (Replacing of damage conductor/pole jarjer replacement of higher capacity of conductor broken pole/wooden pole, Additional pole in long span & other access etc.	Km.	1200.00	15.20	6.51		21.71
12	Replacement of damage/very old OCB/VCB and other equipments as well as by high capacity.	Nos.	80.00	5.07	2.17		7.24
13	Construction - major workshop. Encluding civil work	Nos.	3.00	3.80	1.63		5.43
14	Strengthening of working workshop, store, other T&P etc. Including civil works	Nos.	15.00	13.93	5.97		19.90
15	Arrange of stair mounted (Hydraulic vehicle & Jeeps)	Nos.	45.00	6.84	2.93		9.77
16	Non Residencial & Residencial new work.	Nos.	-	6.33	2.71		9.05
17	Strengthening/Maintenance of Non Residencial & Residencial building/S/s etc.	No.	-	7.86	3.37		11.24
18	Improvement of billing of R/L areas		-	6.33	2.71		9.05
19	Reduction of commercial losses, providing pilfer proof metering against all category consumers.		-	3.17	1.36		4.52
20	Providing of double meter in all category with modem	Nos.	-	6.33	2.71		9.05
21	Providing Electronic meter at S.T.W. consumers 10% in this year.	Nos.	605.00	0.46	0.20		0.65
22	Arrangement of prepaid meter (1-Æ & 3-Æ)	Nos.	-	2.53	1.09		3.62
23	Any other works which fall under network strengthening of Transformer repairing workshop and manufacturing of PCC Pole at different units.		0.00	0.00	0.00		0.00
	(a) Repairing of Transformers	w	7000.00	5.32	2.28		7.60
	(b) PCC Pole manufacturing.	Nos.	65000.00	14.82	6.35		21.17
24	Capital Investment through Support under Vyapar Vikas Nidhi		0.00	323.34	138.57		461.91
25	R-APDRP Part A		0.00	29.25	12.54		41.79
26	R-APDRP Part B		0.00	168.38	72.16		240.54
27	Deposit Works		0.00	0.00	0.00	251.28	251.28
<b>Total</b>				<b>996.73</b>	<b>427.17</b>	<b>251.28</b>	<b>1675.18</b>

  
(प्रमोद कुमार)  
अधिसासी अभियन्ता (वाणिज्य)  
द०वि०वि०निलि०, आगरा

S.No.	Description	Unit	No./ Quantity	Loans	Capital Expenditure		
					Equity / Internal Accruals	Deposit Works	Total
<b>33 KV New Work</b>							
1	(a) 33 KV Line	Km.	1514.05	89.66	38.43		128.09
	(b) 33/11 KV S/s (Including civil works)	Nos./MVA	17/85	274.25	117.53		391.78
2	33/11 KV Increasing Capacity	Nos./MVA	33/165	53.24	22.82		76.05
3	33 KV line & S/s Strengthening (Replacement of higher capacity of conductor, poles, S/s apparatus etc.)	Km.	36.00	5.81	2.49		8.30
<b>11 KV New Works</b>							
4	(a) 11 KV New line (Vifercatin of feeders, linkline etc.)	Km.	673.00	65.14	27.92		93.06
	(b) 11/0.4 KV S/s		0.00	0.00	0.00		0.00
	(i) 11/0.4 KV S/s	Nos./KVA	404.00	26.07	11.17		37.24
	(ii) 11/0.4 KV S/s (SC Dominated)	Nos./KVA	100.00	6.45	2.77		9.22
	11/0.4 KV S/s increasing capacity		0.00	0.00	0.00		0.00
5	(i) 11/0.4 KV S/s increasing capacity	Nos./KVA	404.00	13.03	5.59		18.62
	(ii) 11/0.4 KV S/s increasing capacity (SC Dominated)	Nos./KVA	100.00	3.23	1.38		4.61
	Strengthening of 11 KV line & 11/0.4 KV S/s etc.		0.00	0.00	0.00		0.00
6	(i) Strengthening of 11 KV line & 11/0.4 KV S/s etc.	Nos./Km	266/199	21.46	9.20		30.65
	(ii) Strengthening of 11 KV line & 11/0.4 KV S/s etc. (SC Dominated)	Nos./Km	100/133	8.07	3.46		11.52
7	Saparation of Villages from P.T.W., S.T.W. etc. (Saparation of feeders) against Sanction scheme 1500 crore out of which 40% work will be proposed to be completed in this year.		-	0.00	0.00		0.00
8	Replace of old & damage of 11 KV capacitors & other pertaining equipment 50%	Nos.	270.00	26.13	11.20		37.33
9	Providing new 11 KV capacitors 10% of S/s	Nos.	45.00	5.81	2.49		8.30
10	Construction of new L.T. line		0.00	0.00	0.00		0.00
	(i) Construction of new L.T. line	Km.	450.00	36.30	15.56		51.85
	(ii) Construction of new L.T. line (SC Dominated)	Km.	133.00	10.74	4.60		15.35
11	Strengthening of L.T. line (Replacing of damage conductor/pole jarjer replacement of higher capacity of conductor broken pole/wooden pole, Additional pole in long span & other access etc.)	Km.	798.00	25.75	11.03		36.78
12	Replacement of damage/very old OCB/VCB and other equipments as well as by high capacity.	Nos.	53.00	8.55	3.66		12.21
13	Construction - major workshop. Including civil work	Nos.	2.00	6.45	2.77		9.22
14	Strengthening of working workshop, store, other T&P etc. Including civil works	Nos.	10.00	23.65	10.14		33.79
15	Arrange of stair mounted (Hydraulic vehicle & Jeeps)	Nos.	30.00	11.62	4.98		16.59
16	Non Residencial & Residencial new work.	Nos.	-	10.74	4.60		15.35
17	Strengthening/Maintenance of Non Residencial & Residencial building/S/s etc.	No.	-	13.33	5.71		19.04
18	Improvement of billing of R/L areas		-	7.52	3.22		10.74
19	Reduction of commercial losses, providing pilfer proof metering against all category consumers.		-	3.68	1.58		5.25
20	Providing of double meter in all category with modem	Nos.	-	10.74	4.60		15.35
21	Providing Electronic meter at S.T.W. consumers 10% in this year.	Nos.	400.00	0.77	0.33		1.11
22	Arrangement of prepaid meter (1-Æ & 3-Æ)	Nos.	-	4.29	1.84		6.13
23	Any other works which full under network strengthening of Transformer repairing workshop and manufacturing of PCC Pole at different units.		0.00	0.00	0.00		0.00
	(a) Repairing of Transformers		4667.00	9.03	3.87		12.91
	(b) PCC Pole manufacturing.	Nos.	43222.00	25.10	10.76		35.86
24	Capital Investment through Support under Vyapar Vikas Nidhi		0.00	322.64	138.28		460.92
25	R-APDRP Part A		0.00	36.33	15.57		51.90
26	R-APDRP Part B		0.00	168.38	72.16		240.54
27	Deposit Works		0.00	0.00	0.00	336.29	336.29
<b>Total</b>				<b>1333.95</b>	<b>571.69</b>	<b>336.29</b>	<b>2241.94</b>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दशविंशतिनिर्माण, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited

Capital Formation During FY 2013-14

Additional Form

Detail	Balance Mar-13 (1)	Investments (2)	Cap interest (3)	Cap expenses (4)	To GFA (5)	Depreciation (6)	Balance Mar-14 (7)	31- Mar-14
Gross Fixed Assets	4,612.6	692.4	495.9			7.84%	4,809.2	
Depreciation							369.3	
Work in Progress	579.3	835.5	91.5	25.6	692.4		839.4	

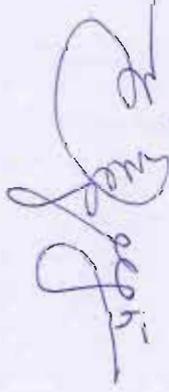


(प्रमोद कुमार)  
अधिसारी अभियन्ता (वाणिज्य)  
दणविणनिलि, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited  
Capital Formation During FY 2015-16

Additional Form

Detail	Balance 31-Mar-15 (1)	Invest-ments (2)	Cap interest (3)	Cap expenses (4)	To GFA (5)	Depreciation (6)	Balance 31- Mar-16 (7)
Gross Fixed Assets	5860.68	1584.80				7.84%	7,445.5
Depreciation							521.6
Work in Progress	1,577.2	2,241.9	47.6	95.2	1,584.8		2,377.2



(प्रमोद कुमार)  
अधिकासी अभियन्ता (वाणिज्य)  
दाविणविनिगलि, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited

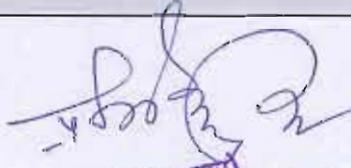
Capital Formation During FY 2014-15

Additional Form

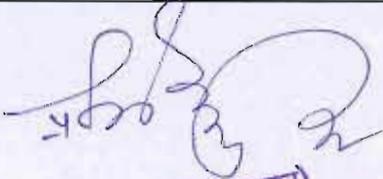
Detail	Balance 31-Mar-14 (1)	Invest-ments (2)	Cap interest (3)	Cap expenses (4)	To GFA (5)	Depreciation (6)	Balance 31- Mar-15 (7)
Gross Fixed Assets	4,809.2	1,051.5				7.84%	5,860.7
Depreciation	-						418.2
Work in Progress	839.4	1,675.2	100.5	13.6	1,051.5		1,577.2

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दण्डिविद्युतनिगमलि०, आगरा

Name of Distribution Licensee: Dakshinanchal Vidyut Vitran Nigam Limited			
Revenue Assesment,Sales & Through Rate :FY 2014-15			Form No: T3
Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	<b>1,940.33</b>	<b>5,361.05</b>	<b>3.62</b>
(a) Consumer getting supply as per "Rural Schedule"	576.37	2,843.22	2.03
(b) Supply at Single Point for Bulk Loads	102.20	186.79	5.47
(c) Other Metered Domestic Consumers	1,179.42	2,011.76	5.86
(d) Life Line Consumers	82.33	319.28	2.58
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>612.83</b>	<b>894.63</b>	<b>6.85</b>
(a)Non-Domestic(Rural)	103.03	319.69	3.22
(b)Private Advertisements/Sign Boards/Glow Signs/Flex	44.29	31.63	14.00
(c)Non-Domestic (Urban Metered)	465.51	543.30	8.57
<b>LMV-3: Public Lamps</b>	<b>87.43</b>	<b>139.92</b>	<b>6.25</b>
<b>LMV-4: Insitutions</b>	<b>277.06</b>	<b>371.61</b>	<b>7.46</b>
(a) Public Institution	205.06	279.74	7.33
(b) Private Institution	72.00	91.87	7.84
<b>LMV-5: Private Tube Wells</b>	<b>744.48</b>	<b>2,847.49</b>	<b>2.61</b>
(a) Rural	127.30	1,679.48	0.76
(b) Urban	617.18	1,168.01	5.28
<b>LMV 6: Small and Medium Power</b>	<b>544.13</b>	<b>679.94</b>	<b>8.00</b>
<b>LMV-7: Public Water Works</b>	<b>229.80</b>	<b>317.87</b>	<b>7.23</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>385.96</b>	<b>620.56</b>	<b>6.22</b>
<b>LMV-9: Temporary Supply</b>	<b>15.06</b>	<b>13.13</b>	<b>11.47</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>16.98</b>	<b>90.70</b>	<b>1.87</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>263.53</b>	<b>325.84</b>	<b>8.09</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>1,735.79</b>	<b>2,533.05</b>	<b>6.85</b>
<b>HV-3: Railway Traction</b>	<b>189.21</b>	<b>241.13</b>	<b>7.85</b>
<b>HV-4: Lift Irrigation Works</b>	<b>109.57</b>	<b>155.65</b>	<b>7.04</b>
<b>Sub Total</b>	<b>7,152.17</b>	<b>14,592.56</b>	<b>4.90</b>
Bulk & Extra State	-	-	-
<b>AGRA DisCom</b>	<b>7,152.17</b>	<b>14,592.56</b>	<b>4.90</b>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द.वि.वि.नि.लि. आगरा

