



उत्तर प्रदेश UTTAR PRADESH

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BEFORE THE UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION
LUCKNOW

Filing No.

Case No.

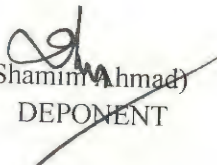
IN THE MATTER OF :

Madhyanchal Vidyut Vitran Nigam Limited Ltd., Lucknow -
filing of Annual Revenue Requirement for FY 2016-17 and
True-up for FY 2013-14.

I, Shamim Ahmad S/o Late Nasir Ahmad do solemnly affirm and say as under :-

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

Date : 01, December, 2015


(Shamim Ahmad)
DEPONENT

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MADHYANCHAL VIDYUT VITRAN NIGAM LIMITED

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



MADHYANCHAL VIDYUT VITRAN NIGAM LIMITED

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I. BACKGROUND AND PROCEDURAL HISTORY

1.1 BACKGROUND

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

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

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

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

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

Madhyanchal Vidyut Vitaran Nigam Limited (hereinafter referred as 'LUCKNOW DisCom' or 'MVVNL') came in to existence in 2003 as a subsidiary company of UPPCL and is responsible for power distribution in DisCom covering its jurisdiction area of districts Badaun, Bareilly, Pilibhit, Shahjahanpur, Lakhimpur, Hardoi, Sitapur, Unnao, Bahraich, Shravasti, Balrampur, Gonda, Barabanki, Rae Bareilly, Faizabad, Sultanpur, Ambedkarnagar, Lucknow and Chhatrapati Sahuji Maharaj Nagar.


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1.2 DISTRIBUTION TARIFF REGULATIONS

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

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

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

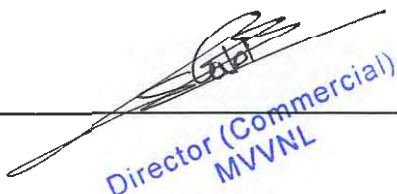
The True-up Petition for FY 2011-12 along-with ARR / Tariff Petition for FY 2014-15 and True up Petition for FY 2008-09 to FY 2010-11 was filed by MVVNL under Sections 62 and 64 of the Electricity Act, 2003 on 29th November, 2013 and 13th May, 2013 respectively (Petition Nos. 920 / 2013 and 886 / 2013).

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

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

Further, the Commission conducted the public hearing in the above matter for MVVNL on 30th July, 2014 at Lucknow.

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


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

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

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

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

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

The ARR / Tariff Petition for FY 2015-16 and True up Petition for FY 2012-13 was filed by the Petitioner under Sections 62 and 64 of the Electricity Act, 2003 on 8th December 2014 (Petition No. 988/2014).



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

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

The Hon'ble Commission issued tariff Order on above petitions on 18th June 2015 conducting the final truing up for the financial year 2012-13 along with the order determining the Annual Revenue Requirement and Tariff for FY 2015-16. After the increase in tariff, provision of carrying cost on un-recovered gaps and considering the revenue from regulatory surcharge, the Hon'ble Commission had approved a total gap of Rs. 5871.03 crore.

1.5 ARR PETITION FOR FY 2016-17

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

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

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

1.6 STRUCTURE OF THE ARR PETITION FOR FY 2016-17

The structure of this ARR Petition is as under:

Chapter 1 Background and Procedural History

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



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issues that describe the structure of the submission.

Chapter 2 True up Petition for FY 2013-14

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

Chapter 3 Progress of the Various Efficiency Improvement Measures taken by the Petitioner

This section summarizes the various system improvement measures taken by the Petitioner to improve commercial efficiencies in its area of supply and the progress of such steps over the years

Chapter 4 Capital Investment Plan

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

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

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

Chapter 6 Load Forecast and Revenue Assessment

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

Chapter 7 ARR for Wheeling and Retail Supply Business


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

Chapter 8 Treatment of the Revenue Gap

This sections deals with the treatment of the revenue gap

Chapter 9 Prayers

The main prayers are summarized in this section



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2. TRUE UP PETITION FOR FY 2013-14

2.1 TRUE-UP SUMMARY FOR FY 2013-14

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

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

(All figures in Rs Crore)

Particulars	Approved	Actuals as per audited accounts	True-up Petition
Power Purchase Expenses	5,830.95	6,693.04	5,791.63
Apportionment of O&M Expenses of UPPCL#			28.97
Transmission Charges	200.50	298.94	268.93
Employee Expenses	469.55	500.06	500.06
Repair and Maintenance Expenses	153.03	225.00	225.00
A&G Expenses	87.52	163.71	163.71
Gross Interest on Long Term Loans	119.69	247.87	112.02
Interest on Bonds		162.55	162.55
Interest to Consumer	18.86	19.15	19.15
Finance Charges	0.09	0.07	0.07
Interest on Working Capital	103.58	574.79	70.55
Discount to Consumers	-	-	-
Depreciation	258.23	129.82	258.04
Prior Period Expenses		(23.18)	(23.18)
Other Misc Expenses / Incomes	-	-	-
Provision for Bad and Doubtful Debts	-	(31.32)	63.14
Gross Expenditure	7,242.01	8,960.49	7,640.64
Less: Employee Capitalisation	70.43	121.66	121.66
Less: A&G Capitalisation	13.13	16.84	16.84
Less: Interest Capitalisation	27.53	10.38	10.38
Total Capitalisation	111.09	148.88	148.88
Net Expenditure	7,130.92	8,811.62	7,491.76
Add: Return on Equity	-	-	-
Less: Non-tariff Incomes	14.40	32.44	32.44
Annual Revenue Requirement	7,116.52	8,779.17	7,459.32
Revenue from Tariff incl DPS	6,092.48	4,698.54	4,698.54
GoUP Subsidy	817.40	817.86	817.86
Net Revenue Gap	206.64	3,262.77	1,942.91



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

2.1.1 POWER PURCHASE EXPENSE

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

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

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

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

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

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

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

The Hon'ble Commission in its True-up Order for FY 2008-09 to FY 2011-12 dated 01st October, 2014 as well as in the Order dated 18th June 2015 in Petition No. 988/2014 in respect of true-up for FY 2012-13 had considered a philosophy, wherein the efficiency target of Distribution loss


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

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

Particulars	Unit	Approved	Actuals	True-up Petition
Power Purchase	MU	14,862.75	14,252.93	14,252.93
Sales	MU	11,444.00	10,710.70	10,710.70
Distribution Loss Target	%	23.00%	24.85%	23.00%
Allowable Power Purchase	MU			13,910.39
Trued up Bulk Supply Tariff	Rs/kWh			4.16
Allowable Power Purchase Cost				5,791.63

2.1.2 TRANSMISSION CHARGES

In the Tariff Order for FY 2013-14 for the Petitioner, the Hon'ble Commission has approved the Transmission Charges of Rs. 200.50 crore (@ Rs. 0.135 per kWh) towards a projected power purchase of 14,862.75 MU.

As per the audited accounts, the Petitioner has incurred Rs. 298.94 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. 268.93 crore which have been computed by multiplying the allowable power purchase input of 13,910.39 MU MU (determined in foregoing section) by the trued up transmission charge of Rs. 0.1933 per kWh which has been traced from the True-up Petition filed by the UPPTCL before the Hon'ble Commission for FY 2013-14.

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

Particulars	Unit	Approved	Actuals	True-up Petition
Units Wheeled	MU	14,862.75	14,252.93	13,910.39
Trued up Transmission Charge	Rs/kWh	0.135	0.210	0.1933
Transmission Charges	Rs Crore	200.50	298.94	268.93


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Accordingly, the Petitioner submits that, against the approved intra-state transmission charges of Rs. 200.50 crore, the allowable transmission charges for FY 2013-14 are to the tune of Rs. 268.93 crore.

2.1.3 OPERATION AND MAINTENANCE EXPENSES

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

The Petitioner submits that the actual gross employee expenses were Rs. 500.06 crore as against Rs. 469.55 crore approved by the Hon'ble Commission in the Tariff Order for FY 2013-14. The employee expenses capitalised as per audited accounts are to the tune of Rs. 121.66 crore as against Rs. 70.43 crore approved in the Tariff Order. Thus, the net employee expenses as per audited accounts are Rs. 378.41 crore as against Rs. 399.12 crore approved in the Tariff Order.

Further, the Petitioner submits that the actual gross A&G expenses were Rs. 163.71 crore as against Rs. 87.52 crore approved by the Hon'ble Commission in the Tariff Order for FY 2013-14. The A&G expenses capitalised as per audited accounts are to the tune of Rs. 16.84 crore against Rs. 13.13 crore approved in the Tariff Order. Thus, the net A&G expenses as per audited accounts are Rs. 146.87 crore as against Rs. 74.39 crore approved in the Tariff Order.

The actual repair and maintenance expenses for FY 2013-14 were Rs. 225.00 crore as against Rs. 153.03 crore approved by the Commission in the Tariff Order.

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

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

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

(All figures in Rs Crore)

Particulars	Tariff Order	Actuals as per audited accounts	True-up Petition
Employee Expenses	469.55	500.06	500.06
Repair & Maintenance Expenses	153.03	225.00	225.00
Administrative and General Expenses	87.52	163.71	163.71
Gross Operation and Maintenance Expenses	710.11	888.76	888.76


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Particulars	Tariff Order	Actuals as per audited accounts	True-up Petition
Less: Capitalisation			
Employee Cost Capitalized	70.43	121.66	121.66
A&G Expenses Capitalized	13.13	16.84	16.84
Total Capitalization	83.56	138.50	138.50
Net Operation and Maintenance Expenses	626.55	750.27	750.27

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 2013-14 has claimed the interest and finance charges based on the same philosophy.

Considering the Capital Work in Progress balances (CWIP) and Gross Fixed Asset (GFA) balances as per audited accounts, the Petitioner has derived the actual capital investments undertaken by it in FY 2013-14. The details are provided in the table below:

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

(All figures in Rs Crore)

Particulars	Derivation	True up Petition
Opening WIP as on 1st April	A	1201.23
Investments	B	1138.71
Employee Expenses Capitalisation	C	121.66
A&G Expenses Capitalisation	D	16.84


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Particulars	Derivation	True up Petition
Interest Capitalisation on Interest on long term loans	E	10.38
Total Investments	F= A+B+C+D+E	2488.81
Transferred to GFA (Total Capitalisation)	G	1001.27
Closing WIP	H= F-G	1487.55

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

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

(All figures in Rs Crore)

Particulars	True up Petition
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	865.33
Additions during the year	184.20
Less: Amortisation	45.54
Closing Balance	1,003.99

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


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

(All figures in Rs Crore)

Particulars	Derivation	True up Petition
Investment	A	1,138.71
Less:		-
Consumer Contribution	B	184.20
Investment funded by debt and equity	C=A-B	954.51
Debt Funded	70%	668.16
Equity Funded	30%	286.35

Thus, from the above tables it is seen, that the Petitioner has made an investment of Rs. 1,138.71 crore in FY 2013-14. The consumer contributions, capital subsidies and grants received during the corresponding period is Rs. 184.20 crore. Thus, balance Rs. 954.51 crore have been funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 668.16 crore or 70% of the capital investment is approved to be funded through debt and balance 30% equivalent to Rs. 286.35 crore through equity. Allowable depreciation for the year has been considered as normative loan repayment.

The actual weighted average rate of 9.24% 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 2013-14.


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Considering the above, the gross interest on long term loan is Rs. 112.02 crore. The interest capitalisation has been considered at the same rate as per audited accounts. The computations for interest on long term loan are depicted below:

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

(All figures in Rs Crore)

Particulars	True up Petition
Opening Loan	1,006.69
Loan Additions (70% of Investments)	668.16
Less: Repayments (Depreciation allowable for the year)	258.04
Closing Loan Balance	1,416.81
Weighted Average Rate of Interest	9.24%
Interest on long term loan	112.02
Interest Capitalisation Rate	9.27%
Less: Interest Capitalized	10.38
Net Interest Charged	101.64


2.1.4.1 INTEREST ON CONSUMER SECURITY DEPOSITS

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

The Petitioner humbly submits that the actual interest on consumer security deposit paid in FY 2013-14 is to the tune of Rs. 19.15 crore as against Rs. 18.86 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. 0.07 crore as per audited accounts towards expenditures like bank charges, finance charges, etc as against Rs. 0.09 crore approved in tariff order and the same be allowed in the true up for FY 2013-14.


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2.1.4.3 INTEREST ON WORKING CAPITAL

In the Tariff Order for FY 2013-14, the Hon'ble Commission had allowed Rs. 103.58 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. 70.55 crore towards interest on working capital for FY 2013-14 as computed in the table below:

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

(All figures in Rs Crore)

Particulars	Derivation	True up Petition
O&M Expenses		
Employee Expenses		500.06
R&M Expenses		225.00
A&G Expenses		163.71
Total O&M Expenses	A	888.76
One Month's O&M Expenses	$B = 1/12 \text{ of } A$	74.06
Book Value of Stores	C	106.14
One twelfth of the sum of book value of the material in stores	$D = 1/12 \text{ of } C$	8.85
Receivable equivalent to 60 days average billing of consumers	E	772.36
Less: Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	F	290.90
Total Working Capital Requirement	G = B + D + E - F	564.37
Interest rate	H	12.50%
Interest on working capital	I = G x H	70.55

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

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

(All figures in Rs Crore)

Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
A: Interest on Long Term Loans			
Gross Interest on Long Term Loan	119.69	247.87	112.02
Interest on Bonds	0.00	162.55	162.55
Less: Interest Capitalisation	27.53	10.38	10.38


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Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
Net Interest on Long Term Loans	92.16	400.04	264.19
B: Finance and Other Charges			
Interest on Consumer Security Deposits	18.86	19.15	19.15
Bank Charges	0.09	0.07	0.07
Discount to Consumer	0.00	0.00	0.00
Finance Charges	0.00	0.00	0.00
Total Finance Charges	18.95	19.22	19.22
C: Interest on Working Capital	103.58	574.79	70.55
Total (A+B+C)	214.69	994.05	353.96

2.1.5 DEPRECIATION

The actual depreciation expense charged in the audited accounts is Rs. 129.82 crore. However, the same has been accounted for considering the depreciation rates prescribed by the Companies Act, 1956.

The Petitioner has computed the allowable depreciation expense on the GFA base as per audited accounts for FY 2013-14 and at the rates approved by the Commission in the Tariff Order for FY 2013-14 i.e., @ 7.84%. The Petitioner has computed the depreciation only on the depreciable asset base and has excluded the non-depreciable assets such as land, land rights, etc.

Considering this philosophy, the gross entitlement towards depreciation has been computed at Rs. 303.58 crore.

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

(All figures in Rs Crore)

Particulars	Opening GFA	Additions to GFA	Deductions to GFA	Closing GFA	Depreciation Rates considered	Allowable Depreciation
Land & Land Rights						
i) Unclassified	0.03	-	-	0.03		-
ii) Freehold Land	-	-	-	-		-
Buildings	33.76	12.40	-	46.15	7.84%	3.13
Other Civil Works	-	-	-	-	7.84%	-
Plants & Machinery	538.18	692.91	431.94	799.15	7.84%	52.42
Lines, Cable Network etc.	1,377.21	294.74	23.47	1,648.48	7.84%	118.61

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Particulars	Opening	Additions to	Deductions	Closing	Depreciation	Allowable
Vehicles	4.16	0.00	-	4.16	7.84%	0.33
Furniture & Fixtures	4.87	0.90	-	5.77	7.84%	0.42
Office Equipments	40.09	0.32	-	40.41	7.84%	3.16
Jeep & Motor Car	-	-	-	-		-
Total	1,998.31	1,001.27	455.42	2,544.16		178.06
Fixed Asset as per Transfer Scheme	1,601.03	-	-	1,601.03	7.84%	125.52
GRAND TOTAL	3,599.34	1,001.27	455.42	4,145.19	7.84%	303.58

The Petitioner has traced the figures in respect of depreciation charged on assets created out of consumer contributions, capital grants and subsidies from the audited accounts. This equivalent depreciation amounting to Rs. 45.54 crore has been reduced from the allowable depreciation for FY 2013-14.

Thus the allowable depreciation for FY 2013-14 is Rs. 258.04 crore as depicted in the table below:

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

(All figures in Rs Crore)

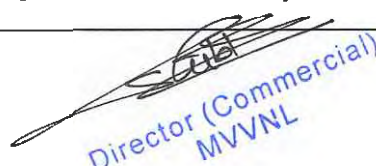
Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
Gross Allowable Depreciation	322.79	175.36	303.58
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	64.56	45.54	45.54
Net Allowable Depreciation	258.23	129.82	258.04

2.1.6 PRIOR PERIOD EXPENSES AND OTHER EXPENSES

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

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

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


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Also there have been some other miscellaneous expenses which have been identified and incorporated in the financial statements for FY 2013-14, such as Provision for Loss against theft of Fixed Assets pending investigation, Provision for Bad & Doubtful Dues from staff on accounts or various reasons, etc.

In the audited financial statements of the Petitioner for FY 2013-14, there has been recognition of Rs -4.69 crore of prior period incomes and prior period expenses of Rs -27.87 crore, thereby decreasing the eligible true-up by Rs. -23.18 crore.

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

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

(All Figures in Rs Crore)

Particulars	True up Petition
Income	
Receipt from consumers	(4.69)
Sub-Total A	(4.69)
Expenditure	
Operating Expenses	0.22
Employee Cost	(28.32)
Admn. Expenses	0.23
Sub-Total B	(27.87)
Net prior period (Credit)/Charges : B-A	(23.18)

2.1.7 PROVISION FOR BAD AND DOUBTFUL DEBTS

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

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

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

(All Figures in Rs Crore)

Particulars	Rs Crore
Total Revenue Receivables from Retail Sales	3156.99
% of Provision for Bad and Doubtful Debts	2%
Provision for Bad and Doubtful Debts	63.14


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2.2 REVENUE SIDE TRUING UP

2.2.1 REVENUE FROM SALE OF POWER

The Hon'ble Commission had projected revenue from sale of power of Rs. 6,092.48 crore for FY 2013-14. The audited accounts have reported the actual revenue from sale of power to be Rs. 4,698.54 crore (including delayed payment surcharge) towards electricity sales of 10,710.70 MU.

2.2.2 NON TARIFF INCOMES

The Petitioner submits that against the projected non tariff incomes of Rs. 14.40 crore in the Tariff Order, the actual non tariff incomes have been Rs. 32.44 crore.

2.2.3 GOUP SUBSIDY

In the Tariff Order for FY 2013-14, the Hon'ble Commission had projected the revenue subsidy from GoUP to be Rs. 817.40 crore. However the actual subsidy received from GoUP by the Petitioner is Rs. 817.86 crore.

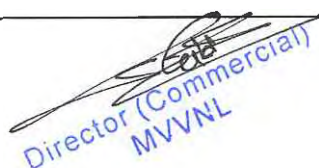
2.2.4 AGGREGATE REVENUE REQUIREMENT FOR FY 2013-14 AFTER TRUING UP

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

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

(All figures in Rs Crore)

Particulars	Approved	Actuals as per audited accounts	True-up Petition
Power Purchase Expenses	5,830.95	6,693.04	5,791.63
Apportionment of O&M Expenses of UPPCL#			28.97
Transmission Charges	200.50	298.94	268.93
Employee Expenses	469.55	500.06	500.06
Repair and Maintenance Expenses	153.03	225.00	225.00
A&G Expenses	87.52	163.71	163.71
Gross Interest on Long Term Loans	119.69	247.87	112.02
Interest on Bonds		162.55	162.55
Interest to Consumer	18.86	19.15	19.15
Finance Charges	0.09	0.07	0.07
Interest on Working Capital	103.58	574.79	70.55
Discount to Consumers	-	-	-


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Particulars	Approved	Actuals as per audited accounts	True-up Petition
Depreciation	258.23	129.82	258.04
Prior Period Expenses		(23.18)	(23.18)
Other Misc Expenses / Incomes	-	-	-
Provision for Bad and Doubtful Debts	-	(31.32)	63.14
Gross Expenditure	7,242.01	8,960.49	7,640.64
Less: Employee Capitalisation	70.43	121.66	121.66
Less: A&G Capitalisation	13.13	16.84	16.84
Less: Interest Capitalisation	27.53	10.38	10.38
Total Capitalisation	111.09	148.88	148.88
Net Expenditure	7,130.92	8,811.62	7,491.76
Add: Return on Equity	-	-	-
Less: Non-tariff Incomes	14.40	32.44	32.44
Annual Revenue Requirement	7,116.52	8,779.17	7,459.32
Revenue from Tariff incl DPS	6,092.48	4,698.54	4,698.54
GoUP Subsidy	817.40	817.86	817.86
Net Revenue Gap	206.64	3,262.77	1,942.91

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. 1,942.91 crore. The Petitioner humbly requests the Hon'ble Commission to consider the same along with the ARR for FY 2016-17.


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3. PROGRESS OF VARIOUS EFFICIENCY IMPROVEMENT MEASURES UNDERTAKEN

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

SYSTEM IMPROVEMENT INITIATIVES

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


3.1 ENHANCEMENT OF CAPACITY OF EXISTING 33KV SUBSTATIONS

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

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

3.2 CONSTRUCTION OF NEW 33KV SUBSTATIONS

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


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3.3 ADDITION OF NEW TRANSFORMERS

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

3.4 OTHER INITIATIVES

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

3.5 COMMERCIAL PROCESS IMPROVEMENT

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

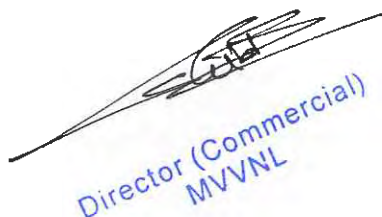

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- g. Special camps are organized to collect revenue from the consumers to solve their problems on the spot.
- h. Regularization of illegal connections and ledgerisation of unledgerised connections is being monitored to arrest revenue loss.
- i. NA/NR/IDF/ADF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

3.6 DEDICATED 24X7 CALL CENTRE

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

The redressal time frame for different complaints categories range from four hours to 15 days, and unaddressed complaints are forwarded to every subsequent higher officials 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.

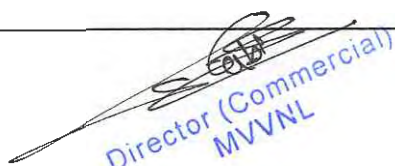
The various schemes under which the capital expenditure programs are envisaged are detailed below:

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 GoI as the Nodal Agency for the programme. The programme spans from data acquisition at distribution level till monitoring of results of steps taken to provide an IT backbone and strengthening of the Electricity Distribution system across the Country under the programme. The objective of the programme is reduction of AT&C losses to the extent of 15% in project areas.

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

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


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

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

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

4.2 RURAL ELECTRIFICATION PROGRAMME (RGGVY)

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

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

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

4.3 ENERGISATION OF PRIVATE TUBE WELLS (PTW)

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


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4.4 OTHER SCHEMES

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

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

4.5 AUGMENTATION OF DISTRIBUTION NETWORK

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

4.6 METERING OF CONSUMERS

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

4.7 INSTALLATION OF AERIAL BUNCHED CONDUCTORS

Unauthorized consumption of electricity is the most important area of concern for the petitioner. The major component of losses in distribution is commercial losses, which is primarily due to theft. In order to reduce the same the existing over head lines are envisaged to be replaced by 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 2015-16 AND 2016-17

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

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

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


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Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Construction of 33 kV Line	480	43.73	18.74		62.46
System Improvement of 33 kV Lines	680	26.92	11.54		38.45
Construction of 33/11 kV Substations	28	42.81	18.35		61.15
Replacement of damaged / obsolete 33 kV BCV	44	1.58	0.68		2.25
Replacement of Distribution Transformers	36	1.58	0.68		2.25
Rural Electrification	28	0.18	0.08		0.26
Replacement of old and damaged poles	21600	4.04	1.73		5.78
Earthing works	6300	4.54	1.95		6.49
Replacement of old and damaged conductors	1360	2.97	1.27		4.24
Plinth & Fencing Works	1040	1.34	0.57		1.91
D.C. Battery / Battery Charger / Relay	340	1.00	0.43		1.43
Replacement of old switchgears	300	1.58	0.68		2.25
Construction / Replacement of LT Line	200	2.76	1.18		3.94
Guarding of Lines	1000	0.53	0.23		0.75
Other Misc Works	100	0.18	0.08		0.26
Other Misc Works	8	0.16	0.07		0.23
Construction of 11kV Feeders in Rural Areas	-	131.31	56.27		187.58
RGGVY Phase I - Consultancy	-	27.59	11.83		39.42
R-APDRP Part A	-	4.54	1.95		6.49
R-APDRP Part B	-	6.64	2.84		9.48
Tehsil Town (PMC)	-	0.62	0.26		0.88
Capital Works under Vyapar Vikas Nidhi	0	196.96	84.41		281.37
Energisation of PTW	23500	104.91	44.96		149.88
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme					0.00
33/11 kV Substations under Tehsil Scheme	20	61.46	26.34		87.79
RGGVY Works		8.88	3.80		12.68
R-APDRP Non SCADA Works		77.81	33.35		111.15
R-APDRP SCADA Works		297.24	127.39		424.63
Deposit Works				337.35	337.35
Total		1338.14	573.49	337.35	2248.97


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

Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Replacement of Meters					
Single Phase	38000	5.72	2.45		8.18
Three Phase	1950	0.81	0.35		1.16
LT TVM	200	0.08	0.03		0.12
11 kV TVM	75	0.03	0.01		0.05
33 kV TVM	25	0.01	0.01		0.02
11 kV Metering Cubicle	40	0.12	0.05		0.17
33 kV Metering Cubicle	10	0.04	0.02		0.06
11 kV C.T./ P.T Unit	50	0.09	0.04		0.13
33 kV C.T./ P.T Unit	20	0.03	0.01		0.04
11 kV C.T for 33 kV S/S	250	0.13	0.06		0.18
11 kV P.T for 33 kV S/S	50	0.05	0.02		0.08
Double Metering	180	0.25	0.11		0.36
AERIAL BUNCHED CONDUCTORS	225	4.54	1.94		6.48
Construction of 11 kV Line	180	3.72	1.59		5.31
System Improvement of 11 kV Lines	710	4.65	1.99		6.64
Construction of 11/0.4 kV Substations	425	13.61	5.83		19.45
Capacity Enhancement of 11/0.4 kV Substations	650	9.77	4.19		13.96
Replacement of 11kV Cable	24	2.45	1.05		3.50
Replacement of 11 kV Switchgears	175	3.13	1.34		4.47
Purchase of mobile transformer trolley -6.6./0.4 kV 400 KVA	30	1.29	0.55		1.84
System Augmentation of Distribution Network	50	444.29	190.41		634.70
Capacity Enhancement of 33/11 kV Substations	70	22.79	9.77		32.56
Construction of 33 kV Line	120	11.28	4.83		16.11
System Improvement of 33 kV Lines	170	6.94	2.98		9.92
Construction of 33/11 kV Substations	7	11.04	4.73		15.77
Replacement of damaged / obsolete 33 kV BCV	11	0.41	0.17		0.58
Replacement of Distribution Transformers	9	0.41	0.17		0.58
Rural Electrification	7	0.05	0.02		0.07
Replacement of old and damaged poles	5400	1.04	0.45		1.49
Earthing works	1575	1.17	0.50		1.67
Replacement of old and damaged conductors	340	0.77	0.33		1.09
Plinth & Fencing Works	260	0.35	0.15		0.49

Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
D.C. Battery / Battery Charger / Relay	85	0.26	0.11		0.37
Replacement of old switchgears	75	0.41	0.17		0.58
Construction / Replacement of LT Line	50	0.71	0.30		1.02
Guarding of Lines	250	0.14	0.06		0.19
Other Misc Works	25	0.05	0.02		0.07
Other Misc Works	2	0.04	0.02		0.06
Construction of 11kV Feeders in Rural Areas	-	67.74	29.03		96.76
RGVY Phase I - Consultancy	-	9.49	4.07		13.56
R-APDRP Part A	-	4.69	2.01		6.70
R-APDRP Part B	-	7.85	3.36		11.21
Tehsil Town (PMC)	-	2.01	0.86		2.87
Capital Works under Vyapar Vikas Nidhi		141.31	60.56		201.87
Energisation of PTW	11750	54.12	23.19		77.32
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme	515	63.61	27.26		90.88
33/11 kV Substations under Tehsil Scheme	66	201.43	86.33		287.76
RGVY Works		9.16	3.92		13.08
R-APDRP Non SCADA Works		93.68	40.15		133.83
R-APDRP SCADA Works		297.24	127.39		424.63
Deposit Works				350.00	267.40
Total		1505.00	645.00	350.00	2500.00

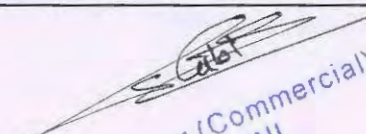

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5. COMPLIANCE OF HON'BLE COMMISSION'S DIRECTIVES

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

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

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


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


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Ref Sl No	Description of Directive	Status of Compliance
	the Licensees like disallowance of additional power purchase expenses and the associated carrying cost on account of additional Power Purchase expenses or any other action that the Commission may deem fit while doing the Truing up.	July to September 2015 by the end of December 2015.
13	As regards the RPO Obligation the Licensees are directed to ensure that they procure renewable energy in accordance with Regulation 4 of the UPERC (Promotion of Green Energy through Renewable Purchase Obligation) Regulations, 2010 during FY 2014-15 to meet their obligation.	The Petitioner humbly submits that the RPO obligation is being met through purchase from cogen and solar power producers.
14	As regards the choice of connection, the Licensee, in accordance with the provisions of the supply code wherein the consumer has the choice to opt the supplier, is directed to release connections to all such consumers who desire to disconnect their connections from the single point supplier and instead wish to take connections directly from the Licensee and submit the status report on the same along with next ARR filing	Wherever feasible (both technically and economically), the Petitioner is complying with the provisions of the Supply Code.
15	The Licensee is directed to file a separate Petition for approval of prior period expenses / incomes. The Petition should clearly indicate the head-wise year-wise bifurcation of prior period expenses / incomes clearly indicating the impact of such expenses / incomes on various ARR components, and such impact should not exceed the normative expenses for any particular year.	<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>The desired information is required to be made available by the respective field unit which would be compiled at the zonal level and then zonal accounts would be compiled at the corporate level. Given the complexity and time involved in this task, the Petitioner humbly seeks waiver from</p>


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


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Ref Sl No	Description of Directive	Status of Compliance
21	The Petitioner should file its Annual ARR/ Tariff Petition for FY 2016-17 as per the Regulations 12.2, 12.7, 12.8, 12.9 notified vide MYT Regulations, 2014	The instant petition has been filed duly complying with the indicated provisions of the 2014 Tariff Regulations.
22	The Petitioner should complete the Assessment Study of metered consumers as per the Regulations 16.2 notified vide MYT Regulations, 2014 and subsequently submit the report to the Commission	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
23	The Petitioner should complete the Assessment Study of un-metered consumers to establish base line norms as per the Regulations 17.1 notified vide MYT Regulations, 2014 and subsequently submit the report to the Commission	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
24	The Petitioner should complete the Study of Agriculture feeders segregated and not segregated in significant numbers to determine base line norms as per the Regulations 17.2, 17.3 notified vide MYT Regulations, 2014 and subsequently submit the report to the Commission	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
25	The Commission reiterates that the Licensees should conduct a detailed study to provide accurate and effective consumption norms as specified by the Commission in its earlier Orders and as per the provisions outlined in Uttar Pradesh Electricity Regulatory Commission (Multi Year Distribution Tariff) Regulations, 2014 in the time bound manner.	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
26	The Petitioner should submit Incremental Power Purchase Cost as per the Regulations 20.1 notified vide MYT Regulations, 2014 and subsequently submit the report to the Commission	The Petitioner understands that it is required to submit the FPPCA petition up to 31.3.2017.
27	The Petitioner should submit Roadmap for Reduction of Cross Subsidy as per the Regulation 39 notified vide MYT Regulations, 2014	The Petitioner would endeavor to meet the deadlines prescribed by the Hon'ble Commission.
28	The Petitioner should record and maintain Division wise, Circlewise AT&C Losses and submit the quarterly report to the Commission.	The Petitioner had filed such report along with the data gaps reply pertaining to the ARR petition for FY 2015-16.
29	The Petitioner should submit month wise	The information pertaining to the supply hours has


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

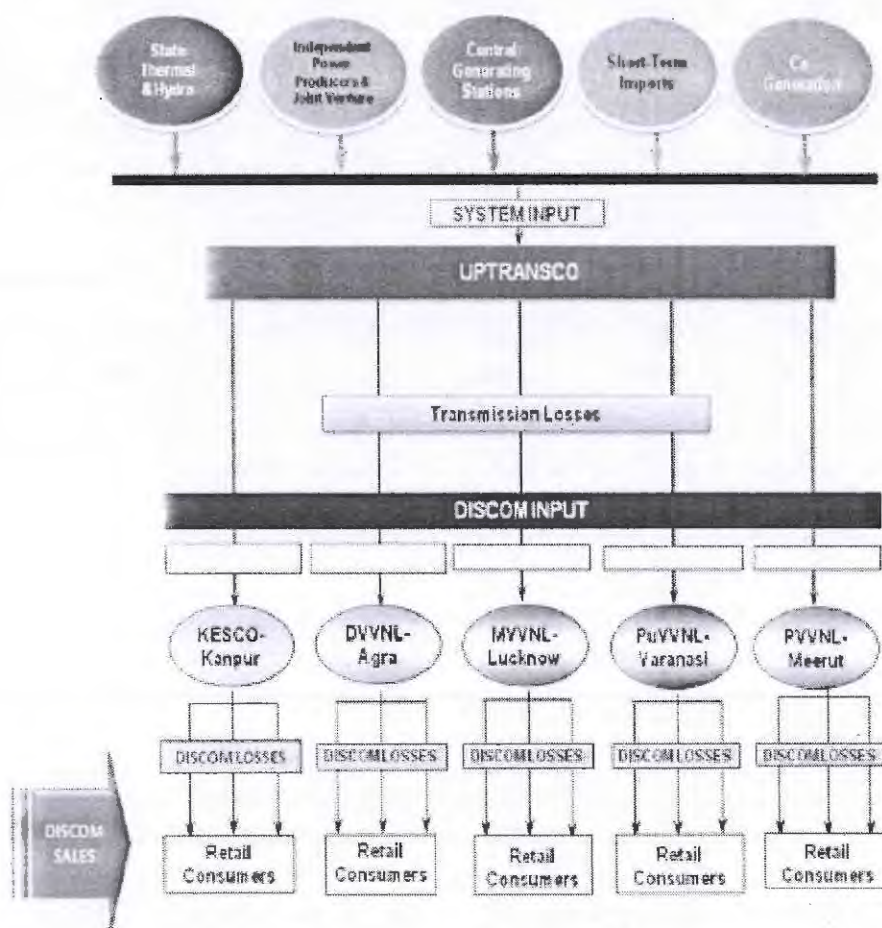

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6. LOAD FORECAST AND REVENUE ASSESSMENT

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

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

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

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

- b) Projecting the running hours supply;


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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

Description	Projected Approx. Running Hours		
	Base Year (2014-15)	2015-16	2016-17*
Mahanagar – M	21:59	22:44	24:00
District – D	18:11	18:38	22:00
Commissionary - C	20:54	21:26	24:00
Rural – R	11:15	10:57	16:00
Bundelkhand – B	17:21	17:41	22.00

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

- f. Demand Side Management - Category wise energy Billed was calculated by applying the DSM factor.
- g. Following three ratios were determined for each set of commercial data of a given consumer category/ sub-category for each year:
 - 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

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5/7/10 years' CAGR was adopted. The adopted value of CAGR was applied across all sub-categories within a given consumer category.