Name of Distribution Licensee: Dakshinanchal 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>2,969.97</b>	<b>8,128.20</b>	<b>3.65</b>
(a) Consumer getting supply as per "Rural Schedule"	1,479.78	5,382.69	2.75
(b) Supply at Single Point for Bulk Loads	114.47	209.46	5.47
(c) Other Metered Domestic Consumers	1,286.65	2,190.75	5.87
(d) Life Line Consumers	89.07	345.31	2.58
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>662.06</b>	<b>964.42</b>	<b>6.86</b>
(a)Non-Domestic(Rural)	110.32	343.45	3.21
(b)Private Advertisements/Sign Boards/Glow Signs/Flex	48.09	34.35	14.00
(c)Non-Domestic (Urban Metered)	503.65	586.62	8.59
<b>LMV-3: Public Lamps</b>	<b>96.97</b>	<b>154.65</b>	<b>6.27</b>
<b>LMV-4: Insitutions</b>	<b>301.38</b>	<b>405.57</b>	<b>7.43</b>
(a) Public Institution	226.31	309.49	7.31
(b) Private Institution	75.07	96.08	7.81
<b>LMV-5: Private Tube Wells</b>	<b>782.26</b>	<b>2,924.33</b>	<b>2.68</b>
(a) Rural	128.05	1,686.24	0.76
(b) Urban	654.22	1,238.09	5.28
<b>LMV 6: Small and Medium Power</b>	<b>586.39</b>	<b>733.01</b>	<b>8.00</b>
<b>LMV-7: Public Wafer Works</b>	<b>252.27</b>	<b>349.28</b>	<b>7.22</b>
<b>LMV-8: State Tubewells &amp; Pumped Canals</b>	<b>401.63</b>	<b>645.07</b>	<b>6.23</b>
<b>LMV-9: Temporary Supply</b>	<b>17.97</b>	<b>15.55</b>	<b>11.56</b>
<b>LMV-10: Deptt. Empl. &amp; Pensioners</b>	<b>18.38</b>	<b>98.54</b>	<b>1.87</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>280.65</b>	<b>346.87</b>	<b>8.09</b>
<b>HV-2: Large &amp; Heavy Power</b>	<b>1,916.70</b>	<b>2,803.83</b>	<b>6.84</b>
<b>HV-3: Railway Traction</b>	<b>198.67</b>	<b>253.19</b>	<b>7.85</b>
<b>HV-4: Lift Irrigation Works</b>	<b>114.47</b>	<b>162.68</b>	<b>7.04</b>
<b>Sub Total</b>	<b>8,599.77</b>	<b>17,985.18</b>	<b>4.78</b>
Bulk & Extra State	-	-	-
<b>AGRA DisCom</b>	<b>8,599.77</b>	<b>17,985.18</b>	<b>4.78</b>

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणविद्युत निगम, आगरा

Name of Distribution Licensee - Dakshinanchal Vidut 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 3 years	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>4,811.07</b>	<b>4,351.92</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'											



(प्रमोद कुमार)  
 (वाणिज्य)  
 वित्तशासी अभियन्ता (वाणिज्य)  
 वित्तविभागाधिकारी, आगरा

Name of Distribution Licensee - Dakshinanchal Vidvut Vitran Nigam Limited

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

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 3 years	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>	4,539.97	7,152.17	6,079.34	5,612.80							
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'											



(प्रमोद कुमार)  
अधिसासी अभियन्ता (वाणिज्य)  
दक्षिणचल विद्युत निगम लि. आगरा

Name of Distribution Licensee - Dakshinanchal Vidyut Vitran Nigam Limited					
T&D Losses in LT and HT system				Form No: P2	
	S.No	Particulars	PY	CY	EY
			Actual	Estimated	Projection
<b>A</b>	<b>System Losses At 33 KV</b>				
	1	Energy received into the system	17,566.98	19,323.68	21,256.04
	2	Energy sold at this voltage level	554.00	613.00	705.00
	3	Energy transmitted to the next (lower) voltage level	16,512.96	18,164.26	19,980.68
	4	Energy Lost	500.02	546.42	570.36
	5	<b>Total Loss in the system (4/1)*100%</b>	2.85%	2.83%	2.68%
<b>B</b>	<b>Losses At 11 KV</b>				
	1	Energy received into the system	16,512.96	18,164.26	19,980.68
	2	Energy sold at this voltage level	3,137.46	3,451.21	3,796.33
	3	Energy transmitted to the next (lower) voltage level	13,375.50	14,713.05	16,184.35
	4	Energy Lost	1,155.91	1,271.50	1,398.65
	5	<b>Total Loss in the system (4/1)*100%</b>	7.00%	7.00%	7.00%
<b>C</b>	<b>LT System Losses</b>				
	1	Energy received into the system	13,375.50	14,713.05	16,184.35
	2	Energy sold at this voltage level	7,757.79	9,342.78	11,329.05
	3	Energy Lost	5,617.71	5,370.26	4,855.31
	4	<b>Total Loss in the system (3/1)*100%</b>	42.00%	36.50%	30.00%
<b>D</b>	<b>Overall Losses</b>				
	1	Energy In (A1)	17,566.98	19,323.68	21,256.04
	2	Energy Out (A2+B2+C2+D2)	11,449.25	13,406.99	15,830.38
	3	<b>Total T&amp;D Loss ((1-2)/1)*100%</b>	34.83	30.62	25.53



(प्रमोद कुमार)  
अधिशाली अभियन्ता (वाणिज्य)  
द०वि०वि०नि०लि०, आगरा

Name of Distribution Licensee - Dakshinanchal Vidyut Vitran Nigam Limited  
Consumer Complaint

Form No: P3

SL.NO.	TYPE OF COMPLAINT	NO. OF COMPLAINTS RECEIVED DURING			
		Ist.Six months of previous year	2nd.Six months of previous year	Ist.Six months of current year	2nd Six months of current year
1	<b>Interruption due to problem in LT supply</b> (Fuse off call at aerial cutouts/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)	8353	7203	8551	7431
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 noting )	12629	15720	13816	14213
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	17890	18409	19115	18511
4	<b>Any other</b>				



(प्रमोद कुमार)  
अधिसायी अभियन्ता (वाणिज्य)  
दक्षिणचाल विद्युत निगम, आगरा



Name of Distribution Licensee - Dakshinanehal Vidyut Vitran Nigam Limited  
 Transformer and line length details  
 Form No: P5

S.No.	Details	PY		CY		FY		Remark
		Unit	Qty	Unit	Qty.	Unit	Qty.	
I	Number of Sub-Station 33/11 KV	Nos.	667	No.	692	Nos.		
II	Number of Sub-Station 11/0.4 KV	Nos.	160349	No.	171281	Nos.		
III	Transformation Capacity							
	33/11 KV Transformers	MVA	6648.5	MVA	6783.5	MVA		
	11/0.4 KV Transformers	MVA	5648	MVA	7416	KVA		
IV	No. of Transformers							
	33/11 KV	Nos.	1124	No.	1151	Nos.		
	11/0.4 KV	Nos.	160349	No.	171281	Nos.		
V	Number of Feeders							
	33 KV	Nos.	469	No.	474	Nos.		
	11 KV	Nos.	2514	No.	2589	Nos.		
	0.4 KV	Nos.	-	No.	-	Nos.		
VI	Line Length							
	33 KV	Km.	13636	Km.	14197	Km.		
	11 KV	Km.	102793	Km.	108841	Km.		
	0.4 KV	Km.	181799	Km.	212978	Km.		
VII	Capacitor Banks installed (Capacity in MVA)	MVA	67.9	MVA	79.4	MVA		

  
 (प्रमोद कुमार)  
 विद्युत वितरण निगम लि. का  
 सहायक निदेशक (विद्युत)



Name of Distribution Licensee - Dakshinanchal Vidyut Vitran Nigam Limited

Failure of Transformers

Form No. P7

S.No.	Particulars	Previous Year		Current Year		Reasons for Failure & Corrective Actions proposed to minimise
		Total Numbers of Transformers	Transformers damaged	Total Numbers of Transformers	Transformers damaged	
1	Power Transformer (HT)					
	Rating					
	i. 3 MVA	132	12	132	9	6.82
	ii. 5 MVA	673	60	700	33	4.71
	iii. 8 MVA	149	12	149	11	7.38
	iv. 10 MVA	170	4	170	12	7.06
2	Distribution Transformers					
	Rating					
	i. 10 KVA	27843	4639	30710	2922	9.51
	ii. 16 KVA	7739	887	7881	597	7.58
	iii. 25 KVA	83945	12038	90443	7925	8.76
	iv. 63 KVA	25227	7540	26029	4404	16.92
	v. 100 KVA	8349	3395	8822	2174	24.64
	vi. 160 KVA	1213	187	1221	108	8.85
	vii. 250 KVA	3642	1202	3740	790	21.12
	viii. 400 KVA	2004	942	2081	660	31.72
	ix. 500 KVA	2	2	2	1	50.00
	x. 630 KVA	310	103	315	83	26.35
	xi. 1000 KVA	35	13	37	10	27.03

  
 (कोष प्रमुख) (राजिस्टर) (असल)  
 सहायक निदेशक, वित्त विभाग  
 राष्ट्रीय विद्युत निगम, दिल्ली

Name of Distribution Licensee - Dakshinanchal Vidyut Vitran Nigam Limited		
Billing Details - Periodicity as per regulations		Form No. P8
Sl.No.	Consumers Category	Billing Cycle
1	LMV -1	70% Bi - Monthly and rest Monthly through handheld & spot Billing
2	LMV -2	MONTHILY
3	LMV -3	MONTHILY
4	LMV -4a, 4b	MONTHILY
5	LMV -5	MONTHILY
6	LMV -6	MONTHILY
7	LMV -7	MONTHILY
8	LMV -8	MONTHILY
9	LMV -9	MONTHILY
10	LMV -10	MONTHILY
11	HV-2	MONTHILY
12	HV-3	MONTHILY
13	HV-4	MONTHILY



(प्रमोद कुमार)  
अधिशाली अभियन्ता (वाणिज्य)  
द०वि०वि०नि०लि०, आगरा

Name of Distribution Licensee - Dakshinanchal Vidyut Vitran Nigam Limited

Electrical Accidents

Form No: P9

Sl.No	Particulars Feeder & S/S details	Previous Year						Current Year						Corrective Measures Proposed In The Ensuing Year to Avoid Accidents
		Fatal		Non-Fatal		Total	Fatal		Non-Fatal		Total			
		Human	Animal	Human	Animal		Human	Animal	Human	Animal				
A	HV Agra Zone	175	44	-	302	42	12	2	81					
	I Kanpur Zone	108	22	2	175	23	11	2	55					
	ii Jhansi Zone	81	36	-	157	20	7	10	49					
	iii Aligarh Zone	76	16	-	115	15	1	-	19					
B	LV Banda Zone	66	8	-	94	14	-	-	18					
	i													
	ii													
	iii													
	<b>Total</b>	506	126	2	843	114	31	14	222					



(प्रमोद कुमार)  
अभिषेक अश्वत्थ (वर्षाज्य)  
दक्षिणचालीय विद्युत् वितरण निगम लि. वाराणसी

Sl.No.	Actual 2006-07	Actual 2007-08	2008-09 Provisional	2009-10 Provisional	2010-11 Provisional	2011-12 Estimates	2012-13 Projections	2013-14 Projections	2013-14 Projections
1 Peak Period									
a) Winter	Dec to Jan	Dec to Jan	Dec to Jan	Dec to Jan	Dec to Jan	Dec to Jan	Dec to Jan	Dec to Jan	Dec to Jan
b) Summer	Apr to Sep	Apr to Sep	Apr to Sep	Apr to Sep	Apr to Sep	Apr to Sep	Apr to Sep	Apr to Sep	Apr to Sep
c) Other									
2 Maximum Peak Demand									
a) Restricted									
b) Unrestricted									
3 Peak Availability Assessed									
4 Shortfall in meeting Peak Demand									
a) Restricted									
b) Unrestricted									

Licensee does not maintain the detail as per the requirement of the format. Waival for submission of this format is requested by the Licensee

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.