- Applied the CAGR so adopted to determine forecasted values of number of consumers, taking 2014-15 as the base year.

b) Connected load:

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

c) Energy Sales:

i. LMV 1 & LMV 10 Consumer categories:

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

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

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

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

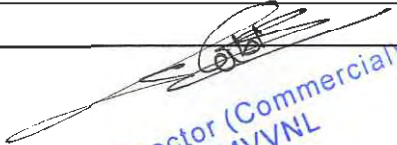
Forecasted value of energy sales for a given consumer sub-category was obtained by multiplying the forecasted value of connected load by the standard value of energy sales per kW connected load laid down in the norms.

iv. Rural state tube wells:

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

Table 6-3: Consumption Determinant

Sr.No	Category of Un-Metered Consumer	Units	Consumption of Energy Per Month
1	Private Tube Well	KWh/KW	137.49
2	Domestic Rural Consumers	KWh/KW	108
3	Rural Commercial Consumers	KWh/KW	108
4	Rural State Tube Well	KWh/Consumer or Pump	5343.53


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

b) Number of consumers:

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

c) Energy sales:

- Year wise and sub-category wise energy sales forecasts were obtained by multiplying the forecasted value of connected load by the highest ratio of energy sales per kW connected load of the last three years.
- Year wise and sub-category wise energy sales forecasts were obtained by multiplying the forecasted value of sales MU by the running hour factors.
- Year wise and sub-category wise energy sales forecasts were obtained by multiplying the forecasted value of sales MU by the 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 (2014-15)	2015-16	2016-17
PaVVNL (Retail)	19.66%	19.52%	18.00%
PuVVNL	23.88%	20.93%	19.25%
MVVNL	22.88%	21.03%	19.00%
DVVNL (Retail)	29.49%	29.00%	26.00%
KESCO	26.04%	23.50%	22.00%

b. Transmission Losses:

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

c. Allocation of Additional Energy:

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

6.1.7 INPUT ENERGY REQUIREMENT

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

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

6.1.8 SALES FORECASTS FOR 2015-16 & 2016-17

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

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


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Table 6-5: Energy Balance

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

6.2 SALES FORECAST

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

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


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a) LMV Consumers – Sub-category-wise

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

Table 6-6: LMV Consumers Growth Rate

CONSUMER NUMBER - CAGR							
SUPPLY TYPE		CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
LMV--1		Rural					
		Urban					
	(A)	Consumer getting supply as per "Rural Schedule"					
		(i) Un-metered	3%	2%	2%	0%	-2%
		(ii) Metered	4%	20%	16%	0%	58%
	(B)	Supply at Single Point for Bulk Load	11%	-59%	-60%	0%	10%
	(C1)	Other Metered Domestic Consumers	3%	4%	5%	0%	10%
	(C2)	Life Line Consumers/BPL	30%	57%	93%	0%	20%
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	6%	7%	7%	5%	
LMV--2		Rural					
		Urban					
	(A)	Consumer getting supply as per "Rural Schedule"					
		(i) Un-metered	-2%	7%	7%	0%	5%
		(ii) Metered	35%	2%	2%	0%	25%
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-100%	-100%	0%	0%	0%
	(C)	Other Metered Non-Domestic Supply	-2%	3%	3%	0%	2%
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	-1%	3%	3%	3%	
LMV--3	A	Rural					
		Urban					
	(A)	Un-metered Supply					
		(i) Gram Panchyat	55%	85%	39%	0%	1%
		(ii) Nagar Palika & Nagar Panchyat	-81%	-57%	-39%	0%	4%
		(iii) Nagar Nigam	5%	-44%	-10%	0%	5%
	(B)	Metered Supply		0%	0%	0%	
		(i) Gram Panchyat	-100%	-100%	-100%	0%	50%
		(ii) Nagar Palika &	9%	1%	10%	0%	9%



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CONSUMER NUMBER - CAGR								
SUPPLY TYPE		CATEGORY		Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
			Nagar Panchyat					
		(iii)	Nagar Nigam	-5%	4%	39%	0%	5%
SUB TOTAL		PUBLIC LAMPS (LMV-3)		-18%	-6%	2%	2%	
LMV--4	A	Rural						
		Urban						
	B	Rural						
		Urban						
	(A)	Public Institution(4 A)		8%	22%	15%	0%	8%
	(B)	Private Institution(4 B)		-13%	-6%	-4%	0%	5%
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)		4%	15%	11%	11%	
LMV--5		Rural						
		Urban						
	(A)	Rural Schedule						
		(i)	Un metered Supply	4%	3%	3%	0%	4%
		(ii)	Metered Supply	88%	-35%	-6%	0%	30%
	(B)	Urban Schedule						
		(i)	Metered Supply	-3%	-2%	26%	0%	5%
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		4%	2%	3%	3%	
LMV--6		Rural						
		Urban						
	(A)	Small & Medium Power (Power Loom)						
		(i)	Rural Schedule	149%	35%	16%	0%	20%
		(ii)	Urban Schedule	-63%	-29%	-29%	0%	5%
	(B)	Small & Medium Power						
		(i)	Rural Schedule	-1%	12%	6%	0%	2%
		(ii)	Urban Schedule	6%	3%	7%	0%	6%
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)		1%	7%	2%	3%	15%
LMV--7		Rural						
		Urban						
	(A)	Rural Schedule						
		(i)	Jal Nigam	-11%	-2%	-3%	0%	1%
		(ii)	Jal Sansthan	30%	24%	36%	0%	15%
		(iii)	Others (Water Works)	26%	25%	28%	0%	25%
	(B)	Urban Schedule						
		(i)	Jal Nigam	32%	12%	9%	0%	28%
		(ii)	Jal Sansthan	4%	3%	4%	0%	4%


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CONSUMER NUMBER - CAGR								
SUPPLY TYPE			CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
		(iii)	Others (Water Works)	-11%	2%	0%	0%	5%
SUB TOTAL	PUBLIC WATER WORKS(LMV-7)			3%	5%	4%	3%	
LMV--8			Rural					
			Urban					
	(A)		Metered Supply	-36%	3%	-9%	0%	12%
	(B)		Un-metered Supply	0%	0%	0%	0%	0%
		(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	4%	1%	1%	0%	2%
		(ii)	Laghu Dal Nahar above 100 BHP	207%	12%	34%	0%	28%
SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)			0%	1%	0%	0%	
LMV--9			Rural					
			Urban					
	(A)		Metered Supply					
		(i)	Individual Residential Consumers	-73%	1%	0%	0%	5%
		(ii)	Others	0%	-100%	-100%	0%	0%
	(B)		Un-metered Supply					
		(i)	Ceremonies	-100%	-100%	0%	0%	1%
		(ii)	Temporary Shops	0%	-100%	-100%	0%	1%
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)			-73%	-43%	-32%	18%	
LMV--10	(A)		Serving					
		(i)	Class IV Employees	-12%	-5%	-7%	0%	5%
		(ii)	Class III Employees	2%	-10%	-13%	0%	2%
		(iii)	Junior Engineers & Equivalent	-64%	-29%	-6%	0%	4%
		(iv)	Assistant Engineers & Equivalent	5%	-39%	1%	0%	4%
		(v)	Executive Engineers & Equivalent	-72%	-44%	-47%	0%	2%
		(vi)	Deputy General Manager & Equivalent	-13%	-30%	-3%	0%	2%
		(vii)	CGM/GM & Equivalent posts and above	0%	-75%	0%	0%	0%
	(B)		Total Pensioner & Family	23%	23%	29%	0%	8%

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CONSUMER NUMBER - CAGR							
SUPPLY TYPE		CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
		Pensioner					
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	4%	5%	3%	0%	2%

b) HV Consumers – Sub-category-wise

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

Table 6-7: HV Consumers Growth Rate

CONSUMER NUMBER - CAGR							
SUPPLY TYPE		CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
HV--1		Rural					
		Urban					
	(A)	Urban Schedule					
		(i) For supply at 11kV	17%				17%
		(ii) For supply above 11kV and upto & Including 66kV	300%				27%
		(iii) For supply above 66kV and upto & Including 132kV	-100%				1%
		(iv) For supply above 132kV	0%				1%
	(B)	Rural Schedule					
		(i) For supply at 11kV	0%				0%
		(ii) For supply above 11kV and upto & Including 66kV	100%				10%
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	19%	33%	0%	0%	19%
HV--2		Rural					
		Urban					
	(A)	Urban Schedule					
		(i) For supply at 11kV	6%				6%
		(ii) For supply above 11kV and upto & Including 66kV	13%				45%
		(iii) For supply above 66kV and upto &	-28%				20%

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CONSUMER NUMBER - CAGR							
SUPPLY TYPE		CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
		Including 132kV					
	(iv)	For supply above 132kV	0%				1%
	(B)	Rural Schedule					
	(i)	For supply at 11kV	10%				25%
	(ii)	For supply above 11kV and upto & Including 66kV	0%				0%
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	6%	12%	10%	11%	6%
HV--3		Rural					
		Urban					
	(A)	For supply at the above 132kV	58%				25%
	(B)	For supply below 132kV	0%				0%
	(C)	For Metro Traction	0%				0%
SUB TOTAL		RAILWAY TRACTION (HV-3)	58%	41%	31%	20%	30%
HV--4		Rural					
		Urban					
	(A)	For supply at 11kV	0%				10%
	(B)	For supply above 11kV and upto 66kV	12%				20%
	(C)	For supply above 66kV and upto 132kV	0%				0%
SUB TOTAL		LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)	3%	4%	2%	1%	
EXTRA STATE		Rural					
		Urban					
	(A)	EXTRA STATE & OTHERS	0%				0%
SUB TOTAL		EXTRA STATE CONSUMERS	0%	0%	0%	-11%	0%
BULK		Rural					
		Urban					
	(A)	NPCL	0%				0%
	(B)	KESCO	0%				0%
SUB TOTAL		BULK SUPPLY	0%	0%	0%	0%	0%
		GRAND TOTAL	5%	6%	6%	5%	5%

c) LMV Consumer Load

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


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Table 6-8: Growth in LMV Consumer Load

Per Consumer Load In KW							
SUPPLY TYPE		CATEGORY	Previous Year -3	Previous Year -2	Previous Year-1	Current Year	Assumed
LMV--1		Rural					
		Urban					
	(A)	Consumer getting supply as per "Rural Schedule"	-	-	-	-	-
		(i) Un-metered	1.396	1.416	1.413	1.246	1.416
		(ii) Metered	0.874	0.863	0.741	0.776	0.874
	(B)	Supply at Single Point for Bulk Load	906.769	1,010.636	975.929	1,036.939	1,036.939
	(C1)	Other Metered Domestic Consumers	1.536	1.553	1.592	1.654	1.654
	(C2)	Life Line Consumers/BPL	0.743	0.879	0.912	1.105	1.105
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	1.386	1.383	1.391	1.334	1.391
LMV--2		Rural					
		Urban					
	(A)	Consumer getting supply as per "Rural Schedule"	-	-	-	-	-
		(i) Un-metered	1.664	1.661	1.685	1.683	1.685
		(ii) Metered	2.669	2.750	2.853	2.643	2.853
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	1.648	1.648	1.648	-	1.648
	(C)	Other Metered Non-Domestic Supply	2.505	2.492	2.609	2.693	2.693
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	2.426	2.417	2.536	2.599	2.599
LMV--3	A	Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	(A)	Un-metered Supply	-	-	-	-	-
		(i) Gram Panchyat	9.333	6.176	6.080	26.081	26.081
		(ii) Nagar Palika & Nagar Panchyat	4.210	4.158	4.226	6.209	6.209
		(iii) Nagar Nigam	15.666	81.325	144.806	132.409	144.806
	(B)	Metered Supply	-	-	-	-	-
		(i) Gram Panchyat	12.000	604.800	12.000	-	12.000
		(ii) Nagar Palika & Nagar Panchyat	56.571	95.549	112.012	148.610	112.012
		(iii) Nagar Nigam	538.462	704.635	729.437	527.633	729.437
SUB TOTAL		PUBLIC LAMPS (LMV-3)	12.186	14.286	15.530	24.288	24.288
LMV--4	A	Rural					
		Urban					
	B	Rural					
		Urban					
	(A)	Public Institution(4 A)	9.505	7.017	6.369	5.461	6.369
	(B)	Private Institution(4 B)	8.188	7.837	11.952	9.839	11.952
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	9.175	7.169	6.985	6.047	9.175

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Per Consumer Load In KW							
SUPPLY TYPE		CATEGORY	Previous Year -3	Previous Year -2	Previous Year-1	Current Year	Assumed
LMV--5		Rural					
		Urban					
	(A)	Rural Schedule					
		(i) Un metered Supply	4.093	4.147	4.112	4.475	4.475
		(ii) Metered Supply	3.509	3.129	6.465	4.560	6.465
	(B)	Urban Schedule					
		(i) Metered Supply	4.237	4.770	4.613	4.839	4.839
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	4.067	4.176	4.143	4.492	4.492
LMV--6		Rural					
		Urban					
	(A)	Small & Medium Power (Power Loom)					
		(i) Rural Schedule	8.368	7.152	4.294	7.591	4.294
		(ii) Urban Schedule	8.822	4.537	4.658	4.214	4.214
	(B)	Small & Medium Power					
		(i) Rural Schedule	7.748	7.113	8.529	7.995	8.529
		(ii) Urban Schedule	12.703	13.697	12.658	13.380	13.697
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	10.058	8.573	8.882	8.760	10.058
LMV--7		Rural					
		Urban					
	(A)	Rural Schedule					
		(i) Jal Nigam	21.885	27.372	37.908	18.688	37.908
		(ii) Jal Sansthan	18.468	14.553	17.393	89.754	89.754
		(iii) Others (Water Works)	23.111	40.424	20.601	23.587	40.424
	(B)	Urban Schedule					
		(i) Jal Nigam	83.358	69.687	52.340	31.585	31.585
		(ii) Jal Sansthan	51.657	52.791	57.952	57.159	57.952
		(iii) Others (Water Works)	32.918	50.673	34.719	49.691	50.673
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	38.614	46.328	43.902	42.640	46.328
LMV--8		Rural					
		Urban					
	(A)	Metered Supply	17.057	13.575	20.921	17.823	20.921
	(B)	Un-metered Supply	-	-	-	-	-
		(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	13.954	15.108	14.691	13.759	15.108
		(ii) Laghu Dal Nahar above 100 BHP	88.283	345.800	252.571	371.778	252.571
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	14.509	15.291	15.198	14.283	15.291
LMV--9		Rural					
		Urban					
	(A)	Metered Supply					
		(i) Individual Residential Consumers	3.102	2.898	3.204	4.587	4.587
		(ii) Others	-	-	-	-	-

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Per Consumer Load In KW								
SUPPLY TYPE		CATEGORY		Previous Year -3	Previous Year -2	Previous Year-1	Current Year	Assumed
	(B)	Un-metered Supply						
		(i)	Ceremonies	20.169	20.400	-	1.121	20.400
		(ii)	Temporary Shops	-	-	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)		3.528	3.154	3.204	4.284	4.284
LMV--10	(A)	Serving						
		(i)	Class IV Employees	2.378	2.428	2.718	2.592	2.718
		(ii)	Class III Employees	3.557	3.414	3.862	3.060	3.862
		(iii)	Junior Engineers & Equivalent	4.511	4.405	3.575	3.571	4.511
		(iv)	Assistant Engineers & Equivalent	3.887	4.906	5.107	4.282	5.107
		(v)	Executive Engineers & Equivalent	1.846	1.905	1.911	4.280	4.280
		(vi)	Deputy General Manager & Equivalent	4.375	4.250	4.571	4.429	4.571
		(vii)	CGM/GM & Equivalent posts and above	7.000	7.000	7.000	7.083	7.083
	(B)	Total Pensioner & Family Pensioner		3.130	3.671	3.735	2.724	3.735
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)		3.138	3.481	3.554	2.907	2.907


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d) ENERGY SALES ASSUMPTION

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

Table 6-9: Energy Sales Assumption

SUP TYPE	CATEGORY	Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis					Unmetered As per Norms	Assumed
		Previous Year-3	Previous Year -2	Previous Year-1	Current Year	Max between last 4 years	Pre Year-3	Pre Year-2	Pre Year-1	Current Year	Max bet last 4 years		
LMV--1	Rural												
	Urban												
	(A) Consumer getting supply as per "Rural Schedule"	-	-	-	-	-	-	-	-	-	-		
	(i) Un-metered	1,048	1,124	1,104	1,276	1,276	750	794	781	1,025	1,025	1296	1,296
	(ii) Metered	540	789	866	663	866	618	915	1,168	854	1,168		866
	(B) Supply at Single Point for Bulk Load	39,81,769	44,54,545	36,55,536	30,36,636	44,54,545	4,391	4,408	3,746	2,928	4,408		4,408
	(C1) Other Metered Domestic Consumers	1,705	1,968	1,958	2,250	2,250	1,110	1,268	1,230	1,361	1,361		2,173
	(C2) Life Line Consumers/BPL	601	705	805	759	805	809	802	882	687	882		882
SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)	1,340	1,493	1,502	1,525		967	1,080	1,080	1,143			
LMV--2	Rural												
	Urban												
	(A) Consumer getting supply as per "Rural Schedule"	-	-	-	-	-	-	-	-	-	-		
	(i) Un-metered	1,282	1,308	1,434	1,706	1,706	771	787	851	1,013	1,013	1296	1,296
	(ii) Metered	3,598	4,011	2,873	2,880	4,011	1,348	1,458	1,007	1,090	1,458		1,458
	(B) Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	1,240	1,003	234	-	1,240	752	609	142	-	752		752
	(C) Other Metered Non-Domestic Supply	3,070	3,235	3,450	3,566	3,566	1,225	1,298	1,322	1,324	1,324		1,324

SUP TYPE		CATEGORY	Per Capita Consumption /Consumer				Max between last 4 years	Per Capita Consumption on Load Basis				Max bet last 4 years	Unmetered As per Norms	Assumed
			Previous Year-3	Previous Year -2	Previous Year-1	Current Year		Pre Year-3	Pre Year-2	Pre Year-1	Current Year			
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	2,911	3,062	3,156	3,347		1,200	1,267	1,244	1,288			
LMV--3	A	Rural	-	-	-	-	-	-	-	-	-	-		
		Urban	-	-	-	-	-	-	-	-	-	-		
	(A)	Un-metered Supply	-	-	-	-	-	-	-	-	-	-		
		(i) Gram Panchyat	21,319	17,049	22,240	86,192	86,192	2,284	2,760	3,658	3,305	3,658	3600	3,600
		(ii) Nagar Palika & Nagar Panchyat	13,377	14,229	14,915	18,318	18,318	3,177	3,422	3,530	2,950	3,530	4320	4,320
		(iii) Nagar Nigam	30,582	5,00,000	2,42,944	4,50,523	5,00,000	1,952	6,148	1,678	3,403	6,148	4320	4,320
	(B)	Metered Supply	-	-	-	-	-	-	-	-	-	-		
		(i) Gram Panchyat	6,36,500	8,00,000	13,21,500	-	13,21,500	53,042	1,323	1,10,125	-	1,10,125		1,10,125
		(ii) Nagar Palika & Nagar Panchyat	2,79,961	2,31,707	4,17,612	5,79,244	5,79,244	4,949	2,425	3,728	3,898	4,949		4,949
		(iii) Nagar Nigam	25,51,635	28,09,524	25,31,155	22,15,750	28,09,524	4,739	3,987	3,470	4,199	4,739		4,739
SUB TOTAL		PUBLIC LAMPS (LMV-3)	43,757	51,150	53,638	89,858		3,591	3,580	3,454	3,700			
LMV--4	A	Rural												
		Urban												
	B	Rural												
		Urban												
	(A)	Public Institution(4 A)	25,064	19,906	17,036	12,633	25,064	2,637	2,837	2,675	2,313	2,837		2,837
	(B)	Private Institution(4 B)	17,050	20,027	28,787	19,621	28,787	2,082	2,555	2,409	1,994	2,555		2,555
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	23,057	19,928	18,332	13,567		2,513	2,780	2,625	2,244			
LMV--5		Rural												
		Urban												
	(A)	Rural Schedule												
		(i) Un metered Supply	3,658	3,970	3,901	5,690	5,690	894	957	949	1,271	1,271	1649.88	1,650

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SUP TYPE	CATEGORY	Per Capita Consumption /Consumer				Max between last 4 years	Per Capita Consumption on Load Basis				Max bet last 4 years	Unmetered As per Norms	Assumed
		Previous Year-3	Previous Year -2	Previous Year-1	Current Year		Pre Year-3	Pre Year-2	Pre Year-1	Current Year			
	(ii) Metered Supply	9,438	6,623	4,745	4,878	9,438	2,689	2,116	734	1,070	2,689		2,689
	(B) Urban Schedule												
	(i) Metered Supply	16,211	14,948	17,319	20,203	20,203	3,826	3,134	3,754	4,175	4,175		4,175
SUB TOTAL	PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	4,453	4,520	4,536	6,326		1,095	1,082	1,095	1,408			
LMV-- 6	Rural												
	Urban												
	(A) Small & Medium Power (Power Loom)												
	(i) Rural Schedule	7,630	9,530	7,132	62,962	62,962	912	1,332	1,661	8,295	8,295		8,295
	(ii) Urban Schedule	20,203	12,843	41,238	6,532	41,238	2,290	2,830	8,853	1,550	8,853		8,853
	(B) Small & Medium Power												
	(i) Rural Schedule	5,859	7,581	7,624	7,109	7,624	756	1,066	894	889	1,066		1,066
	(ii) Urban Schedule	17,201	20,051	20,785	21,294	21,294	1,354	1,464	1,642	1,592	1,642		1,642
SUB TOTAL	SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	12,465	13,374	13,784	13,581		1,239	1,560	1,552	1,550			
LMV-- 7	Rural												
	Urban												
	(A) Rural Schedule												
	(i) Jal Nigam	43,088	84,507	1,24,728	95,352	1,24,728	1,969	3,087	3,290	5,102	5,102		5,102
	(ii) Jal Sansthan	64,818	78,947	5,69,821	2,75,333	5,69,821	3,510	5,425	32,762	3,068	32,762		32,762
	(iii) Others (Water Works)	1,38,235	1,22,302	1,51,320	1,14,210	1,51,320	5,981	3,025	7,345	4,842	7,345		7,345
	(B) Urban Schedule												
	(i) Jal Nigam	2,28,519	2,16,418	2,03,255	1,78,917	2,28,519	2,741	3,106	3,883	5,665	5,665		5,665
	(ii) Jal Sansthan	1,81,306	2,37,062	2,91,772	3,26,648	3,26,648	3,510	4,491	5,035	5,715	5,715		5,715
	(iii) Others (Water Works)	1,31,334	2,12,871	2,24,844	1,90,991	2,24,844	3,990	4,201	6,476	3,844	6,476		6,476
SUB TOTAL	PUBLIC WATER WORKS(LMV-7)	1,32,302	1,83,942	2,24,556	2,09,110		3,426	3,970	5,115	4,904			
LMV--	Rural												

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SUP TYPE		CATEGORY	Per Capita Consumption /Consumer				Max between last 4 years	Per Capita Consumption on Load Basis				Max bet last 4 years	Unmetered As per Norms	Assumed
			Previous Year-3	Previous Year -2	Previous Year-1	Current Year		Pre Year-3	Pre Year-2	Pre Year-1	Current Year			
8														
		Urban												
	(A)	Metered Supply	69,206	38,716	3,77,261	1,32,183	3,77,261	4,057	2,852	18,032	7,416	18,032		18,032
	(B)	Un-metered Supply	-	-	-	-	-	-	-	-	-	-		-
	(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	59,036	89,198	90,157	76,986	90,157	4,231	5,904	6,137	5,595	6,137	64122.36	64122
	(ii)	Laghu Dal Nahar above 100 BHP	3,74,348	18,00,000	15,51,071	35,90,333	35,90,333	4,240	5,205	6,141	9,657	9,657	64122.36	64122
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	61,220	85,245	98,844	82,849		4,219	5,575	6,504	5,801			
LMV-9		Rural												
		Urban												
	(A)	Metered Supply												
	(i)	Individual Residential Consumers	5,711	6,520	9,969	13,763	13,763	1,841	2,250	3,112	3,000	3,112		3,112
	(ii)	Others	-	-	-	-	-	-	-	-	-	-		-
	(B)	Un-metered Supply												
	(i)	Ceremonies	15,932	40,000	-	902	40,000	790	1,961	-	804	1,961		1,961
	(ii)	Temporary Shops	-	-	-	-	-	-	-	-	-	-		-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	5,967	7,009	10,001	12,639		1,691	2,223	3,122	2,950			
LMV-10	(A)	Serving												
	(i)	Class IV Employees	2,641	2,902	3,241	3,181	3,241	1,111	1,195	1,192	1,227	1,227		3,181
	(ii)	Class III Employees	3,389	2,665	2,649	3,151	3,389	953	781	686	1,030	1,030		3,151
	(iii)	Junior Engineers & Equivalent	8,242	5,032	30,696	5,766	30,696	1,827	1,142	8,586	1,615	8,586		5,766
	(iv)	Assistant	10,773	10,417	5,748	6,368	10,773	2,772	2,123	1,125	1,487	2,772		6,368

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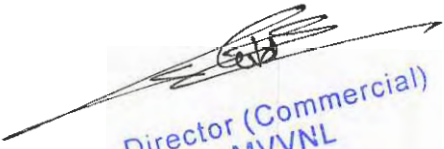
SUP TYPE		CATEGORY	Per Capita Consumption /Consumer				Max between last 4 years	Per Capita Consumption on Load Basis				Max bet last 4 years	Unmetered As per Norms	Assumed
			Previous Year-3	Previous Year -2	Previous Year-1	Current Year		Pre Year-3	Pre Year-2	Pre Year-1	Current Year			
		Engineers & Equivalent												
	(v)	Executive Engineers & Equivalent	3,721	1,698	2,174	6,820	6,820	2,016	891	1,138	1,593	2,016		6,820
	(vi)	Deputy General Manager & Equivalent	21,250	-	7,286	6,429	21,250	4,857	-	1,594	1,452	4,857		6,429
	(vii)	CGM/GM & Equivalent posts and above	20,000	-	1,03,000	9,132	1,03,000	2,857	-	14,714	1,289	14,714		9,132
	(B)	Total Pensioner & Family Pensioner	7,386	7,865	7,854	6,209	7,865	2,360	2,142	2,103	2,279	2,360		6,209
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	5,509	5,646	6,072	5,329		1,755	1,622	1,709	1,833			
HV--1		Rural												
		Urban												
	(A)	Urban Schedule												
	(i)	For supply at 11kV	7,48,194	7,85,714	7,44,610	7,98,847	7,98,847	2,097	2,024	1,943	2,129	2,129		2,129
	(ii)	For supply above 11kV and upto & Including 66kV	12,96,556	1,40,00,000	11,48,143	9,71,688	1,40,00,000	1,934	4,334	2,084	1,933	4,334		4,334
	(iii)	For supply above 66kV and upto & Including 132kV	3,36,000	15,00,000	14,52,000	-	15,00,000	38	13,100	1,770	-	13,100		13,100
	(iv)	For supply above 132kV	-	-	-	-	-	-	-	-	-	-		-
	(B)	Rural Schedule												
	(i)	For supply at 11kV	15,04,333	-	97,000	39,95,000	39,95,000	14,237	-	526	16,928	16,928		16,928
	(ii)	For supply above 11kV and upto & Including 66kV	-	90,000	-	30,17,000	30,17,000	-	425	-	20,113	20,113		20,113
SUB		NON INDUSTRIAL BULK LOADS	7,51,491	8,19,689	7,62,116	8,10,668		1,991	2,094	1,939	2,146			

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				Per Capita Consumption /Consumer					Per Capita Consumption on Load Basis						
SUP TYPE		CATEGORY		Previous Year-3	Previous Year -2	Previous Year-1	Current Year	Max between last 4 years	Pre Year-3	Pre Year-2	Pre Year-1	Current Year	Max bet last 4 years	Unmetered As per Norms	Assumed
TOTAL	(HV-1)														
HV--2		Rural													
		Urban													
	(A)	Urban Schedule													
		(i)	For supply at 11kV	9,50,390	9,09,900	8,82,370	7,90,955	9,50,390	2,987	2,742	2,781	2,385	2,987		2,987
		(ii)	For supply above 11kV and upto & Including 66kV	52,77,935	19,08,163	29,53,697	18,20,395	52,77,935	4,643	3,198	3,293	2,788	4,643		4,643
		(iii)	For supply above 66kV and upto & Including 132kV	36,00,667	26,40,000	55,37,923	56,72,923	56,72,923	1,180	1,577	2,053	2,486	2,486		2,486
		(iv)	For supply above 132kV	1,38,85,000	1,60,00,000	53,45,000	37,67,667	1,60,00,000	3,086	3,556	1,188	481	3,556		1,188
	(B)	Rural Schedule													
		(i)	For supply at 11kV	3,70,143	4,17,476	4,21,835	4,67,907	4,67,907	1,603	2,041	1,650	1,903	2,041		2,041
		(ii)	For supply above 11kV and upto & including 66kV	-	-	39,78,000	4,16,600	39,78,000	-	-	18,764	2,850	18,764		18,764
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)			10,90,463	10,03,552	10,27,850	9,22,205		2,951	2,664	2,724	2,355			
HV--3		Rural													
		Urban													
	(A)	For supply at the above 132kV		3,00,67,000	1,55,00,000	84,25,500	1,44,01,250	3,00,67,000	92,514	2,398	1,503	2,186	2,186		2,186
	(B)	For supply below 132kV		-	-	-	-	-	-	-	-	-	-		-
	(C)	For Metro Traction		-	-	-	-	-	-	-	-	-	-		-
SUB TOTAL	RAILWAY TRACTION (HV-3)			3,00,67,000	1,55,00,000	86,25,500	1,45,72,500		92,514	2,398	1,539	2,212			
HV--4		Rural													
		Urban													
	(A)	For supply at 11kV		19,93,462	30,00,000	30,34,750	15,63,000	30,34,750	1,225	4,206	4,305	2,944	4,305		4,305

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SUP TYPE		CATEGORY	Per Capita Consumption /Consumer				Max between last 4 years	Per Capita Consumption on Load Basis				Max bet last 4 years	Unmetered As per Norms	Assumed
			Previous Year-3	Previous Year -2	Previous Year-1	Current Year		Pre Year-3	Pre Year-2	Pre Year-1	Current Year			
	(B)	For supply above 11kV and upto 66kV	1,90,52,000	1,50,00,000	1,30,76,000	1,27,82,200	1,90,52,000	5,721	5,004	5,336	5,216	5,721		5,721
	(C)	For supply above 66kV and upto 132kV	94,49,000	1,40,00,000	1,49,57,000	1,10,97,000	1,49,57,000	4,200	6,222	6,648	4,932	6,648		6,648
SUB TOTAL		LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)	54,42,353	64,70,588	64,86,333	37,50,667		2,770	4,825	5,085	4,130			
EXTRA STATE		Rural												
		Urban												
	(A)	EXTRA STATE & OTHERS	5,05,20,000	4,30,00,000	5,90,52,000	5,91,96,000	5,91,96,000	10,104	8,600	11,810	11,839	11,839		11,839
SUB TOTAL		EXTRA STATE CONSUMERS	5,05,20,000	4,30,00,000	5,90,52,000	5,91,96,000		10,104	8,600	11,810	11,839			
BULK		Rural												
		Urban												
	(A)	NPCL	-	-	-	-	-	-	-	-	-	-		-
	(B)	KESCO	-	-	-	-	-	-	-	-	-	-		-
SUB TOTAL		BULK SUPPLY	-	-	-	-	-	-	-	-	-	-		-
		GRAND TOTAL	2,748	3,042	3,122	2,928		1,363	1,498	1,521	1,514			