  
(प्रमोद कुमार) (वाणिज्य)  
अधिसारी अभियन्ता (वाणिज्य)  
दक्षिणचलविद्युत निगम लि. आगरा

S. No	Particulars	PY	CY
		Actual	Estimated
<b>A Financial &amp; Material Management</b>			
1	Annual capital expenditure/net book value		
2	Distribution cost/Energy sales across consumer categories		
3	Employee cost as a percentage of total cost		
4	Operating expenses / Revenue from Sale of power		
5	Cost of capital		
6	Debt Service Coverage Ratio		
7	Stores Inventory/1000 Km of distribution lines		
9	Working Capital to Revenue from Sale of power		
<b>B HR Management</b>			
1	No. of consumers per employee	441	472
2	Energy Sales (MU) per Employee	2	3
3	Network Length (Km.) per Employee	54	63
4	Connected Load (MVA) per Employee	1,255	1,322
5	Tariff Income per Employee	-	-
6	Training participation days per employee	-	-
7	Employee cost per unit of retail sales	-	-
<b>C Metering, Billing and Collection</b>			
1	Number of Meters per Meter Reader		
	a) Urban	1,500	1,550
	b) Rural	1,200	1,250
2	Number of meter readings done per meter reader per month		
	a) Urban	1,500	1,550
	b) Rural	1,200	1,250
3	Meters defective & damaged / Meters in service		
4	Average level of customer arrears (days/ customer)		
5	Amount (%) involved in customer litigation cases		
6	Number (%) involved in customer litigation cases		
7	Number of computerized bills/Number of manual bills		
<b>D Operational Performance</b>			
1	Unplanned outage/total outage (Fault breakdown / total outage)		
2	Annual replacement rate of Distribution transformers (%): (Distribution Transformers replaced / Transformers in service)		
3	Reliability Indices		
	i) System Average Interruption Frequency Index (SAIFI) *		
	ii) Average Interruption Duration Index (SAIDI)		
	iii) Momentary Average Interruption Frequency Index (MAIFI)		
<b>E Consumer Services</b>			
1	No. of complaint received per year to total number of consumers (%)		
2	Ratio of staff attending complaints per thousand consumers (Skilled /Unskilled staff separately identified)		

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 दक्षिणविद्युतनिलय, आगरा

Name of Distribution Licensee - Dakshinanchal 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 restr.	Cost of Debt after restr.	Interest Burden after restr.	Benefit (2-4)
		1	2	3	4	5
I						
1	LIC					
2	REC					
3	PFC					
4	Bonds					
5	Bank/FIIs					
6	APDRP					
7	Any Other			Not Applicable		
	Total of I					
II	Interest on Working Capital Loans Or Short Term Loans					
1						
2						
3						



(प्रमोद कुमार)  
अधिकासी अभियन्ता (वाणिज्य)  
दक्षिणविद्युतनियंत्रण, आगरा

Name of Distribution Licensee - Dakshinanchal Vidyut Vitran Nigam Limited								
Release of New service Connections							Form No: P13	
Period	Pre-PY		PY		CY		Action	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	15110	61	12670	53				
May	16217	55	12531	71				
June	17805	49	12072	77				
July	17910	47	12895	70				
August	18320	53	13229	74				
September	18210	48	13112	63				
October	19112	50	13203	66				
November	18420	55	13102	74				
December	17857	57	13666	68				
January	19550	60	13061	65				
February	17662	62	12652	67				
March	20495	70	15878	55				
<b>Total</b>	<b>216668</b>	<b>667</b>	<b>158071</b>	<b>803</b>				

  
 (प्रमोद कुमार)  
 अधिशासी अभियन्ता (वाणिज्य)  
 द0वि0वि0निलि0, आगरा

## **Annexure- 2**

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

**DAKSHINANCHAL  
VIDYUT VITRAN NIGAM LIMITED**

**BALANCE SHEET  
AS AT  
31.03.2013**

**&**

**STATEMENT OF PROFIT AND LOSS  
FOR THE PERIOD FROM  
01.04.2012  
TO  
31.03.2013**

**REGISTERED OFFICE  
URJA BHAWAN, 220KV SUB STATION, AGRA**

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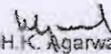
SI No.	Particulars
1	Balance Sheet
2	Statement of Profit and Loss
3	Note (BS/01 to BS/16 & PL/01 to PL/08)
4	Significant Accounting Policies
5	Notes on Accounts
6	Balance Sheet abstract and Nigam's General Business Profile
7	Cash Flow

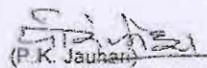
**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

**BALANCE SHEET AS AT 31.03.2013**

(Rs. in Lacs)

PARTICULARS	NOTE NO.	AS AT 31.03.2013	AS AT 31.03.2012
<b>A EQUITY AND LIABILITIES</b>			
<b>1. Shareholder's funds</b>			
Share Capital	BS/01	194637.74	37006.90
Reserves and Surplus	BS/02	(1270025.77)	(945864.63)
<b>2. Share Application Money pending for allotment</b>			
Share Application Money pending for allotment	BS/03	112068.75	225187.13
<b>Non-Current Liabilities</b>			
Long Term Borrowings	BS/04	1027493.35	111862.53
Deffered Tax Liabilities (Net)		-	-
Other Long-Term Liabilities		-	-
Other Long-Term Provisions		-	-
<b>Current Liabilities</b>			
Short Term Borrowings		-	-
Trade Payables	BS/05	575226.84	1185137.78
Other Current Liabilities	BS/06	335276.83	201711.22
Short Term Provisions	BS/07	3893.20	2119.56
<b>Total</b>		<b>978572.94</b>	<b>818160.49</b>
<b>B Assets</b>			
<b>1 Non-Current Assets</b>			
<b>Fixed Assets</b>			
Tangible Assets	BS/08	306417.68	286820.65
Intangible Assets	BS/09	1896.03	1597.70
Capital Work in Progress	BS/10	57929.08	57319.85
Intangible Assets under Development		-	-
Non-Current Investment		-	-
Deffered Tax Assets (Net)		-	-
Other Non-Current Assets	BS/11	930.29	549.66
<b>Net Block</b>		<b>367173.06</b>	<b>346288.16</b>
Long Term Loans and Advances	BS/12	1004.62	928.53
<b>2 Current Assets</b>			
<b>Inventories</b>			
Stores & Spares	BS/13	71918.80	64020.48
Trade Receivables	BS/14	408082.17	314090.50
Cash & Cash Equivalents	BS/15	59837.58	36859.17
Other Current Assets	BS/16	70556.70	55973.36
<b>Significant Accounting Policies</b>			
Notes on Accounts	PL/09		
Note BS/01 to BS/16 and PL/01 to PL/09 and Accounting Policies form integral part of Accounts			
<b>Total</b>		<b>978572.94</b>	<b>818160.49</b>

  
(H.K. Agarwal)  
Company Secretary  
(In Part Time)

  
(P.K. Jauhari)  
General Manager (FA & A)

  
(Saroj Kumar Mishra)  
Director (Finance)

  
(Prabhu N. Singh)  
Managing Director

Date : 28.1.2014  
Place : Agra

Subject to our Audit Report of even date separately annexed  
For M/S KASTOOR JAIN & COMPANY  
CHARTERED ACCOUNTANTS

  
(K.C. Jain)  
Partner  
Membership No.: 076348



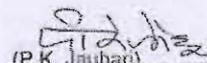
**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

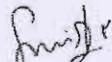
**STATEMENT OF PROFIT AND LOSS FOR THE YEAR ENDED ON 31.03.2013**

(Rs. in Lacs)

PARTICULARS	NOTE NO	For the year ended on 31.03.13	For the year ended on 31.03.12
<b>INCOME</b>			
Revenue from Operations	PL/01	402890.65	350213.65
Less : Electricity Duty		13567.12	389313.53
Energy Internally Consumed		3932.17	6805.77
Other Income	PL/02	131199.34	2447.51
<b>Total</b>		<b>524445.04</b>	<b>416673.92</b>
<b>EXPENDITURE</b>			
Cost of Materials Consumed			
Purchase of Power	PL/03	625654.23	606750.52
Transmission Charges		30156.19	655810.42
Employees Cost	PL/04	18219.30	20225.01
Finance Cost	PL/05	138680.16	826975.53
Operations and other Expenses	PL/06	36524.13	14229.35
Depreciation	PL/07	20922.59	138680.16
Amortization of services line contributions & Grants etc		4380.55	16252.20
<b>Total</b>		<b>865776.05</b>	<b>700300.16</b>
PROFIT/ (LOSS) Before Prior Period & Exceptional Item		(341331.01)	(283626.24)
Net Prior Period Income/(Expenditure)	PL/08	4924.98	(362.20)
Exceptional Items			
Net PROFIT/(Loss)		(336406.03)	(283988.44)
Extra Ordinary Items			
Profit Before Tax		(336406.03)	(283988.44)
Tax Expenses			
Accumulated loss brought forward		(1029809.97)	(745821.53)
Accumulated Profit/(Loss) Carried Over to Reserve & Surplus Note BS/02		(1366216.00)	(1029809.97)
Notes on Accounts	PL/09		
Earning / (Loss) per share		(0.02)	(0.06)

  
(H.K. Agarwal)  
Company Secretary  
(In Part Time)

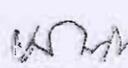
  
(P.K. Jauhari)  
General Manager (FA & A)

  
(Saroj Kumar Mishra)  
Director (Finance)

  
(Prabhu N. Singh)  
Managing Director

Date : 28.1.2014  
Place : Agra

Subject to our Audit Report of even date separately annexed  
For M/S KASTOOR JAIN & COMPANY  
CHARTERED ACCOUNTANTS

  
(K.C. Jain)  
Partner  
Membership No. : 018548



**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/01

**SHARE CAPITAL**

(Ps. in Lacs)

PARTICULARS	AS AT 31.03.2013		AS AT 31.03.2012	
	No. of Shares	Amount	No. of Shares	Amount
<b>A. AUTHORISED</b> 40000000 Equity Shares of Rs 1000/- each	40000000	400000.00	40000000	400000.00
<b>B. ISSUED SUBSCRIBED AND PAID UP</b>				
i) Equity Shares of Rs1000/- each fully paid up allotted to UPPCL for consideration other than cash pursuant to DISCOMS Transfer Scheme, 2003	19463274	194632.74	3700160	37001.90
ii) Equity Shares of Rs 1000/- each fully paid up allotted to Promoters	500	5.00	500	5.00
Total		194637.74		37006.90

Note:- The Company has only one class of equity shares having a per value Rs. 1000/- per share.

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DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

Reconciliation of the number of shares and amount outstanding at the beginning and at the end of the reporting period:

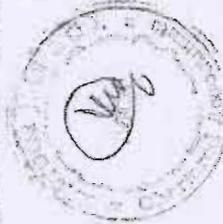
Particulars	Opening Balance	Fresh issue	Bonus	ESOP	Conversion	Buy back	Closing Balance
Issued, Subscribed & Paid-up Equity shares fully paid up							
Year ended 31 March, 2012	3,700,690	-	-	-	-	-	3,700,690
- Number of shares	37,006.90	-	-	-	-	-	37,006.90
- Amount (In lakhs)							
Equity shares fully paid up							
Year ended 31 March, 2013	3,700,690	15,763,084	-	-	-	-	19,463,774
- Number of shares	37006.90	157630.84	-	-	-	-	194637.74
- Amount (In lakhs)							

by

Signature

87

X



**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

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

Particulars	Equity shares with UPPCL	
	Number of shares	
As at 31 March, 2013		
UPPCL, the holding company	19463274	
As at 31 March, 2012		
UPPCL, the holding company	3700190	

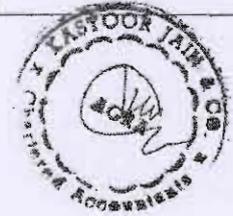
Details of shares held by each shareholder holding more than 5% shares:

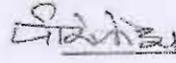
Class of shares / Name of shareholder	As at 31 March, 2013		As at 31 March, 2012	
	Number of shares held	% holding in that class of shares	Number of shares held	% holding in that class of shares
Equity shares with UPPCL				
UPPCL	19463274	99.99	3700190	99.99

The Company has only one class of equity shares having per value of Rs. 1000/- per share.

The shares allotted during 5 years immediately preceeding the Balance Sheet date are:-

1. 238290 fully paid Equity shares of Rs. 1000 each were allotted upto the F.Y 2011-12.
2. 15763084 fully paid Equity shares of Rs. 1000 each were allotted in the year 2012-13.





**DAKSHINACHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/02

RESERVES AND SURPLUS

(Rs. in Lacs)

PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
<b>A CAPITAL RESERVE</b>		
i) Consumers Contribution towards Service Line and Other Charges		
Opening Balance	66422.50	56265.92
Add: Additions during the year	16150.74	11190.22
Less: Deductions/Adjustments during the year	3538.65	3033.64
<b>Closing Balance</b>	<b>79034.59</b>	<b>66422.50</b>
ii) Subsidy towards Cost of Capital Assets		
Opening Balance	17405.97	17151.05
Add: Additions during the year	474.70	
Less: Deductions/Adjustments during the year	841.90	254.92
<b>Closing Balance</b>	<b>17038.77</b>	<b>17405.97</b>
iii) Re-Structuring Account		
Opening Balance	116.87	116.87
Add: Additions during the year	0.00	0.00
Less: Deductions/Adjustments during the year	0.00	0.00
<b>Closing Balance</b>	<b>116.87</b>	<b>116.87</b>
<b>Sub Total (i+ii+iii)</b>	<b>96190.23</b>	<b>83945.34</b>
<b>B Surplus in Statement of P &amp; L Account</b>		
Opening Balance	(1029809.97)	(745821.59)
Add: Profit/(Loss) for the year	(338406.03)	(263955.44)
<b>Closing Balance</b>	<b>(1366216.00)</b>	<b>(1029809.97)</b>
<b>Total (A+B)</b>	<b>(1270025.77)</b>	<b>(945864.63)</b>

Note : Amortisation has been done on the subsidy towards cost of Capital Assets.

NOTE-BS/03

SHARE APPLICATION MONEY

(Rs. in Lacs)

PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
<b>SHARE APPLICATION MONEY</b>		
Pending for allotment to UPPCL	112068.75	225187.13
<b>Total</b>	<b>112068.75</b>	<b>225187.13</b>

**Reconciliation of Share Application Money**

Share Application Money as on 31.03.2012	Received during the year	Allotted during the year	Share Application Money as on 31.03.2013
225187.13	44512.46	157630.84	112068.75

Note:- Number of share proposed to be issued : 11206875

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**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/04

**LONG TERM BORROWINGS**

(Rs. in Lacs)

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
<b>A. SECURED LOAN:</b>				
<b>TERM LOANS</b>				
(i) Power Finance Corporation Ltd. (Secured against hypothecation of lines & substations etc under APDRP Scheme and against receivables of specified receipt accounts through escrow arrangements)	32345.82	25384.73	2172.91	2172.91
(ii) Rural Electrification Corporation Ltd. (Secured against hypothecation of current assets, hypothecation of assets to be created under APDRP Scheme and against receivables of specified receipt accounts through escrow arrangements)	34450.88	30427.16	1318.95	1318.95
(iii) REC (Working Capital Loan) (Secured against charge on current assets and receivables of specified receipt accounts through escrow arrangement)	1594.47	11391.44	9696.97	26987.34
Sub total - ( A )	68491.17	67203.33	13188.83	32479.2
<b>B. UNSECURED LOAN:</b>				
<b>TERM LOANS :</b>				
(i) Govt. of U.P. (T/Scheme)	250.00	250.00	0.00	0.00
Govt. of U.P. (APDRP)	4185.55	4171.56	387.30	401.30
Govt. of U.P. (World Bank)	3748.65	3747.20	284.06	285.51
(ii) <b>FINANCIAL INSTITUTIONS</b>				
REC (T/Scheme) ( Guaranteed by Govt. of UP )	14904.31	15719.55	919.85	938.93
PFC (T/Scheme) ( Guaranteed by Govt. of UP )	370.83	371.09	0.00	178.59
(iii) <b>MISCELLANEOUS INSTITUTIONS</b>				
Hudco Loans	22496.50	20399.19	8029.00	5638.12
U.P.State Industrial Development Corporation Ltd.	0.54	0.54	0.00	0.00
Housing Development Finance Corporation Ltd.	0.07	0.07	0.00	0.00
(iv) <b>FRP LOANS (Transferred by Holding Co.)</b>				
Bank Loans	765808.59	0.00	0.00	0.00
REC	43500.00	0.00	0.00	0.00
PFC	91251.14	0.00	0.00	0.00
NOIDA	8324.00	0.00	0.00	0.00
Mandi Parishad	4162.00	0.00	0.00	0.00
Sub total - ( B )	959002.18	44659.20	9629.20	7743.42
<b>Total (A) + (B)</b>	<b>1027493.35</b>	<b>111862.53</b>	<b>22809.03</b>	<b>40222.62</b>

Note:- 1. Loan amounting to Rs. Hudco 94,18,20,000.00 & FRP Loans Rs. 9130,45,73,231.00 Total Rs. 9224,63,93,231.00 was transferred by Holding Company UPPCL to DVVNL, in which all the terms of sanction, ROI, tenure, purpose etc are with UPPCL and no informations are with DVVNL.

2. In Re-payment of loan of REC STL & interest payment were in default in the month of Nov. 2012 and Dec. 2012 and further regularised in the month of Jan-2013.

3. The Loan of Rs.4635.00 lacs Has been sanctioned for SCADA/DMS from PFC @ of 11.50% p.a against which disbursement of Rs.1101.90 lacs has been disbursed during the FY 2012-13 balance shall be disbursed in the coming years as per progress.

4. The Loan of Rs.12905.00 lacs Has been sanctioned for SCADA/DMS from PFC @ of 11.50% p.a against which disbursement of Rs.1743.50 lacs has been disbursed during the F.Y. 2012-13 balance shall be disbursed in the coming years as per progress.

5. The Loan of Rs.40185.60 lacs Has been sanctioned as term loan from REC @ of 11.00% p.a against which disbursement of Rs. Nil has been disbursed during the F.Y. 2012-13 balance shall be disbursed in the coming years as per progress.








DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/05

TRADE PAYABLES

	(Rs. In Lacs)	
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
Liability for Purchase of Power <u>(Uttar Pradesh Power Corporation Ltd.)</u>	451206.77	1094125.65
Liability for Transmission Charges <u>(Uttar Pradesh Power Transmission Corporation Ltd.)</u>	63338.86	33130.11
<u>Other Payables</u>		
Liability for Capital Supplies/ Works	60681.21	58881.82
<b>Total</b>	<b>575226.84</b>	<b>1186137.78</b>

NOTE-BS/06

OTHER CURRENT LIABILITIES

	(Rs. In Lacs)	
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
Current Maturities of Long Term Borrowings	22809.03	40222.62
<u>Interest Accrued</u>		
Interest accrued but not due on Borrowings	29550.11	2380.67
Sundry Liabilities	30605.15	30584.50
Staff Related Liabilities	10085.89	10158.74
Deposits and Retentions from Suppliers & Others	5131.28	4742.70
Electricity Duty and Other Levies payable to Govt.	18770.73	11530.69
Provision for License Fee	0.00	207.29
Deposits for Electrification Works	5028.29	5440.75
<u>Liabilities towards UP Power Sector Employees Trust</u>		
Provident Fund Liabilities	24572.64	22341.40
<u>Amount Payable to :</u>		
U P Power Corporation Limited	144719.50	38738.58
KESCO	669.12	66.16
Madhyanchal Vidyut Vitran Nigam Ltd.	7670.46	4494.67
	<u>153059.08</u>	<u>4494.67</u>
Security Deposits from Consumers	31343.37	27627.01
Add : Interest on Security Deposits from Consumers	4023.68	2730.48
	<u>35367.05</u>	<u>30357.49</u>
Liabilities for Expenses	280.76	428.38
Liabilities for Audit Fees Expenses (Net)	18.82	15.56
<b>Total</b>	<b>335278.83</b>	<b>201711.22</b>

NOTE-BS/07

SHORT TERM PROVISIONS

	(Rs. In Lacs)	
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
<u>PROVISION FOR EMPLOYEES BENEFITS</u>		
Pension & Gratuity	3787.25	2013.61
<u>OTHER PROVISIONS</u>		
Provision for Fringe Benefits Tax	105.96	105.95
<b>Total</b>	<b>3893.20</b>	<b>2119.56</b>

Note :- FBT amounting to Rs.10595176.00 pertain from 2008-07 to 2008-09.



DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/08

TANGIBLE ASSETS

PARTICULARS	GROSS BLOCK				DEPRECIATION				NET BLOCK	
	As At 01.04.12		As at 31.03.13		As At 01.04.12		As at 31.03.13		As at 31.03.13	As at 31.03.12
	Additions	Deductions	Additions	Deductions	Additions	Deductions	Additions	Deductions		
Land & Land Rights	34.38	0.00	34.38	0.00	0.00	0.00	0.00	0.00	34.38	34.38
Buildings	5150.27	630.96	5781.23	216.73	89.09	0.00	305.82	0.00	5475.41	4933.54
Plant & Machinery	66562.17	48439.68	78986.54	36035.31	-17724.80	3503.81	5376.73	-19597.72	98564.26	86288.97
Lines, Cables, Net work etc.	202002.14	27276.40	225544.55	3733.99	28183.67	10184.24	386.36	37951.55	187593.00	175818.47
Furniture & Fixtures	128.89	175.54	304.43	0.00	26.20	13.71	0.00	39.91	264.52	102.69
Office Equipments	50.68	3.24	53.92	0.00	27.72	8.48	0.00	36.20	17.72	22.96
Jeep & Motor Car	-15.57	0.00	-15.57	0.00	-16.17	0.00	0.00	-16.17	0.60	0.60
<b>Total</b>	<b>275912.96</b>	<b>74525.82</b>	<b>310669.48</b>	<b>39769.30</b>	<b>10713.35</b>	<b>13769.33</b>	<b>5763.09</b>	<b>18719.59</b>	<b>291949.89</b>	<b>265199.61</b>
Fixed Assets as per Transfer Scheme	150596.00	0.00	150596.00	0.00	128973.95	7153.26	0.00	136127.21	14467.79	21621.04
<b>Grand Total</b>	<b>426507.96</b>	<b>74525.82</b>	<b>461264.48</b>	<b>39769.30</b>	<b>139687.30</b>	<b>20922.59</b>	<b>5763.09</b>	<b>154846.80</b>	<b>308417.68</b>	<b>286820.65</b>

Note: Deductions/Adjustment made during the year under Gross Block & Depreciation represents Plant & Machinery and Lines & Cables which were written off during the year.

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**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/09

**INTANGIBLE ASSETS**

(Rs. In Lacs)		
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
Theft of Fixed Assets	1896.03	1597.70
<b>Total</b>	<b>1896.03</b>	<b>1597.70</b>

NOTE-BS/10

**CAPITAL WORKS IN PROGRESS**

(Rs. In Lacs)		
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
Capital Works in Progress *	57929.06	57319.85
<b>Total</b>	<b>57929.06</b>	<b>57319.85</b>

Note:

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

NOTE-BS/11

**OTHER NON-CURRENT ASSETS**

(Amount in Rs.)		
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
Other Recoverables	930.29	549.96
<b>Total</b>	<b>930.29</b>	<b>549.96</b>

Note:- The above amount pertain to Misc. Advance (Cash & Material shortages) against employees.

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DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/12

LONG TERM LOANS AND ADVANCES

(Rs. In Laos)		
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
<b>ADVANCES (Unsecured)</b>		
Suppliers/ Contractors	892.74	918.81
Tax Deducted at Source	6.20	4.04
Fringe Benefit Tax	105.68	105.68
<b>Total</b>	<b>1004.62</b>	<b>928.53</b>

NOTE-BS/13

INVENTORIES

(Rs. In Laos)		
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
<b>STORES &amp; SPARES</b>		
Stock of materials *	72733.80	64835.48
Less : Provision for Obsolete Stores	815.00	815.00
<b>Total</b>	<b>71918.80</b>	<b>64020.48</b>

\* Include material issued to fabricators, obsolete material, scrap, transformers sent for repair and store excess/shortage pending for investigation.

Note :- The provision for unserviceable/obsolete material has not been made since sufficient provisions already exist in the Transfer Scheme.

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**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/14

**TRADE RECEIVABLES**

	(Rs. in Lacs)	
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
<b>Trade receivables outstanding from Customers</b>		
<b>For a Period More than six months:</b>		
Secured & Considered good*	31925.51	28268.53
Unsecured & Considered good	326795.82	276938.10
Doubtful	174167.55	171336.10
Less: Provision for Doubtful trade receivables	174167.55	171338.10
	358721.33	368208.63
<b>Trade receivables outstanding from Customers</b>		
<b>For a Period Less than six months:</b>		
Secured & Considered good*	3441.54	2088.95
Unsecured & Considered good	45919.30	6794.92
Doubtful	2597.94	480.46
Less: Provision for Doubtful trade receivables	2597.94	480.46
	48360.84	8683.87
	408082.17	314090.50

\* Secured against security deposit from consumers.

Note :- Age-wise classification of Sundry Debtors could not be given for want of age-wise details of receivables transferred under the Transfer Scheme, 2003.

NOTE-BS/15

**CASH AND CASH EQUIVALENTS**

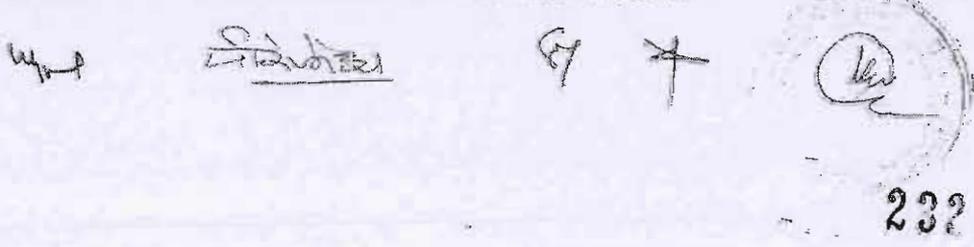
	(Rs. In Lacs)	
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
<b>CASH IN HAND</b>		
Cash in Hand (Including Imprest with Staff)	15582.05	9235.55
<b>Balances with Scheduled Banks</b>		
In Current and other Accounts	42531.49	26342.62
In Fixed Deposit Account	1724.05	1281.00
	59837.59	36859.17
<b>Total</b>	59837.59	36859.17

NOTE-BS/16

**OTHER CURRENT ASSETS**

	(Rs. In Lacs)	
PARTICULARS	AS AT 31.03.2013	AS AT 31.03.2012
Other receivables	348.35	172.32
<b>Receivables from</b>		
Poorvanchal Vidyut Vitran Nigam Limited	3308.91	3984.66
Paschimanchal Vidyut Vitran Nigam Limited	187.82	268.05
U.P. Rajya Vidyut Utpadan Nigam Limited	2.53	2.14
U.P. Power Transmission Corporation Limited	974.82	914.66
Inter Unit Transfers	65734.27	50991.60
	70596.78	55973.65
<b>Total</b>	70596.78	55973.65

Note :- Amount of Rs.32400000.00 included in other receivables received in Transfer Scheme in 12.08.2013.