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e) CONSUMER SUB-CATEGORY WISE PROJECTIONS

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

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

Lucknow Discom			No of Consumer		
SUPPLY TYPE	CATEGORY	CATEGORY	FY 2014-15	FY 2016-17	FY 2017-18
LMV--1		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	12,08,758	11,84,583	11,60,891
		(ii) Metered	4,12,841	6,52,289	9,00,159
	(B)	Supply at Single Point for Bulk Load	33	36	40
	(C1)	Other Metered Domestic Consumers	13,12,454	14,43,699	15,88,069
	(C2)	Life Line Consumers/BPL	5,17,364	6,20,837	7,45,004
	SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)	34,51,450	39,01,444	43,94,163
	LMV--2	Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	26,165	27,473	28,847
		(ii) Metered	25,285	31,606	39,508
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	2,42,489	2,47,339	2,52,286
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	2,93,939	3,06,418	3,20,640
LMV--3	A	Rural			
		Urban			
	(A)	Un-metered Supply			
		(i) Gram Panchyat	469	474	478
		(ii) Nagar Palika & Nagar Panchyat	2,544	2,646	2,752
		(iii) Nagar Nigam	44	46	49
	(B)	Metered Supply			
		(i) Gram Panchyat	-	-	-
		(ii) Nagar Palika & Nagar Panchyat	82	89	97
		(iii) Nagar Nigam	60	63	66
SUB TOTAL		PUBLIC LAMPS (LMV-3)	3,199	3,318	3,442
LMV--4	A	Rural			
		Urban			
	B	Rural			
		Urban			
	(A)	Public Institution(4 A)	16,317	17,622	19,032
	(B)	Private Institution(4 B)	2,518	2,644	2,776
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	18,835	20,266	21,808
LMV--5		Rural			
		Urban			

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Lucknow Discom			No of Consumer		
SUPPLY TYPE	CATEGORY	CATEGORY	FY 2014-15	FY 2016-17	FY 2017-18
	(A)	Rural Schedule			
		(i) Un metered Supply	1,32,748	1,38,058	1,43,580
		(ii) Metered Supply	1,694	2,202	2,863
	(B)	Urban Schedule			
		(i) Metered Supply	6,269	6,582	6,912
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	1,40,711	1,46,843	1,53,355
LMV--6		Rural			
		Urban			
	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	1,077	1,292	1,551
		(ii) Urban Schedule	10,829	11,370	11,939
	(B)	Small & Medium Power			
		(i) Rural Schedule	11,764	11,999	12,239
		(ii) Urban Schedule	12,874	13,646	14,465
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	36,544	38,309	40,194
LMV--7		Rural			
		Urban			
	(A)	Rural Schedule			
		(i) Jal Nigam	301	304	307
		(ii) Jal Sansthan	57	66	75
		(iii) Others (Water Works)	252	315	394
	(B)	Urban Schedule			
		(i) Jal Nigam	193	247	316
		(ii) Jal Sansthan	579	602	626
		(iii) Others (Water Works)	433	455	477
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	1,815	1,988	2,196
LMV--8		Rural			
		Urban			
	(A)	Metered Supply	458	513	575
	(B)	Un-metered Supply	-		
		(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	9,238	9,423	9,611
		(ii) Laghu Dal Nahar above 100 BHP	9	12	15
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	9,705	9,947	10,200
LMV--9		Rural			
		Urban			
	(A)	Metered Supply			
		(i) Individual Residential Consumers	1,807	1,897	1,992
		(ii) Others	-	-	-
	(B)	Un-metered Supply			
		(i) Ceremonies	173	175	176
		(ii) Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	1,980	2,072	2,169
LMV--10	(A)	Serving			
		(i) Class IV Employees	3,003	3,153	3,311
		(ii) Class III Employees	4,596	4,688	4,782
		(iii) Junior Engineers & Equivalent	385	400	416

Lucknow Discom				No of Consumer		
SUPPLY TYPE	CATEGORY	CATEGORY		FY 2014-15	FY 2016-17	FY 2017-18
		(iv)	Assistant Engineers & Equivalent	117	122	127
		(v)	Executive Engineers & Equivalent	50	51	52
		(vi)	Deputy General Manager & Equivalent	7	7	7
		(vii)	CGM/GM & Equivalent posts and above	623	623	623
	(B)	Total Pensioner & Family Pensioner		15,576	16,822	18,168
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)		24,357	25,866	27,486
HV--1		Rural				
		Urban				
	(A)	Urban Schedule				
		(i)	For supply at 11kV	674	775	891
		(ii)	For supply above 11kV and upto & Including 66kV	16	19	23
		(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	1	1	1
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)		692	797	917
HV--2		Rural				
		Urban				
	(A)	Urban Schedule				
		(i)	For supply at 11kV	1,110	1,143	1,178
		(ii)	For supply above 11kV and upto & Including 66kV	152	182	219
		(iii)	For supply above 66kV and upto & Including 132kV	13	14	15
		(iv)	For supply above 132kV	3	3	3
	(B)	Rural Schedule				
		(i)	For supply at 11kV	129	161	202
		(ii)	For supply above 11kV and upto & Including 66kV	5	5	5
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		1,412	1,509	1,622
HV--3		Rural				
		Urban				
	(A)	For supply at the above 132kV		8	9	11
	(B)	For supply below 132kV		-	-	-
	(C)	For Metro Traction		-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)		8	9	11
HV--4		Rural				
		Urban				
	(A)	For supply at 11kV		24	27	30
	(B)	For supply above 11kV and upto 66kV		5	6	6
	(C)	For supply above 66kV and upto 132kV		1	1	1
SUB TOTAL		LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-		30	33	37

Lucknow Discom			No of Consumer		
SUPPLY TYPE	CATEGORY	CATEGORY	FY 2014-15	FY 2016-17	FY 2017-18
		4)			
EXTRA STATE		Rural			
		Urban			
	(A)	EXTRA STATE & OTHERS	1	1	1
SUB TOTAL		EXTRA STATE CONSUMERS	1	1	1
BULK		Rural			
		Urban			
	(A)	NPCL	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
		GRAND TOTAL	39,84,678	44,58,821	49,78,241

f) Connected Load Sub-category wise Projections

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

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

Lucknow Discom			Projected Connected Load in KW		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17
LMV--1		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	15,05,967	16,77,499	16,43,949
		(ii) Metered	3,20,410	5,70,156	7,86,815
	(B)	Supply at Single Point for Bulk Load	34,219	37,641	41,405
	(C1)	Other Metered Domestic Consumers	21,70,145	23,87,160	26,25,875
	(C2)	Life Line Consumers/BPL	5,71,912	6,86,294	8,23,553
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	46,02,653	53,58,749	59,21,597
LMV--2		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	44,042	46,299	48,614
		(ii) Metered	66,825	90,172	1,12,714
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	6,52,953	6,66,012	6,79,332
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	7,63,820	8,02,482	8,40,660
LMV--3	A	Rural			
		Urban			
	(A)	Un-metered Supply			

Lucknow Discom				Projected Connected Load in KW		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17
		(i)	Gram Panchyat	12,232	12,354	12,478
		(ii)	Nagar Palika & Nagar Panchyat	15,795	16,427	17,084
		(iii)	Nagar Nigam	5,826	6,690	7,025
	(B)	Metered Supply				
		(i)	Gram Panchyat	-	-	-
		(ii)	Nagar Palika & Nagar Panchyat	12,186	10,012	10,913
		(iii)	Nagar Nigam	31,658	45,955	48,252
SUB TOTAL		PUBLIC LAMPS (LMV-3)		77,697	91,437	95,751
LMV-4	A	Rural				
		Urban				
	B	Rural				
		Urban				
	(A)	Public Institution(4 A)		89,115	1,12,232	1,21,211
	(B)	Private Institution(4 B)		24,774	31,599	33,179
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)		1,13,889	1,43,831	1,54,389
LMV-5		Rural				
		Urban				
	(A)	Rural Schedule				
		(i)	Un metered Supply	5,94,068	6,17,831	6,42,544
		(ii)	Metered Supply	7,725	14,238	18,509
	(B)	Urban Schedule				
		(i)	Metered Supply	30,335	31,852	33,444
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		6,32,128	6,63,920	6,94,498
LMV-6		Rural				
		Urban				
	(A)	Small & Medium Power (Power Loom)				
		(i)	Rural Schedule	8,175	5,550	6,659
		(ii)	Urban Schedule	45,635	47,917	50,313
	(B)	Small & Medium Power				
		(i)	Rural Schedule	94,051	1,02,347	1,04,394
		(ii)	Urban Schedule	1,72,250	1,86,915	1,98,130
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (7S) (LMV-6)		3,20,111	3,42,728	3,59,495
LMV-7		Rural				
		Urban				
	(A)	Rural Schedule				
		(i)	Jal Nigam	5,625	11,524	11,640
		(ii)	Jal Sansthan	5,116	5,883	6,766
		(iii)	Others (Water Works)	5,944	12,734	15,917
	(B)	Urban Schedule				
		(i)	Jal Nigam	6,096	7,803	9,988
		(ii)	Jal Sansthan	33,095	34,896	36,292
		(iii)	Others (Water Works)	21,516	23,039	24,191
SUB		PUBLIC WATER WORKS(LMV-7)		77,392	95,879	1,04,793

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Lucknow Discom				Projected Connected Load in KW		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17
TOTAL						
LMV--8		Rural				
		Urban				
	(A)	Metered Supply		8,163	10,732	12,020
	(B)	Un-metered Supply				
		(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	1,27,105	1,42,363	1,45,210
		(ii)	Laghu Dal Nahar above 100 BHP	3,346	2,910	3,724
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		1,38,614	1,56,004	1,60,954
LMV--9		Rural				
		Urban				
	(A)	Metered Supply				
		(i)	Individual Residential Consumers	8,289	8,703	9,139
		(ii)	Others	-	-	-
	(B)	Un-metered Supply				
		(i)	Ceremonies	194	3,564	3,600
		(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)		8,483	12,268	12,739
LMV--10	(A)	Serving				
		(i)	Class IV Employees	7,785	8,571	8,999
		(ii)	Class III Employees	14,065	18,106	18,469
		(iii)	Junior Engineers & Equivalent	1,375	1,806	1,879
		(iv)	Assistant Engineers & Equivalent	501	621	646
		(v)	Executive Engineers & Equivalent	214	218	223
		(vi)	Deputy General Manager & Equivalent	31	33	33
		(vii)	CGM/GM & Equivalent posts and above	4,413	4,413	4,413
	(B)	Total Pensioner & Family Pensioner		42,433	62,834	67,861
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)		70,817	96,603	1,02,522
HV--1		Rural				
		Urban				
	(A)	Urban Schedule				
		(i)	For supply at 11kV	2,52,938	2,90,879	3,34,511
		(ii)	For supply above 11kV and upto & Including 66kV	8,044	9,653	11,583
		(iii)	For supply above 66kV and upto & Including 132kV	-	-	-
		(iv)	For supply above 132kV	-	-	-
	(B)	Rural Schedule				
		(i)	For supply at 11kV	236	248	260
		(ii)	For supply above 11kV and upto & Including 66kV	150	180	216
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)		2,61,368	3,00,959	3,46,570
HV--2		Rural				
		Urban				

Lucknow Discom			Projected Connected Load in KW		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17
	(A)	Urban Schedule			
		(i) For supply at 11kV	3,68,126	3,79,170	3,90,545
		(ii) For supply above 11kV and upto & Including 66kV	99,240	1,19,088	1,42,906
		(iii) For supply above 66kV and upto & Including 132kV	29,665	32,038	34,601
		(iv) For supply above 132kV	23,500	24,675	25,909
	(B)	Rural Schedule			
		(i) For supply at 11kV	31,712	39,640	49,550
		(ii) For supply above 11kV and upto & Including 66kV	731	731	731
SUB TOTAL HV--3		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	5,52,974	5,95,342	6,44,241
		Rural			
		Urban			
	(A)	For supply at the above 132kV	52,700	60,605	69,696
	(B)	For supply below 132kV	-	-	-
	(C)	For Metro Traction	-	-	-
SUB TOTAL HV--4		RAILWAY TRACTION (HV-3)	52,700	60,605	69,696
		Rural			
		Urban			
	(A)	For supply at 11kV	12,743	14,272	15,985
	(B)	For supply above 11kV and upto 66kV	12,252	13,600	15,096
	(C)	For supply above 66kV and upto 132kV	2,250	2,250	2,250
SUB TOTAL EXTRA STATE		LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)	27,245	30,122	33,331
		Rural			
		Urban			
	(A)	EXTRA STATE & OTHERS	5,000	5,000	5,000
SUB TOTAL BULK		EXTRA STATE CONSUMERS	5,000	5,000	5,000
		Rural			
		Urban			
	(A)	NPCL	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
		GRAND TOTAL	77,04,891	87,55,930	95,46,237


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g) SALES SUB-CATEGORY WISE PROJECTIONS

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

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

Lucknow Discom			Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
LMV--1		Rural									
		Urban									
	(A)	Consumer getting supply as per "Rural Schedule"									
		(i) Un-metered	1,543	2,174	2,131	1,543	2,174	2,131	1,543	2,174	2,131
		(ii) Metered	274	565	780	274	551	965	274	551	965
	(B)	Supply at Single Point for Bulk Load	100	0	0	100	0	0	100	0	0
	(C1)	Other Metered Domestic Consumers	2,953	3,137	3,451	2,953	3,173	3,860	2,953	3,173	3,860
	(C2)	Life Line Consumers/BPL	393	548	657	393	541	789	393	541	789
	SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)	5,263	6,424	7,019	5,263	6,438	7,745	5,263	6,438	7,745
LMV--2		Rural									
		Urban									
	(A)	Consumer getting supply as per "Rural Schedule"									
		(i) Un-metered	45	60	63	45	60	63	45	60	63
		(ii) Metered	73	132	164	73	128	203	73	128	203
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	2	-	-	2	-	-	2	-	-
	(C)	Other Metered Non-Domestic Supply	865	882	900	865	893	1,004	865	893	1,004
	SUB TOTAL	NON DOMESTIC LIGHT FAN & POWER (LMV-2)	984	1,074	1,127	984	1,081	1,270	984	1,081	1,270
LMV--3	A	Rural									
		Urban									
	(A)	Un-metered Supply									
		(i) Gram Panchyat	40	44	45	40	44	45	40	44	45
		(ii) Nagar Palika & Nagar Panchyat	47	71	74	47	71	74	47	71	74


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Lucknow Discom				Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
		(iii)	Nagar Nigam	20	29	30	20	29	30	20	29	30
	(B)	Metered Supply										
		(i)	Gram Panchyat	0	-	-	0	-	-	0	-	-
		(ii)	Nagar Palika & Nagar Panchyat	47	50	54	47	48	67	47	48	67
		(iii)	Nagar Nigam	133	218	229	133	225	239	133	225	239
SUB TOTAL		PUBLIC LAMPS (LMV-3)		287	412	432	287	418	456	287	418	456
LMV--4	A	Rural										
		Urban										
	B	Rural										
		Urban										
	(A)	Public Institution(4 A)		206	318	344	206	315	408	206	315	408
	(B)	Private Institution(4 B)		49	81	85	49	81	96	49	81	96
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)		256	399	429	256	397	503	256	397	503
LMV--5		Rural										
		Urban										
	(A)	Rural Schedule										
		(i)	Un metered Supply	755	1,019	1,060	755	1,019	1,060	755	1,019	1,060
		(ii)	Metered Supply	8	38	50	8	38	50	8	38	50
	(B)	Urban Schedule										
		(i)	Metered Supply	127	133	140	127	133	140	127	133	140
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		890	1,191	1,250	890	1,191	1,250	890	1,191	1,250
LMV--6		Rural										
		Urban										
	(A)	Small & Medium Power (Power Loom)										
		(i)	Rural Schedule	68	46	55	68	45	69	68	45	69
		(ii)	Urban Schedule	71	424	445	71	413	554	71	413	554
	(B)	Small & Medium Power										
		(i)	Rural Schedule	84	109	111	84	106	138	84	106	138
		(ii)	Urban Schedule	274	307	325	274	305	383	274	305	383

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Lucknow Discom			Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	496	886	937	496	869	1,144	496	869	1,144
LMV--7		Rural									
		Urban									
	(A)	Rural Schedule									
		(i) Jal Nigam	29	59	59	29	59	59	29	59	59
		(ii) Jal Sansthan	16	193	222	16	193	222	16	193	222
		(iii) Others (Water Works)	29	94	117	29	94	117	29	94	117
	(B)	Urban Schedule									
		(i) Jal Nigam	35	44	57	35	44	57	35	44	57
		(ii) Jal Sansthan	189	199	207	189	199	207	189	199	207
		(iii) Others (Water Works)	83	149	157	83	149	157	83	149	157
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	380	738	819	380	738	819	380	738	819
LMV--8		Rural									
		Urban									
	(A)	Metered Supply	61	194	217	61	194	217	61	194	217
	(B)	Un-metered Supply				-	-	-			
		(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	711	604	616	711	604	616	711	604	616
		(ii) Laghu Dal Nahar above 100 BHP	32	0.74	0.95	32.31	0.74	0.95	32	0.74	0.95
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	804	798	834	804	798	834	804	798	834
LMV--9		Rural									
		Urban									
	(A)	Metered Supply									
		(i) Individual Residential Consumers	25	27	28	25	28	30	25	28	30
		(ii) Others	-	-	-	-	-	-	-	-	-
	(B)	Un-metered Supply									
		(i) Ceremonies	0	7	7	0	7	7	0	7	7
		(ii) Temporary Shops	-	-	-	-	-	-	-	-	-
SUB		TEMPORARY SUPPLY (LMV-9)	25	34	35	25	35	38	25	35	38

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Lucknow Discom			Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
TOTAL											
LMV--10	(A)	Serving									
		(i) Class IV Employees	10	10	11	10	10	13	10	10	13
		(ii) Class III Employees	14	15	15	14	15	18	14	15	18
		(iii) Junior Engineers & Equivalent	2	2	2	2	2	3	2	2	3
		(iv) Assistant Engineers & Equivalent	1	1	1	1	1	1	1	1	1
		(v) Executive Engineers & Equivalent	0	0	0	0	0	0	0	0	0
		(vi) Deputy General Manager & Equivalent	0	0	0	0	0	0	0	0	0
		(vii) CGM/GM & Equivalent posts and above	6	6	6	6	6	6	6	6	6
	(B)	Total Pensioner & Family Pensioner	97	104	113	97	107	122	97	107	122
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	130	138	148	130	141	163	130	141	163
HV--1		Rural									
		Urban									
	(A)	Urban Schedule									
		(i) For supply at 11kV	538	619	712	538	619	712	538	619	712
		(ii) For supply above 11kV and upto & Including 66kV	16	42	50	16	42	50	16	42	50
		(iii) For supply above 66kV and upto & Including 132kV	-	-	-	-	-	-	-	-	-
		(iv) For supply above 132kV	-	-	-	-	-	-	-	-	-
	(B)	Rural Schedule									
		(i) For supply at 11kV	4	4	4	4	4	4	4	4	4
		(ii) For supply above 11kV and upto & Including 66kV	3	4	4	3	4	4	3	4	4
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	561	669	771	561	669	771	561	669	771
HV--2		Rural									
		Urban									
	(A)	Urban Schedule									

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Lucknow Discom				Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY		2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
		(i)	For supply at 11kV	878	1,133	1,167	878	1,133	1,167	878	1,133	1,167
		(ii)	For supply above 11kV and upto & Including 66kV	277	553	664	277	553	664	277	553	664
		(iii)	For supply above 66kV and upto & Including 132kV	74	80	86	74	80	86	74	80	86
		(iv)	For supply above 132kV	11	29	31	11	29	31	11	29	31
	(B)	Rural Schedule										
		(i)	For supply at 11kV	60	81	101	60	81	101	60	81	101
		(ii)	For supply above 11kV and upto & Including 66kV	2	14	14	2	14	14	2	14	14
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)			1,302	1,889	2,062	1,302	1,889	2,062	1,302	1,889	2,062
HV--3		Rural										
		Urban										
	(A)	For supply at the above 132kV		115	132	152	115	132	152	115	132	152
	(B)	For supply below 132kV		-	-	-	-	-	-	-	-	-
	(C)	For Metro Traction		1	-	-	1	-	-	1	-	-
SUB TOTAL	RAILWAY TRACTION (HV-3)			117	132	152	117	132	152	117	132	152
HV--4		Rural										
		Urban										
	(A)	For supply at 11kV		38	61	69	38	61	69	38	61	69
	(B)	For supply above 11kV and upto 66kV		64	78	86	64	78	86	64	78	86
	(C)	For supply above 66kV and upto 132kV		11	15	15	11	15	15	11	15	15
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)			113	154	170	113	154	170	113	154	170
EXTRA STATE		Rural										
		Urban										
	(A)	EXTRA STATE & OTHERS		59	59	59	59	59	59	59	59	59
SUB TOTAL	EXTRA STATE CONSUMERS			59	59	59	59	59	59	59	59	59

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Lucknow Discom			Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CAT	CATEGORY	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
BULK		Rural									
		Urban									
	(A)	NPCL	-	-	-	-	-	-	-	-	-
	(B)	KESCO	-	-	-	-	-	-	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-	-	-	-	-	-	-
		GRAND TOTAL	11,666	14,998	16,243	11,666	15,010	17,435	11,665	15,010	17,435


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6.3 ACTUAL BILLING DETERMINANTS FOR FY 2014-15

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

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

SUPPLY TYPE	CATG.	Lucknow Discom		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	12,08,758	15,05,967	1,543
		(ii)	Metered	4,12,841	3,20,410	274
	(B)	Supply at Single Point for Bulk Load		33	34,219	100
	(C1)	Other Metered Domestic Consumers		13,12,454	21,70,145	2,953
	(C2)	Life Line Consumers/BPL		5,17,364	5,71,912	393
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)		34,51,450	46,02,653	5,263
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	26,165	44,042	45
		(ii)	Metered	25,285	66,825	73
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		-	-	2
	(C)	Other Metered Non-Domestic Supply		2,42,489	6,52,953	865
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)		2,93,939	7,63,820	984
LMV--3	(A)	Un-metered Supply				
		(i)	Gram Panchyat	469	12,232	40
		(ii)	Nagar Palika & Nagar Panchyat	2,544	15,795	47
		(iii)	Nagar Nigam	44	5,826	20
	(B)	Metered Supply				
		(i)	Gram Panchyat	-	-	0
		(ii)	Nagar Palika & Nagar Panchyat	82	12,186	47
		(iii)	Nagar Nigam	60	31,658	133
SUB TOTAL		PUBLIC LAMPS (LMV-3)		3,199	77,697	287
LMV--4	(A)	Public Institution(4 A)		16,317	89,115	206
	(B)	Private Institution(4 B)		2,518	24,774	49
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)		18,835	1,13,889	256
LMV--5	(A)	Rural Schedule				
		(i)	Un metered Supply	1,32,748	5,94,068	755
		(ii)	Metered Supply	1,694	7,725	8
	(B)	Urban Schedule				
		(i)	Metered Supply	6,269	30,335	127

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SUPPLY TYPE	CATG.	Lucknow Discom		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		1,40,711	6,32,128	890
LMV--6	(A)	Small & Medium Power (Power Loom)				
		(i)	Rural Schedule	1,077	8,175	68
		(ii)	Urban Schedule	10,829	45,635	71
	(B)	Small & Medium Power				
		(i)	Rural Schedule	11,764	94,051	84
		(ii)	Urban Schedule	12,874	1,72,250	274
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)		36,544	3,20,111	496
LMV--7	(A)	Rural Schedule				
		(i)	Jal Nigam	301	5,625	29
		(ii)	Jal Sansthan	57	5,116	16
		(iii)	Others (Water Works)	252	5,944	29
	(B)	Urban Schedule				
		(i)	Jal Nigam	193	6,096	35
		(ii)	Jal Sansthan	579	33,095	189
		(iii)	Others (Water Works)	433	21,516	83
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)		1,815	77,392	380
LMV--8	(A)	Metered Supply		458	8,163	61
	(B)	Un-metered Supply				
		(i)	STW, Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	9,238	1,27,105	711
		(ii)	Laghu Dal Nahar above 100 BHP	9	3,346	32
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		9,705	1,38,614	804
LMV--9	(A)	Metered Supply				
		(i)	Individual Residential Consumers	1,807	8,289	25
		(ii)	Others	-	-	-
	(B)	Un-metered Supply				
		(i)	Ceremonies	173	194	0
		(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)		1,980	8,483	25
LMV--10	(A)	Serving				
		(i)	Class IV Employees	3,003	7,785	10
		(ii)	Class III Employees	4,596	14,065	14
		(iii)	Junior Engineers & Equivalent	385	1,375	2
		(iv)	Assistant Engineers & Equivalent	117	501	1
		(v)	Executive Engineers &	50	214	0


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SUPPLY TYPE	CATG.	Lucknow Discom		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
			Equivalent			
		(vi)	Deputy General Manager & Equivalent	7	31	0
		(vii)	CGM/GM & Equivalent posts and above	623	4,413	6
	(B)	Total Pensioner & Family Pensioner		15,576	42,433	97
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)		24,357	70,817	130
HV--1	(A)	Urban Schedule				
		(i)	For supply at 11kV	674	2,52,938	538
		(ii)	For supply at 33 kV & above	16	8,044	16
	(B)	Rural Schedule				
		(i)	For supply at 11kV	1	236	4
		(ii)	For supply at 33 kV & above	1	150	3
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)		692	2,61,368	561
HV--2	(A)	Urban Schedule				
		(i)	For supply at 11kV	1,110	3,68,126	878
		(ii)	For supply above 11kV and upto & Including 66kV	152	99,240	277
		(iii)	For supply above 66kV and upto & Including 132kV	13	29,665	74
		(iv)	For supply above 132kV	3	23,500	11
	(B)	Rural Schedule				
		(i)	For supply at 11kV	129	31,712	60
		(ii)	For supply above 11kV and upto & Including 66kV	5	731	2
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		1,412	5,52,974	1,302
HV--3	(A)	For supply at and above 132kV		8	52,700	115
	(B)	For supply below 132kV		-	-	-
	(C)	For Delhi Metro Rail		-	-	1
SUB TOTAL		RAILWAY TRACTION (HV-3)		8	52,700	117
HV--4	(A)	For supply at 11kV		24	12,743	38
	(B)	For supply above 11kV and upto 66kV		5	12,252	64
	(C)	For supply above 66kV and upto 132kV		1	2,250	11
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)		30	27,245	113
EXTRA	(A)	EXTRA STATE & OTHERS		1	5,000	59


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SUPPLY TYPE	CATG.	Lucknow Discom	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
STATE					
SUB TOTAL	EXTRA STATE CONSUMERS		1	5,000	59
BULK	(A)	Torrent (Depicted as Retail Sales)	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL	BULK SUPPLY		-	-	-
GRAND TOTAL			39,84,678	77,04,891	11,665

6.4 BILLING DETERMINANTS FOR FY 2015-16

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

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

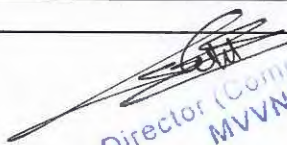
SUPPLY TYPE	CATG.	Lucknow Discom		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	11,84,583	16,77,499	2,174
		(ii)	Metered	6,52,289	5,70,156	551
	(B)	Supply at Single Point for Bulk Load		36	37,641	0
	(C1)	Other Metered Domestic Consumers		14,43,699	23,87,160	3,173
	(C2)	Life Line Consumers/BPL		6,20,837	6,86,294	541
SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)			39,01,444	53,58,749	6,438
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	27,473	46,299	60
		(ii)	Metered	31,606	90,172	128
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		-	-	-
	(C)	Other Metered Non-Domestic Supply		2,47,339	6,66,012	893
SUB TOTAL	NON DOMESTIC LIGHT FAN & POWER (LMV-2)			3,06,418	8,02,482	1,081
LMV--3	(A)	Un-metered Supply				
		(i)	Gram Panchyat	474	12,354	44
		(ii)	Nagar Palika & Nagar Panchyat	2,646	16,427	71
		(iii)	Nagar Nigam	46	6,690	29
	(B)	Metered Supply				
		(i)	Gram Panchyat	-	-	-
		(ii)	Nagar Palika & Nagar Panchyat	89	10,012	48
		(iii)	Nagar Nigam	63	45,955	225

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SUPPLY TYPE	CATG.	Lucknow Discom	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
SUB TOTAL		PUBLIC LAMPS (LMV-3)	3,318	91,437	418
LMV--4	(A)	Public Institution(4 A)	17,622	1,12,232	315
	(B)	Private Institution(4 B)	2,644	31,599	81
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	20,266	1,43,831	397
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	1,38,058	6,17,831	1,019
	(ii)	Metered Supply	2,202	14,238	38
	(B)	Urban Schedule			
	(i)	Metered Supply	6,582	31,852	133
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	1,46,843	6,63,920	1,191
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	1,292	5,550	45
	(ii)	Urban Schedule	11,370	47,917	413
	(B)	Small & Medium Power			
	(i)	Rural Schedule	11,999	1,02,347	106
	(ii)	Urban Schedule	13,646	1,86,915	305
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	38,309	3,42,728	869
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	304	11,524	59
	(ii)	Jal Sansthan	66	5,883	193
	(iii)	Others (Water Works)	315	12,734	94
	(B)	Urban Schedule			
	(i)	Jal Nigam	247	7,803	44
	(ii)	Jal Sansthan	602	34,896	199
	(iii)	Others (Water Works)	455	23,039	149
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	1,988	95,879	738
LMV--8	(A)	Metered Supply	513	10,732	194
	(B)	Un-metered Supply			
	(i)	STW, Panchayat Raj WB I. Duch P.C, L I upto 100 BHP	9,423	1,42,363	604
	(ii)	Laghu Dal Nahar above 100 BHP	12	2,910	1
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	9,947	1,56,004	798
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	1,897	8,703	28
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	175	3,564	7
	(ii)	Temporary Shops	-	-	-


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SUPPLY TYPE	CATG.	Lucknow Discom	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	2,072	12,268	35
LMV--10	(A)	Serving			
		(i) Class IV Employees	3,153	8,571	10
		(ii) Class III Employees	4,688	18,106	15
		(iii) Junior Engineers & Equivalent	400	1,806	2
		(iv) Assistant Engineers & Equivalent	122	621	1
		(v) Executive Engineers & Equivalent	51	218	0
		(vi) Deputy General Manager & Equivalent	7	33	0
		(vii) CGM/GM & Equivalent posts and above	623	4,413	6
	(B)	Total Pensioner & Family Pensioner	16,822	62,834	107
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	25,866	96,603	141
HV--1	(A)	Urban Schedule			
		(i) For supply at 11kV	775	2,90,879	619
		(ii) For supply at 33 kV & above	19	9,653	42
	(B)	Rural Schedule			
		(i) For supply at 11kV	1	248	4
		(ii) For supply at 33 kV & above	1	180	4
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	797	3,00,959	669
HV--2	(A)	Urban Schedule			
		(i) For supply at 11kV	1,143	3,79,170	1,133
		(ii) For supply above 11kV and upto & Including 66kV	182	1,19,088	553
		(iii) For supply above 66kV and upto & Including 132kV	14	32,038	80
		(iv) For supply above 132kV	3	24,675	29
	(B)	Rural Schedule			
		(i) For supply at 11kV	161	39,640	81
		(ii) For supply above 11kV and upto & Including 66kV	5	731	14
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW). (HV-2)	1,509	5,95,342	1,889
HV--3	(A)	For supply at and above 132kV	9	60,605	132
	(B)	For supply below 132kV	-	-	-
	(C)	For Delhi Metro Rail	-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)	9	60,605	132
HV--4	(A)	For supply at 11kV	27	14,272	61
	(B)	For supply above 11kV and upto 66kV	6	13,600	78
	(C)	For supply above 66kV and upto 132kV	1	2,250	15


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SUPPLY TYPE	CATG.	Lucknow Discom	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)	33	30,122	154
EXTRA STATE	(A)	EXTRA STATE & OTHERS	1	5,000	59
SUB TOTAL		EXTRA STATE CONSUMERS	1	5,000	59
BULK	(A)	Torrent	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
GRAND TOTAL			44,58,821	87,55,930	15,010


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6.5 PROJECTED BILLING DETERMINANTS FOR FY 2016-17

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

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

SUPPLY TYPE	CATG.	Lucknow Discom		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	11,60,891	16,43,949	2,131
		(ii)	Metered	9,00,159	7,86,815	965
	(B)	Supply at Single Point for Bulk Load		40	41,405	0
	(C1)	Other Metered Domestic Consumers		15,88,069	26,25,875	3,860
	(C2)	Life Line Consumers/BPL		7,45,004	8,23,553	789
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)		43,94,163	59,21,597	7,745
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"				
		(i)	Un-metered	28,847	48,614	63
		(ii)	Metered	39,508	1,12,714	203
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex		-	-	-
	(C)	Other Metered Non-Domestic Supply		2,52,286	6,79,332	1,004
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)		3,20,640	8,40,660	1,270
LMV--3	(A)	Un-metered Supply				
		(i)	Gram Panchyat	478	12,478	45
		(ii)	Nagar Palika & Nagar Panchyat	2,752	17,084	74
		(iii)	Nagar Nigam	49	7,025	30
	(B)	Metered Supply				
		(i)	Gram Panchyat	-	-	-
		(ii)	Nagar Palika & Nagar Panchyat	97	10,913	67
		(iii)	Nagar Nigam	66	48,252	239
SUB TOTAL		PUBLIC LAMPS (LMV-3)		3,442	95,751	456
LMV--4	(A)	Public Institution(4 A)		19,032	1,21,211	408
	(B)	Private Institution(4 B)		2,776	33,179	96
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)		21,808	1,54,389	503
LMV--5	(A)	Rural Schedule				
		(i)	Un metered Supply	1,43,580	6,42,544	1,060
		(ii)	Metered Supply	2,863	18,509	50
	(B)	Urban Schedule				
		(i)	Metered Supply	6,912	33,444	140
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		1,53,355	6,94,498	1,250
LMV--6	(A)	Small & Medium Power (Power Loom)				
		(i)	Rural Schedule	1,551	6,659	69
		(ii)	Urban Schedule	11,939	50,313	SS4
	(B)	Small & Medium Power				

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SUPPLY TYPE	CATG.	Lucknow Discom		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(i)	Rural Schedule	12,239	1,04,394	138
		(ii)	Urban Schedule	14,465	1,98,130	383
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)		40,194	3,59,495	1,144
LMV--7	(A)	Rural Schedule				
		(i)	Jal Nigam	307	11,640	59
		(ii)	Jal Sansthan	75	6,766	222
		(iii)	Others (Water Works)	394	15,917	117
	(B)	Urban Schedule				
		(i)	Jal Nigam	316	9,988	57
		(ii)	Jal Sansthan	626	36,292	207
		(iii)	Others (Water Works)	477	24,191	157
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)		2,196	1,04,793	819
LMV--8	(A)	Metered Supply		575	12,020	217
	(B)	Un-metered Supply				
		(i)	STW, Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	9,611	1,45,210	616
		(ii)	Laghu Dal Nahar above 100 BHP	15	3,724	1
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		10,200	1,60,954	834
LMV--9	(A)	Metered Supply				
		(i)	Individual Residential Consumers	1,992	9,139	30
		(ii)	Others	-	-	-
	(B)	Un-metered Supply				
		(i)	Ceremonies	176	3,600	7
		(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)		2,169	12,739	38
LMV--10	(A)	Serving				
		(i)	Class IV Employees	3,311	8,999	13
		(ii)	Class III Employees	4,782	18,469	18
		(iii)	Junior Engineers & Equivalent	416	1,879	3
		(iv)	Assistant Engineers & Equivalent	127	646	1
		(v)	Executive Engineers & Equivalent	52	223	0
		(vi)	Deputy General Manager & Equivalent	7	33	0
		(vii)	CGM/GM & Equivalent posts and above	623	4,413	6
	(B)	Total Pensioner & Family Pensioner		18,168	67,861	122
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)		27,486	1,02,522	163
HV--1	(A)	Urban Schedule				
		(i)	For supply at 11kV	891	3,34,511	712
		(ii)	For supply at 33 kV &	23	11,583	50

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SUPPLY TYPE	CATG.	Lucknow Discom		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
			above			
	(B)	Rural Schedule				
		(i)	For supply at 11kV	1	260	4
		(ii)	For supply at 33 kV & above	1	216	4
SUB TOTAL	NON INDUSTRIAL BULK LOADS (HV-1)			917	3,46,570	771
HV--2	(A)	Urban Schedule				
		(i)	For supply at 11kV	1,178	3,90,545	1,167
		(ii)	For supply above 11kV and upto & Including 66kV	219	1,42,906	664
		(iii)	For supply above 66kV and upto & Including 132kV	15	34,601	86
		(iv)	For supply above 132kV	3	25,909	31
	(B)	Rural Schedule				
		(i)	For supply at 11kV	202	49,550	101
		(ii)	For supply above 11kV and upto & Including 66kV	5	731	14
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)			1,622	6,44,241	2,062
HV--3	(A)	For supply at and above 132kV		11	69,696	152
	(B)	For supply below 132kV		-	-	-
	(C)	For Delhi Metro Rail		-	-	-
SUB TOTAL	RAILWAY TRACTION (HV-3)			11	69,696	152
HV--4	(A)	For supply at 11kV		30	15,985	69
	(B)	For supply above 11kV and upto 66kV		6	15,096	86
	(C)	For supply above 66kV and upto 132kV		1	2,250	15
SUB TOTAL	LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)			37	33,331	170
EXTRA STATE	(A)	EXTRA STATE & OTHERS		1	5,000	59
SUB TOTAL	EXTRA STATE CONSUMERS			1	5,000	59
BULK	(A)	Torrent		-	-	-
	(B)	KESCO		-	-	-
SUB TOTAL	BULK SUPPLY			-	-	-
GRAND TOTAL				49,78,241	95,46,237	17,435


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6.6 SALES FORECAST AND ENERGY BALANCE

The actual Distribution Losses in FY 2014-15 were 22.88%. The Petitioner estimates its Distribution losses at 21.03% for FY 2015-16. In the ensuing year FY 2016-17, the Petitioner has projected a Distribution loss of 19.00%. The petitioner has also submitted a loss trajectory before the Hon'ble Commission being in line with the loss reduction trajectory suggested by Ministry of Power, Government of India. Thus considering the commitments made by the Petitioner in the aforesaid submission, it has estimated the above losses for FY 2015-16 & FY 2016-17 as per its earlier submissions made before the Hon'ble Commission. Also if in case the actual losses for FY 2014-15 are lower than the committed losses as per the trajectory, the petitioner has estimated a 2% reduction in the Distribution Losses each year over the actual loss level of FY 2014-15.

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

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

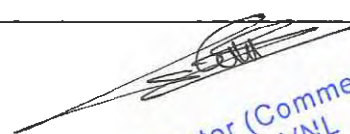
Energy Balance	Unit	FY 2014-15	FY 2015-16	FY 2016-17
Power Purchase	MU	15,126.36	19,006.59	21,524.59
Line Losses	MU	3,460.96	3,997.09	4,089.67
Sales	MU	11,665.40	15,009.51	17,434.92
Distribution Losses	%	22.88%	21.03%	19.00%

6.7 ESTIMATED REVENUE ASSESSMENT FOR FY 2015-16

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

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

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	2,417.66	6,438.30	3.76
(a) Consumer getting supply as per "Rural Schedule"	416.96	2,724.91	1.53
(b) Supply at Single Point for Bulk Loads	3.93	0.16	238.31
(c) Other Metered Domestic Consumers	1,837.72	3,172.51	5.79
(d) Life Line Consumers	159.05	540.72	2.94
LMV-2: Non Domestic Light, Fan & Power	880.30	1,081.30	8.14
(a) Non-Domestic(Rural)	60.41	188.46	3.21
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-


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Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
(c) Non-Domestic (Urban Metered)	819.89	892.84	9.18
LMV-3: Public Lamps	272.81	417.52	6.53
LMV-4: Institutions	308.31	396.89	7.77
(a) Public Institution	241.59	315.44	7.66
(b) Private Institution	66.72	81.45	8.19
LMV-5: Private Tube Wells	150.50	1,190.63	1.26
(a) Rural	78.48	1,057.64	0.74
(b) Urban	72.02	132.99	5.42
LMV 6: Small and Medium Power	652.33	868.96	7.51
LMV-7: Public Water Works	531.38	737.91	7.20
LMV-8: State Tubewells & Pumped Canals	447.96	798.46	5.61
LMV-9: Temporary Supply	44.05	35.09	12.55
LMV-10: Deptt. Empl. & Pensioners	33.61	140.50	2.39
HV-1: Non-Industrial Bulk Load	571.08	668.84	8.54
HV-2: Large & Heavy Power	1,369.22	1,889.21	7.25
HV-3: Railway Traction	104.50	132.49	7.89
HV-4: Lift Irrigation Works	111.21	154.20	7.21
Sub Total	7,894.91	14,950.31	5.28
Bulk & Extra State	24.85	59.20	4.20
Total	7,919.77	15,009.51	5.28

6.8 PROJECTED REVENUE ASSESSMENT FOR FY 2016-17

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

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

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	2,947.29	7,744.59	3.81
(a) Consumer getting supply as per "Rural Schedule"	515.90	3,095.84	1.67
(b) Supply at Single Point for Bulk Loads	4.33	0.19	232.47
(c) Other Metered Domestic Consumers	2,205.65	3,859.55	5.71
(d) Life Line Consumers	221.42	789.01	2.81

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
LMV-2: Non Domestic Light, Fan & Power	1,022.28	1,269.97	8.05
(a)Non-Domestic(Rural)	85.17	265.67	3.21
(b)Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c)Non-Domestic (Urban Metered)	937.11	1,004.30	9.33
LMV-3: Public Lamps	297.06	455.73	6.52
LMV-4: Insitutions	395.65	503.28	7.86
(a) Public Institution	291.98	407.70	7.16
(b) Private Institution	72.76	95.58	7.61
LMV-5: Private Tube Wells	158.37	1,249.54	1.27
(a) Rural	82.75	1,109.90	0.75
(b) Urban	75.62	139.64	5.42
LMV 6: Small and Medium Power	833.02	1,143.62	7.28
LMV-7: Public Water Works	588.23	818.61	7.19
LMV-8: State Tubewells & Pumped Canals	471.97	833.98	5.66
LMV-9: Temporary Supply	46.06	37.56	12.26
LMV-10: Deptt. Empl. & Pensioners	35.98	163.47	2.20
HV-1: Non-Industrial Bulk Load	658.15	771.02	8.54
HV-2: Large & Heavy Power	1,490.04	2,061.85	7.23
HV-3: Railway Traction	120.17	152.37	7.89
HV-4: Lift Irrigation Works	122.78	170.13	7.22
Sub Total	9,187.06	17,375.72	5.29
Bulk & Extra State	24.85	59.20	4.20
Total	9,211.92	17,434.92	5.28


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ARR FOR WHEELING & RETAIL SUPPLY BUSINESS

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

COMPONENTS OF ANNUAL REVENUE REQUIREMENT

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

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

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


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

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

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

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

7.1 ESCALATION INDEX / INFLATION RATE

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

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



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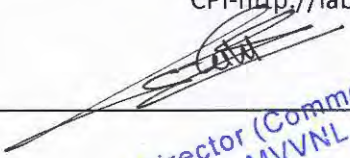
Table 7-1: Escalation Index for FY 2015-16

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

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

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

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

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

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7.2 POWER PURCHASE COSTS

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

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

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

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


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

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

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

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

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



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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)
NATHPA JHAKRI HPS	287	2,012	1.06	213	1.45	292	2.51	505	2.51
TALA POWER	45	181	-	-	2.13	39	2.13	39	2.13
Koteshwar	173	569	1.94	110	1.80	102	3.74	213	3.74
Srinagar	290	1,776	-	-	4.00	710	4.00	710	4.00
Sasan	495	3,469	0.15	54	1.15	399	1.30	452	1.30
Case-1	561	2,431	2.33	565	1.71	415	4.03	980	4.03
Karcham-Wangtoo	200	158	-	-	3.00	47	3.00	47	3.00
VISHNUPRAYAG	352	2,450	0.58	143	1.25	307	1.84	451	1.84
TEHRI STAGE-I	418	2,171	1.51	327	3.42	743	4.93	1,070	4.93
Rosa Power Project	600	4,066	1.73	704	3.58	1,455	5.31	2,160	5.31
Rosa Power Project	600	4,066	1.73	704	3.61	1,468	5.34	2,172	5.34
Bara	1,782	2,126	1.17	249	1.85	394	3.02	642	3.02
Anpara 'C'	1,100	7,015	1.36	957	2.48	1,740	3.84	2,697	3.84
IGSTPP, Jhajhjar	51	212	2.59	55	4.19	89	6.78	144	6.78
Bajaj Hindusthan	450	2,807	2.25	632	4.39	1,232	6.64	1,864	6.64
Lalitpur	1,980	2,848	1.88	535	2.95	840	4.83	1,375	4.83
Sub-Total IPP/JV	9383	38354		5248		10273		15521	4.04666
Captive and Cogen	-	2,865	-	-	4.61	1,321	4.61	1,321	4.61
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,940	-	-	5.00	2,470	5.00	2,470	5.00
Solar Energy	-	84	-	-	10.35	87	10.35	87	10.35
NVVN Coal Power	-	352	-	-	3.13	110	3.13	110	3.13
Sub-Total : Co-Generation & Other Sources	-	8241				3,987.97		3,987.97	4.84
Grand Total of Power	21259	110231		11,737.79		29,687.0		41,424.82	3.76


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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)
Purchase									

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

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

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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)
Sub-Total Own generation	6388	33321		4,370.72		7,975.92		12,346.64	3.71
Procurement of power from Central Sector Generating Stations									
Anta	119	626	0.73	46	4.62	289	5.36	335	5.36
Auriya	243	1,279	0.55	71	5.03	643	5.58	714	5.58
Dadri Thermal	84	613	0.86	52	4.13	253	4.98	305	4.98
Dadri Gas	271	1,427	0.57	81	4.56	651	5.13	732	5.13
Dadri Extension	148	1,055	1.61	170	3.68	388	5.29	559	5.29
Rihand-I	372	2,697	0.81	220	2.08	560	2.89	780	2.89
Rihand-II	346	2,791	0.95	264	1.95	543	2.89	807	2.89
Singrauli	846	6,687	0.54	361	1.33	891	1.87	1,252	1.87
Tanda	440	3,255	1.05	343	3.69	1,201	4.74	1,544	4.74
Unchahar-I	257	2,009	0.86	174	2.93	589	3.80	763	3.80
Unchahar-II	152	1,166	0.89	104	2.90	338	3.80	443	3.80
Unchahar-III	74	577	1.37	79	2.43	140	3.80	219	3.80
Farakka	33	202	0.85	17	2.86	58	3.71	75	3.71
Kahalgaoon St. I	77	552	0.96	53	2.61	144	3.57	197	3.57
Kahalgaoon St. II Ph. I	251	1,807	1.22	221	2.35	424	3.57	645	3.57
Koldam (Hydro)	95	361	1.56	56	2.41	87	3.97	143	3.97
Rihand-III	375	1,980	1.32	261	1.57	311	2.89	572	2.89
Sub-Total NTPC	4184	29083		2573		7510		10084	3.47
Chamera	109	336	0.60	20	0.85	29	1.46	49	1.46
Chamera-II	86	392	1.34	52	1.04	41	2.37	93	2.37
Chamera-III	62	282	1.81	51	1.86	53	3.67	103	3.67
Dhauliganga	75	281	1.10	31	1.27	36	2.37	67	2.37
Salal I&II	48	252	0.60	15	0.38	9	0.98	25	0.98
Tanakpur	21	103	1.70	17	1.22	13	2.92	30	2.92
Uri	96	497	1.05	52	0.89	44	1.94	96	1.94
Dulhasti	111	516	2.82	145	2.30	118	5.12	264	5.12
Sewa-II	35	136	1.89	26	1.81	25	3.70	50	3.70
Uri-II	25	111	4.98	55	0.45	5	5.43	60	5.43
Parbati ST-III	104	383	1.41	54	3.74	143	5.15	197	5.15
Sub-Total NHPC	773	3287		519.58		514.80		1,034.38	3.15
NAPP	166	935	-	-	2.59	242	2.59	242	2.59


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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)
RAPP #3&4	80	604	-	-	3.08	186	3.08	186	3.08
RAPP#5&6	115	799	-	-	3.67	293	3.67	293	3.67
Sub-Total NPCIL	361	2339				721.55		721.55	3.09
NATHPA JHAKRI HPS	287	1,383	1.60	221	1.51	209	3.11	430	3.11
TALA POWER	45	181	-	-	2.22	40	2.22	40	2.22
Koteshwar	173	569	2.02	115	1.87	107	3.89	221	3.89
Srinagar	290	519	-	-	4.16	216	4.16	216	4.16
Sasan	495	2,081	0.27	56	1.20	249	1.46	305	1.46
Case-1	2,175	10,186	2.19	2,227	1.52	1,553	3.71	3,780	3.71
Karcham-Wangtoo	200	158	-	-	3.12	49	3.12	49	3.12
VISHNUPRAYAG	352	1,623	0.92	149	1.30	212	2.22	361	2.22
TEHRI STAGE-I	418	1,809	1.88	340	3.56	644	5.44	984	5.44
Rosa Power Project	600	3,946	1.75	689	3.72	1,469	5.47	2,158	5.47
Rosa Power Project	600	3,946	1.75	689	3.75	1,481	5.50	2,171	5.50
Bara	1,782	7,395	1.18	874	3.14	2,323	4.32	3,197	4.32
Anpara 'C'	1,100	7,015	1.77	1,241	2.58	1,809	4.35	3,050	4.35
IGSTPP, Jhahjhar	51	354	1.61	57	4.36	154	5.97	211	5.97
Bajaj Hindusthan	450	2,807	2.25	632	4.57	1,281	6.82	1,913	6.82
Lalitpur	1,782	10,108	1.88	1,900	2.95	2,982	4.83	4,882	4.83
Sub-Total IPP/JV	10799	54080		9190		14779		23969	4.43
Captive and Cogen	-	2,865	-	-	4.79	1,374	4.79	1,374	4.79
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	217	-	-	5.30	115	5.30	115	5.30
Solar Energy	-	84	-	-	10.76	90	10.76	90	10.76
NVVN Coal Power	-	352	-	-	3.26	114	3.26	114	3.26


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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)
Sub-Total : Co-Generation & Other Sources	-	3518				1,693.45		1,693.45	4.81
Grand Total of Power Purchase	22505	125627		16,653.47		33,194.7		49,848.13	3.97

As can be seen from table above power purchase cost is projected to be Rs. 49,848.13 crore in FY 2016-17. The inter-state transmission charges (PGCIL) are envisaged to be Rs. 3,000.00 crore. Thus, the total power procurement cost including PGCIL charges are projected to be Rs. 52,848 crore at overall UPPCL level.

Power Procurement Cost from UPPCL by DisCom:

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

Table 7-5: Computation of the Bulk Supply Tariff

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


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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 2015-16	FY 2016-17
Energy Sales (MU)	A	15,009.51	17,434.92
Distribution Loss (%)	B	21.03%	19.00%
Distribution Loss (MU)	$C = A/(1-B)-A$	3,997.09	4,089.67
Power Purchase Required (MU)	$D=A+C$	19,006.59	21,524.59
Bulk Power Purchase Rate (Rs/kWh)	E	4.22	4.44
Power Purchase Cost (Rs Crore)	$F=D \times E/10$	8,018.21	9,557.51

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

7.3 TRANSMISSION CHARGES

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

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

In such Petition U.P. Power Transmission Corporation Ltd has projected transmission charge at the rate of Rs. 0.1936 per kWh for FY 2016-17. Accordingly licensee has estimated the cost of intra state transmission charges for ensuing year as well as for the current year in the tables given below.


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Table 7-7: Projected Transmission Charges

Particulars		FY 2015-16	FY 2016-17
Energy Procured (MU)	A	19,007	21,525
Transmission Tariff (Rs/kWh)	B	0.173	0.194
Transmission Cost (Rs Crore)	$C = A \times B / 10$	328.01	416.67

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


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O&M expenses so worked out and O&M charges of current year escalated on the basis of predetermined indices as indicated in regulation 4.3 (1)."

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

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

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

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

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

Incremental O&M Expenses @ 2.5% of capital additions during the (n-1)th year	FY 2016-17
Capitalized Assets in (n-1)th year	2150.97
Incremental O&M Expenses	41.60
(a) Employee Costs	23.39
(b) A&G Expenses	7.81
(c) R&M Expenses	10.40

7.5 O&M EXPENSES FOR FY 2016-17

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


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

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

Particulars	FY 2014-15	FY 2015-16	FY 2016-17
Employee Expenses			
Gross Employee Costs and Provisions	399.88	553.34	565.30
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	-	23.39
Gross Employee Expenses	399.88	553.34	588.69
Employee expenses capitalized	2.33	83.00	88.30
Net Employee Expenses	397.54	470.34	500.38
A&G Expenses			
Gross A&G Expenses	171.27	180.30	185.06
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	-	10.40
Gross A&G Expenses	171.27	180.30	195.46
A&G expenses capitalized	-	27.05	29.32
Net A&G Expenses	171.27	153.26	166.14
R&M Expenses			
Repair & Maintenance Expenditure	236.35	249.81	254.35
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	-	7.81
Gross Repair & Maintenance Expenses	236.35	249.81	262.16
Total O&M Expenses Allowable as per Regulations	805.16	873.41	928.69

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 2016-17 are provided in the table below:

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

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Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Replacement of Meters					
Single Phase	38000	5.72	2.45		8.18
Three Phase	1950	0.81	0.35		1.16
LT TVM	200	0.08	0.03		0.12
11 kV TVM	75	0.03	0.01		0.05
33 kV TVM	25	0.01	0.01		0.02
11 kV Metering Cubicle	40	0.12	0.05		0.17
33 kV Metering Cubicle	10	0.04	0.02		0.06
11 kV C.T./ P.T Unit	50	0.09	0.04		0.13
33 kV C.T./ P.T Unit	20	0.03	0.01		0.04
11 kV C.T for 33 kV S/S	250	0.13	0.06		0.18
11 kV P.T for 33 kV S/S	50	0.05	0.02		0.08
Double Metering	180	0.25	0.11		0.36
AERIAL BUNCHED CONDUCTORS	225	4.54	1.94		6.48
Construction of 11 kV Line	180	3.72	1.59		5.31
System Improvement of 11 kV Lines	710	4.65	1.99		6.64
Construction of 11/0.4 kV Substations	425	13.61	5.83		19.45
Capacity Enhancement of 11/0.4 kV Substations	650	9.77	4.19		13.96
Replacement of 11kV Cable	24	2.45	1.05		3.50
Replacement of 11 kV Switchgears	175	3.13	1.34		4.47
Purchase of mobile transformer trolley -6.6./0.4 kV 400 KVA	30	1.29	0.55		1.84
System Augmentation of Distribution Network	50	444.29	190.41		634.70
Capacity Enhancement of 33/11 kV Substations	70	22.79	9.77		32.56
Construction of 33 kV Line	120	11.28	4.83		16.11
System Improvement of 33 kV Lines	170	6.94	2.98		9.92
Construction of 33/11 kV Substations	7	11.04	4.73		15.77
Replacement of damaged / obsolete 33 kV BCV	11	0.41	0.17		0.58
Replacement of Distribution Transformers	9	0.41	0.17		0.58
Rural Electrification	7	0.05	0.02		0.07
Replacement of old and damaged poles	5400	1.04	0.45		1.49
Earthing works	1575	1.17	0.50		1.67
Replacement of old and damaged conductors	340	0.77	0.33		1.09
Plinth & Fencing Works	260	0.35	0.15		0.49
D.C. Battery / Battery Charger / Relay	85	0.26	0.11		0.37
Replacement of old switchgears	75	0.41	0.17		0.58

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Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Construction / Replacement of LT Line	50	0.71	0.30		1.02
Guarding of Lines	250	0.14	0.06		0.19
Other Misc Works	25	0.05	0.02		0.07
Other Misc Works	2	0.04	0.02		0.06
Construction of 11kV Feeders in Rural Areas	-	67.74	29.03		96.76
RGVY Phase I - Consultancy	-	9.49	4.07		13.56
R-APDRP Part A	-	4.69	2.01		6.70
R-APDRP Part B	-	7.85	3.36		11.21
Tehsil Town (PMC)	-	2.01	0.86		2.87
Capital Works under Vyapar Vikas Nidhi		141.31	60.56		201.87
Energisation of PTW	11750	54.12	23.19		77.32
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme	515	63.61	27.26		90.88
33/11 kV Substations under Tehsil Scheme	66	201.43	86.33		287.76
RGVY Works		9.16	3.92		13.08
R-APDRP Non SCADA Works		93.68	40.15		133.83
R-APDRP SCADA Works		297.24	127.39		424.63
Deposit Works				350.00	267.40
Total		1505.00	645.00	350.00	2500.00

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

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

- The opening GFA and CWIP for FY 2015-16 have been taken as per the closing figures from provisional annual accounts of FY 2014-15.
- 40% the opening CWIP and 40% of investment made during the year, expenses capitalized & interest capitalized (40% of total investment) has been assumed to get capitalized during the year.
- Investment through "deposit work" has been taken for capital formation. However depreciation thereon has not been charged to the ARR in line with the policy adopted by Hon'ble Commission in its last Tariff Orders.
- The capital investment for FY 2015-16 has been pegged at Rs. 2,248.97 crore out of which works through deposit works have been envisaged at Rs. 337.35 crore.


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- The Petitioner envisages a capital investment of Rs. 2,500.00 crore in FY 2016-17 out of which works through deposit works have been envisaged at Rs. 350 crore.
- The capital investment plan (net of deposit works) has been projected to be funded in the ratio of 70:30 (debt to equity).

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

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

Particulars	Derivation	Revised Estimates FY 2015-16	ARR FY 2016-17
Opening WIP as on 1st April	A	2,962.77	3,226.46
Investments	B	2,248.97	2,500.00
Employee Expenses Capitalisation	C	83.00	88.30
A&G Expenses Capitalisation	D	27.05	29.32
Interest Capitalisation on Interest on long term loans	E	55.64	78.30
Total Investments	F= A+B+C+D+E	5,377.43	5,922.38
Transferred to GFA (Total Capitalisation)	G=F*40%	2,150.97	2,368.95
Closing WIP	H= F-G	3,226.46	3,553.43

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

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

(All figures in Rs Crore)

Particulars	Derivation	FY 2015-16 Revised Estimates	FY 2016-17 ARR
Opening GFA	A	3,661.47	5,812.45
Additional to GFA during the year	B	2,150.97	2,368.95
Closing GFA	C=A+B	5,812.45	8,181.40

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


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balance 30% has been considered to be financed through equity contributions. The portion of capital expenditure financed through consumer contribution, capital subsidies and grants has been separated as the depreciation and interest thereon would not be charged to the beneficiaries.

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

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

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

Particulars	2014-15	2015-16	2016-17
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	1,003.99	1,276.66	1,529.93
Additions during the year	318.22	337.35	350.00
Less: Amortisation	45.54	84.08	124.19
Closing Balance	1,276.66	1,529.93	1,755.74

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

Particulars	Derivation	2014-15	2015-16	2016-17
Investment	A	1,504.49	2,248.97	2,500.00
Less:		-	-	-
Consumer Contribution	B	318.22	337.35	350.00
Investment funded by debt and equity	C=A-B	1,186.27	1,911.62	2,150.00
Debt Funded	70%	830.39	1,338.13	1,505.00
Equity Funded	30%	355.88	573.49	645.00

Thus, the Petitioner submits that out of the capital investment of Rs. 2,500 crore in FY 2016-17, the capital investment through deposit works would be to the tune of Rs. 350 crore. Balance Rs. 2,150 crore has been considered to be funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 1,505 crore or 70% of the capital investment is proposed to be funded through debt and balance 30% equivalent to Rs. 645 crore through equity.


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7.8 DEPRECIATION EXPENSE

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

"4.9 Depreciation:

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

Thus the Distribution Tariff Regulations provide for allowing -

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

For the purpose of computing the allowable depreciation, the Petitioner has considered the GFA base as per provisional accounts for FY 2014-15 and have subsequently added the yearly capitalizations for 2015-16 and 2016-17 considered in the foregoing sections. The Petitioner has computed the depreciation only on the depreciable asset base and has excluded the non-depreciable assets such as land, land rights, etc.

Further, Annexure B to the Distribution Tariff Regulations provides the depreciation rate to be charged on each class of asset. Accordingly, the Petitioner has computed depreciation at a weighted average rate of 7.84%.

Considering this philosophy, the gross entitlement towards depreciation has been computed to be Rs. 548.56 in FY 2016-17 as depicted in the table below:

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

Particulars	Derivation	FY 2015-16 Revised Estimates	FY 2016-17 ARR
Depreciation Rate	A	7.84%	7.84%
Opening GFA	B	3,661.47	5,812.45
Additional to GFA during the year	C	2,150.97	2,368.95
Depreciation on Opening GFA + Additions during the year	$D=(A*B)+(C*A/2)$	371.38	548.56

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The Petitioner has projected the depreciation on assets created out of consumer contributions, capital grants and subsidies for FY 2015-16 and 2016-17 in the same ratio as per provisional accounts of FY 2014-15. The Petitioner has reduced the equivalent depreciation amounting to Rs. 84.08 crore and Rs. 124.19 crore in FY 2015-16 and 2016-17 respectively in respect of depreciation on assets created out of consumer contributions, capital grants and subsidies.

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

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

Particulars	FY 2015-16	FY 2016-17
Gross Allowable Depreciation	371.38	548.56
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	84.08	124.19
Net Allowable Depreciation	287.30	424.36

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 2015-16 and 2016-17, as it seems to be fair and equitable. The interest capitalization has been considered at a rate of 23% which is consistent with the rate considered by the Hon'ble Commission in previous tariff orders.

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

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

Particulars	2015-16	2016-17
Opening Loan	2,091.58	3,142.42
Loan Additions (70% of Investments)	1,338.13	1,505.00

Particulars	2015-16	2016-17
Less: Repayments (Depreciation allowable for the year)	287.30	424.36
Closing Loan Balance	3,142.42	4,223.05
Weighted Average Rate of Interest	9.24%	9.24%
Interest on long term loan	241.92	340.44
Interest Capitalisation Rate	23.00%	23.00%
Less: Interest Capitalized	55.64	78.30
Net Interest Charged	186.28	262.14

7.10 FINANCE CHARGES

The Petitioner has projected finance charges towards expenses such as guarantee fees and bank charges to the tune of Rs. 0.12 crore and Rs. 0.12 crore in FY 2015-16 and 2016-17 respectively. The same have been computed by extrapolating the actual guarantee fees and bank charges incurred in FY 2014-15 as per provisional accounts by using the Inflation Index. Further, the Petitioner humbly prays that it may be allowed to claim discount to consumers on actuals during truing up based on audited accounts.

7.11 INTEREST ON CONSUMER SECURITY DEPOSITS

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

Accordingly the interest to consumers on the security deposits has been computed on the Opening Balance of the Security Deposits at the beginning of the year at the bank rate of 8.50% for FY 2015-16 and 7.75% for FY 2016-17. However, the same shall be trued up based on audited accounts. The opening balances of security deposits have been considered as per closing figures of provisional accounts for FY 2014-15 and additions during the year for FY 2015-16 and 2016-17 are estimated in line with the projected load growth.

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

Particulars	FY 2015-16	FY 2016-17
Opening Balance for Security Deposit	346.94	394.27
Additions during the year	47.33	35.59

Particulars	FY 2015-16	FY 2016-17
Closing Balance for Security Deposit	394.27	429.86
Rate of Interest	8.50%	7.75%
Interest Paid / Payable on Security Deposits	31.50	31.93

7.12 INTEREST ON WORKING CAPITAL

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

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

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

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

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

Particulars	FY 2015-16	FY 2016-17
	Revised Estimates	ARR
One month's O & M Expenses	81.95	87.19
One-twelfth of the sum of the book value of stores, materials and supplies at the end of each month of such financial year	15.62	17.36
Receivables equivalent to 60 days average billing of Beneficiaries	1,301.88	1,514.29
Gross Total	1,399.45	1,618.84
Security Deposits by the beneficiaries	394.27	429.86
Net Working Capital	1,005.18	1,188.98


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Particulars	FY 2015-16	FY 2016-17
	Revised Estimates	ARR
Rate of Interest for Working Capital	12.50%	12.50%
Interest on Working Capital	125.65	148.62


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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 2016-17 (Rs. Crore)

Particulars	FY 2015-16 (Revised Estimates)	FY 2016-17 (ARR)
Interest on Long term Loans	241.92	340.44
Interest on Working Capital Loans	125.65	148.62
Sub Total	367.57	489.06
Interest on Consumer Security Deposits	31.50	31.93
Bank Charges	0.12	0.12
Discount to Consumers	-	-
Sub Total	31.62	32.05
Gross Total Interest & Finance Charges	399.19	521.12
Less: Capitalization of interest on Long term Loans	55.64	78.30
Interest Capitalization Rate (%)	23.00%	23.00%
Net Interest & Finance Charges	343.55	442.81

7.14 PROVISION FOR BAD AND DOUBTFUL DEBTS

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

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


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stipulated in the Distribution Tariff Regulations. The Provision for Bad and Doubtful Debts for 2015-16 along with projections for the financial year 2016-17 are summarized in the table below:

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

Particulars	FY 2015-16	FY 2016-17
Revenue Receivable	4,669.98	5,406.93
Percentage of Debt allowed	2.00%	1.00%
Provision for Bad Debts	93.40	54.07

7.15 OTHER INCOME

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

Table 7-22: Other Income (Rs Crore)

Particulars	FY 2014-15	FY 2015-16	FY 2016-17
Interest on fixed deposits	14.75	15.35	15.49
Interest from Banks other than Fixed Deposits	1.03	1.07	1.08
Interest on loans and Advances to staff	0.04	0.04	0.04
Interest on Advances to Suppliers / Contractors	10.14	10.54	10.64
Miscellaneous receipts	1.81	1.89	1.90
Total	27.77	28.88	29.15

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.*


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3. *The premium raised by the distribution licensee while issuing share capital and investment of internal resources created out of free reserves, if any, for the funding of the project, shall also be reckoned as paid up capital for the purpose of computing return on equity, provided such share capital, premium amount and internal resources are actually utilized for meeting the capital expenditure of the distribution system and forms part of the approved financial package.*
4. *Return on equity shall be chargeable from the first year of operation. In case of infusion of equity during the year, return on equity shall be charged on pro-rata basis.*

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

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

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

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.