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DAKSHINANCHAL VIDYUT VITRAN NIĞAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-PL/01

REVENUE FROM OPERATIONS

(Rs. In Lacs)

PARTICULARS	For the year ended on 31.03.13	For the year ended on 31.03.12
<u>Supply In Bulk</u>		
Torrent Power Ltd.	52466.75	44579.79
<u>Large Supply Consumers</u>		
Industrial	118845.47	97848.04
Traction	9784.36	8547.94
Irrigation	5425.38	4476.90
Public Water Works	7185.74	6722.70
<u>Small and Other Consumers</u>		
Domestic	77188.07	69926.51
Commercial	47797.57	42297.34
Industrial Low and Medium Voltage	29969.39	28469.40
Public Lighting	3317.26	3023.34
STW & Pump Canals	18575.89	17212.67
PTW & Sewage Pumping	19526.12	19441.26
Miscellaneous Charges from Consumers	3163.70	3310.50
Less : Energy Internally Consumed	3932.17	2447.51
Sub Total	389313.53	343407.88
Add : Electricity Duty	13567.12	8805.77
Total	402880.65	350213.65

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**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-PL/02

**OTHER INCOME**

(Rs. in Lacs)

PARTICULARS	For the year ended on 31.03.13	For the year ended on 31.03.12	
From U.P Govt.			
RE Subsidy from Govt. of U.P.	4083.00		6567.00
Revenue Subsidy from Govt. of U.P.	120115.00		58000.00
<u>Interest from :</u>			
Loans to Staff*	0.16		0.54
Banks (Other than on Fixed Deposit)	97.62		100.46
Fixed Deposits	113.31	211.09	173.82
Delayed Payment Charges from Consumers		5818.65	6982.14
Income from Contractors / Suppliers		645.29	706.41
Rental from Staff		3.37	6.60
Miscellaneous Receipts		322.94	191.57
<b>Total</b>	<b>131199.34</b>		<b>70818.53</b>

Note:- \*Pertains to loan amount advanced during the UPSEB and UPPCL period.

NOTE-PL/03

**TRADED GOODS (PURCHASE OF POWER)**

(Rs. in Lacs)

PARTICULARS	For the year ended on 31.03.13	For the year ended on 31.03.12	
<u>Power Purchased from :</u>			
Uttar Pradesh Power Corporation Limited	625654.23		606750.52
Wheeling Charges (UPPTCL)	30156.19		20225.01
<b>Total</b>	<b>655810.42</b>		<b>626975.53</b>

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DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-PL/04

EMPLOYEES COST

PARTICULARS	(Rs. In Lacs)	
	For the year ended on 31.03.13	For the year ended on 31.03.12
Salaries and Allowances	11698.58	12132.91
Dearness Allowance	7466.85	8362.55
Other Allowances	938.36	953.38
Bonus / Ex-gratia	146.45	114.02
Medical Expenses ( Re-imbusement )	299.62	789.55
Earned Leave Encashment	1104.68	892.47
Compensation	14.73	8.69
Staff Welfare Expenses	14.57	32.85
Pension and Gratuity	2825.67	2858.49
Other Terminal Benefits	432.18	368.40
<b>Sub Total</b>	<b>24941.69</b>	<b>23983.35</b>
Less - Expenses Capitalised	6722.39	9754.00
<b>Total</b>	<b>18219.30</b>	<b>14229.35</b>

Note :- Liability towards Medical Expenses, Leave Encashment and LTC have been provided to the extent established.

NOTE-PL/05

FINANCE COST

PARTICULARS	(Rs. In Lacs)	
	For the year ended on 31.03.13	For the year ended on 31.03.12
<u>Interest on Loans :</u>		
Govt. of U.P.	15974.32	1288.84
PFC	2059.52	74.36
REC	2952.54	1438.33
HUDCO	3938.75	2741.76
NCRPB	0.00	7.74
Bank Interest	101990.03	0.00
Mandi Parishad	23.28	0.00
<b>Interest to Consumers</b>	<b>3163.15</b>	<b>1913.59</b>
Bank Charges	18.89	5.62
Interest on Working Capital Loan	8556.83	8774.03
Guarantee Charges	4.87	7.51
<b>Total</b>	<b>138580.18</b>	<b>16252.23</b>

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**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-PL/06

**OPERATIONS & OTHER EXPENSES**

	(Rs. In Lacs)	
PARTICULARS	For the year ended on 31.03.13	For the year ended on 31.03.12
<b><u>REPAIRS &amp; MAINTENANCE</u></b>		
Plant & Machinery	13485.36	9330.88
Buildings	52.37	52.22
Lines, Cables, Networks etc.	12570.63	12124.85
Furniture and Fixtures	0.01	0.07
Office Equipments	1.93	0.28
<b><u>OTHER EXPENSES</u></b>		
Rent	37.49	16.10
Rates & Taxes	0.23	0.00
Insurance	31.67	19.66
Communication Charges	174.23	186.89
Legal Charges	167.95	182.56
<b><u>AUDITORS REMUNERATION &amp; EXPENSES</u></b>		
Audit Fees	4.51	3.40
Travelling Expenses	8.05	1.57
Consultancy Charges	48.65	44.19
Travelling & Conveyance	201.75	168.98
Printing & Stationery	150.65	151.70
Advertisement Expenses	83.43	34.99
Electricity Charges	3932.17	2447.51
Entertainment	0.00	0.08
License Fee	166.27	136.97
<b><u>MISCELLANEOUS EXPENSES</u></b>		
Honorariums	158.34	71.40
Internal Audit (Fee & TA)	50.74	19.98
Revenue Expenses	498.70	408.99
Other Miscellaneous	1710.98	1531.64
Compensation (Other than Staff)	105.43	126.10
<b><u>PROVISIONS</u></b>		
Bad and Doubtful Debts (Sale of Power)	4946.93	2722.16
Sub Total	38588.47	39802.97
Less - Expenses Capitalised	2064.34	1986.59
Total	36524.13	27816.38

Note :- The provision for bad & doubtful debts against revenue from sale of power has been made @ 5% on the incremental basis

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DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-PL/07

DEPRECIATION

	(Rs. in Lacs)	
PARTICULARS	For the year ended on 31.03.13	For the year ended on 31.03.12
Depreciation	20922.59	18928.35
Less : Equivalent amount of Depreciation on Assets acquired out of the Consumer's Contribution and GO UP's Capital Subsidy	4380.55	3901.65
	16542.04	15026.70

Note :- During the year, the depreciation has been provided as per Schedule-XIV of the Companies Act, 1956 on SLM basis

NOTE-PL/08

PRIOR PERIOD ITEMS

	(Rs. in Lacs)	
PARTICULARS	For the year ended on 31.03.13	For the year ended on 31.03.12
<b><u>Prior Period Income</u></b>		
Other Income	0.00	688.76
Revenue From Sale of Power	676.11	0.00
Interest and other Finance Charges	5238.51	445.81
	5914.62	1134.57
<b><u>Prior Period Expenditure</u></b>		
Employee Cost	514.86	347.76
Operating Expenditure	70.61	26.08
Other Expenses	242.28	0.00
Depreciation	0.00	1122.93
Ammortization	161.89	0.00
	989.64	1496.77
<b>Net - Income / (Expenditure)</b>	4924.98	(362.20)

Note :- The Income/(Expenditure) relates to previous financials years.

1. Amount of Rs.16189601/- is the reversal of excess ammortization in previous year.
2. Interest and other finance charges includes Rs.50.49 crore as interest reversed of previous years.
3. Revenue from sale of power of Rs.67610629/- is a adjustment of old arrears of DVVNL and revision of TIRN rates of previous years.

myt
D. K. Singh
G. X



5. REVENUE / EXPENDITURE RECOGNITION

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

6. POWER PURCHASE

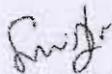
- (a) The bulk power purchases from Uttar Pradesh Power Corporation Ltd., the Holding Company is accounted for on the basis of bills raised by them.
- (b) Transmission charges are accounted for on the basis of bills raised by U.P. Power Transmission Corporation Ltd. (UPPTCL)

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) Leave encashment and post retirement medical benefits are accounted for on the basis of claims received and approved during the year.

  
(H.K. Agarwal)  
Company Secretary  
(In Part Time)

  
(P.K. Jaiswal)  
General Manager (FA&A)

  
(Saroj Kumar Mishra)  
Director (Finance)

  
(Prabhu N. Singh)  
Managing Director



**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
**NOTES NO. PL/09**

**NOTES ON ACCOUNTS ANNEXED TO AND FORMING PART OF BALANCE SHEET AS AT 31.03.2013 AND STATEMENT OF PROFIT & LOSS FOR THE YEAR 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. 12.08.2003 in terms of Government of U.P. Notification No. 2740/P-1/2003-24-14P/2003 dated 12.08.2003.
2. The Nigam is a subsidiary of U.P. Power Corporation Ltd. The annual accounts for the year 2012-13 are based on the balances of assets and liabilities received as per Transfer Scheme, 2003. (Annexure-A) as well as the transactions pertaining to distribution business during the period 12.08.2003 to 31.03.2004 and the financial years 2004-05 to 2012-13. The final transfer scheme is yet to be issued and the balances in the accounts will be adjusted accordingly.
3. The share capital includes 500 Equity Shares of Rs.1000 each allotted to subscribers of Memorandum of Association and shown separately in Balance Sheet.
4. The liability for GPF, Pension and Gratuity Contribution during the period have been discharged to U.P. Power Sector Employees Trust partly by UPPCL and shown as payable to UPPCL by the Nigam. The liability have partly been discharged by the Nigam.
5. (a) In the absence of asset wise break up of Plant and Machinery, Lines, Cables and other assets taken over as on 12.08.2003, the depreciation on these assets have been charged @ 4.75% on the value transferred under the Transfer Scheme, 2003 being the rate prescribed for majority of the items in the Companies Act, 1956.  
(b) During the year, the depreciation has been provided as per Schedule-XIV of the Companies Act, 1956 on SLM basis.  
(c) Due to multiplicity of nature of capital works and difficulty in establishing the correct date of installation of assets, the depreciation on additions fixed assets during the year has been provided on pro-rata basis by taking average Six month period.
6. (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 & doubtful debts against revenue from sale of power has been made @ 5 % on the incremental basis.
7. Difference between the loan transferred under provisional Transfer Scheme 2003 and actual loan has been shown in Restructuring Reserve Account.
8. The loan received by UPPCL on behalf of the Nigam during the year 2012-13 amounting to Rs.941820000.00 & FRP Loans Rs.91304573231.00 and repayment made by U.P.P.C.L amounting to Rs.624415457.00 have been accounted for in the books of the Nigam accordingly.
9. Government dues in respect of Electricity Duty and other Levies amounting to Rs.1877072700.74 shown in Note-BS/06 includes Rs.306280470.00 on account of Other Levies realised from consumers.
10. The provision for unserviceable/obsolete material has not been made since sufficient provisions already exist in the Transfer Scheme.
11. Liability towards Medical Expenses, Leave Encashment and LTC have been provided to the extent established.
12. Based on actuarial valuation report submitted by M/s Price Waterhouse Coopers to UPPCL (the Holding Company) provision for accrued liability on account of Pension and Gratuity for the period from 01.04.2012 to 31.03.2013 has been made @16.70% and 2.38% respectively on the amount of Basic pay, Grade pay and DA paid to employees.

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13. Amount due to SSI units could not be ascertained and interest thereon could not be provided for want of complete information. Efforts are being made to segregate this information.
14. Employees cost includes remuneration to Managing Director and Director as under.

Particulars	2012-13	2011-12
Salary and Allowances	Rs. 10.57 Lacs	Rs. 9.41 Lacs
Contribution to Gratuity/Pension	-	-

15. Debts due from Directors were Rs. NIL. (Previous year – NIL)
16. Payment to Directors and Officers in foreign currency towards foreign tours was NIL. (Previous year – NIL)
17. Information pursuant to provision of Para II of Schedule VI of Companies Act, 1956 are as under :-  
(a) Quantitative Details of Energy Purchased and Sold :-

Sl. No.	Details	2012-13 (Units in M.U.)	2011-12 (Units in M.U.)
(i)	Total number of units purchased	17331.142	16051.601
(ii)	Total number of units sold	12577.408	11334.954
(iii)	Distribution Losses	27.43%	29.38%

(b) Contingent Liabilities and Commitments:-

Sl. No.	Details	Amount (Rs. In lacs)	
		2012-13	2011-12
1	Claims against the company not acknowledged as debts.	157.65	178.26
2	Estimated amount of contracts remaining to be executed on capital account and not provided for.	1640.77	3502.72
3	Other money for which the company is contingently liable.	144.97	136.60

18. Since the Company is principally engaged in the distribution business of Electricity and there are no other reportable segment as per AS-17, hence the disclosure as per AS-17 on segment reporting is not required.
19. The disclosure required as per AS-18 issued by ICAI on related parties transactions is not applicable as the Accounting Standard provides that "no disclosure is required in the financial statement of state-controlled enterprises as regards related party relationship with other state-controlled enterprises and transactions with such enterprises."
20. Due to carry forward losses/depreciation 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.
21. The figures shown in the Balance Sheet, Statement of Profit & Loss and Notes have been rounded off to the nearest lacs and decimal thereof.
22. During the year an amount of Rs.9134.00 lacs received against sanctioned loan of Rs.40185.60 lacs, Rs.12905.00 lacs and 4635.00 lacs. The funds are received against these loans on the basis of progress of works under the concern scheme.
23. Previous year figures as shown in the Balance Sheet, Statement of Profit & Loss and Notes have been regrouped and rearranged, wherever considered necessary as the statement of account have been prepared under to the provision of revised Schedule 'VI'.
24. AGM for the financial year 2011-12 is yet to be held.