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

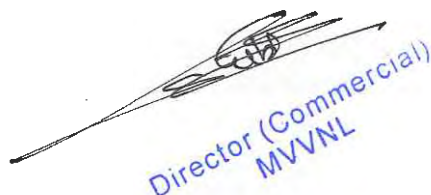
The Hon'ble Commission in the FY 2012-13 tariff order had directed the distribution companies to consider the apportionment of the O&M expenses of UPPCL and submit the share of each discom. Accordingly, the O&M expenses of UPPCL for FY 2014-15 as per provisional accounts have been considered as base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

Considering the above, the same have also been apportioned to all the discoms including the Petitioner in the power purchase ratio for each relevant year. The share of apportionment of O&M charges of UPPCL for FY 2015-16 is Rs. 30.92 crore and Rs. 31.01 crore for FY 2016-17. Accordingly the same have been considered as part of ARR to be recovered from retail consumers.

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

7.19 REVENUE SUBSIDY FROM GOUP

The Petitioner submits that the projected budgeted subsidy for FY 2016-17 for overall Discoms is to the tune of Rs. 5,440 crore, out of which the share of the Petitioner is pegged to be Rs.939.17 crore on provisional basis. However, the decision on the basis and allocation within distribution companies is yet to be finalized by the GoUP. It is submitted that the estimated budgeted subsidy is the absolute quantum of subsidy available from GoUP.



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7.20 ARR SUMMARY

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

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

Particulars	FY 2014-15 (Provisional)	FY 2015-16 (Revised Estimates)	FY 2016-17 (ARR)
Power Purchase (MU)	15,126	19,007	21,525
Unit Sales (MU)	11,665	15,010	17,435
Power Procurement Cost from UPPCL	5,793.40	8,018.21	9,557.51
Transmission Charges	237.41	328.01	416.67
Employee Costs	399.88	553.34	588.69
A&G Costs	171.27	180.30	195.46
Repair & Maintenance Expense	236.35	249.81	262.16
Interest & Finance Charges	1,186.56	399.19	521.12
Provision for Bad and Doubtful Debts	37.95	93.40	54.07
Depreciation	155.62	287.30	424.36
Other (Misc.)-net prior period credit	91.20	-	-
Return on Equity	-	-	-
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	30.15	30.92	31.01
Less: Interest & other expenses capitalized	2.33	165.69	195.92
Total Expenses	8,337.46	9,974.79	11,855.12
Less: Other Income	27.77	28.88	29.15
Less: GoUP Subsidy	1,022.80	979.59	939.17
Total Annual Revenue Requirement	7,286.89	8,966.32	10,886.80
Revenue from Existing Tariffs	5,067.55	7,919.77	9,211.92
Revenue Gap	2,219.34	1,046.55	1,674.89
Operational Gap funding from GoUP	194.69	-	-
Balance gap	2,024.65	1,046.55	1,674.89



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7.21 RETAIL AND WHEELING BUSINESS ARR SUMMARY

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

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

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

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

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



7.22 WHEELING CHARGES FROM OPEN ACCESS CONSUMERS

Clause 2.1(2) & (3) of the Distribution Tariff Regulations provide that ARR/Tariff filing by the Distribution Licensee shall separately indicate Aggregate Revenue Requirement (ARR) for Wheeling function and Retail Supply function embedded in the distribution function. Till such time complete segregation of accounts between Wheeling and Retail Supply Business takes place ARR proposals for Wheeling and Retail Supply Business shall be prepared based on an allocation statement to the best judgment of the distribution licensee. The wheeling charge has been computed on overall consolidated discom basis keeping in line with the consistent philosophy of the Hon'ble Commission in past Tariff Orders.

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

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



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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 2015-16 was issued on 18th June 2015 and the revised retail tariff was implemented after due notification. The Petitioner has evaluated a revenue gap of Rs. 1,674.89 crore in the ensuing year.

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

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

Particulars (Rs Crore)	FY 2016-17
Annual Revenue Requirement	11,825.97
Less: Revenue Subsidy from GoUP	939.17
Less: Revenue from Existing Tariff	9,211.92
Revenue Gap for FY 2016-17	1,674.89

In addition to the above, the revenue gap as per true up petitions filed for FY 2013-14 is to the tune of Rs. 1,942.91. Thus, the total revenue gap which needs to be recovered by the Petitioner from its consumers is to the tune of Rs. 3,617.80 crore excluding carrying cost as shown in the table below:

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

Particulars	MVVNL
Revenue Gap as per True up Petition for 2013-14	1,942.91
Revenue Gap as per ARR for FY 2016-17	1,674.89
Total	3,617.80

Additionally, the un-recovered revenue gap towards prior years truing up to the tune of Rs. 5,871.03 crore was approved by the Hon'ble Commission in the FY 2015-16 tariff order dated 18th June 2015. The same needs to be recovered by the Petitioner along with carrying cost.

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


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PRAYERS

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

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


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Appendix 1

Power Procurement Plan for FY 2016-17

EXECUTIVE SUMMARY

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

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

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

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

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

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

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

Particulars	Unit	2015-16	2016-17
		Revised Estimates	ARR Projections
Energy Required	MU	1,10,231	1,25,627
Total Power Procurement Cost including PGCIL Charges	Rs Crore	44,057	52,848
Average Power Procurement Cost at Input	Rs/kWh	4.00	4.21

POWER PROCUREMENT FROM STATE GENERATING STATIONS

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

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

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

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

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

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


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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)
Obra A	288	533	1.25	66.70	2.55	136.25	3.81	202.95	3.81
Obra B	1000	3955	0.71	281.26	2.40	950.54	3.11	1,231.79	3.11
Panki	210	646	1.46	94.28	4.54	292.93	6.00	387.21	6.00
Parichha	220	425	1.06	45.18	4.39	186.77	5.45	231.95	5.45
Parichha Extn.	420	2252	1.44	324.77	3.60	810.47	5.04	1,135.24	5.04
Parichha Extn. Stage II	500	3388	1.84	624.53	3.59	1,216.15	5.43	1,840.68	5.43
Harduaganj Ext.	500	3388	2.01	681.17	2.83	959.07	4.84	1,640.24	4.84
Anpara D	1000	6192	1.66	1,027.31	1.77	1,094.08	3.43	2,121.39	3.43
Total	5933	32126	1.33	4,282.72	2.48	7,975.92	3.82	12,258.63	3.82

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

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

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

ASSUMPTIONS FOR POWER PURCHASE FROM UPRVNL - FY 2016-17

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


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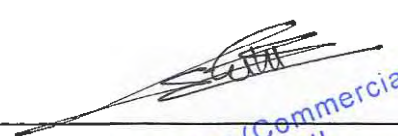
S. No.	Particulars	Assumption
		commissioned in January 2016.
		2. Merit Order Despatch is Must-run for approval of quantum.
2	Fixed & Variable Charges	Fixed Charges have been considered as per the MYT Petition filed by the UPRVUNL before the Hon'ble State Commission. Additionally the improvement in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

ASSUMPTIONS FOR POWER PURCHASE FROM UPJVNL - FY 2016-17

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

CAPACITY ALLOCATION FROM CENTRAL GENERATING STATIONS & OTHER STATIONS

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


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

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

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

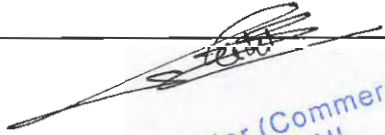
- Provisional power purchase cost and units of FY 2014-15
- Trend observed in the previous and current year
- Impact of loss reduction initiatives.
- Estimated growth in sales.
- Share of expected capacity available from various Generators to the Licensee.

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

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

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

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


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

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

ASSUMPTIONS OF POWER PURCHASE FROM NTPC - FY 2016-17

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


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METHODOLOGY FOR POWER PURCHASE FROM NTPC - FY 2016-17

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

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

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

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

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

ASSUMPTIONS FOR POWER PURCHASE FROM NHPC - FY 2016-17

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

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

METHODOLOGY FOR POWER PURCHASE FROM NHPC - FY 2016-17

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

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

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

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

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

ASSUMPTIONS FOR POWER PURCHASE FROM NPCIL - FY 2016-17

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

METHODOLOGY FOR POWER PURCHASE FROM NPCIL - FY 2016-17

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

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

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

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


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

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

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

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

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

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


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

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

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

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

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

POWER PURCHASE COST: OTHER SOURCES FY 2016-17

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


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SUMMARY OF POWER PURCHASE

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

SUMMARY OF POWER PURCHASE COST FY 2015-16

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

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

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


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SUMMARY OF POWER PURCHASE COST FY 2016-17

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

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


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


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MERIT ORDER DISPATCH

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

MERIT ORDER DISPATCH FY 2016-17

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


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


Director (Commercial)
MVVNL

SUMMARY OF MONTHLY POWER PURCHASE FOR FY 2016-17

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

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



Director (Commercial)
MVVNL

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

ANNEXURE - 1

TARIFF FILING FORMATS

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

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


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Profit & Loss Account						Form S1
S.No	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A	Revenue					
1	Revenue from sale of power	4698.54	4698.54	5067.55	7919.77	9211.92
2	Other Non-tariff income	32.44	32.44	27.77	28.88	29.15
3	Revenue subsidies & grants	817.86	817.86	1022.80	979.59	939.17
4	Revenue from Bulk Sales to Torrent Power Ltd	0.00	0.00	0.00	0.00	0.00
	Total Revenue or Income	5548.85	5548.85	6118.12	8928.24	10180.23
B	Expenditure*					
1	Purchase of Power from own and State Generating Stations	6693.04	5791.63	5793.40	8018.21	9557.51
2	Purchase of Power from Other Sources					
3	Intra-State Transmission Charges	298.94	268.93	237.41	328.01	416.67
4	Repairs and Maintenance	225.00	225.00	236.35	249.81	262.16
5	Employee costs	500.06	500.06	399.88	553.34	588.69
6	Administration and General expenses	163.71	163.71	171.27	180.30	195.46
7	Net prior period credit charges	(23.18)	(23.18)	91.20	0.00	0.00
8	Other Debits, Write-offs	(31.32)	63.14	37.95	93.40	54.07
9	Other Misc Expenses / Incomes	0.00	0.00	0.00	0.00	0.00
10	Reasonable Return	0.00	0.00	0.00	0.00	0.00
11	Less: Expenses Capitalized	(138.50)	(138.50)	(2.33)	(110.05)	(117.62)
	Contingency Reserve	0.00	0.00	0.00	0.00	0.00
C	PBDIT	(2138.90)	(1301.94)	(847.00)	(384.78)	(776.70)
D	Less Depreciation and Related debits	129.82	258.04	155.62	287.30	424.36
E	PBIT	(2268.72)	(1559.98)	(1002.62)	(672.08)	(1201.06)
1	Interest & Finance Charges	1004.43	364.34	1186.56	399.19	521.12
2	Less: Interest Capitalized	(10.38)	(10.38)	0.00	(55.64)	(78.30)
F	Total Interest and Finance Charges	994.05	353.96	1186.56	343.55	442.81
G	TOTAL EXPENDITURE	8811.62	7462.79	8307.30	9943.87	11824.11
H	Profit/Loss before Tax	(3262.77)	(1913.94)	(2189.19)	(1015.62)	(1643.87)
I	Add: Allocation of Interest Charges and O&M of UPPCL	0.00	28.97	30.15	30.92	31.01
J	Add: Efficiency Gains	0.00	0.00	0.00	0.00	0.00
	Operational Gap funding from GoUP	0.00	0.00	194.69	0.00	0.00
K	Profit/Loss before Tax	(3262.77)	(1942.91)	(2024.65)	(1046.55)	(1674.89)


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited					
Balance Sheet					Form No: S2
S.No	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates
					FY 2016-17 ARR
I. SOURCES OF FUNDS					
	A) Shareholders' Funds				
	a) Share Capital				
	b) Reserves and Surplus				
	B) Special Appropriation allowed towards Project Cost				
	C) Loan Funds				
	a) Short Term Borrowings				
	b) Long Term Borrowings				
	D) Other sources of Funds				
	a) Capital contributions from consumers				
	b) Consumers' Security Deposits				
	c) Grants & Subsidies towards cost of capital				
	TOTAL SOURCES OF FUNDS (A+B+C+D)				
II. APPLICATION OF FUNDS					
	A) Fixed Assets				
	a) Gross Block				
	less: Accumulated Depreciation				
	b) Net Block				
	c) Capital Work in Progress				
	less: Assets written off till date				
	B) Investments (provide details separately)				
	C) Current Assets, Loans and Advances				
	i) Inventories				
	ii) Sundry Debtors				
	iii) Cash and Bank Balances				
	iv) Loans & Advances				
	iii) Other Current Assets				
	D) less: Current Liabilities and other Provisions				
	i) Current Liabilities				
	ii) Provisions				
	E) Net Current Assets				
	F) Miscellaneous Expenditure to the extent not written off or adjusted				
	TOTAL APPLICATION OF FUNDS				

The Hon'ble Commission in the True up Order for FY 2008-09 to FY 2011-12 dated 01st October, 2014 and True up order for FY 2012-13 dated 18th June 2015 had adopted a normative tariff approach towards capital structure. This entailed that regulatory balances towards equity, GFA, accumulated depreciation, loans, etc would be different from financial statements. Hence, Forms S2, S3 and F19 have become infrutuous as they would not match with financial statements. Considering the above, the Licensee seeks waiver from filing the Form Nos S2, S3 and F19.


Director (Commercial)
MVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited					
Cash Flow Statement				Form No: S3	
S.No	Particulars	FY 2013-14 Audited	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
A	Net Funds from Operations:				
	Net (loss)/ profit before tax but after exceptional/ extra ordinary items				
	Adjustments for :				
	Depreciation and amortization				
	Interest expenses				
	Income from Investments				
	(Profit) / Loss on fixed asset sold				
	Miscellaneous expenditures written off				
	Deferred revenue expenditure written off				
	Debts/advances written off				
	Provision for bad and doubtful debts				
	Liability no longer required written back				
	Provision for Gratuity and Leave Encashment				
	Exceptional/ Extraordinary items Expenses/ (income)				
	Diminution in value of investments				
	Operating profits before working capital changes				
	Adjustment for changes in working capital				
	(Increase)/ decrease in sundry debtors				
	(Increase)/ decrease in other receivables				
	(Increase)/ decrease in inventories				
	Increase /(decrease) in in trade and other payables				
	Cash generated from operations				
	Taxes (paid)/ received (net of TDS)				
	Net cash from operating activities				
B	Cash flow from investing activities				
	Purchase of fixed assets:				
	Additions during the period				
	Capital work in progress:				
	Additions during the period				
	Proceeds from sale of fixed assets				
	Proceeds from sale of investments				
	Purchase of investments				
	Interest received (revenue)				
	Net cash used in investing activities				
C	Cash flow from financing activities				
	Proceeds/(Repayments) of long term borrowings (net)				
	Equity from GoUP				
	Proceeds from consumers contribution and GoUP capital subsidy				
	Capital contribution from consumers and GoUP capital subsidy diminished				

The Hon'ble Commission in the True up Order for FY 2008-09 to FY 2011-12 dated 01st October, 2014 and Trueup order for FY 2012-13 dated 18th June 2015 had adopted a normative tariff approach towards capital structure. This entailed that regulatory balances towards equity, GFA, accumulated depreciation, loans, etc would be different from financial statements. Hence, Forms S2, S3 and F19 have become infrutuous as they would not match with financial statements. Considering the above, the Licensee seeks waiver from filing the Form Nos S2, S3 and F19.


Director (Commercial)
MVN

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


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Annual Revenue Requirement					Form No: S4	
S.No	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
	Power Purchase or Energy Available (MU)	14,252.93	14,252.93	15,126.36	19,006.59	21,524.59
	Sale of Power (MU)	10,710.70	10,710.70	11,665.40	15,009.51	17,434.92
	Loss %	24.85%	24.85%	22.88%	21.03%	19.00%
1	Receipts					
a	Revenue from tariffs & Miscell. Charges (incl bulk sales to TPL)	4,698.54	4,698.54	5,067.55	7,919.77	9,211.92
b	Subsidy from Govt.	817.86	817.86	1,022.80	979.59	939.17
c	Torrent power ltd					
	Total	5,516.40	5,516.40	6,090.35	8,899.36	10,151.08
2	Expenditure					
a	Purchase of Power	6,693.04	5,791.63	5,793.40	8,018.21	9,557.51
b	Purchase of Power from Other Sources					
c	Intra-State Transmission Charges	298.94	268.93	237.41	328.01	416.67
d	R&M Expense	225.00	225.00	236.35	249.81	262.16
e	Employee Expenses	500.06	500.06	399.88	553.34	588.69
f	A&G Expense	163.71	163.71	171.27	180.30	195.46
g	Depreciation	129.82	258.04	155.62	287.30	424.36
h	Interest & Finance Charges	1,004.43	364.34	1,186.56	399.19	521.12
i	Less: Interest & other expenses capitalised	148.88	148.88	2.33	165.69	195.92
j	Other Debits (incl. Prov for Bad debts)	- 31.32	63.14	37.95	93.40	54.07
k	Other Misc Expenses / Incomes	0	0	0	0	0
l	Other (Misc.)-net prior period credit	- 23.18	- 23.18	91.20	-	-
	Total	8,811.62	7,462.79	8,307.30	9,943.87	11,824.11
3(i)	Reasonable Return	-	-	-	-	-
3(ii)	Contingency Reserve	-	-	-	-	-
4	Non tariff income	32.44	32.44	27.77	28.88	29.15
5	Annual Revenue Requirement (2)+(3)-(4)	8,779.17	7,430.35	8,279.53	9,914.98	11,794.96
6	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	(3262.77)	(1913.94)	(2189.19)	(1015.62)	(1643.87)
7	Add: Allocation of Interest Charges and O&M of UPPCL	0.00	28.97	30.15	30.92	31.01
8	Efficiency Gains					
9	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	(3262.77)	(1942.91)	(2219.34)	(1046.55)	(1674.89)
10	Tariff Revision Impact	-	-	-	-	-
	Operational Gap funding from GoUP			194.69		
11	Surplus(+) / Shortfall(-) : (6)-(7) after tariff revision	(3,262.77)	(1,942.91)	(2,024.65)	(1,046.55)	(1,674.89)


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited					
Information regarding amount of Equity & Loan				Form No: S5	
		FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
Sr. No.	Period	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Amt. of Regulatory Equity (Rs. in crores)	2,780.44	2,780.44	3,353.93	3,998.93
2	Amt. of Regulatory Loan (Rs. in crores)	1,416.81	2,091.58	3,142.42	4,223.05
3	Debt Equity Ratio	51%	75%	94%	106%


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited
Information regarding Working Capital Form No: S6

Sr. No.	Particulars	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
1	One month's O & M Expenses	74.06	67.29	81.95	87.19
2	One-twelfth of the sum of the book value of materials in stores at the end of each month of such financial year.	8.85	32.49	15.62	17.36
3	Receivables equivalent to 60 days average billing on consumers	772.36	833.02	1,301.88	1,514.29
	Gross Total	855.27	932.80	1,399.45	1,618.84
Less:					
1	Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	290.90	346.94	394.27	429.86
	Net Working Capital	564.37	585.86	1,005.18	1,188.98
	Rate of Interest on Working Capital	12.50%	12.50%	12.50%	12.50%
	Normative Interest on Working Capital	70.55	73.23	125.65	148.62


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited					
Reasonable Return				Form No: S7	
S.No	Particulars	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
	Shareholders' Funds				
1	Share Capital	2,780.44	2,780.44	3,353.93	3,998.93
2	Reserves and Surplus	-10,853.69	-12,575.51	-13,622.06	-15,296.95
	Total Equity	-8,073.25	-9,795.07	-10,268.13	-11,298.02
	Return as a % of Equity				


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Energy Balance					Form No: S8	
S.No	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Purchase of Power					
	Power from own Stations (if any)	14,252.93	14,252.93	15,126.36	19,006.59	21,524.59
	Power from State Stations					
	Power from Central Stations					
	Power from Other Sources					
	I.					
	ii.					
	iii.					
	Total Power Available	14,252.93	14,252.93	15,126.36	19,006.59	21,524.59
2	Energy Sales within the state					
	a) LT Sales					
	b) HT Sales					
	c) EHT Sales					
	Total Energy Sales	10,710.70	10,710.70	11,665.40	15,009.51	17,434.92
3	Distribution Loss	3,542.22	3,542.22	3,460.96	3,997.09	4,089.67
4	Total Transmission losses (Intra & Inter)	7.91%	7.91%	5.18%	5.26%	5.26%
5	Tradable Power	-	-	-	-	-


Director (Commercial)
MVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Truing Up of past accounts

Form No: S9

S.No	Particulars	FY 2013-14		
		Tariff Order	Audited	True-up
	Power Purchase or Energy Available (MU)	14,862.75	14,252.93	14,252.93
	Sale of Power (MU)	11,444.00	10,710.70	10,710.70
	Loss %	23.00%	24.85%	23.00%
1	Receipts			
a	Revenue from tariffs & Miscell. Charges	6092.48	4698.54	4698.54
b	Subsidy from Govt.	817.40	817.86	817.86
	Total	6909.88	5516.40	5516.40
2	Expenditure			
a	Purchase of Power	5830.95	6693.04	5791.63
b	Purchase of Power from Other Sources			
c	Intra-State Transmission Charges	200.50	298.94	268.93
d	R&M Expense	153.03	225.00	225.00
e	Employee Expenses	469.55	500.06	500.06
f	A&G Expense	87.52	163.71	163.71
g	Depreciation	258.23	129.82	258.04
h	Interest & Finance Charges	242.22	1004.43	364.34
i	Less: Interest & other expenses capitalised	-111.09	-148.88	-148.88
j	Other Debits (incl. Prov for Bad debts)	0.00	-31.32	63.14
k	Extraordinary Items	0.00	0.00	0.00
l	Other (Misc.)-net prior period credit	0.00	-23.18	-23.18
m	Allocation of UPPCL Charges	0.00	0.00	28.97
n	Efficiency Gains	0.00	0.00	0.00
	Total	7130.92	8811.62	7491.76
3	Reasonable Return	0.00	0.00	0.00
4	Other Income	14.40	32.44	32.44
5	Annual Revenue Requirement (2)+(3)-(4)	7116.52	8779.17	7459.32
6	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	-206.64	-3262.77	-1942.91
7	Tariff Revision Impact			
8	Surplus(+) / Shortfall(-) : (6)-(7)after tariff revision	-206.64	-3262.77	-1942.91



Director (Commercial)
MVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

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

Form No: F1(a1)

SUPPLY TYPE	CATG.	Lucknow Discom	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	1,208,758	1,505,967	1,543
		(ii) Metered	412,841	320,410	274
	(B)	Supply at Single Point for Bulk Load	33	34,219	100
	(C1)	Other Metered Domestic Consumers	1,312,454	2,170,145	2,953
	(C2)	Life Line Consumers/BPL	517,364	571,912	393
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	3,451,450	4,602,653	5,263
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	26,165	44,042	45
		(ii) Metered	25,285	66,825	73
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	2
	(C)	Other Metered Non-Domestic Supply	242,489	652,953	865
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	293,939	763,820	984
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	469	12,232	40
		(ii) Nagar Palika & Nagar Panchyat	2,544	15,795	47
		(iii) Nagar Nigam	44	5,826	20
	(B)	Metered Supply			
		(i) Gram Panchyat	-	-	0
		(ii) Nagar Palika & Nagar Panchyat	82	12,186	47
		(iii) Nagar Nigam	60	31,658	133
SUB TOTAL		PUBLIC LAMPS (LMV-3)	3,199	77,697	287
LMV--4	(A)	Public Institution(4 A)	16,317	89,115	206
	(B)	Private Institution(4 B)	2,518	24,774	49
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	18,835	113,889	256
LMV--5	(A)	Rural Schedule			
		(i) Un metered Supply	132,748	594,068	755
		(ii) Metered Supply	1,694	7,725	8
	(B)	Urban Schedule			
		(i) Metered Supply	6,269	30,335	127
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	140,711	632,128	890
LMV--6	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	1,077	8,175	68
		(ii) Urban Schedule	10,829	45,635	71
	(B)	Small & Medium Power			
		(i) Rural Schedule	11,764	94,051	84
		(ii) Urban Schedule	12,874	172,250	274
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	36,544	320,111	496
LMV--7	(A)	Rural Schedule			
		(i) Jal Nigam	301	5,625	29
		(ii) Jal Sansthan	57	5,116	16
		(iii) Others (Water Works)	252	5,944	29
	(B)	Urban Schedule			
		(i) Jal Nigam	193	6,096	35
		(ii) Jal Sansthan	579	33,095	189
		(iii) Others (Water Works)	433	21,516	83
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	1,815	77,392	380
LMV--8	(A)	Metered Supply	458	8,163	61
	(B)	Un-metered Supply			
		(i) STW,Panchayat Raj WB I.Duch P.C, L.I upto 100 BHP	9,238	127,105	711
		(ii) Laghu Dal Nahar above 100 BHP	9	3,346	32
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	9,705	138,614	804
LMV--9	(A)	Metered Supply			
		(i) Individual Residential Consumers	1,807	8,289	25
		(ii) Others	-	-	-
	(B)	Un-metered Supply			
		(i) Ceremonies	173	194	0
		(ii) Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	1,980	8,483	25
LMV--10	(A)	Serving			
		(i) Class IV Employees	3,003	7,785	10
		(ii) Class III Employees	4,596	14,065	14
		(iii) Junior Engineers & Equivalent	385	1,375	2
		(iv) Assistant Engineers & Equivalent	117	501	1

Director (Commercial)
MVVNL

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Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

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

Form No: F1(a1)

SUPPLY TYPE	CATG.	Lucknow Discom	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(v) Executive Engineers & Equivalent	50	214	0
		(vi) Deputy General Manager & Equivalent	7	31	0
		(vii) CGM/GM & Equivalent posts and above	623	4,413	6
	(B)	Total Pensioner & Family Pensioner	15,576	42,433	97
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	24,357	70,817	130
HV--1	(A)	Urban Schedule			
		(i) For supply at 11kV	674	252,938	538
		(ii) For supply at 33 kV & above	16	8,044	16
	(B)	Rural Schedule			
		(i) For supply at 11kV	1	236	4
		(ii) For supply at 33 kV & above	1	150	3
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	692	261,368	561
HV--2	(A)	Urban Schedule			
		(i) For supply at 11kV	1,110	368,126	878
		(ii) For supply above 11kV and upto & Including 66kV	152	99,240	277
		(iii) For supply above 66kV and upto & Including 132kV	13	29,665	74
		(iv) For supply above 132kV	3	23,500	11
	(B)	Rural Schedule			
		(i) For supply at 11kV	129	31,712	60
		(ii) For supply above 11kV and upto & Including 66kV	5	731	2
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	1,412	552,974	1,302
HV--3	(A)	For supply at and above 132kV	8	52,700	115
	(B)	For supply below 132kV	-	-	-
	(C)	For Delhi Metro Rail	-	-	1
SUB TOTAL		RAILWAY TRACTION (HV-3)	8	52,700	117
HV--4	(A)	For supply at 11kV	24	12,743	38
	(B)	For supply above 11kV and upto 66kV	5	12,252	64
	(C)	For supply above 66kV and upto 132kV	1	2,250	11
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)	30	27,245	113
EXTRA STATE	(A)	EXTRA STATE & OTHERS	1	5,000	59
SUB TOTAL		EXTRA STATE CONSUMERS	1	5,000	59
BULK	(A)	Torrent (Depicted as Retail Sales)	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
GRAND TOTAL			3,984,678	7,704,891	11,665

Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2015-16

Form No: F1(a2)

SUPPLY TYPE	CATG.	Lucknow Discom	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	1,184,583	1,677,499	2,174
	(ii)	Metered	652,289	570,156	551
	(B)	Supply at Single Point for Bulk Load	36	37,641	0
	(C1)	Other Metered Domestic Consumers	1,443,699	2,387,160	3,173
	(C2)	Life Line Consumers/BPL	620,837	686,294	541
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	3,901,444	5,358,749	6,438
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	27,473	46,299	60
	(ii)	Metered	31,606	90,172	128
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-
	(C)	Other Metered Non-Domestic Supply	247,339	666,012	893
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	306,418	802,482	1,081
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	474	12,354	44
	(ii)	Nagar Palika & Nagar Panchyat	2,646	16,427	71
	(iii)	Nagar Nigam	46	6,690	29
	(B)	Metered Supply			
	(i)	Gram Panchyat	-	-	-
	(ii)	Nagar Palika & Nagar Panchyat	89	10,012	48
	(iii)	Nagar Nigam	63	45,955	225
SUB TOTAL		PUBLIC LAMPS (LMV-3)	3,318	91,437	418
LMV--4	(A)	Public Institution(4 A)	17,622	112,232	315
	(B)	Private Institution(4 B)	2,644	31,599	81
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	20,266	143,831	397
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	138,058	617,831	1,019
	(ii)	Metered Supply	2,202	14,238	38
	(B)	Urban Schedule			
	(i)	Metered Supply	6,582	31,852	133
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	146,843	663,920	1,191
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	1,292	5,550	45
	(ii)	Urban Schedule	11,370	47,917	413
	(B)	Small & Medium Power			
	(i)	Rural Schedule	11,999	102,347	106
	(ii)	Urban Schedule	13,646	186,915	305
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	38,309	342,728	869
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	304	11,524	59
	(ii)	Jal Sansthan	66	5,883	193
	(iii)	Others (Water Works)	315	12,734	94
	(B)	Urban Schedule			
	(i)	Jal Nigam	247	7,803	44
	(ii)	Jal Sansthan	602	34,896	199
	(iii)	Others (Water Works)	455	23,039	149
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	1,988	95,879	738
LMV--8	(A)	Metered Supply	513	10,732	194
	(B)	Un-metered Supply			
	(i)	STW.Panchayat Raj WB I.Duch P.C. L I upto 100 BHP	9,423	142,363	604
	(ii)	Laghu Dal Nahar above 100 BHP	12	2,910	1
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	9,947	156,004	798
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	1,897	8,703	28
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	175	3,564	7
	(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	2,072	12,268	35
LMV--10	(A)	Serving			
	(i)	Class IV Employees	3,153	8,571	10
	(ii)	Class III Employees	4,688	18,106	15
	(iii)	Junior Engineers & Equivalent	400	1,806	2
	(iv)	Assistant Engineers & Equivalent	122	621	1
	(v)	Executive Engineers & Equivalent	51	218	0

Director (Commercial)
MVNL

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Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited

Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2015-16

Form No: F1(a2)

SUPPLY TYPE	CATG.	Lucknow Discom	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(vi) Deputy General Manager & Equivalent	7	33	0
		(vii) CGM/GM & Equivalent posts and above	623	4,413	6
	(B)	Total Pensioner & Family Pensioner	16,822	62,834	107
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	25,866	96,603	141
HV-1	(A)	Urban Schedule			
	(i)	For supply at 11kV	775	290,879	619
	(ii)	For supply at 33 kV & above	19	9,653	42
	(B)	Rural Schedule			
	(i)	For supply at 11kV	1	248	4
	(ii)	For supply at 33 kV & above	1	180	4
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	797	300,959	669
HV-2	(A)	Urban Schedule			
	(i)	For supply at 11kV	1,143	379,170	1,133
	(ii)	For supply above 11kV and upto & Including 66kV	182	119,088	553
	(iii)	For supply above 66kV and upto & Including 132kV	14	32,038	80
	(iv)	For supply above 132kV	3	24,675	29
	(B)	Rural Schedule			
	(i)	For supply at 11kV	161	39,640	81
	(ii)	For supply above 11kV and upto & Including 66kV	5	731	14
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	1,509	595,342	1,889
HV-3	(A)	For supply at and above 132kV	9	60,605	132
	(B)	For supply below 132kV	-	-	-
	(C)	For Delhi Metro Rail	-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)	9	60,605	132
HV-4	(A)	For supply at 11kV	27	14,272	61
	(B)	For supply above 11kV and upto 66kV	6	13,600	78
	(C)	For supply above 66kV and upto 132kV	1	2,250	15
SUB TOTAL		LIFT IRRIGATION & P.C ABOVE 100 BHP (75kW) (HV-4)	33	30,122	154
EXTRA STATE	(A)	EXTRA STATE & OTHERS	1	5,000	59
SUB TOTAL		EXTRA STATE CONSUMERS	1	5,000	59
BULK	(A)	Torrent	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
GRAND TOTAL			4,458,821	8,755,930	15,010


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited					Form No: F1(a3)	
Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2016-17						
SUPPLY TYPE	CATG.	Lucknow Discom	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)	
LMV-1	(A)	Consumer getting supply as per "Rural Schedule"				
	(i)	Un-metered	1,160,891	1,643,949	2,131	
	(ii)	Metered	900,159	786,815	965	
	(B)	Supply at Single Point for Bulk Load	40	41,405	0	
	(C1)	Other Metered Domestic Consumers	1,588,069	2,625,875	3,860	
	(C2)	Life Line Consumers/BPL	745,004	823,553	789	
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	4,394,163	5,921,597	7,745	
LMV-2	(A)	Consumer getting supply as per "Rural Schedule"				
	(i)	Un-metered	28,847	48,614	63	
	(ii)	Metered	39,508	112,714	203	
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-	-	-	
	(C)	Other Metered Non-Domestic Supply	252,286	679,332	1,004	
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	320,640	840,660	1,270	
LMV-3	(A)	Un-metered Supply				
	(i)	Gram Panchyat	478	12,478	45	
	(ii)	Nagar Palika & Nagar Panchyat	2,752	17,084	74	
	(iii)	Nagar Nigam	49	7,025	30	
	(B)	Metered Supply				
	(i)	Gram Panchyat	-	-	-	
	(ii)	Nagar Palika & Nagar Panchyat	97	10,913	67	
	(iii)	Nagar Nigam	66	48,252	239	
SUB TOTAL		PUBLIC LAMPS (LMV-3)	3,442	95,751	456	
LMV-4	(A)	Public Institution(4 A)	19,032	121,211	408	
	(B)	Private Institution(4 B)	2,776	33,179	96	
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	21,808	154,389	503	
LMV-5	(A)	Rural Schedule				
	(i)	Un metered Supply	143,580	642,544	1,060	
	(ii)	Metered Supply	2,863	18,509	50	
	(B)	Urban Schedule				
	(i)	Metered Supply	6,912	33,444	140	
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	153,355	694,498	1,250	
LMV-6	(A)	Small & Medium Power (Power Loom)				
	(i)	Rural Schedule	1,551	6,659	69	
	(ii)	Urban Schedule	11,939	50,313	554	
	(B)	Small & Medium Power				
	(i)	Rural Schedule	12,239	104,394	138	
	(ii)	Urban Schedule	14,465	198,130	383	
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	40,194	359,495	1,144	
LMV-7	(A)	Rural Schedule				
	(i)	Jal Nigam	307	11,640	59	
	(ii)	Jal Sansthan	75	6,766	222	
	(iii)	Others (Water Works)	394	15,917	117	
	(B)	Urban Schedule				
	(i)	Jal Nigam	316	9,988	57	
	(ii)	Jal Sansthan	626	36,292	207	
	(iii)	Others (Water Works)	477	24,191	157	
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	2,196	104,793	819	
LMV-8	(A)	Metered Supply	575	12,020	217	
	(B)	Un-metered Supply				
	(i)	STW.Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	9,611	145,210	616	
	(ii)	Laghu Dal Nahar above 100 BHP	15	3,724	1	
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	10,200	160,954	834	
LMV-9	(A)	Metered Supply				
	(i)	Individual Residential Consumers	1,992	9,139	30	
	(ii)	Others	-	-	-	
	(B)	Un-metered Supply				
	(i)	Ceremonies	176	3,600	7	
	(ii)	Temporary Shops	-	-	-	
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	2,169	12,739	38	
LMV-10	(A)	Serving				
	(i)	Class IV Employees	3,311	8,999	13	
	(ii)	Class III Employees	4,782	18,469	18	
	(iii)	Junior Engineers & Equivalent	416	1,879	3	
	(iv)	Assistant Engineers & Equivalent	127	646	1	
	(v)	Executive Engineers & Equivalent	52	223	0	
	(vi)	Deputy General Manager & Equivalent	7	33	0	
	(vii)	CGM/GM & Equivalent posts and above	623	4,413	6	
	(B)	Total Pensioner & Family Pensioner	18,168	67,861	122	

Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited					
Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2016-17				Form No: F1(a3)	
SUPPLY TYPE	CATG.	Lucknow Discom	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	27,486	102,522	163
HV-1	(A)	Urban Schedule			
		(i) For supply at 11kV	891	334,511	712
		(ii) For supply at 33 kV & above	23	11,583	50
	(B)	Rural Schedule			
		(i) For supply at 11kV	1	260	4
		(ii) For supply at 33 kV & above	1	216	4
SUB TOTAL		NON-INDUSTRIAL BULK LOADS (HV-1)	917	346,570	771
HV-2	(A)	Urban Schedule			
		(i) For supply at 11kV	1,178	390,545	1,167
		(ii) For supply above 11kV and upto & Including 66kV	219	142,906	664
		(iii) For supply above 66kV and upto & Including 132kV	15	34,601	86
		(iv) For supply above 132kV	3	25,909	31
	(B)	Rural Schedule			
		(i) For supply at 11kV	202	49,550	101
		(ii) For supply above 11kV and upto & Including 66kV	5	731	14
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HIV-2)	1,622	644,241	2,062
HV-3	(A)	For supply at and above 132kV	11	69,696	152
	(B)	For supply below 132kV	-	-	-
	(C)	For Delhi Metro Rail	-	-	-
SUB TOTAL		RAILWAY TRACTION (HV-3)	11	69,696	152
HV-4	(A)	For supply at 11kV	30	15,985	69
	(B)	For supply above 11kV and upto 66kV	6	15,096	86
	(C)	For supply above 66kV and upto 132kV	1	2,250	15
SUB TOTAL		LIFT IRRIGATION & P.C ABOVE 100 BHP (75kW) (HV-4)	37	33,331	170
EXTRA STATE	(A)	EXTRA STATE & OTHERS	1	5,000	59
SUB TOTAL		EXTRA STATE CONSUMERS	1	5,000	59
BULK	(A)	Torrent	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
GRAND TOTAL			4,978,241	9,546,237	17,435


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Revenue & Capital Subsidies					Form No: F2	
S.No	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
A	Revenue Subsidies And Grants					
1	Revenue Subsidy					
2	Agriculture Subsidy	817.86	817.86	1,022.80	979.59	939.17
3	Subsidy adjustment against ED					
4						
5	Subsidy for Power Looms					
	Sub-Total	817.86	817.86	1,022.80	979.59	939.17
B	Capital Subsidies And Grants					
1	APDRP					
2	PTW					
3	UPSIDC	138.66	138.66	272.67	253.27	225.81
4	Indian Industries Association					
5	Others					
	Sub-Total	138.66	138.66	272.67	253.27	225.81
	Total	956.52	956.52	1,295.47	1,232.86	1,164.97
S.No	Actual Flow of Funds	FY 2012-13 Audited	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
	In Rs Crores					
1	Balance Subsidy for Previous years Receivable					
2	Subsidy Due for the year	956.52	956.52	1,295.47	1,232.86	1,164.97
3	Total Subsidy Receivable	956.52	956.52	1,295.47	1,232.86	1,164.97
4	Cash	956.52	956.52	1,295.47	1,232.86	1,164.97
5	ED Adjustment/Retained	-	-	-	-	-
6	Cess Adjustment/Retained					
7	Central Assistance Adjustment					
8	Adjustment of Penal int on ED & Cess					
9	Adjustment of Past Loans					
10	Adjustment of Interest on Loan					
11	Total Subsidy Received	956.52	956.52	1,295.47	1,232.86	1,164.97
12	Balance Subsidy Receivable: (3)-(12)	-	-	-	-	-


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited				
Income from Investments and Non-Tariff Income			Form No: F3	
S.No	Particulars	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
A	Income from Investment			
1	Interest Income from Investments	-	-	-
2	Interest on fixed deposits	14.75	15.35	15.49
3	Interest from Banks other than Fixed Deposits	1.03	1.07	1.08
4	Interest on (any other items)	-	-	-
	Sub-Total (A)	15.78	16.42	16.57
B	Non Tariff Income			
1	Interest on loans and Advances to staff	0.04	0.04	0.04
2	Interest on Loans and Advances to Licensee			
3	Interest on Loans and Advances to Lessors			
4	Interest on Advances to Suppliers / Contractors	10.14	10.54	10.64
5	Income from Trading			
6	Gain on Sale of Fixed Assets			
7	Miscellaneous receipts	1.81	1.89	1.90
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			
	Sub-Total (B)	11.99	12.47	12.58
	Total	27.77	28.88	29.15


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited															Form No: F4a
Details of Monthly Electricity Purchases from different Generating Stations - FY 2014-15															
MONTH	Plant Capacity	UTILITY'S SHARE		Availability of Generating Station	Total Fixed or Capacity Charges	ESO by Generator	Energy Share to be received by the utility (Deducting auxiliary consumption)	Energy Units received by utility at its periphery (After deducting inter state/intra state transmission losses)	Fixed or Capacity charges to be paid by the utilities	Var Charges/En ergy Charges to be paid by the utilities	Incentive to generating stations (if any)	Transmission /Wheeling Charges (inter state/intra state)	Any other charges	Avg cost of energy at gen bus bar	Avg cost of energy recd at interface point of the utility
	MW	MW	%		Rs Cr	MU	MU	MU	p.u	p.u	p.u	p.u	p.u	p.u	p.u
1	2	3	4		5	6	7	9	10	11	12	13	14	15	16
April															
May															
June															
July															
August															
September															
October															
November															
December															
January															
February															
March															
TOTAL								15126.36							
Arrear Bills for the past period due to revision of energy account/ tariff revision															
Total Cost															


Director (Commercial)
MVVNL

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


Director (Commercial)
MVVNL

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


Director (Commercial)
MVVNL

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


Director (Commercial)
MVNL

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


Director (Commercial)
MVNVL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited									
Energy Transmitted/wheeled through a particular transmission system, charges payable and other details									Form No: F4b
S No.	Name of the transmission system	Capacity of the transmission system	Energy Wheeled through the transmission system	Maximum Demand imposed by the distribution licensee on the transmission system	Transmission capacity aloted to the distribution licensee	Transmission charges	Other charges	Total Charges	Transmissi on charges/unit
			(MU)	MW	MW	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.
1	UPPTCL	FY 2014-15	15,126.36			237.41	-	237.41	0.157
2	UPPTCL	FY 2015-16	19,006.59			328.01	-	328.01	0.173
3	UPPTCL	FY 2016-17	21,524.59			416.67	-	416.67	0.19358
4									
5									
6									
7									
8									
9									


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Repair & Maintenance Expenditure					Form No: F5	
S No.	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Plant and Machinery	71.93	71.93	71.47	80.57	81.31
2	Building	13.49	13.49	4.98	15.11	15.24
3	Civil Works	0.49	0.49	0.44	0.55	0.56
4	Hydraulic Works		-		-	-
5	Transformers		-		-	-
6	Lines, Cables Net Works etc.	138.77	138.77	150.86	155.44	156.87
7	Vehicles	0.07	0.07	8.21	0.08	0.08
8	Furniture and Fixtures	0.06	0.06	0.09	0.07	0.07
9	Office Equipments	0.19	0.19	0.31	0.21	0.21
10	Transportation				-	-
11	Sub station maintenance by private agencies				-	-
12	Any other items (Capitalisation)				-	-
	Additional R&M(@2.5% of incremental GFA)				2.22	7.81
	Total	225.00	225.00	236.35	249.81	262.16


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Employee Cost and Provisions					Form No: F6a	
S.No	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
1	Salaries	193.32	193.32	173.24	216.55	218.54
2	Dearness Allowance	145.51	145.51	152.33	162.99	164.49
3	Other Allowances & Relief	15.71	15.71	13.68	17.59	17.76
4	Bonus/Exgratia	3.64	3.64	0.30	4.08	4.11
5	Medical Expenses Reimbursement	3.23	3.23	2.57	3.61	3.65
6	Leave Travel Assistance	0.00	0.00	-	0.00	0.00
7	Earned Leave Encashment	70.85	70.85	16.82	79.37	80.10
8	Compensation	0.17	0.17	0.09	0.19	0.19
9	Staff Welfare Expenses	0.92	0.92	0.15	1.03	1.04
10	Pension and gratuity	53.07	53.07	28.47	59.45	60.00
11	Other Terminal benefits	13.64	13.64	12.25	15.28	15.42
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)				6.80	23.39
	Grand Total	500.06	500.06	399.88	553.34	588.69
	Employee expenses capitalized	121.66	121.66	2.33	83.00	88.30
	Net employee expenses	378.41	378.41	397.54	470.34	500.38


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Administration & General Expenses					Form No: F7	
S.No.	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
A)	Administration Expenses					
1	Rent rates and taxes (Other than all taxes on income and profit)	0.24	0.24	0.23	0.27	0.27
2	Insurance of employees, assets, legal liability	0.20	0.20	0.30	0.23	0.23
3	Revenue Stamp Expenses Account					
4	Telephone, Postage, Telegram, Internet Charges	2.62	2.62	8.41	2.93	2.96
5	Incentive & Award To Employees, Outsiders					
6	Consultancy Charges	0.24	0.24	0.99	0.27	0.27
7	Travelling	4.11	4.11	3.68	4.60	4.65
8	Technical Fees	0.15	0.15	0.09	0.17	0.17
9	Other Professional Charges					
10	Conveyance And Travel (vehicle hiring, running)					
11	UPERC License fee				-	-
12	Plant And Machinery (for administrative use)					
13	Security / Service Charges Paid To Outside Agencies					
14	Other Regulatory Expenses					
15	IT related expenses					
	Sub-Total of Administrative Expenses	7.57	7.57	13.70	8.48	8.55
B)	Other Charges					
1	Fee And Subscriptions (Books And Periodicals)					
2	Printing And Stationery	2.23	2.23	2.77	2.49	2.52
3	Advertisement Expenses	2.33	2.33	2.56	2.61	2.63
4	Contributions/Donations To Outside Institute / Association					-
5	Electricity Charges To Offices	121.49	121.49	115.53	136.09	137.34
6	Water Charges	0.12	0.12	0.05	0.13	0.13
7	Consultancy expenses /Any Study related expenses				-	-
8	Miscellaneous Expenses	25.58	25.58	33.15	28.65	28.91
9	Expenses on Public Interaction Program				-	-
10	Any Other expenses	1.91	1.91	1.10	2.14	2.16
	Sub-Total of other charges	153.64	153.64	155.16	172.10	173.68
C)	Legal Charges	2.14	2.14	1.83	2.40	2.42
D)	Auditor'S Fee	0.36	0.36	0.59	0.40	0.40
E)	Freight - Material Related Expenses					
F)	Other Departmental Charges					
	Additional A&G expenses(@2.5% of incremental GFA)				3.07	10.40
G)	Total Charges	163.71	163.71	171.27	180.30	195.46
H)	Expenses capitalized	16.84	16.84	-	27.05	29.32
I)	Net Administrative and General expenses	146.87	146.87	171.27	153.26	166.14


Director (Commercial)
MVVNL

		Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited										
		Fixed Assets and Provision for Depreciation										
Sl.No	Particulars	FY 2013-14										
		Gross Fixed Assets				Provision For Depreciation					Net Fixed Assets	
		At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
	a. Unclassified											
	b. Free hold land											
2	Buildings											
3	Other civil works											
4	Plant and machinery											
5	Transmission and Distribution system (Lines, cable network etc.)											
6	Meters and other Metering Equipment											
7	Communication equipment											
8	Vehicles											
9	Furniture and fixtures											
10	Office equipments											
11	Intangible Assets											
	a. Computer Software											
	b. Investment in capacity argumentation											
	c. Others											
12	Assets taken over & pending final valuation											
13	Transfer Schemes											
	Total (1 to 13)	3,599.34	1,001.27	455.42	4,145.19	7.84%		303.58				
	Less: Dep on Assets Capitalized through Consumer Contribution							45.54				
	Net Depreciation							258.04				


Director (Commercial)
MVNL


Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited												
Fixed Assets and Provision for Depreciation											Form No: F8	
Sl.No	Particulars	FY 2014-15										
		Gross Fixed Assets				Provision For Depreciation					Net Fixed Assets	
		At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	Rate of Deprecia-tion	At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
	a. Unclassified											
	b. Free hold land											
2	Buildings											
3	Other civil works											
4	Plant and machinery											
5	Transmission and Distribution system (Lines, cable network etc.)											
6	Meters and other Metering Equipment											
7	Communication equipment											
8	Vehicles											
9	Furniture and fixtures											
10	Office equipments											
11	Intangible Assets											
	a. Computer Software											
	b. Investment in capacity argumentation											
	c. Others											
12	Assets taken over & pending final valuation											
13	Transfer Schemes											
	Total (1 to 13)	4,145.19	31.60	515.32	3,661.47	7.84%		306.02				
	Less: Dep on Assets Capitalized through Consumer Contribution							45.54				
	Net Depreciation							260.48				


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limitec												
Fixed Assets and Provision for Depreciation												Form No: F8
Sl.No	Particulars	FY 2015-16										
		Gross Fixed Assets				Provision For Depreciation				Net Fixed Assets		
		At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
	a. Unclassified											
	b. Free hold land											
2	Buildings											
3	Other civil works											
4	Plant and machinery											
5	Transmission and Distribution system (Lines, cable network etc.)											
6	Meters and other Metering Equipment											
7	Communication equipment											
8	Vehicles											
9	Furniture and fixtures											
10	Office equipments											
11	Intangible Assets											
	a. Computer Software											
	b. Investment in capacity argumentation											
	c. Others											
12	Assets taken over & pending final valuation											
13	Transfer Schemes											
	Total (1 to 13)	3,661.47	2,150.97	-	5,812.45	7.84%		371.38				
	Less: Dep on Assets Capitalized through Consumer Contribution							84.08				
	Net Depreciation							287.30				


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited											
Fixed Assets and Provision for Depreciation										Form No: F-8	
FY 2016-17											
Sl.No	Particulars	Gross Fixed Assets				Provision For Depreciation				Net Fixed Assets	
		At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	Rate of Deprecia-tion	At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	At The begning of Year
1	Land & Land rights										
	a. Unclassified										
	b. Free hold land										
2	Buildings										
3	Other civil works										
4	Plant and machinery										
5	Transmission and Distribution system (Lines, cable network etc.)										
6	Meters and other Metering Equipment										
7	Communication equipment										
8	Vehicles										
9	Furniture and fixtures										
10	Office equipments										
11	Intangible Assets										
	a. Computer Software										
	b. Investment in capacity argumentation										
	c. Others										
12	Assets taken over & pending final valuation										
13	Transfer Schemes										
	Total (1 to 13)	5,812.45	2,368.95	-	8,181.40	0.08		548.56			
	Less: Dep on Assets Capitalized through Consumer Contribution							124.19			
	Net Depreciation							424.36			


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Interest & Finance Charges						Form F-9
S.No	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A	Interest and Finance Charges on Long Term Loans / Credits from the FIs/banks/organisations approved by the State Government					
	Interest on Bonds	162.55	162.55	270.46	241.93	340.44
	Interest on Long Term Loans	247.87	112.02	291.76		
	Interest on Working Capital	574.79	70.55	620.72	125.65	148.62
	Total Interest Charges	985.21	345.12	1,182.94	367.57	489.06
	Finance Charges					
	Interest to Consumers	19.15	19.15	3.51	31.50	31.93
	Bank Charges	0.07	0.07	0.11	0.12	0.12
	Discount to Consumers	-	-	-	-	-
	Finance Charges/Guarantee fees					
	Total Finance Charges	19.22	19.22	3.62	31.62	32.05
	Gross Interest and Finance Charges	1,004.43	364.34	1,186.56	399.19	521.12
	IDC	10.38	10.38	-	55.64	78.30
	Net Interest and Finance Charges	994.05	353.96	1,186.56	343.55	442.81


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing (Normative Loans)					Form No: F9 (a)	
Particulars	Opening Balance at the beginning as on April 1, 2013	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2014
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
Long Term Loans						
Go UP (T/Scheme)						
Go UP-APDRP						
Go UP World Bank						
UPSIDCL						
Hudeo						
REC (T/Scheme)						
PFC (Transfer Scheme)						
REC (APDRP)						
REC (Bridge Loan)						
PFC (T/Scheme)						
PFC (R-APDRP)						
PFC (Business Plan)						
REC (Sub Station Loan)						
REC (ABC Loan)						
PFC (R-APDRP Part B)						
Interest Accrued but not due						
REC (WC)						
REC (Transfer S)						
Bank Loans (FRP)						
PFC						
REC						
Noida+ Mandi Parishad						
Total	1,006.69	668.16	258.04	112.02	9.24%	1,416.81


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing (Normative Loans)					Form No: F9 (a)	
Particulars	Opening Balance at the beginning as on April 1, 2014	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2015
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
Long Term Loans						
Go UP (T/Scheme)						
Go UP-APDRP						
Go UP World Bank						
UPSIDCL						
Hudco						
REC (T/Scheme)						
PFC (Transfer Scheme)						
REC (APDRP)						
REC (Bridge Loan)						
PFC (T/Scheme)						
PFC (R-APDRP)						
PFC (Business Plan)						
REC (Sub Station Loan)						
REC (ABC Loan)						
PFC (R-APDRP Part B)						
Interest Accrued but not due						
REC (WC)						
REC (Transfer S)						
Bank Loans (FRP)						
PFC						
REC						
Noida+ Mandi Parishad						
Total	1,416.81				8.98%	2,091.58


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing (Normative Loans)					Form No: F9 (a)	
Particulars	Opening Balance at the beginning as on April 1, 2015	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2016
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
Long Term Loans						
Go UP (T/Scheme)						
Go UP-APDRP						
Go UP World Bank						
UPSIDCL						
Hudco						
REC (T/Scheme)						
PFC (Transfer Scheme)						
REC (APDRP)						
REC (Bridge Loan)						
PFC (T/Scheme)						
PFC (R-APDRP)						
PFC (Business Plan)						
REC (Sub Station Loan)						
REC (ABC Loan)						
PFC (R-APDRP Part B)						
Interest Accrued but not due						
REC (WC)						
REC (Transfer S)						
Bank Loans (FRP)						
PFC						
REC						
Noida+ Mandi Parishad						
Total	2,091.58	1,338.13	287.30	241.92	9.24%	3,142.42


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing (Normative Loans)						
Particulars	Opening Balance at the beginning as on April 1, 2016	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2017
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
Long Term Loans						
Go UP (T/Scheme)						
Go UP-APDRP						
Go UP World Bank						
UPSIDCL						
Hudco						
REC (T/Scheme)						
PFC (Transfer Scheme)						
REC (APDRP)						
REC (Bridge Loan)						
PFC (T/Scheme)						
PFC (R-APDRP)						
PFC (Business Plan)						
REC (Sub Station Loan)						
REC (ABC Loan)						
PFC (R-APDRP Part B)						
Interest Accrued but not due						
REC (WC)						
REC (Transfer S)						
Bank Loans (FRP)						
PFC						
REC						
Noida+ Mandi Parishad						
Total	3,142.42	1,505.00	424.36	340.44	9.24%	4,223.05


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Details of Expenses Capitalised						Form -10
Sl.No.	Particulars	FY 2013-14	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Interest & Finance charges Capitalised	10.38	10.38	-	55.64	78.30
2	Other expenses capitalised:					
	a. Employee expenses	121.66	121.66	2.33	83.00	88.30
	b. R&M Expenses					
	c. A&G Expenses	16.84	16.84	-	27.05	29.32
	d. Others, if any					
	Total of 2	138.50	138.50	2.33	110.05	117.62
	Grand Total	148.88	148.88	2.33	165.69	195.92


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Debits, Write-offs and any other items						Form-11
Sl.No.	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
1	Material Cost Variance					
2	Miscellaneous Losses And Write Off					
3	Bad Debt Written Off/Provided For	- 31.32	63.14	37.95	93.40	54.07
4	Cost Of Trading & Manufacturing Activities					
5	Net Prior Period Credit/Charges	-23.18	-23.18	91.20	0.00	0.00
6	Sub-Total	- 54.50	39.96	129.15	93.40	54.07
7	Less Chargeable To Capital Expense					
	Net Chargeable To Revenue	(54.50)	39.96	129.15	93.40	54.07


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited					
Statement of Sundry Debtors and provision for Bad & Doubtful Debts					Form No: F12
Sl.No.	Particulars	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
1	Receivable from customers as at the beginning of the year	3,752.08	3,157.00	3,878.00	4,669.98
2	Revenue billed for the year	4,698.54	5,067.55	7,919.77	9,211.92
3	Collection for the year	5,293.62	4,346.55	7,127.79	8,474.96
	Against current dues				
	Against arrears upto previous year				
4	Gross receivable from customers as at the end of the year	3,157.00	3,878.00	4,669.98	5,406.93
5	Receivables against permanently disconnected consumers				
6	Receivables(4-5)	3,157.00	3,878.00	4,669.98	5,406.93
7	% of provision	2.00%	2.00%	2.00%	1.00%
8	Provision for bad and doubtful debts	63.14	37.95	93.40	54.07


Director (Commercial)
MVVNL


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


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited						
Net Prior Period Expenses / Income						Form No: F14
Sl.No.	Particulars	FY 2013-14 Audited	FY 2013-14 True-Up	FY 2014-15 Provisional Accounts	FY 2015-16 Revised Estimates	FY 2016-17 ARR
A	Income relating to previous years:					
1	Interest income for prior periods					
2	Income Tax prior period					
3	Excess Provision for Depreciation					
4	Excess Provision for Interest and Fin. Charges					
5	Receipts from consumers	-4.69	-4.69	-6.47		
6	Other Excess Provision			-78.24		
7	Others					
	Sub-Total A	-4.69	-4.69	-84.71	0.00	0.00
B	Expenditure relating to previous years					
1	Power Purchase					
2	Operating Expenses	0.22	0.22	-8.66		
3	Excise Duty on generation					
4	Employee Cost	-28.32	-28.32	15.13		
5	Depreciation		-			
6	Interest and Finance Charges		-			
7	Admn. Expenses	0.23	0.23	0.01		
8	Withdrawal of Revenue Demand					
9	Material Related					
10	Others					
	Sub-Total B	-27.87	-27.87	6.49	0.00	0.00
	Net prior period Credit/(Charges) : A-B	-23.18	-23.18	91.20	0.00	0.00


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal 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)	865.33	272.67	1,138.00	253.27	1,391.27	225.81	1,617.08
2	Consumer Contribution towards Metering Systems							
3	Others							
	Sub-Total	865.33	272.67	1,138.00	253.27	1,391.27	225.81	1,617.08
4	Subsidies Towards Cost Of Capital Asset							
5	Grant Towards Cost Of Capital Assets							
6	Others							
	Sub-Total							
	Total	865.33	272.67	1,138.00	253.27	1,391.27	225.81	1,617.08


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited					
Statement of Assets Not in Use					Form No: F17
	Financial Year*				
Sl. No.	Date of Acquisition/Installation	Historical Cost/Cost of Acquisition	Date of withdrawal operations	Accumulated Depreciation on date of withdrawal	Written down value on date of withdrawal
	NIL				
*Note:- Information to be provided for Previous Year, Current Year & Ensuing Year					


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited					
Current Assets & Liabilities				Form No: F19	
Sl.No	Particulars	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
A	Current Assets, Loans and Advances	<p>The Hon'ble Commission in the True up Order for FY 2008-09 to FY 2011-12 dated 01st October, 2014 and True order for FY 2012-13 dated 18th June 2015 had adopted a normative tariff approach towards capital structure. This entailed that regulatory balances towards equity, GFA, accumulated depreciation, loans, etc would be different from financial statements. Hence, Forms S2, S3 and F19 have become infrutuous as they would not match with financial statements. Considering the above, the Licensee seeks waival from filing the Form Nos S2, S3 and F19.</p>			
	Sundry Debtors				
	Inventories				
	Cash and Bank Balances				
	Loans and Advances				
	Other current assets				
B	Current Liabilities and Provisions				
	Sundry Creditors				
	Provisions				
	Other Current Liabilities				
C	NET CURRENT ASSETS (A - B)				


 Director (Commercial)
 MVVNL

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

Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Replacement of Meters					
Single Phase	152000	22.19	9.51		31.7
Three Phase	7800	3.15	1.35		4.5
LT TVM	800	0.32	0.14		0.45
11 kV TVM	300	0.13	0.06		0.19
33 kV TVM	100	0.05	0.02		0.08
11 kV Metering Cubicle	160	0.47	0.2		0.68
33 kV Metering Cubicle	40	0.16	0.07		0.23
11 kV C.T./ P.T Unit	200	0.34	0.15		0.49
33 kV C.T./ P.T Unit	80	0.11	0.05		0.15
11 kV C.T for 33 kV S/S	1000	0.5	0.21		0.71
11 kV P.T for 33 kV S/S	200	0.21	0.09		0.3
Double Metering	720	0.97	0.42		1.39
AERIAL BUNCHED CONDUCTORS	900	17.6	7.54		25.14
Construction of 11 kV Line	720	14.42	6.18		20.6
System Improvement of 11 kV Lines	2840	18.02	7.72		25.74
Construction of 11/0.4 kV Substations	1700	52.79	22.62		75.41
Capacity Enhancements of 11/0.4 kV Substations	2600	37.9	16.24		54.14
Replacement of 11kV Cable	96	9.51	4.07		13.58
Replacement of 11 kV Switchgears	700	12.13	5.2		17.33
Purchase of mobile transformer trolley -6.6./0.4 kV 400 KVA	120	4.99	2.14		7.13
Capacity Enhancements of 33/11 kV Substations	280	88.37	37.87		126.24
Construction of 33 kV Line	480	43.73	18.74		62.46
System Improvement of 33 kV Lines	680	26.92	11.54		38.45
Construction of 33/11 kV Substations	28	42.81	18.35		61.15
Replacement of damaged / obsolete 33 kV BCV	44	1.58	0.68		2.25
Replacement of Distribution Transformers	36	1.58	0.68		2.25
Rural Electrification	28	0.18	0.08		0.26
Replacement of old and damaged poles	21600	4.04	1.73		5.78
Earthing works	6300	4.54	1.95		6.49
Replacement of old and damaged conductors	1360	2.97	1.27		4.24
Plinth & Fencing Works	1040	1.34	0.57		1.91
D.C. Battery / Battery Charger / Relay	340	1	0.43		1.43
Replacement of old switchgears	300	1.58	0.68		2.25
Construction / Replacement of LT Line	200	2.76	1.18		3.94
Guarding of Lines	1000	0.53	0.23		0.75
Other Misc Works	100	0.18	0.08		0.26
Other Misc Works	8	0.16	0.07		0.23
Construction of 11kV Feeders in Rural Areas	-	131.31	56.27		187.58
RGVY Phase I - Consultancy	-	27.59	11.83		39.42
R-APDRP Part A	-	4.54	1.95		6.49
R-APDRP Part B	-	6.64	2.84		9.48
Tehsil Town (PMC)	-	0.62	0.26		0.88
Capital Works under Vyapar Vikas Nidhi	0	196.96	84.41		281.37
Energisation of PTW	23500	104.91	44.96		149.88
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme					0
33/11 kV Substations under Tehsil Scheme	20	61.46	26.34		87.79
RGVY Works		8.88	3.8		12.68
R-APDRP Non SCADA Works		77.81	33.35		111.15
R-APDRP SCADA Works		297.24	127.39		424.63
Deposit Works				337.35	337.35
Total		1338.14	573.49	337.35	2248.97


Director (Commercial)
MVNL

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


Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Replacement of Meters					
Single Phase	38000	5.72	2.45		8.18
Three Phase	1950	0.81	0.35		1.16
LT TVM	200	0.08	0.03		0.12
11 kV TVM	75	0.03	0.01		0.05
33 kV TVM	25	0.01	0.01		0.02
11 kV Metering Cubicle	40	0.12	0.05		0.17
33 kV Metering Cubicle	10	0.04	0.02		0.06
11 kV C.T. / P.T Unit	50	0.09	0.04		0.13
33 kV C.T. / P.T Unit	20	0.03	0.01		0.04
11 kV C.T for 33 kV S/S	250	0.13	0.06		0.18
11 kV P.T for 33 kV S/S	50	0.05	0.02		0.08
Double Metering	180	0.25	0.11		0.36
AERIAL BUNCHED CONDUCTORS	225	4.54	1.94		6.48
Construction of 11 kV Line	180	3.72	1.59		5.31
System Improvement of 11 kV Lines	710	4.65	1.99		6.64
Construction of 11/0.4 kV Substations	425	13.61	5.83		19.45
Capacity Enhancement of 11/0.4 kV Substations	650	9.77	4.19		13.96
Replacement of 11kV Cable	24	2.45	1.05		3.5
Replacement of 11 kV Switchgears	175	3.13	1.34		4.47
Purchase of mobile transformer trolley -6.6/0.4 kV 400 KVA	30	1.29	0.55		1.84
System Augmentation of Distribution Network	50	444.29	190.41		634.7
Capacity Enhancement of 33/11 kV Substations	70	22.79	9.77		32.56
Construction of 33 kV Line	120	11.28	4.83		16.11
System Improvement of 33 kV Lines	170	6.94	2.98		9.92
Construction of 33/11 kV Substations	7	11.04	4.73		15.77
Replacement of damaged / obsolete 33 kV BCV	11	0.41	0.17		0.58
Replacement of Distribution Transformers	9	0.41	0.17		0.58
Rural Electrification	7	0.05	0.02		0.07
Replacement of old and damaged poles	5400	1.04	0.45		1.49
Earthing works	1575	1.17	0.5		1.67
Replacement of old and damaged conductors	340	0.77	0.33		1.09
Plinth & Fencing Works	260	0.35	0.15		0.49
D.C. Battery / Battery Charger / Relay	85	0.26	0.11		0.37
Replacement of old switchgears	75	0.41	0.17		0.58
Construction / Replacement of LT Line	50	0.71	0.3		1.02
Guarding of Lines	250	0.14	0.06		0.19
Other Misc Works	25	0.05	0.02		0.07
Other Misc Works	2	0.04	0.02		0.06
Construction of 11kV Feeders in Rural Areas	-	67.74	29.03		96.76
RGVY Phase I - Consultancy	-	9.49	4.07		13.56
R-APDRP Part A	-	4.69	2.01		6.7
R-APDRP Part B	-	7.85	3.36		11.21
Tehsil Town (PMC)	-	2.01	0.86		2.87
Capital Works under Vyapar Vikas Nidhi		141.31	60.56		201.87
Energisation of PTW	11750	54.12	23.19		77.32
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme	515	63.61	27.26		90.88
33/11 kV Substations under Tehsil Scheme	66	201.43	86.33		287.76
RGVY Works		9.16	3.92		13.08
R-APDRP Non SCADA Works		93.68	40.15		133.83
R-APDRP SCADA Works		297.24	127.39		424.63
Deposit Works				350	267.4
Total		1505	645	350	2500