(H.K. Agarwal)  
Company Secretary  
(In Part Time)

(P.K. Jauhari)  
General Manager (FA&A)

(Saroj Kumar Mishra)  
Director (Finance)

(Prabhu N. Singh)  
Managing Director



## DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED

IN REFERENCE TO PARA NO. 2 OF NOTES ON ACCOUNTS (NOTE - 23)  
ANNEXED TO BALANCE SHEET AND PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31.03 2013

Statement showing the transfer of Assets & Liabilities to AGRA DISCOM as per  
Schedule - A (Part-II) of the Uttar Pradesh Power Sector Reforms  
(Transfer of Distribution Undertakings) Scheme, 2003 vide Uttar Pradesh Shasan Urja Anubhag 1,  
Notification No. 2740/P-1-2003-24-14P-2003, Dated August 12, 2003

	Amount (Rs in Crores)
<b>Fixed Assets</b>	
Gross Fixed Assets	1505.95
Less: Accumulated depreciation	671.94
Net Fixed Assets	834.01
Cap. Expd. in progress	52.98
Investments	-
<b>Total Fixed Assets</b>	<b>886.99</b>
<b>Current Assets:</b>	
Cash and Bank Balances	115.95
Total Stocks	27.72
Less: Provision for Obsolete Stores	8.15
Net Stock	19.57
Gross Receivables for Sale of Electricity	1785.00
Less: Provision for Bad & Doubtful debts	1565.29
Net Receivables for sale of Power	219.71
Other Receivables	3.24
<b>Total Current Assets</b>	<b>358.47</b>
<b>Total Assets</b>	<b>1245.46</b>
<b>Net Worth</b>	
Paid up and Subscribed Share Capital	346.19
Retained Earning (Losses)/Reserves	-
Consumer's Contributions	83.75
Capital Reserves	-
Grants - RE	22.90
Grants - APDRP	2.50
<b>Total Net Worth</b>	<b>455.34</b>
<b>Long Term Debts</b>	
GoUP Loans	2.50
IDBI - Deferred Credit	12.49
REC	225.79
Commercial Banks (SPA)	-
HDFC	-
PFC	38.78
NOIDA	-
UPSIDC	1.37
Urban Co-operative Bank	-
Others	12.42
IBRD	-
Working Capital Borrowings	-
GPF Liability	171.18
<b>Total Long Term Loans</b>	<b>464.53</b>
<b>Current Liabilities</b>	
Accounts Payable	240.94
Security Deposits from consumers	84.65
Accumulated Interest on Govt. Loans	-
Accumulated Interest on other IFT's	-
Overdue Principal not Paid	-
<b>Total Current Liabilities</b>	<b>325.59</b>
<b>Total Liabilities</b>	<b>1245.46</b>

by

M. K. Singh

Sd/-

\*

M. K. Singh

**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

**BALANCE SHEET ABSTRACT AND NIGAM'S GENERAL BUSINESS PROFILE**

**1 Registration details**

Registration No.	20-27460	State Code	20
Balance Sheet Date	31	2013	
	Date	Month	Year

**2 Capital raised during the year**

(Amount in Rupees Lakhs)

Public Issue	NIL	Bonus Issue	NIL
Rights Issue	NIL	Private Placement	NIL

**3 Position of Mobilisation and Development of Funds**

(Amount in Rupees Lacs)

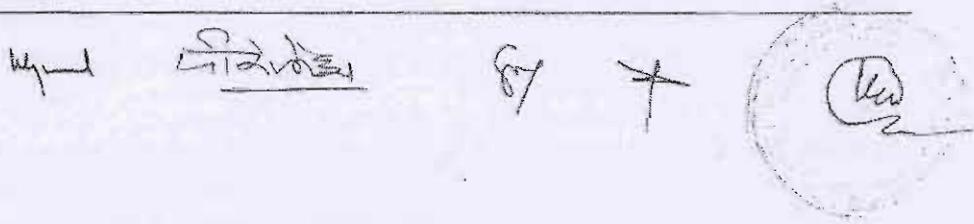
Total Liabilities	978572.94	Total Assets	978572.94
<b>Sources of Funds :</b>		<b>Reserves &amp; Surplus</b>	
Paid Up Capital	194637.74		96190.23
Secured Loans	68491.17	Unsecured Loans	959002.18
<b>Applications of Funds :</b>		<b>Miscellaneous Expenditure</b>	
Net Fixed Assets	367173.06		0.00
Accumulated Losses	1365216.00	Net Current Assets	(-) 302998.99

**4 Performance of the Company**

(Amount in Rupees Thousands)

Turnover (Gross Revenue)	524445.04	Total Expenditure	570701.03
(+/-) Profit/Loss before Tax	(-) 336406.03	(+/-) Profit/Loss after Tax	(-) 336406.03
Earning per Share (in Rupees)	(-) 0.02	Dividend rate in %	NIL

Product/Service Description	Item Code No.
(i) Purchase & Transmission of Electricity	NA
(ii) Distribution and Sale of Electricity	NA





## **Annexure-3**

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

**DAKSHINANCHAL  
VIDYUT VITRAN NIGAM LIMITED**

**PROVISIONAL  
BALANCE SHEET  
AS AT  
31.03.2014**

**&**

**PROVISIONAL  
PROFIT & LOSS STATEMENT  
FOR THE PERIOD FROM  
01.04.2013  
TO  
31.03.2014**

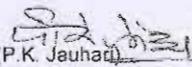
**REGISTERED OFFICE  
URJA BHAWAN, 220KV SUB STATION, AGRA**

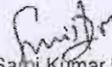
**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

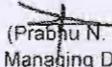
**BALANCE SHEET AS AT 31.03.2014**  
**PROVISIONAL**

(Amount in Rs.)

PARTICULARS	NOTE NO	AS AT 31.03 2014	AS AT 31.03 2013
<b>A EQUITY AND LIABILITIES</b>			
<b>1. Shareholder's funds</b>			
Share Capital	BS/01	19453774000	19463774000
Reserves and Surplus	BS/02	(165151806373)	(127002577230)
2. Share Application Money pending for allotment	BS/03	15888205485	11206875402
<b>3. Non-Current Liabilities</b>			
Long Term Borrowings	BS/04	102285303110	102749335137
Deffered Tax Liabilities (Net)		-	-
Other Long-Term Liabilities		-	-
Trade Payables	BS/05	79961140167	57522683542
Other Long-Term Provisions		-	-
<b>4. Current Liabilities</b>			
Short Term Borrowings		-	-
Other Current Liabilities	BS/06	57548503671	33527883367
Short Term Provisions	BS/07	262748730	389319545
<b>Total</b>		<b>110257868790</b>	<b>97857293763</b>
<b>B Assets</b>			
<b>1 Non-Current Assets</b>			
<b>Fixed Assets</b>			
Tangible Assets	BS/08	31102251363	30641768099
Intangible Assets	BS/09	216386741	189603193
Capital Work in Progress	BS/10	8394320247	5792906191
Intangible Assets under Development		-	-
Non-Current Investment		-	-
Deffered Tax Assets (Net)		-	-
Other Non-Current Assets	BS/11	109815833	93028785
<b>Net Block</b>		<b>39822774184</b>	<b>36717306268</b>
Long Term Loans and Advances	BS/12	78752909	100462018
<b>2 Current Assets</b>			
Inventories		-	-
Storers & Spares	BS/13	7443314839	7191880189
Trade Receivables	BS/14	45399740947	40808217237
Cash & Cash Equivalents	BS/15	7014035377	5983758577
Other Current Assets	BS/16	10499250534	7055669474
<b>Significant Accounting Policies</b>			
Notes on Accounts	PL/09		
Note BS/01 to BS/16 and PL/01 to PL/09 and Accounting Policies form integral part of Accounts			
<b>Total</b>		<b>110257868790</b>	<b>97857293763</b>

  
(P.K. Jauhari)  
General Manager (FA & A)

  
(Saroj Kumar Mishra)  
Director (Finance)

  
(Prabhu N. Singh)  
Managing Director

Date: 17/11/2014  
Place: Agra

As per separate report of even date U/S 44AB  
of Income Tax Act, 1961 annexed.

For M/S A CH G & ASSOCIATES  
CHARTERED ACCOUNTANTS

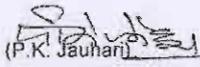
  
(HANISH GUPTA)  
PARTNER  
Membership No.: 403655

DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

**STATEMENT OF PROFIT AND LOSS FOR THE YEAR ENDED ON 31.03.2014**  
**PROVISIONAL**

(Amount in Rs.)

PARTICULARS	NOTE NO.	For the year ended on 31.03.14	For the year ended on 31.03.13
<b>INCOME</b>			
Revenue from Operations	PL/01	49221672159	40288065218
Less: Electricity Duty		2634468119	46587204040
Energy Internally Consumed		363044563	1356712212
Other Income	PL/02	10522480074	393217272
			393217272
			13119933953
Total		57472728677	52444504231
<b>EXPENDITURE</b>			
Cost of Materials Consumed			
Purchase of Power	PL/03	72210127920	62565422620
Transmission Charges		2486828385	74696956305
Employees Cost	PL/04		3015618708
Finance Cost	PL/05		65581041328
Operations and other Expenses	PL/06		1821930397
Depreciation	PL/07	2179241771	15503433407
Amortization of services line contributions & Grants etc		510202082	3803903302
			2092258703
			438055139
			1654203564
Total		97299539156	86577604971
<b>PROFIT/(LOSS) Before Prior Period &amp; Exceptional Item</b>		(39826810479)	(34133100740)
<b>Net Prior Period Income/(Expenditure)</b>	PL/08	(79738939)	492497621
<b>Exceptional Items</b>			
<b>Net PROFIT/(Loss)</b>		(39906549418)	(33640603119)
<b>Extra Ordinary Items</b>			
<b>Profit Before Tax</b>		(39906549418)	(33640603119)
<b>Tax Expenses</b>			
<b>Accumulated loss brought forward</b>		(136621599889)	(102980996770)
<b>Accumulated Profit/(Loss) Carried Over to Reserve &amp; Surplus Note BS/02</b>		(176528149307)	(136621599889)
<b>Notes on Accounts</b>	PL/09		

  
(P.K. Jauhari)  
General Manager (FA & A)

  
(Saroj Kumar Mishra)  
Director (Finance)

  
(Prabhu N. Singh)  
Managing Director

Date : 17/11/2014  
Place : Agra

As per separate report of even date U/S 44AB  
of Income Tax Act, 1961 annexed.

For M/S A C H G & ASSOCIATES  
CHARTERED ACCOUNTANTS

  
(HANISH GUPTA)  
PARTNER  
Membership No : 403655

**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/01

SHARE CAPITAL

(Amount in Rs.)

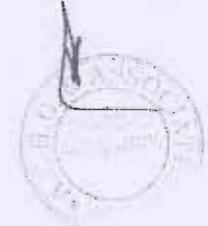
PARTICULARS	AS AT 31.03.2014		AS AT 31.03.2013	
	No. of Shares	Amount	No. of Shares	Amount
<b>A. AUTHORISED</b> 40000000 Equity Shares of Rs 1000/- each	40000000	40000000000	40000000	40000000000
<b>B. ISSUED SUBSCRIBED AND PAID UP</b>				
i) Equity Shares of Rs1000/- each fully paid up allotted to UPPCL for consideration other than cash pursuant to DISCOMS Transfer Scheme, 2003	19463274	19463274000	19463274	19463274000
ii) Equity Shares of Rs 1000/- each fully paid up allotted to Promoters	500	500000	500	500000
<b>Total</b>		<b>19463774000</b>		<b>19463774000</b>

Note:- The Company has only one class of equity shares having a per value Rs. 1000/- per share.

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*[Handwritten Signature]*

*[Handwritten Signature]*



**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

Reconciliation of the number of shares and amount outstanding at the beginning and at the end of the reporting period:

Particulars	Opening Balance	Fresh issue	Bonus	ESOP	Conversion	Buy back	Closing Balance
<b>Issued, Subscribed &amp; Paid-up</b>							
Equity shares fully paid up							
Year ended 31 March, 2013	3700690	15763084	-	-	-	-	19463774
- Number of shares							
- Amount (In Rs.)	3700690000	15763084000					19463774000
Equity shares fully paid up							
Year ended 31 March, 2014	19463774		0	0	0	0	19463774
- Number of shares							
- Amount (In Rs.)	19463774000						19463774000

*Signature*



**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

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

Particulars	Equity shares with UPPCL	
	Number of shares	
As at 31 March, 2014		
UPPCL, the holding company	19463274	
As at 31 March, 2013		
UPPCL, the holding company	19463274	

Details of shares held by each shareholder holding more than 5% shares:

Class of shares / Name of shareholder	As at 31 March, 2014		As at 31 March, 2013	
	Number of shares held	% holding in that class of shares	Number of shares held	% holding in that class of shares
Equity shares with UPPCL	19463274	99.99	19463274	99.99

The Company has only one class of equity shares having per value of Rs. 1000/- per share.

The shares allotted during 5 years immediately preceeding the Balance Sheet date are:-

1. 238290 fully paid Equity shares of Rs. 1000 each were allotted upto the F.Y 2011-12.
2. 15763084 fully paid Equity shares of Rs. 1000 each were allotted in the year 2012-13.

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**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

**NOTE-BS/02**

**RESERVES AND SURPLUS**

PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
(Amount in Rs.)		
<b>A CAPITAL RESERVE</b>		
i) Consumers Contribution towards Service Line and Other Charges		
Opening Balance	7903459417	6642250363
Add: Additions during the year	1569822357	1615073953
Less: Deductions/Adjustments during the year	412697603	353864899
<b>Closing Balance</b>	<b>9060584171</b>	<b>7903459417</b>
ii) Subsidy towards Cost of Capital Assets		
Opening Balance	1703875864	1740596503
Add: Additions during the year	697700000	47469601
Less: Deductions/Adjustments during the year	97504479	84190240
<b>Closing Balance</b>	<b>2304071385</b>	<b>1703875864</b>
iii) Re-Structuring Account		
Opening Balance	11687378	11687378
Add: Additions during the year	0	0
Less: Deductions/Adjustments during the year	0	0
<b>Closing Balance</b>	<b>11687378</b>	<b>11687378</b>
<b>Sub Total (i+ii+iii)</b>	<b>11376342934</b>	<b>9619022659</b>
<b>B Surplus in Statement of P &amp; L Account</b>		
Opening Balance	(136621599889)	(102980996770)
Add: Profit/(Loss) for the year	(39906549418)	(33640603119)
<b>Closing Balance</b>	<b>(176528149307)</b>	<b>(136621599889)</b>
<b>Total (A+B)</b>	<b>(165151806373)</b>	<b>(127002577230)</b>

Note : Amortisation has been done on the subsidy towards cost of Capital Assets.

**NOTE-BS/03**

**SHARE APPLICATION MONEY**

PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
(Amount in Rs.)		
<b>SHARE APPLICATION MONEY</b>		
Pending for allotment to UPPCL	15888205485	11206875402
<b>Total</b>	<b>15888205485</b>	<b>11206875402</b>

**Reconciliation of Share Application Money**

Share Application Money as on 31.03.2013	Received during the year	Allotted during the year	Share Application Money as on 31.03.2014
11206875402	4681330083	0	15888205485

Note:- Number of share proposed to be issued : 15888205

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DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/04

**LONG TERM BORROWINGS**

(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
<b>A. SECURED LOAN:</b>				
<b>TERM LOANS</b>				
(i) Power Finance Corporation Ltd. (Secured against hypothecation of lines & substations etc under APDRP Scheme and against receivables of specified receipt accounts through escrow arrangements)	3017290887	3234581898	217291015	217291018
(ii) Rural Electrification Corporation Ltd. (Secured against hypothecation of current assets, hypothecation of assets to be created under APDRP Scheme and against receivables of specified receipt accounts through escrow arrangements)	4857655912	3445087675	188795922	131894650
(iii) REC (Working Capital Loan) (Secured against charge on current assets and receivables of specified receipt accounts through escrow arrangement)	2326660	169447151	166666675	969696963
Sub total - ( A )	7877273459	6849116724	572753612	1318882631
<b>B. UNSECURED LOAN:</b>				
<b>TERM LOANS :</b>				
(i) Govt. of U.P. (T/Scheme)	25000000	25000000		0
Govt. of U.P. (APDRP)	0	418555268		38729732
Govt. of U.P. (World Bank)	0	374865290		28405710
(ii) <b>FINANCIAL INSTITUTIONS</b>				
REC (T/Scheme) ( Guaranteed by Govt. of UP )	1498433787	1490430527		91984949
PFC (T/Scheme) ( Guaranteed by Govt. of UP )	22614636	37082870		0
(iii) <b>MISCELLANEOUS INSTITUTIONS</b>				
Hudco Loans	1557346653	2249649883	787609950	802900008
U.P.State Industrial Development Corporation Ltd.	54490	54490		0
Housing Development Finance Corporation Ltd.	6854	6854		0
(iv) <b>FRP LOANS (Transferred by Holding Co.)</b>				
Bank Loans	76580859031	76580859031		0
REC	4350000000	4350000000		0
PFC	9125114200	9125114200		0
NOIDA	832400000	832400000		0
Mandi Parishad	416200000	416200000		0
Sub total - (B)	94408029651	95900218413	787609950	962020399
<b>Total (A) + (B)</b>	<b>102285303110</b>	<b>102749335137</b>	<b>1360363562</b>	<b>2280903030</b>

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DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/05

**TRADE PAYABLES**

(Amount in Rs.)		
PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
Liability for Purchase of Power (Uttar Pradesh Power Corporation Ltd.)	65790176784	45120677225
Liability for Transmission Charges (Uttar Pradesh Power Transmission Corporation Ltd.)	5740762588	6333885998
<b>Other Payables</b>		
Liability for Capital Supplies/ Works	8430210795	6068120319
<b>Total</b>	<b>79961140167</b>	<b>57522683542</b>

NOTE-BS/06

**OTHER CURRENT LIABILITIES**

(Amount in Rs.)		
PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
Current Maturities of Long Term Borrowings	1360363562	2280903030
<b>Interest Accrued</b>		
Interest accrued but not due on Borrowings	3364494695	2955010992
Sundry Liabilities	3095045941	3060515439
Staff Related Liabilities	647980214	1008569190
Deposits and Retentions from Suppliers & Others	951784216	513128402
Electricity Duty and Other Levies payable to Govt.	3008144870	1877072701
Deposits for Electrification Works	1385773273	502828425
<b>Liabilities towards UP Power Sector Employees Trust</b>		
Provident Fund Liabilities	2533170062	2457264457
<b>Amount Payable to :</b>		
U.P Power Corporation Limited	36217770487	14471949854
KESCO	76917559	66912085
Madhyanchal Vidyut Vitran Nigam Ltd.	763995380	767045787
U.P Rajya Vidyut Utpadan Nigam Limited	2158063	0
U.P Jal Vidyut Nigam Limited	2292	0
Paschimanchal Vidyut Vitran Nigam Limited	134919345	0
	37195763126	0
Security Deposits from Consumers	3501129704	3134337327
Add : Interest on Security Deposits from Consumers	492177229	402368063
	3993306933	3536705390
Liabilities for Expenses	11137008	28075873
Liabilities for Audit Fees Expenses (Net)	1539771	1881742
<b>Total</b>	<b>57548503671</b>	<b>33527883367</b>

NOTE-BS/07

**SHORT TERM PROVISIONS**

(Amount in Rs.)		
PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
<b>PROVISION FOR EMPLOYEES BENEFITS</b>		
Pension & Gratuity	262748730	378724369
<b>OTHER PROVISIONS</b>		
Provision for Fringe Benefits Tax	0	10595176
<b>Total</b>	<b>262748730</b>	<b>389319545</b>

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**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

**TANGIBLE ASSETS**

PARTICULARS	GROSS BLOCK				DEPRECIATION				NET BLOCK	
	As At 01.04.13	Additions	Deductions	As at 31.03.14	As At 01.04.13	Additions	Deductions	As at 31.03.14	As at 31.03.14	As at 31.03.13
	(Amount in Rs.)									
Land & Land Rights	3438499	0	0	3438499	0	0	0	0	3438499	3438499
Buildings	578123580	0	0	578123580	30582291	9423414	0	40005705	538117875	547541289
Plant & Machinery	7896653923	1613639904	4780723548	4729570279	-1959771831	375091062	634710392	-2213991161	6948961440	9856425754
Lines, Cables, Net work etc.	22554454650	5310459498	177943773	276886970375	3795153527	1076575080	39220259	4832508348	22854462027	18759301123
Furniture & Fixtures	30443369	90073	0	30533442	3991121	1929916	0	5921037	24612405	26452246
Office Equipments	5391638	272230	0	5663868	3620224	896049	0	4516273	1147595	1771414
Jeep & Motor Car	-1557474	0	0	-1557474	-1616786	0	0	-1616786	59312	59312
<b>Total</b>	<b>31066948185</b>	<b>6924461705</b>	<b>4958667321</b>	<b>33032742569</b>	<b>1871958546</b>	<b>1463915521</b>	<b>673930651</b>	<b>2661943416</b>	<b>30370799153</b>	<b>29194989639</b>
Fixed Assets as per Transfer Scheme	15059500000	0	0	15059500000	13612721540	715326250	0	14328047790	731452210	1446778480
<b>Grand Total</b>	<b>46126448185</b>	<b>6924461705</b>	<b>4958667321</b>	<b>48092242569</b>	<b>15484680086</b>	<b>2179241771</b>	<b>673930651</b>	<b>16989991206</b>	<b>31102251363</b>	<b>30641758009</b>

Note:- Deductions/Adjustment made during the year under Gross Block & Depreciation represents Plant & Machinery and Lines & Cables which were written off during the year.

NOTE-BS/09

INTANGIBLE ASSETS

(Amount in Rs.)

PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
Theft of Fixed Assets	216386741	189603193
Total	216386741	189603193

NOTE-BS/10

CAPITAL WORKS IN PROGRESS

(Amount in Rs.)

PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
Capital Works in Progress *	8394320247	5792906191
Total	8394320247	5792906191

Note :

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

NOTE-BS/11

OTHER NON-CURRENT ASSETS

(Amount in Rs.)

PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
Other Recoverables	109815833	93028785
Total	109815833	93028785

Note:- The above amount pertain to Misc. Advance (Cash & Material shortages) against employees.









DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/12

LONG TERM LOANS AND ADVANCES

	(Amount in Rs.)	
PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
<b>ADVANCES (Unsecured)</b>		
Suppliers/ Contractors	76138706	89274268
Tax Deducted at Source	2614203	619384
Fringe Benefit Tax	0	10568366
Total	78752909	100462018

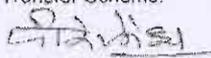
NOTE-BS/13

INVENTORIES

	(Amount in Rs.)	
PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
<b>STORES &amp; SPARES</b>		
Stock of materials *	7524814839	7273380189
Less : Provision for Obsolete Stores	81500000	81500000
Total	7443314839	7191880189

\* Include material issued to fabricators, obsolete material, scrap, transformers sent for repair and store excess/shortage pending for investigation.

Note :- The provision for unserviceable/obsolete material has not been made since sufficient provisions already exist in the Transfer Scheme.









DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-BS/14

**TRADE RECEIVABLES**

(Amount in Rs.)

PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
<b>Trade receivables outstanding from Customers</b>		
<b>For a Period More than six months:</b>		
Secured & Considered good*	3588384448	3192550913
Unsecured & Considered good	37450263230	32679581807
Doubtful	17964344121	17416754716
Less: Provision for Doubtful trade receivables	17964344121	17416754716
	41038647678	53288887436
<b>Trade receivables outstanding from Customers</b>		
<b>For a Period Less than six months:</b>		
Secured & Considered good*	404922485	344154476
Unsecured & Considered good	3956170784	4591930041
Doubtful	27818754	259793922
Less: Provision for Doubtful trade receivables	27818754	259793922
	4361093269	4936084517
	45399740947	40808217237

\* Secured against security deposit from consumers.

Note :- Age-wise classification of Sundry Debtors could not be given for want of age-wise details of receivables transferred under the Transfer Scheme, 2003.

NOTE-BS/15

**CASH AND CASH EQUIVALENTS**

(Amount in Rs.)

PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
<b>CASH IN HAND</b>		
Cash in Hand (Including Imprest with Staff)	864302074	1558204472
Balances with Scheduled Banks		
In Current and other Accounts	5401416783	4253148778
In Fixed Deposit Account	748316520	172405327
	6149733303	4425554105
<b>Total</b>	7014035377	5983758577

NOTE-BS/16

**OTHER CURRENT ASSETS**

(Amount in Rs.)

PARTICULARS	AS AT 31.03.2014	AS AT 31.03.2013
Other receivables	35337416	34834693
<b>Receivables from</b>		
Poorvanchal Vidyut Vitran Nigam Limited	244722129	330891378
Paschimanchal Vidyut Vitran Nigam Limited	0	18781830
U.P. Rajya Vidyut Utpadan Nigam Limited	0	253036
U.P. Power Transmission Corporation Limited	160710405	405432534
Inter Unit Transfers	10058480584	97481827
	10499250534	447408071
<b>Total</b>	10499250534	7055669474

Note :- Amount of Rs.32400000.00 included in other receivables received in Transfer Scheme in 12.08.2003.