Director (Commercial)
MVNVL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited							
Capital Formation During FY 2014-15							Additional Form
Detail	Balance 31-Mar-14 (1)	Investments (2)	Cap interest (3)	Cap expenses (4)	To GFA (5)	Depreciation (6)	Balance 31-Mar-15 (7)
Gross Fixed Assets	4,145.2	31.6	515.3			7.84%	3,661.5
Depreciation							306.0
Work in Progress	1,487.5	1,504.5	2.3	-	31.6		2,962.8


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited							Additional Form
Capital Formation During FY 2016-17							
Detail	Balance 31-Mar-16	Invest-ments	Cap interest	Cap expenses	To GFA	Depreciation	Balance 31- Mar-17
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gross Fixed Assets	5812.45	2368.95				7.84%	8,181.4
Depreciation							371.4
Work in Progress	3,226.5	2,500.0	88.3	107.6	2,369.0		3,553.4


Director (Commercial)
MNVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited							Additional Form
Capital Formation During FY 2015-16							
Detail	Balance 31-Mar-15	Invest-ments	Cap interest	Cap expenses	To GFA	Depreciation	Balance 31- Mar-16
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gross Fixed Assets	3,661.5	2,151.0				7.84%	5,812.4
Depreciation	-						371.4
Work in Progress	2,962.8	2,249.0	138.6	27.0	2,151.0		3,226.5


Director (Commercial)
MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited			
Revenue Assessment, Sales & Through Rate : FY 2015-16			Form No: T3
Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	2,417.66	6,438.30	3.76
(a) Consumer getting supply as per "Rural Schedule"	416.96	2,724.91	1.53
(b) Supply at Single Point for Bulk Loads	3.93	0.16	238.31
(c) Other Metered Domestic Consumers	1,837.72	3,172.51	5.79
(d) Life Line Consumers	159.05	540.72	2.94
LMV-2: Non Domestic Light, Fan & Power	880.30	1,081.30	8.14
(a) Non-Domestic (Rural)	60.41	188.46	3.21
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c) Non-Domestic (Urban Metered)	819.89	892.84	9.18
LMV-3: Public Lamps	272.81	417.52	6.53
LMV-4: Institutions	308.31	396.89	7.77
(a) Public Institution	241.59	315.44	7.66
(b) Private Institution	66.72	81.45	8.19
LMV-5: Private Tube Wells	150.50	1,190.63	1.26
(a) Rural	78.48	1,057.64	0.74
(b) Urban	72.02	132.99	5.42
LMV 6: Small and Medium Power	652.33	868.96	7.51
LMV-7: Public Water Works	531.38	737.91	7.20
LMV-8: State Tubewells & Pumped Canals	447.96	798.46	5.61
LMV-9: Temporary Supply	44.05	35.09	12.55
LMV-10: Deptt. Empl. & Pensioners	33.61	140.50	2.39
HV-1: Non-Industrial Bulk Load	571.08	668.84	8.54
HV-2: Large & Heavy Power	1,369.22	1,889.21	7.25
HV-3: Railway Traction	104.50	132.49	7.89
HV-4: Lift Irrigation Works	111.21	154.20	7.21
Sub Total	7,894.91	14,950.31	5.28
Bulk & Extra State	24.85	59.20	4.20
Total	7,919.77	15,009.51	5.28


 Director (Commercial)
 MVVNL

Name of Distribution Licensee: Madhyanchal Vidyut Vitran Nigam Limited			
Revenue Assesment,Sales & Through Rate :FY 2016-17			Form No: T3
Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	2,947.29	7,744.59	3.81
(a) Consumer getting supply as per "Rural Schedule"	515.90	3,095.84	1.67
(b) Supply at Single Point for Bulk Loads	4.33	0.19	232.47
(c) Other Metered Domestic Consumers	2,205.65	3,859.55	5.71
(d) Life Line Consumers	221.42	789.01	2.81
LMV-2: Non Domestic Light, Fan & Power	1,022.28	1,269.97	8.05
(a)Non-Domestic(Rural)	85.17	265.67	3.21
(b)Private Advertisements/Sign Boards/Glow Signs/Flex	-	-	-
(c)Non-Domestic (Urban Metered)	937.11	1,004.30	9.33
LMV-3: Public Lamps	297.06	455.73	6.52
LMV-4: Insitutions	395.65	503.28	7.86
(a) Public Institution	291.98	407.70	7.16
(b) Private Institution	72.76	95.58	7.61
LMV-5: Private Tube Wells	158.37	1,249.54	1.27
(a) Rural	82.75	1,109.90	0.75
(b) Urban	75.62	139.64	5.42
LMV 6: Small and Medium Power	833.02	1,143.62	7.28
LMV-7: Public Water Works	588.23	818.61	7.19
LMV-8: State Tubewells & Pumped Canals	471.97	833.98	5.66
LMV-9: Temporary Supply	46.06	37.56	12.26
LMV-10: Deptt. Empl. & Pensioners	35.98	163.47	2.20
HV-1: Non-Industrial Bulk Load	658.15	771.02	8.54
HV-2: Large & Heavy Power	1,490.04	2,061.85	7.23
HV-3: Railway Traction	120.17	152.37	7.89
HV-4: Lift Irrigation Works	122.78	170.13	7.22
Sub Total	9,187.06	17,375.72	5.29
Bulk & Extra State	24.85	59.20	4.20
Total	9,211.92	17,434.92	5.28


Director (Commercial)
MVVNL

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

ANNEXURE - 2

AUDITED BALANCE SHEET FOR FY 2013-14

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



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

स्पीड पोस्ट/गोपनीय

पत्रांक : म.ले.इ. एण्ड आर.एस.ए./इ.एस-11/लेखा/म०वि०वि०नि०लि०/2013-14/322

दिनांक: 6-10-15

सेवा में,

प्रबन्ध निदेशक

मध्याह्न विद्युत वितरण निगम लिमिटेड,

लखनऊ।

म.प्र. (क्ति)

महोदय,

एलएसह कम्पनी अधिनियम, 1956 की धारा 619(4) के अधीन मध्याह्न विद्युत वितरण निगम लिमिटेड, लखनऊ के 31 मार्च 2014 को समाप्त होने वाले वर्ष के लेखों पर भारत के नियंत्रक-महालेखापरीक्षक की टीका-टिप्पणियों कम्पनी अधिनियम, 1956 की धारा 619(5) के निबन्धनों के अनुसरण में कम्पनी की वार्षिक सामान्य बैठक के समक्ष प्रस्तुत करने हेतु अग्रणीत की जा रही है। कृपया वार्षिक सामान्य बैठक के समक्ष इन टीका-टिप्पणियों के प्रस्तुत किये जाने की वास्तविक तिथि की सूचना दें।

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

कृपया पत्र की शकती भेजें।

संलग्नक: यथोपरि

भवदीया
विनीता मिश्रा

(विनीता मिश्रा)
महालेखाकार

DGM

क.स.स.

15/10/15

for m. pr. for m. pr. P. d. c.

**COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA
UNDER SECTION 619 (4) OF THE COMPANIES ACT, 1956 ON THE
ACCOUNTS OF MADHYANCHAL VIDYUT VITRAN NIGAM LIMITED FOR
THE YEAR ENDED 31 MARCH 2014**

The preparation of Financial Statement of Madhyanchal Vidyut Vitran Nigam Limited for the year ended 31 March 2014 in accordance with the financial reporting framework prescribed under the Companies Act, 1956 is the responsibility of the Management of the company. The statutory auditors appointed by the Comptroller and Auditor General of India under section 619(2) of the Companies Act, 1956 are responsible for expressing opinion on these financial statements under section 227 of the Companies Act, 1956 based on independent audit in accordance with the auditing and assurance standards prescribed by their professional body, the Institute of Chartered Accountants of India. This is stated to have been done by them vide their Audit Report dated 16 May 2015.

I, on the behalf of the Comptroller and Auditor General of India have conducted a supplementary audit under section 619 (3)(b) of the Companies Act, 1956 of the financial statement of Madhyanchal Vidyut Vitran Nigam Limited for the year ended 31 March 2014. This supplementary audit has been carried out independently without access to the working papers of the statutory auditors and is limited primarily to enquiries of the statutory auditors and the company personnel and a selective examination of some of the accounting records. Based on my supplementary audit, I would like to highlight the following significant matters under section 619(4) of the Companies Act, 1956 which have come to my attention and which in my view are necessary for enabling a better understanding of the financial statement and the related Audit Report:

A. Balance Sheet

Current Liabilities

Other Current Liabilities (Note 6)

1. Provident Fund Liabilities: ₹ 448.12 crore

The above includes the unpaid liability of General Provident Fund/CPF to the Provident Fund Trust towards contribution of employees on PF of ₹ 364.15 crore (including liabilities transferred under the transfer scheme of ₹ 230.62 crore) as on 1 April 2013. Non-provision for interest on unpaid amount to Trust for the year 2013-14 resulted in understatement of liability to PF Trust, Employees cost and Loss for the year by ₹ 32.04 crore each.

Despite the comment of the C&AG on the accounts for the year 2010-11 and 2012-13, no corrective action was taken by the Management.

2. Interest Accrued and due on borrowings: ₹ 100.35 crore

Above does not includes an amount of ₹ 19.77 crore being default in payment of interest on HUDCO loan for the year 2013-14 by the Company. Non-accountal of the same resulted in understatement of Loss and Other Current Liabilities each by ₹ 19.77 crore.

Non-Current Assets

Fixed Assets

3. Capital Works-in-Progress (Note 8): ₹ 1487.55 crore

The above includes an amount of ₹ 234.55 crore (EDC Shahjanpur, ₹ 108.82 crore, EDC Hardoi ₹ 125.73 crore) in respect of expenditure incurred on works of rural electrification under RGGVY. These works had already been completed but had not been capitalized/ transferred from CWIP to Fixed Assets.

This has resulted in overstatement of CWIP by ₹ 234.55 crore, understatement of accumulated loss/depreciation by ₹ 47.06 crore (including ₹ 11.14 crore for the year 2013-14) and understatement of assets by ₹ 187.49 crore.

Despite the comment of the C&AG on the accounts for the year 2012-13, no corrective action has been taken by the Management.

Current Assets

Cash and Cash Equivalents (Note 11)

4. Balances in Current Accounts: ₹ 548.11 crore

Above includes ₹ 2.86 crore being the amount of cheques received against sale of power and deposited in banks up to December 2013 pertaining to 15 units. Since, these could not be realised and become time barred, necessary provision should have been made in the accounts. Non-provision has resulted in overstatement of Cash and Bank balances and understatement of Sundry Debtors by ₹ 2.86 crore.

Despite the Comments of Controller and Auditor General of India on the account of the Company for the year 2008-09 to 2012-13, no corrective action has been taken by the Company.

5. Cash in hand: ₹ 68.38 crore

Above includes an amount of ₹ 2.99 crore of Temporary Imprest to staff (Faizabad Zone: ₹ 1.72 crore, Lucknow Zone: ₹ 0.63 crore, Bareilly Zone: ₹ 0.63 crore) which had not been adjusted since long. The Statutory Auditors in their Audit Report had qualified this issue but failed to quantify it. Non-adjustment of the same resulted in overstatement of Cash & Cash Equivalents and understatement of expenditure to the extent of ₹ 2.99 crore.

6. Other Current Assets (Note-13): ₹ 4731.99 crore

The above includes ₹ 2.15 crore being the amount paid to M/s WAPCOS Ltd directly under R-APDRP by UPPCL on behalf of the Company. This amount should have been charged under Capital Works-in-Progress. This has resulted into overstatement of Other Current Assets and understatement of Capital Works-in-Progress each by ₹ 2.15 crore.

B. Profit & Loss Account

Income

1. Revenue from Sale of Power (Note 14) ₹ 4658.75 crore

The above amount of sale could not be verified by Statutory Auditors in absence of billing ledgers and it was accounted for by the divisions on estimation basis (Commercial Statement-3 and 4 being part of the MIS) as reported by them. However, during supplementary audit the sales of two category of consumers (LMV-1 and LMV-2) of fifteen divisions amounting to ₹ 760.20 crore were test checked with the sales recorded in the billing ledgers. We noticed that sales accounted for in the accounts by the four divisions (EUDD-Aminabad, EUDD-Residency, EUDD-Thakurganj and EUDD-Vishvidyalaya) was ₹ 138.27 crore in place of ₹ 123.73 crore as per billing ledger leading to overstatement of sale by ₹ 14.54 crore. In case of eleven divisions (EUDD-Chawk, EUDD-Husainganj, EUDD-Rajbhawan, EUDD-Indira Nagar, EUDD-Gomti Nagar, EUDD-Aishbag, EUDD-Alambagh, EUDD-Kanpur Road, EUDD-Rajajipuram, EUDD-Munshipuliya and EUDD-Upton) the sale was accounted for ₹ 537.56 crore in place of ₹ 636.47 crore as per billing ledger leading to understatement of sale by ₹ 98.61 crore.

This established that sales of ₹ 4658.75 crore accounted for in the accounts was not in agreement with the books of account of the Company but accounted for on ad-hoc/estimation basis.

Expenditure

2. Finance Cost (Note-19): ₹ 994.05 crore

(i) Above includes an amount of ₹ 122.77 crore being interest on Bonds for the year 2013-14. As per Financial Restructuring Plan approved by Government of UP, loan taken by the UPPCL on behalf of MVVNL was converted into 9.68 per cent Non-Convertible Bond w.e.f 04.10.2014 and interest on the Bonds was recoverable from the Government of Uttar Pradesh.

However, the Company has not shown the amount as recoverable from Government of UP. This has resulted in overstatement of Loss for the year and understatement of other Current Assets each by ₹ 122.77 crore.

(ii) The above does not includes ₹ 0.96 crore on account of interest on security deposits from consumers for the year 2012-13 and 2013-14. Instead of account of interest on security deposited from consumers @ 9.50 per cent for the year 2012-13 and @ 8.50 per cent for the year 2013-14, as per the order of the RBI dated 28.03.2014, the interest on security deposited from consumers was accounted for @ 8.97 per cent and @ 8.27 per cent for the year 2012-13 and 2013-14 respectively. This has resulted into understatement of provision of interest and understatement of loss for the year each by ₹ 0.96 crore.

3. Depreciation and amortization Expense (Note 20): ₹ 129.82 crore

A reference is invited to note no. 4 of Schedule XIV of the Companies Act, 1956, which provides that "Where during any financial year, any addition has been made to any assets or where any assets has been sold, discarded, demolished or destroyed, the depreciation on such assets shall be calculated on pro-rata basis from the date of such addition, or, as the case may be, up to the date on which such assets has been sold, discarded, demolished or destroyed".

Further, another reference is invited to para 3(b) of the Significant Accounting Policies which states that depreciation is provided only on fixed assets in existence at the beginning of the year as per Electricity (Supply) Act, 2003.

The above accounting policy is in contravention to the Note no.4 of the Schedule XIV of the Companies Act, 1956 and non-charging of depreciation on addition to assets during the year 2013-14 resulted in understatement of depreciation and loss for the year by ₹ 31.22 crore. The assets are overstated to the same extent.

Despite the comments of Comptroller and Auditor General of India on the accounts for the year 2008 to 09 to 2012-13, no corrective action has been taken by the Company.

C. General

1. The Government of Uttar Pradesh vide order dated 16.09.2014 converted the equity into grant of ₹ 194.69 crore. Despite, the Accounts of the Company for the year 2013-14 have been approved by the BOD after the date of the order, this important event has not been disclosed in the accounts as per requirement of Accounting Standard-4.

2. The State Government vide order dated 17 December 2014 ordered that the interest liability due on UP Government loan as on 31 March 2014 of ₹ 188.70 crore has been converted in to Equity. The necessary adjustments were made out of State Budget by the

GoUP during the year 2014-15. This important event has not been disclosed in the accounts as per requirement of Accounting Standard-4.

Inter-Company Balances

3. Due to non-reconciliation of the inter Company difference/balances, receivable from other DISCOMs to the tune of ₹ 29.50 crore could not be taken into account by the Company.

Despite the comment of the Comptroller and Auditor General on the accounts for the year ended 31 March 2012 and 31 March 2013, no corrective action was taken.

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

Vinita Mishra
Accountant General

Place: Lucknow

Date: 6-10-15

MADHYANCHAL VIDYUT VITRAN NIGAM LIMITED

BALANCE SHEET
AND
PROFIT & LOSS ACCOUNT

FOR THE PERIOD
01.04.2013 TO 31.3.2014

CONTENTS

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

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.

4 A, GOKHLEY MARG, LUCKNOW

BALANCE SHEET AS AT 31.03.2014

(Amount in Rs.)

PARTICULAR	NOTE	As at 31.03.14	As at 31.03.13
A EQUITY AND LIABILITIES			
1 <u>Shareholders funds :</u>			
Share Capital	(1)	27804437000	23061564000
Reserve & Surplus	(2)	-108536890977	-77295752765
Money received under share warrants		-	-
2 <u>Share application money pending for allotment</u>	(3)	17127961119	6961862921
3 <u>Non-current liabilities</u>			
Long-term borrowings	(4)	99358530799	62186889455
Deferred Tax Liabilities		-	-
Other Long term Liabilities		-	-
Other Long term Provisions		-	-
4 <u>Current liabilities</u>			
Short Term Borrowings		-	-
Trade payables	(5)	39857525211	39132712945
Other current liabilities	(6)	61427697728	102144154144
Short Term Provisions		-	-
Total		137039260880	156191430700
B ASSETS			
1 <u>Non-current assets</u>			
<u>Fixed Assets</u>	(7)		
Tangible Assets		28666118353	23336814271
Intangible Assets		-	-
Capital Work in Progress	(8)	14875484345	12012251831
Intangible Assets Under development		-	-
Non Current Investments		-	-
Deferred Tax Assets		-	-
Long-term Loans & Advances		43541602698	35349086102
2 <u>Current Assets</u>			
Current Investments		-	-
Stores & Spares	(9)	1061417766	1887720305
Trade receivables	(10)	31569982126	37520806506
Cash and Cash Equivalents	(11)	13527684723	6915425859
Short-term loans and advances	(12)	18674909	7635536
Other Current Assets	(13)	47319898658	93497658182
TOTAL		137039260880	156191430700
Significant Accounting policies	(23)		
Notes on Accounts	(24)		
Note 1 to 24 form integral part of Accounts			

(Abha Sethi Tandon)
Company Secretary
Part Time

(PRADEEP KUMAR JAHHARI)
Chief General Manager (F&A)
M.V.V.N.L., Lucknow

(A. K. AGRAWAL)
DIRECTOR (FINANCE)
M. V. V. N. L.
PIN-06593777

(SHAMIM AHMAD)
Managing Director
Madhyanchal Vidyut Vitran Nigam Ltd.
4 'A' Gokhale Marg, Lucknow
PIN-07194631



As per our separate report on the
For D. Pruthi & Co.
(Chartered Accountants)

KUSUMWAL

06 MAY 2015

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

PROFIT AND LOSS ACCOUNT FOR THE PERIOD FROM 01.04.13 TO 31.03.14

(Amount in Rs.)			
PARTICULAR	NOTE	FOR THE PERIOD FROM 01.04.13 TO 31.03.14	FOR THE PERIOD FROM 01.04.12 TO 31.03.13
INCOME			
Revenue from sale of power (Gross)	(14)	46587467983	36918393907
Less Electricity Duty		2844962037	43742505946
Energy internally Consumed		1214901549	1678494228
Other Income			35239899679
Other Income	(15)	10531044231	1365718593
TOTAL		55488451726	44359824567
EXPENDITURE			
Cost of Materials Consumed			
Purchase of Power	(16)	69919831455	49746972792
Changes in Inventories of finished Goods			
WIP & Stock in Trade			
Employees Cost	(17)	3784065035	4360562278
Operation & Other Expenses	(18)	3718604610	3222634462
Finance Cost	(19)	9940509375	6743343383
Depreciation and amortization Expense	(20)	1298170826	1134292181
Provisions	(21)	-313201283	506496038
TOTAL EXPENSES		88347980018	65715301134
Net Profit/(Loss) For the Year		-32859528292	-21355476567
Net prior period			
Income/(Expenditure)	(22)	-231816674	-1025471430
Net Profit/(Loss)		-32627711618	-20330005137
Accumulated loss brought forward		-84703774133	-64373768996
Net Profit/(Loss) Carried Over to Reserve & Surplus Note-2		-117331485751	-84703774133
Earning Per Share -			
Basic		-3581	-2944
Diluted		-13735	-4797
Significant Accounting policies	(23)		
Notes on Accounts	(24)		
Note 1 to 24 form integral part of Accounts			

(Abha Sethi Tandon)
Company Secretary
Part Time

(PRADEEP KUMAR JAUMARI)
Chief General Manager (F&A)
M.V.V.N.L., Lucknow

(A. K. AGRAWAL)
DIRECTOR (FINANCE)
M. V. V. N. L.
PIN- 06593777

(SHAMIM AHMAD)
Managing Director
Madhyanchal Vidyut Vitran Nigam Ltd.
4 'A' Gokhle Marg, Lucknow
PIN- 07194831

As per our separate report of even date

For D. Pathak & Co.
(Chartered Accountants)



16 MAY 2015

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

NOTE-1

SHARE CAPITAL

		(Amount in Rs.)	
PARTICULARS		As at 31.03.14	As at 31.03.13
A. <u>AUTHORISED</u>		4000000000	4000000000
40000000 (Previous Year 40000000) Equity Shares of Rs.1000/-each			
B. <u>ISSUED SUBSCRIBED AND PAID UP</u>			
(i) 27803937 (23061064) Equity Share of Rs.1000/- each fully paid up allotted to UPPCL		27803937000	23061064000
(ii) Promoters' Shares (500 Equity Share of Rs. 1000/- each)		500000	500000
TOTAL		27804437000	23061564000

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

NOTE-2

RESERVES AND SURPLUS

PARTICULARS	(Amount in Rs.)	
	As at 31.03.14	As at 31.03.13
A. Capital Reserve		
Consumers Contributions towards Service Line and other charges		
As per last Balance Sheet	7733141752	6887208822
Add: Received during the year	1842003648	1438001360
	9575145400	8325210182
Less: Transfer to P/L Account	390400065	592068430
	9184745335	7733141752
Subsidies towards Cost of Capital assets		
As per last Balance Sheet	824053198	860777648
Add: Received during the year	0	87040000
	824053198	947817648
Less: Transfer to P/L Account	56795458	123764450
	767257740	824053198
B. Grants		
APDRP Grant		
As per last Balance Sheet	96098210	115241798
Add: Received during the year	0	0
	96098210	115241798
Less: Transfer to P/L Account	8234719	19143588
	87863491	96098210
D. Restructuring reserve a/c / Material Cost variance		
As per last Balance Sheet	-1245271792	0
Add: Received during the year	0	-1245271792
	-1245271792	-1245271792
C. Surplus in the statement of P/L Account		
As per last Balance Sheet	-84703774133	-64373768996
Add: Profit/ (Loss) for the year	-32627711618	-20330005137
	-117331485751	-84703774133
GRAND TOTAL	-108536890977	-77295752765

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

NOTE-3

SHARE APPLICATION MONEY

(Amount in Rs.)		
PARTICULARS	As at 31.03.14	As at 31.03.13
SHARE APPLICATION MONEY (Pending for allotment to UPPCL)	17127961119	6961862921
Total	17127961119	6961862921

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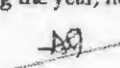
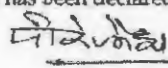
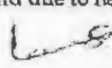
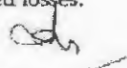
MADHYANCHAL VIDYUT VITRAN NIGAM LTD.

4 A, GOKHLEY MARG, LUCKNOW

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

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

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



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

Reconciliation of the number of shares and amount outstanding at the beginning and at the end of the 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, 2014							
- Number of shares	23061564	4742873					27804437
- Amount (Rs.)	23061564000	4742873000					27804437000
Year ended 31 March, 2013							
- Number of shares	14133117	8928447					23061564
- Amount (Rs.)	14133117000	8928447000					23061564000

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

Note - 4

LONG TERM BORROWINGS

(Amount in Rs.)

PARTICULARS	Non- Current		Current Maturities	
	As at 31.03.2014	As at 31.03.2013	As at 31.03.2014	As at 31.03.2013
A. SECURED LOAN:-				
(i) Power Finance Corporation Ltd. (APDRP) (Secured against hypothecation of New Created Assets)	259883380	324711840	64828459	48621344
(ii) Power Finance Corporation Ltd. (R - APDRP) (Secured against hypothecation of New Created Assets)	3036667595	3036667595	0	0
(iii) Rural Electrification Corporation Ltd. (APDRP) (Secured against hypothecation of New Created Assets)	311821300	369829700	58008400	58008400
(iv) Rural Electrification Corporation Ltd. (R - APDRP) (Secured against hypothecation of New Created Assets)	462670469	0		
(v) Rural Electrification Corporation Ltd. (Capital) (Secured against hypothecation of New Created Assets)	226797875	227714296	0	0
(vi) Rural Electrification Corporation Ltd. (STL) (Secured against hypothecation of stores and charge on receivables of specified receipt account through escrow arrangements)	166666767	2053030392	166666767	2469696958
LOAN BY UPPCL on behalf of MVVNL				
(vii) Punjab National Bank (Receivables)	7027122061	5793728306	0	0
(viii) Vijaya Bank (Receivables)	1682050497	1537377592	0	0
(ix) Bank Of India (Receivables)	1366213146	1186350844	0	0
(x) Oriental Bank Of Commerce (Receivables)	3439453075	2938345233	0	0
(xi) UCO Bank (Receivables)	2741086697	2339061262	0	0
(xii) Bank Of Maharashtra (Receivables)	840487390	720213948	0	0
(xiii) Bank Of Baroda (Receivables)	1144209618	941519159	0	0
(xiv) Punjab & Sind Bank (Receivables)	1748458603	1440242888	0	0
(xv) Corporation Bank (Receivables)	2065920249	1758895531	0	0
(xvi) South Indian Bank (Receivables)	353439547	300145716	0	0
(xvii) Karur Vyas Bank (Receivables)	69873399	54260865	0	0
(xviii) Federal Bank (Receivables)	174244348	146885641	0	0
(xix) Syndicate Bank (Receivables)	610867037	522149782	0	0
(xx) Central Bank Of India (Receivables)	5930694195	5077123290	0	0
(xxi) State Bank Of India (Receivables)	2141195287	1846356947	0	0
(xxii) Union Bank Of India (Receivables)	4113725881	3426231991	0	0
(xxiii) Allahabad Bank (Receivables)	2553344564	4393856494	0	0
(xxiv) Dena Bank (Receivables)	1248368717	1065166864	0	0
(xxv) Indian Overseas Bank (Receivables)	1647079914	1357235387	0	0
(xxvi) Canara Bank (Receivables)	5171791222	4405959172	0	0
Total	50532134833	47263060735	289503626	2575326702

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(Amount in Rs.)

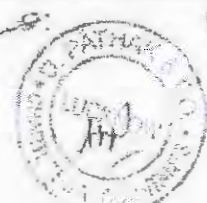
B. UNSECURED LOANS -

(a) Transfer Scheme

(b) LOAN BY UPPCL on behalf of MVVNL

	Total	2282197130	16569876857	869915567	876505761
GRAND TOTAL		100630326169	65763199533	1271795370	3576310078
Less:- Current Maturities of Long Term Borrowings		1271795370	3576310078		
Non Current Long Term Maturities		99358530799	62186889455		

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

NOTE-5

TRADE PAYABLES

(Amount in Rs.)

PARTICULARS	As at 31.03.14	As at 31.03.13
Uttar Pradesh Power Corporation Ltd.		
Liability for Power Purchase	34209539078	34098104966
Uttar Pradesh Power Transmission Corporation Ltd.		
Liability for Transmission Charges	5647986133	5034607979
GRAND TOTAL	39857525211	39132712945

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

NOTE-6

OTHER CURRENT LIABILITIES

(Amount in Rs.)		
PARTICULARS	As at 31.03.14	As at 31.03.13
Current Maturities of Long Term Borrowings	1271795370	3576310078
Interest Accrued and due on borrowings	1003467839	654527693
Liability for Capital Supplies/ Works	6686046952	5028787217
Liability for O & M Supplies / Works	1073544421	868640028
Staff Related Liabilities	2731222430	2188923978
Deposits & Retentions from Suppliers & Others	1067512459	724450906
Electricity Duty & Other Levies payable to Govt.	3172506189	1942612208
Deposit for Electrification works	386509956	359656406
Sundry Liabilities	7649689184	7219335954
Payable to UPPCL	25765972440	70484923145
Liabilities for Expenses	66212777	64956961
Provident Fund Liabilities	4481164458	4060998869
Pension and Gratuity Liability	1084875535	5566039993
Interest accrued but not due on Borrowings	1967884038	1204366470
Security Deposits from Consumers	2909024246	5285365339
Interest on Security Deposits from Consumers	109626970	83249372
<u>Provisions:</u>		
VI pay commission revision	98453	2549492683
Audit Exp.	444011	89857503
Total	61427697728	102144154144








NOTE - 7

Fixed Assets

(Amount in Rs.)

Particulars	Gross Block				Depreciation				Net Block	
	As at 31.03.13	Additions	Deductions / Adjustments	As at 31.03.14	As at 31.03.13	Additions	Deductions / Adjustments	As at 31.03.14	As at 31.03.14	As at 31.03.13
Land & Land Rights	311476	0	0	311476	0	0	0	0	311476	311476
Buildings	337699246	123967636	0	461666882	28044524	11275815	0	39320339	422246543	309554722
Plant & Machinery	5381805160	6029112330	4319437578	7991479912	(2720618250)	963813112	1493857881	(3250460999)	11241940911	8102421410
Lines, Cable Network etc.	13772114968	2947445068	234745778	16484814258	2069042708	706487344	130772420	2644767632	13840056628	11703072256
Vehicles	41617394	3330	0	41620724	14648176	3853552	0	18601828	23018896	26969218
Furniture & Fixtures	48658664	8982150	0	57620814	10323585	3080093	0	13403878	44217138	38335079
Office Equipments	400931343	3167709	0	404099552	93432463	64991052	0	158423515	245676037	307499380
Sub Total	19983038748	10012658223	4554183354	25441513618	(505124794)	1753601068	1624430281	(375954007)	25817467625	20488163643
balances received from GOUP	16010300000	0	0	16010300000	13161649272	0	0	13161649272	2848650728	2848650728
Total	35993338748	10012658223	4554183354	41451813618	12656524478	1753601068	1624430281	12785685265	28666118353	23335814271
Previous Year	36,219,230,102	3,161,031,665	3,386,923,019	35,993,338,749	12,784,667,843	1,069,269,186	1,197,412,551	12,656,524,478	23,336,814,271	23,434,562,259

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S. J. J. J.

L. J. J. J.

S. J. J. J.



MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 8

CAPITAL WORKS IN PROGRESS

(Amount in Rs.)

PARTICULARS	As at 31.3.2014	As at 31.3.2013
Capital Work in Progress *	4084772739	2581197154
Revenue Expenses pending for Capitalisation **	103790767	101048890
SUB TOTAL (A)	4188563506	2682246044
Advances to Suppliers/Contractors	10686920839	9330005787
GRAND TOTAL	14875484345	12012251831

Notes :

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

** It includes Borrowing Cost only related to works.

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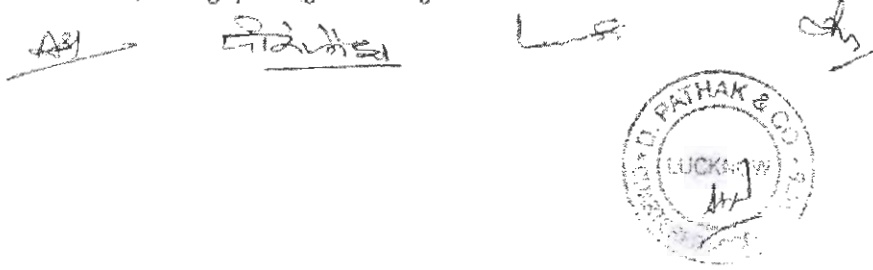
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4 A, GOKHLEY MARG, LUCKNOW

NOTE-9

INVENTORIES

(Amount in Rs.)		
PARTICULARS	As at 31.03.14	As at 31.03.13
Stores and Spares	1473569786	2299872325
Less: Provision for unserviceable store	412152020	412152020
TOTAL	1061417766	1887720305

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



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

NOTE-10

TRADE RECEIVABLE

(Amount in Rs.)