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DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-PL/01

REVENUE FROM OPERATIONS

(Amount in Rs.)

PARTICULARS	For the year ended on 31.03.14	For the year ended on 31.03.13
<b>Supply In Bulk</b>		
Torrent Power Ltd	6247752408	5246674602
<b>Large Supply Consumers</b>		
Industrial	14755387325	11884546820
Traction	1244423475	978436813
Irrigation	614896395	542538606
Public Water Works	1083903202	718573545
	17698610397	14124095784
<b>Small and Other Consumers</b>		
Domestic	9042301128	7718807943
Commercial	5724168606	4779756554
Industrial Low and Medium Voltage	3365930964	2996938573
Public Lighting	433325976	331725849
STW & Pump Canals	2049349250	1857589254
PTW & Sewage Pumping	2332739299	1952611915
Miscellaneous Charges from Consumers	56070575	316369804
Less : Energy Internally Consumed	363044563	393217272
Sub Total	46587204040	38931353006
Add : Electricity Duty	2634468119	1356712212
Total	49221672159	40288065218

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DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-PL/02

OTHER INCOME

(Amount in Rs.)

PARTICULARS	For the year ended on 31.03.14	For the year ended on 31.03.13
From U.P Govt.		
RE Subsidy from Govt. of U.P.	500000000	408300000
Revenue Subsidy from Govt. of U.P.	8678800000	12011500000
<u>Interest from :</u>		
Loans to Staff*	7200	16238
Banks (Other than on Fixed Deposit)	36845709	9762008
Fixed Deposits	40367306	11330532
Delayed Payment Charges from Consumers	1160437942	581865016
Income from Contractors / Suppliers	74944876	64528886
Rental from Staff	889930	336828
Miscellaneous Receipts	30187111	32294345
<b>Total</b>	<b>10522480074</b>	<b>13119933953</b>

Note:- \*Pertains to loan amount advanced during the UPSEB and UPPCL period.

NOTE-PL/03

TRADED GOODS (PURCHASE OF POWER)

(Amount in Rs.)

PARTICULARS	For the year ended on 31.03.14	For the year ended on 31.03.13
<u>Power Purchased from :</u>		
Uttar Pradesh Power Corporation Limited	72210127920	62565422620
Wheeling Charges (UPPTCL)	2486828385	3015618708
<b>Total</b>	<b>74696956305</b>	<b>65581041328</b>

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DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-PL/04

EMPLOYEES COST

(Amount in Rs.)

PARTICULARS	For the year ended on 31.03.14	For the year ended on 31.03.13
Salaries and Allowances	1102665485	1169858119
Dearness Allowance	874666600	746684627
Other Allowances	88436441	93836677
Bonus / Ex-gratia	11897931	14645009
Medical Expenses ( Re-Imbursement )	35412251	29962271
Earned Leave Encashment	91600021	110467711
Compensation	2459326	1473048
Staff Welfare Expenses	1483501	1457032
Pension and Gratuity	277837361	282567035
Other Terminal Benefits	54781689	43218032
<b>Sub Total</b>	<b>2541240606</b>	<b>2494169561</b>
Less - Expenses Capitalised	915034153	672239164
<b>Total</b>	<b>1626206453</b>	<b>1821930397</b>

Note :- Liability towards Medical Expenses, Leave Encashment and LTC have been provided to the extent established.

NOTE-PL/05

FINANCE COST

(Amount in Rs.)

PARTICULARS	For the year ended on 31.03.14	For the year ended on 31.03.13
<b>Interest on Loans :</b>		
Govt. of U.P.	113310446	1597431579
PFC	1436281520	205952444
REC	1299278178	295254392
HUDCO	378648279	393875380
Bank Interest	10974523940	10199003037
Mandi Parishad	0	2326158
<b>Interest to Consumers</b>	<b>275475735</b>	<b>316315052</b>
Bank Charges	1507560	1688825
Interest on Working Capital Loan	1024111148	855682607
Guarantee Charges	296601	486471
<b>Total</b>	<b>15503433407</b>	<b>13868015945</b>

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DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-PL/06

**OPERATIONS & OTHER EXPENSES**

(Amount in Rs.)

PARTICULARS	For the year ended on 31.03.14	For the year ended on 31.03.13
<b>REPAIRS &amp; MAINTENANCE</b>		
Plant & Machinery	1401279461	1348536001
Buildings	3949052	5236652
Lines, Cables, Net works etc.	1261246259	1257063400
Furniture and Fixtures	1440	750
Office Equipments	635365	192779
Vehicle	354411297	0
<b>OTHER EXPENSES</b>		
Rent	3769909	3748964
Rates & Taxes	0	22500
Insurance	4668719	3166725
Communication Charges	18663039	17423386
Legal Charges	17848795	16795427
<b>Auditors Remuneration &amp; Expenses</b>		
Audit Fees	693560	450900
Travelling Expenses	533228	804998
Consultancy Charges	1226788	1255898.00
Travelling & Conveyance	5863678	4865162
Printing & Stationery	24701908	20175402
Advertisement Expenses	18160560	15064866
Electricity Charges	5815843	8342506
Water Charges	363044563	393217272
Entertainment	1479462	0
License Fee	7500	0
	21503123	16626951
<b>Miscellaneous Expenses</b>		
Honorariums	49759836	15833977
Internal Audit (Fee & TA)	2722139	5073721
Revenue Expenses	48912808	49870255
Other Miscellaneous	122447983	223842766
Compensation (Other than Staff)	171098138	241876091
	11941115	10543747
<b>PROVISIONS</b>		
Bad and Doubtful Debts (Sale of Power)	315614236	494693008
Sub Total	4059674878	3858847486
Less - Expenses Capitalised	255771576	206433749
Total	3803903302	3652413737

Note :- The provision for bad & doubtful debts against revenue from sale of power has been made @ 5% on the incremental basis.

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**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
220 KV SUB STATION, BYE PASS ROAD, AGRA

NOTE-PL/07

**DEPRECIATION**

	(Rs. In Lakhs)	
PARTICULARS	For the year ended on 31.03.14	For the year ended on 31.03.13
Depreciation	2179241771	2092258703
Less : Equivalent amount of Depreciation on Assets acquired out of the Consumer's Contribution and GO UP's Capital Subsidy	510202082	438055139
	1669039689	1654203564

Note :- During the year, the depreciation has been provided as per Schedule-VI of the Companies Act, 1956 on SLM basis.

NOTE-PL/08

**PRIOR PERIOD ITEMS**

	(Amount in Rs.)	
PARTICULARS	For the year ended on 31.03.14	For the year ended on 31.03.13
<b><u>Prior Period Income</u></b>		
Other Income	50223	0
Revenue From Sale of Power	0	67610629
Interest and other Finance Charges	0	523850963
	50223	591461592
<b><u>Prior Period Expenditure</u></b>		
Employee Cost	56741713	51485648
Operating Expenditure	1077366	7061178
Other Expenses	18210359	24227544
Interest and other Finance Charges	3759724	0
Ammortization	0	16180601
	79789162	16180601
<b>Net - Income/(Expenditure)</b>	<b>(79738939)</b>	<b>492497621</b>

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# DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED

## SIGNIFICANT ACCOUNTING POLICIES

### 1. GENERAL

- (a) The financial statements are prepared in accordance with the provisions of the Companies Act 1956.
- (b) The accounts are prepared under historical cost convention on accrual basis unless stated otherwise and on accounting assumption of going concern. However, the account of Share Application Money is being done on Receipt Basis.
- (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 the Transfer Scheme, 2003 along with the additions as well as deductions made thereafter.
- (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 effected, 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 are capitalized @ 15% on rural electrification and deposit works and 11% on other works on the amount of total expenditure.
- (f) Borrowing cost during construction stage of capital assets, which was directly attributable to the construction of qualifying assets have been capitalised as per AS-16.

### 3. DEPRECIATION

- (a) Depreciation is charged on straight line method (SLM) at the rates prescribed by Schedule XIV to the Companies Act, 1956.
- (b) Depreciation has been provided on fixed assets in use at the beginning of the year. Depreciation on additions to Fixed Assets during the year has been provided on six month average basis after deducting discarded assets.
- (c) Fixed assets are depreciated up to 95% of original cost after taking 5% as the residual value of assets.

### 4. STORES & SPARES

- (a) Stores & Spares are valued at cost.
- (b) Steel scrap is valued at realizable value and scrap other than steel is accounted for in the accounts as and when sold.
- (c) Any shortage/excess of material found during the year end are shown as "material short/excess pending investigation" till the finalization of investigation.

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#### 5. REVENUE / EXPENDITURE RECOGNITION

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

#### 6. POWER PURCHASE

- (a) The bulk power purchases from Uttar Pradesh Power Corporation Ltd., the Holding Company is accounted for on the basis of bills raised by them.
- (b) Transmission charges are accounted for on the basis of bills raised by U.P. Power Transmission Corporation Ltd. (UPPTCL)

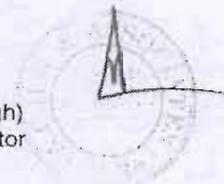
#### 7. RETIREMENT BENEFITS

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

  
(P.K. Jauhari)  
General Manager (FA&A)

  
(Saroj Kumar Mishra)  
Director (Finance)

  
(Prabhu N. Singh)  
Managing Director



**DAKSHINANCHAL VIDYUT VITRAN NIGAM LIMITED**  
**NOTES NO. PL/09**

**NOTES ON ACCOUNTS ANNEXED TO AND FORMING PART OF BALANCE SHEET AS AT 31.03.2014 AND PROFIT AND LOSS STATEMENT FOR THE YEAR ENDED ON THAT DATE**

1. The Nigam was incorporated under the Companies Act, 1956 on 01.05.2003 but commenced the business operations w.e.f. 12.08.2003 in terms of Government of U.P. Notification No. 2740/P-1/2003-24-14P/2003 dated 12.08.2003.
2. Annual Accounts for the year 2013-14 are based on the balances of various Assets and Liabilities as transferred to this Nigam as per transfer scheme vide Notification No. 2740/P-1/2003-24-14P/2003 dated 12.08.2003 as on 31.03.2003 after incorporating therein the transactions of the Nigam from 12.08.2003 to 31.03.2014.
3. The final balance of various Assets and Liabilities as on 12.08.2003 are yet to be notified by the Government of U.P. and the opening balances as on 12.08.2003 will be adjusted accordingly.
4. The paid-up and subscribed share capital comprises of 19463774 shares of Rs. of 1000.00 each allotted to U.P.P.C.L in consideration of the transfer scheme as mentioned above.
5. The energy is being purchased as bulk supply from UPPCL, the Holding Company.
6. In the absence of assets wise break up of Plant and Machinery, Lines, Cables and Other assets, the depreciation on these assets have been charged @ 4.75%, on the value transferred under the Transfer Scheme, 2003 and on the transactions made by Nigam during the period 01.04.2013 to 31.03.2014, as per the rates prescribed in the Companies Act, 1956.
7. (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 & doubtful debts against revenue from sale of power has been made @5% on the incremental basis.
8. Based on actuarial valuation report submitted by M/s Price Waterhouse Coopers to UPPCL (the Holding Company) provision for accrued liability on account of Pension and Gratuity for the period from 01.04.2013 to 31.03.2014 has been made @ 16.70% and 2.38% respectively on the amount of basic pay and DA paid to employees.
9. The recovery of advances to employee is being affected by the company on behalf of the Holding Company UPPCL, as these advances were granted before the incorporation of Company.
10. 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.
11. Since the Company is principally engaged in the business of Electricity and there are no other reportable segment as per AS-17 hence the disclosure as per AS-17 on segment reporting is not required.
12. The disclosure as required as per AS-18 issued by ICAI on related parties transactions is not applicable as the Accounting Standard provides that "no disclosure is required in the financial statement of State-controlled enterprises as regards related party relationship with other state-controlled enterprises and transactions with such enterprises."



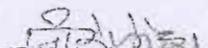


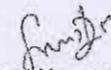




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13. Due to losses during the period and uncertainty to recover such losses in near future, accounting of deferred tax assets as required by AS-22 issued by ICAI New Delhi has not been made.
14. The figures as shown in the Balance Sheet, Profit & Loss Statement and Schedules have been rounded off to the nearest rupee.
15. Previous year figures have been regrouped and reclassified wherever considered necessary
16. Last Year Figures are taken as per Audited Balance Sheet as on 31.03.2013.
17. Audit under Companies Act is in progress so provisional Balance Sheet is prepared and Audited for tax audit purpose.

  
(P.K. Jauhan)  
General Manager (FA&A)

  
(Saroj Kumar Mishra)  
Director (Finance)

  
(Prabhu N. Singh)  
Managing Director