PARTICULARS	As at 31.03.14	As at 31.03.13
<u>Sundry Debtors</u>		
<u>Debt outstanding for a period not more than six months</u>		
Secured & Considered Good	3018651216	2639350186
Unsecured & considered good	28551330910	34881456320
Considered doubtful	9967609585	41537591711
		10280810868
47801617374		
Less - Provision for Bad & Doubtful Debts	9967609585	10280810868
NET DEBTORS	31569982126	37520806506








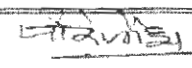
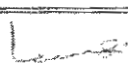
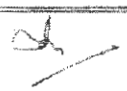

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
4 A, GOKHLEY MARG, LUCKNOW


Note-11

CASH AND CASH EQUIVELENT

(Amount in Rs.)

PARTICULARS	Non-Current		Current Maturities	
	As at 31.03.14	As at 31.03.13	As at 31.03.14	As at 31.03.13
Balances in Current Accounts	0	0	5481061381	4978225498
Balance in Fixed Deposit	0	0	7362798311	693741698
Cash in hand	0	0	683825031	1243458663
TOTAL	0	0	13527684723	6915425859




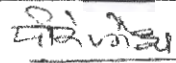


MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
4 A, GOKHLEY MARG, LUCKNOW


NOTE-12

SHORT TERM LOANS AND ADVANCES

(Amount in Rs.)

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



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

NOTE-13

OTHER CURRENT ASSETS

		(Amount in Rs.)	
PARTICULARS	As at 31.03.14	As at 31.03.13	
Income accrued on deposit	26807344	22106673	
Non current bank balance note-11	0	0	
<u>Receivables</u>			
Uttar Pradesh Power Corpoartion Ltd.	29791418092	59106527258	
<u>Receivables from staff</u>			
Employees	772607799	684363707	
Misc. Receivable	4090556589	3515012220	
Theft of fixed Assets pending investigation	19294941	19294941	
Less Provision for Estimated Loss	19294941	0	19294941
<u>Inter Unit Transfer</u>			
IUT	12633258907	11177640786	
Prepaid Expenses	5249927	5125748	
TOTAL	47319898658	74510776392	

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 14

REVENUE FROM OPERATIONS

		(Amount in Rs.)	
PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013	
Extra State Consumers	317180628	322015331	
<u>Large Supply Consumers</u>			
Industrial	12089691685	8960757860	
Traction	364052474	260729650	
Irrigation	499529223	445439167	
Public Water Works	2171052351	1654369733	
<u>Small & Others Consumers</u>		11321296410	
Domestic	12211711577	10487994663	
Commercial	5722524631	4876947360	
Industrial Low & Medium Voltage	2877666181	2521789731	
Public Institution	1969454705	1621062177	
Public Lighting	1968975125	1625132009	
STW & Pump Canals	2840346297	2665678385	
PTW & Sewage Pumping	848588793	788353694	
Miscellaneous Charges from consumers	1076626577	24586958019	
<u>Less - Energy internally Consumed</u>	-1214901549	328491864	
Sub Total	43742505946	35193043031	
Add Electricity Duty	2844962037	1725350876	
TOTAL	46587467983	36918393907	

Note - 15

OTHER INCOME

		(Amount in Rs.)	
PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013	
<u>Subsidies</u>			
(a) Revenue Loss & Tariff Subsidy from Govt. of U.P.	8178600000	5972800000	
Sub Total	8178600000	5972800000	
(b) <u>Interest income :</u>			
Loans to Staff	65479	34446	
Fixed Deposits	276633804	140327230	
Other	6718398	3398528	
(c) <u>other non operating income -</u>			
Delayed Payment Charges	2028017673	1605081877	
Income from Contractors/Suppliers	28760425	14922413	
Rental from Staff	479667	496264	
Miscellaneous Receipts	9680503	17096891	
Excess found on physical verification of Stores	88282	48646	
Sub Total	2352444231	1781406295	
TOTAL	10531044231	7754206295	

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 16

PURCHASE OF POWER

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
<u>Power Purchased from -</u>		
UPPCL	66930429226	47459453430
Transmission Charges UPPTCL	2989402229	2287519362
TOTAL	69919831455	49746972792

Note - 17

EMPLOYEES COST

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
Salaries & Allowances	1933199697	1898349806
Dearness Allowance	1455059702	1225714397
Other Allowances	157068732	166280456
Bonus/ Ex-gratia	36382863	54178463
Medical Expenses (Re-imbursement)	32257964	39682169
Leave Travel Assistance	22825	0
Earned Leave Encashment	708543598	1250007258
Compensation	1723423	1604236
Staff Welfare Expenses	9212462	27836176
Pension & Gratuity	530720989	427482162
Other Terminal Benefits	136436437	64098596
Sub Total	5000628692	5155233719
LESS - Expenses Capitalised	1216563657	794671441
TOTAL	3784065035	4360562278

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 18

OPERATION & OTHER EXPENSES

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
REPAIR AND MAINTENANCE		
Plant & Machinery	719272869	545462904
Buildings	134850140	86300466
Other Civil Works	4914436	1175451
Lines Cables net works etc.	1387713296	932806467
Vehicles - Expenditure	723714	2410873
Furniture & Fixtures	598740	7480
Office Equipments	1880857	2743983
OTHER EXPENSES		
Rent	2420755	2714942
Rates and Taxes	0	29411
Insurance	2028536	1901335
Communication Charges	26160682	27298735
Legal Charges	21411723	11800416
<u>Auditors Remuneration & Expenses</u>		
Audit Fee	2951172	3324449
Travelling Expenses	621849	438500
Consultancy Charges	2429430	14364200
Technical Fees & Professional charges	1543195	173655
Travelling and Conveyance	41094788	31678176
Printing and Stationery	22256480	17527712
Advertisement Expenses	23266604	17005983
Electricity Charges	1214901549	1365718593
Water Charges	1160082	3075932
Entertainment	75912	4292
Miscellaneous Expenses	255753663	278021457
SUB TOTAL	3868030472	3345985412
LESS - Expenses Capitalised	169413078	133734884
SUB TOTAL	3699617394	3212250528
OTHER EXPENSES		
Compensation (Other than staff)	16299646	9907986
Other Losses	2887570	1475948
TOTAL	3718604610	3223634462

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 19

FINANCE COST

(Amount in Rs.)

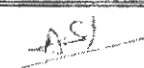
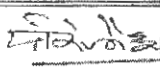
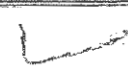
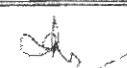
PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
Interest on Loans		
Government of UP	59745442	315915372
PFC	876777127	243800706
REC	1206663484	712047517
HUDCO	335486358	350328310
BANKS	5747864154	5129788354
Interest Bonds	8226536585	6751880259
Interest to Consumers	1227693555	0
Bank Charges	191538953	91409261
Interest to Power Sector Emp. Trust	680879	1102753
	397850070	0
SUB-TOTAL	10044300142	8844392273
LESS - Interest Capitalised	103790767	101048890
GRAND TOTAL	9940509375	6743343383


Note - 20

DEPRECIATION

(Amount in Rs.)

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



MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 21

PROVISIONS

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
PROVISIONS		
Doubtful debts (Sale of Power)	-313201283	506496038
TOTAL	-313201283	506496038

Note - 22

NET PRIOR PERIOD INCOME/EXPENDITURE

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2014	Year ended 31.03.2013
A INCOME		
a Revenue from Sale of Power	-46856648	0
b Other Income	0	13510787
subtotal	-46856648	13510787
B EXPENDITURE		
a O & M Expenses	2204163	-391989014
b Employee Cost	-283155370	325816767
c Interest & Finance Charges	0	-298865474
d Administrative & General Exp	2277885	153076541
e Depreciation Under/Excess Provided	0	-799999463
subtotal	-278673322	-1011960643
Net Amount	-231816674	-1025471430

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

Note-23

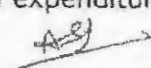
SIGNIFICANT ACCOUNTING POLICIES

1. GENERAL

- (a) The financial statements are prepared in accordance with the provisions of the Companies Act 1956. However where there is a deviation from the provisions of the companies Act 1956 in preparation of these accounts, the corresponding provisions of Electricity (Supply) Act, 2003 have been adopted.
- (b) The accounts are prepared under historical cost convention, on accrual basis unless stated otherwise and on accounting assumption of going concern.
- (c) Subsidy, Grants etc are accounted for on cash basis. Interest on loans to staff is accounted for on receipt basis after the recovery of principal in full.

2. FIXED ASSETS

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











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

3. DEPRECIATION

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

4. STORES & SPARES

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

5. REVENUE/EXPENDITURE RECOGNITION

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

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

6. POWER PURCHASE

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

7. RETIREMENT BENEFITS

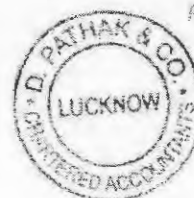
- (a) Liability for pension & Gratuity in respect of employees has been determined on the basis of actuarial valuation and has been accounted for on accrual basis.
- (b) Post retirement medical benefits are accounted for on the basis of claims received and approved during the year.

ASJ
(Abha Sethi Tandon)
Company Secretary
Part Time

[Signature]
(PRADEEP KUMAR JAUHARI)
Chief General Manager (F&A)
M.V.V.N.L., Lucknow

[Signature]
(A. K. AGRAWAL)
DIRECTOR (FINANCE)
M. V. V. N. L.
DIN-0659377

[Signature]
(SHAMIM AHMAD)
Managing Director
Madhyanchal Vidyut Vitran Nigam Ltd.
4 'A' Gokhle Marg, Lucknow
DIN-07194831



16 MAY 2015


MANDHYANCHAL VIDYUT VITRAN NIGAM LIMITED
4-A GOKHLEY MARG LUCKNOW

NOTE No. 24

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

1. The Nigam was incorporated under the Companies Act 1956 on 01.05.2003, and commenced the business operation w.e.f. 12.8.2003 in terms of Government of U.P. Notification No. 2740/P-1/2003-24-14P/2003 dated 12.8.2003.
2. The Nigam is a subsidiary of Uttar Pradesh Power Corporation Limited. The annual accounts for the year 2013-14 are based on the balances of assets and liabilities transferred as per Transfer Scheme, 2003 "Annexure A" (except Cash & Bank Balance which are taken at actual as on 12.08.03). The final Transfer Scheme is yet to be issued and the opening balances as on 12.08.2003 will be adjusted accordingly.
3. The Share Capital includes the shares allotted to the subscribers of the Memorandum of Association.
4. Amount received on account of Rajiv Gandhi Gramin Vidyutikaran Yojna (Rs. 778,20,27,229.00), Capital Work (Rs. 238,42,49,000.00), Vyapar Vikas Nidhi (Rs. 95,06,00,000.00), S V Yojna (Rs. 23,14,73,000.00), R-APDRP (Rs. 3,01,81,889.61), Tehsil (Rs. 2,14,81,079.00, Conversion of Govt Loan (Rs. 142,41,59,000.00), Operation Losses (Rs. 194,69,00,000.00) and Grant for PTW (Rs. 13,79,00,000.00) aggregating Rs. 1490,89,71,197.61 by Uttar Pradesh Power Corporation Limited from Government of Uttar Pradesh as Equity on behalf of Nigam have been shown as Share application money of Uttar Pradesh Power Corporation Limited in the Balance Sheet.
5. The liability for G.P.F, Pension and Gratuity during the year is discharged to Uttar Pradesh Power Sector Employees Trust by Uttar Pradesh Power Corporation Limited /Madhyanchal Vidyut Vitran Nigam Limited and where liability discharged by Uttar Pradesh Power Corporation Limited, is shown by Nigam as payable to Uttar Pradesh Power Corporation Limited.
6. Depreciation has been provided on Straight Line Method basis on the opening balances of fixed assets as on the beginning of the year. Further,

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

7. Receivables from Uttar Pradesh Power Corporation Limited includes Rs. 25,07,06,381.00 regarding difference in opening balance received as per GoUP and actual Cash & Bank balance (GoUP balance Rs. 90,19,00,000.00 - Actual balance Rs. 65,11,93,619.00 = Rs. 25,07,06,381.00).
8. The amount of Equity, Loans, Subsidies and Grants were received from the State Government by the Uttar Pradesh Power Corporation Limited centrally, being the Holding Company and have been distributed by the Holding Company to the DISCOMs, which have been accounted for accordingly.
9. Balances of Receivables from and Payable to Uttar Pradesh Power Corporation Limited are under reconciliation. However, Liabilities of Power Purchase, Investment of Uttar Pradesh Power Corporation Limited in DISCOM, Loans, Subsidies and Grants are duly reconciled.
10. (a) Age-wise classification of Sundry Debtors could not be given for want of age-wise details of receivables transferred under the transfer Scheme-2003.
(b) The provision for bad and doubtful debts against revenue from sale of Power has been made @ 5% on the incremental debtors during the year.
11. Based on actuarial valuation report submitted by M/s Price Waterhouse Coopers to Uttar Pradesh Power Corporation Limited (the Holding Company) provision for accrued liability on account of Pension and Gratuity for the year 2013-14 has been made @ 16.70% and 2.38% respectively on the amount of basic pay and DA paid to employees.

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12. Amount due to SSI units could not be ascertained and interest there on could not be provided for want of complete information. Efforts are being made to segregate this information.
13. Liability towards medical expenses and LTC has been provided to the extent established.
14. As per Clause IV of Schedule VI of Electricity (Supply) Act, 2003 the Nigam is required to transfer a minimum of 0.25% of gross value of fixed assets from its revenue to Contingency Reserve Account. Since the Nigam has losses this appropriation has not been made.
15. Employees cost includes remuneration to Managing Director as under.

Amount (Rs. in lacs)

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


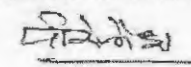


16. Payments to Directors and officers in foreign currency towards foreign tours were Nil.
17. Debts due from Directors were Nil.
18. Information pursuant to provision of Para II of schedule VI of the Company Act, 1956 are as under :-

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

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


(b) Contingent Liabilities: - NIL


19. Since the Company is principally engaged in the distribution business of electricity and there is no other reportable segment as per AS 17, hence the discloser as per AS 17 on segment reporting is not required.
20. The disclosure as required as per AS 18 issued by ICAI on related parties transactions is not applicable as the Accounting Standard provides that "no disclosure is required in the financial statement of state-controlled enterprises as regard related party relationship with other state-controlled enterprises and transactions with such enterprises".










21. During the year, supplementary bill for wheeling charges of Rs. 106,52,57,354.00 on the basis UPERC tariff order dated 01.10.2014 for allowing revision for FY 2008-09, 2009-10, 2010-11 & 2011-12 has been accounted for accordingly.
22. During the year, Supplementary bill for Rs. 996,36,11,844.00 for the FY 2012-13 and Supplementary bill for Rs.109,53,51,382.00 for the FY 2013-14 raised by UPPCL on which basis as power purchase have been taken into the account accordingly.
23. A sum of Rs. 39,78,50,070.34 as interest for the financial year 2003-04 to financial year 2012-13 on GPF liabilities payable to U P Power Sector Employees Trust has been taken into the account.
24. Due to losses during the year and uncertainty to recover such losses in near future, accounting of deferred tax assets as required by AS 22 issued by ICAI New Delhi has not been made.
25. Previous year figures have been regrouped and reclassified wherever considered necessary.
26. The figure shown in the Balance Sheet, Profit & Loss Account and Schedules have been rounded off to the nearest Rupee.


(Abha Selhi Tandon)
Company Secretary
Part Time


(PRADEEP KUMAR JAUHARI)
Chief General Manager (F&A)
M.V.V.N.L., Lucknow


(A. K. AGRAWAL)
DIRECTOR (FINANCE)
M. V. V. N. L.
DIN-06593777


(SHAMIM AHMAD)
Managing Director
Madhyanchal Vidyut Vitran Nigam Ltd.
4 'A' Gokhle Marg, Lucknow
DIN-07194831



For D. Pathak & Co.
(Chartered Accountant)

16 MAY 2015

Annexure A

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

SCHEDULE:- 'B' - PART II

[See Rule 3(1) (b)]

Aggregate Assets and Liabilities to be vested in the Lucknow Discom

BALANCE SHEET (RUPEES CRORES)

FINANCIAL YEAR ENDING MARCH 31st 2014

Fixed Assets

Gross Fixed Assets	1601.03	
Less : Accumulated depreciation	<u>638.15</u>	
Net Fixes Assets.		962.88
Cap. Expd. In progress		98.73
Investments		<u>0.00</u>
Total Fixed Assets		<u>1061.62</u>

Current Assets

Cash and Bank Balances		90.19
Total Stocks	273.91	
Less : Provision for obsolete stores	<u>25.09</u>	
Net Stock		248.81
Gross Receivable for Sale of Electricity	1053.54	
Provision for Bad & Doubtful debts	<u>841.75</u>	
Net Receivable for Sale of Power		211.79
Other Receivable		<u>9.20</u>
Total Current Assets		<u>559.99</u>
Total Assets		<u>1621.60</u>

Net worth

Paid up and Subscribed Share Capital	155.43	
Retaining Earning (Losses)/ Reserve	0.00	
Consumer's contributions	105.02	
Capital Reserves	0.00	
Grants- RE	44.66	
Grants- APDRP	<u>5.00</u>	
Total Net worth		310.11

Long Term Debts

GoUP Loans	5.00	
IDBI- Deferred Credits	14.40	
REC	256.58	
Commercial Banks (SPA)	0.00	
HDFC	0.00	
PFC	45.39	
NOIDA	0.00	
UPSIDC	1.57	
Urban Co-Operative Bank	0.00	
Others	40.52	
IBRD	0.00	
Working Capital Borrowings	0.00	
GPF Liability	<u>230.62</u>	
Total Long Term Loans		594.08

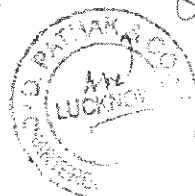
Current Liabilities

Accounts Payable	643.78	
Security Deposits From Consumers	73.63	
Accumulated Interest on Govt. Loans	0.00	
Accumulated Interest on Other IFI's	0.00	
Overdue Principal not Paid	0.00	
Total Current Liabilities		<u>717.41</u>
Total Liabilities		<u>1621.60</u>

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.

4-A, GOKHLEY MARG, LUCKNOW

CASH FLOW STATEMENT

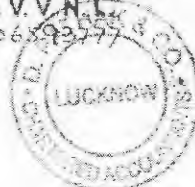
		Year 2013-14	Year 2012-13
A	Cash Flow from operating activities		
	Net Loss before prior period expenses	-32859528292.00	-21355476567.00
	Adjustment for:		
a	Depreciation	1298170826.00	1134292181.00
b	Provisions	-313201283.00	506496038.00
c	Interest expenses (Financing)	9940509375.00	6743343383.00
d	Interest income	-285417681.00	-143760204.00
e	Deferred Cost	0.00	0.00
f	Prior period adjustments (Net)	231816674.00	1025471430.00
	SUB TOTAL	10871877911.00	9265842828.00
	Operating profit before working capital changes	-21987650381.00	-12089633739.00
	Working Capital changes:		
a	Sundry Debtors	6284025663.00	-10129920761.00
b	Stores' Spares	826302539.00	-1413220623.00
c	Other Current Assets	28646495855.00	-1391765200.00
d	Loans & Advances	-11039373.00	-97725.00
e	Inter Unit Transfers	-1455618121.00	-827881756.00
f	Current Liabilities	-38036069588.00	-19998120996.00
	SUB TOTAL	-3765903025.00	-33761007061.00
	Net Cash from operating activities - A	-25753553406.00	-45850640800.00
B	Cash flow from investing activities		
a	Additions to fixed assets & WIP	-9490707422.00	-1700598051.00
b	Interest received	285417681.00	143760204.00
	Net Cash flow from investing activities - B	-9205289741.00	-1556837847.00
C	Cash flow from financing activities		
a	Proceeds from Share Capital	14908971198.00	2218989133.00
b	Proceeds from long term borrowings	35216066782.00	53527089466.00
c	Proceeds from consumers' contribution and GoUP Capital Subsidy	1386573406.00	-455206900.00
d	Reserve for material cost variance		
e	Interest paid on borrowings	-9940509375.00	-6743343383.00
	Net cash flow from financing activities - C	41571102011.00	48547528316.00
	Net increase in Cash and Cash equivalents (A+B+C)	6612258864.00	1140049669.00
	Cash and Cash equivalents at the beginning of the year	6915425859.00	5775376190.00
	Cash and Cash equivalents at the end of the year	13527684723.00	6915425859.00

(Abha Sethi Tandon)
Company Secretary
Part Time

(PRADEEP KUMAR JAHAARI)
Chief General Manager (F&A)
M.V.V.N.L., Lucknow

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

(SHAMIM AHMAD)
Managing Director
Madhyanchal Vidyut Vitran Nigam Ltd.
4 'A' Gokhale Marg, Lucknow
DIN-07194831



16 MAY 2015

For our separate report of over audit
For D. Padmak P. Co.
(Chartered Accountant)

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

ANNEXURE - 3

PROVISIONAL BALANCE SHEET FOR FY 2014-15

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.

PROVISIONAL

4 A, GOKHLEY MARG, LUCKNOW

BALANCE SHEET AS AT 31.03.2015

(Amount in Rs.)

PARTICULAR	NOTE	As at 31.03.15	As at 31.03.14
A EQUITY AND LIABILITIES			
1 Shareholders funds:			
Share Capital	(1)	27804437000	27804437000
Reserve & Surplus	(2)	-125755109180	-108536890977
Money received under share warrants		-	-
2 Share application money pending for allotment	(3)	36906241955	17127951119
3 Non-current liabilities			
Long-term borrowings	(4)	105604684357	99358530789
Deferred Tax Liabilities		-	-
Other Long term Liabilities		-	-
Other Long term Provisions		-	-
4 Current liabilities			
Short Term Borrowings		-	-
Trade payables	(5)	39932317623	39857525211
Other current liabilities	(6)	58257755960	61427697728
Short Term Provisions		-	-
Total		142750327725	137039260880
B ASSETS			
1 Non-current assets			
fixed Assets	(7)		
Tangible Assets		23627542274	28666118353
Intangible Assets		-	-
Capital Work in Progress	(8)	29627712279	14875484345
Intangible Assets Under development		-	-
Non Current Investments		-	-
Deferred Tax Assets		-	-
Long-term Loans & Advances		53255254553	43541602698
2 Current Assets			
Current Investments		-	-
Stores & Spares	(9)	3898415549	1061417766
Trade receivables	(10)	38780020074	31569982126
Cash and Cash Equivalents	(11)	12243023925	13527684723
Short-term loans and advances	(12)	23516402	18674909
Other Current Assets	(13)	34550097222	89495073172
TOTAL		142750327725	137039260880
Significant Accounting policies	(23)		
Notes on Accounts	(24)		
Note 1 to 24 form integral part of Accounts			

Kushal
(I. M. KAUSHAL)
GENERAL MANAGER (F & A)
M.V.V.N.L., LUCKNOW

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

Shamim
(SHAMIM AHMAD)
Managing Director
Madhyanchal Vidyut Vitran Nigam Ltd
4 'A' Gokhla Marg, Lucknow

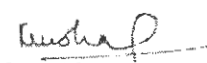
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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
4 A, GOKHLE MARG, LUCKNOW


PROFIT AND LOSS ACCOUNT FOR THE PERIOD FROM 01.04.14 TO 31.03.15

(Amount in Rs.)

PARTICULAR	NOTE	FOR THE PERIOD FROM 01.04.14 TO 31.03.15	FOR THE PERIOD FROM 01.04.13 TO 31.03.14
INCOME			
Revenue from sale of power (Gross)	(11)	50437200605	46587467983
Less Electricity Duty		3374210730	47062989875
Energy internally Consumed			2844962037
Other Income			43742505946
Other Income	(15)	14909744966	1214901549
TOTAL		63128076940	55488451726
EXPENDITURE			
Cost of Materials Consumed			
Purchase of Power	(16)	60708054800	69919831425
Employees Cost	(17)	3975444023	3784065095
Operation & Other Expenses	(18)	4076194643	3718604610
Finance Cost	(19)	11865610238	9940509875
Depreciation and amortization Expense	(20)	1556205219	1298170826
Provisions	(21)	379475682	-313201283
TOTAL EXPENSES		82160985207	88347980018
Net Profit/(Loss) For the Year		-19032906267	-32859528292
Net prior period			
Income/(Expenditure)	(22)	912045889	-231816674
Net Profit/(Loss)		-19944954156	-32627711618
Accumulated loss brought forward		-117331485751	-84703774133
Net Profit/(Loss) Carried Over to Reserve & Surplus Note-2		-137276439907	-117331485751
Earning Per Share -			
Basic		-2664	-3581
Diluted		-8015	-13735
Significant Accounting policies (23)			
Notes on Accounts (24)			
Note 1 to 24 form integral part of Accounts			


(I. M. KAUSHAL)
GENERAL MANAGER (F & A)
M. V. V. N. L., LUCKNOW


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

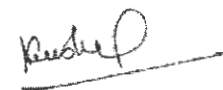

(SHAMIM AHMAD)
Managing Director
Madhyanchal Vidyut Vitran Nigam Ltd.
4 'A' Gokhale Marg, Lucknow

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

NOTE-1

SHARE CAPITAL

		(Amount in Rs.)	
PARTICULARS		As at 31.03.15	As at 31.03.14
A. <u>AUTHORISED</u>		40000000000	40000000000
40000000 (Previous Year 40000000) Equity Shares of Rs.1000/-each			
B. <u>ISSUED SUBSCRIBED AND PAID UP</u>			
(i) 27803937 (27803937) Equity Share of Rs.1000/- each fully paid up		27803937000	27803937000
alloted to UPPCL			
(ii) Promotors' Shares (500 Equity Share of Rs. 1000/- each)		500000	500000
TOTAL		27804437000	27804437000

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

NOTE-2

RESERVES AND SURPLUS

(Amount in Rs.)

PARTICULARS	As at 31.03.15	As at 31.03.14
A. Capital Reserve		
Consumers Contributions towards Service Line and other charges		
As per last Balance Sheet	9184745335	7733141752
Add: Received during the year	2350276304	1842003648
	11535021639	9575145400
Less: Transfer to P/L Account	390400065	390400065
	<u>11144621574</u>	<u>9184745335</u>
Subsidies towards Cost of Capital assets		
As per last Balance Sheet	767257740	824053198
Add: Received during the year	831889891	0
	1599147631	824053198
Less: Transfer to P/L Account	56795458	56795458
	<u>1542352173</u>	<u>767257740</u>
B. Grants		
APDRP Grant		
As per last Balance Sheet	87863491	96098210
Add: Received during the year	0	0
	87863491	96098210
Less: Transfer to P/L Account	8234719	8234719
	<u>79628772</u>	<u>87863491</u>
D. Restructuring reserve a/c / Material Cost variance		
As per last Balance Sheet	-1245271792	-1245271792
Add: Received during the year	0	0
	<u>-1245271792</u>	<u>-1245271792</u>
C. Surplus in the statement of P/L Account		
As per last Balance Sheet	-117331485751	-84703774133
Add: Profit/ (Loss) for the year	-19944954156	-32627711618
	<u>-137276439907</u>	<u>-117331485751</u>
GRAND TOTAL	<u>-125755109180</u>	<u>-108536890977</u>

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.

4 A, GOKHLEY MARG, LUCKNOW

NOTE-3

SHARE APPLICATION MONEY

(Amount in Rs.)		
PARTICULARS	As at 31.03.15	As at 31.03.14
SHARE APPLICATION MONEY (Pending for allotment to UPPCL)	36906241955	17127961119
Total	36906241955	17127961119

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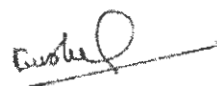
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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
4 A, GOKHLEY MARG, LUCKNOW

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

PARTICULARS	Equity Shares with voting rights Number of shares			
As at 31.03.15 UPPCL, the holding company	27803937			
As at 31.03.14 UPPCL, the holding company	27803937			
Details of shares held by each shareholder holding more than 5% shares:				
Class of shares/Name of shareholder	As at 31.03.15		As at 31.03.14	
	Number of shares held	% holding in that class of shares	Number of shares held	% holding in that class of shares
Equity shares with voting rights UPPCL	27803937	99.99	27803937	99.99

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

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

Reconciliation of the number of shares and amount outstanding at the beginning and at the end of the 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, 2015							
- Number of shares	27804437	0					27804437
- Amount (Rs.)	27804437000	0					27804437000
Year ended 31 March, 2014							
- Number of shares	23061564	4742873					27804437
- Amount (Rs.)	23061564000	4742873000					27804437000

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

Note - 4

LONG TERM BORROWINGS

(Amount in Rs.)

PARTICULARS	Non- Current		Current Maturities	
	As at 31.03.2015	As at 31.03.2014	As at 31.03.2015	As at 31.03.2014
A. SECURED LOAN:-				
(i) Power Finance Corporation Ltd. (APDRP) (Secured against hypothecation of New Created Assets)	195054916	259883380	54828464	54828459
(ii) Power Finance Corporation Ltd. (R - APDRP) (Secured against hypothecation of New Created Assets)	3552587595	3036667595	0	0
(iii) Rural Electrification Corporation Ltd. (APDRP) (Secured against hypothecation of New Created Assets)	253812900	311821300	58008400	58008400
(iv) Rural Electrification Corporation Ltd. (R-APDRP) (Secured against hypothecation of New Created Assets)	1424047647	462670489		
(iv) Rural Electrification Corporation Ltd. (Capital) (Secured against hypothecation of New Created Assets)	220660609	226797875	0	0
(v) Rural Electrification Corporation Ltd. (STL) (Secured against hypothecation of stores and charge on receivables of specified receipt account through escrow arrangements)	0	166668767	0	166668767
LOAN BY UPPCL on behalf of MVVNL				
(vi) Punjab National Bank (Receivables)	7066108407	7027122061	0	0
(vii) Vijaya Bank (Receivables)	1843109709	1682050497	0	0
(viii) Bank Of India (Receivables)	1517608271	1366213148	0	0
(ix) Oriental Bank Of Commerce (Receivables)	3746760510	3439453075	0	0
(x) UCO Bank (Receivables)	2926003587	2741088697	0	0
(xi) Bank Of Maharashtra (Receivables)	918219204	840467390	0	0
(xii) Bank Of Baroda (Receivables)	1268502417	1144209818	0	0
(xiii) Punjab & Sind Bank (Receivables)	2592793862	1746458803	0	0
(xiv) Corporation Bank (Receivables)	2254233595	2065920249	0	0
(xv) South Indian Bank (Receivables)	385541440	353439547	0	0
(xvi) Karur Vyas Bank (Receivables)	78652692	69873399	0	0
(xvii) Federal Bank (Receivables)	212066494	174244348	0	0
(xviii) Syndicate Bank (Receivables)	665258672	610867037	0	0
(xix) Central Bank Of India (Receivables)	6384855385	5930694195	0	0
(xx) State Bank Of India (Receivables)	2322345253	2141195287	0	0
(xxi) Union Bank Of India (Receivables)	4535331853	4113725881	0	0
(xxii) Allahabad Bank (Receivables)	2553344564	2553344564	0	0
(xxiii) Dena Bank (Receivables)	1360717013	1248368717	0	0
(xxiv) Indian Overseas Bank (Receivables)	1824814785	1647079914	0	0
(xxv) Canara Bank (Receivables)	5641408432	5171791222	0	0
Total	55661219812	50532134833	122836864	289503626





PARTICULARS	Non-Current		Current Maturities	
	As at 31.03.2015	As at 31.03.2014	As at 31.03.2015	As at 31.03.2014
9.68% Secured Non-Convertible Bonds through UPPCL				
(i) Punjab National Bank (Receivables)	2828194103	4236495557	0	0
(ii) Vijaya Bank (Receivables)	523481357	784139552	0	0
(iii) Oriental Bank Of Commerce (Receivables)	914650660	1721359514	0	0
(iv) UCO Bank (Receivables)	921811921	1380980720	0	0
(v) Bank Of Maharashtra (Receivables)	275985395	413412902	0	0
(vi) Bank Of Baroda (Receivables)	1170174243	1401614963	0	0
(vii) Punjab & Sind Bank (Receivables)	702215868	1051886577	0	0
(viii) Corporation Bank (Receivables)	290712927	641341786	0	0
(ix) South Indian Bank (Receivables)	118977390	178217018	0	0
(x) Karur Vyas Bank (Receivables)	32091325	48069931	0	0
(xi) Federal Bank (Receivables)	87748220	131430740	0	0
(xii) Syndicate Bank (Receivables)	203411103	304704736	0	0
(xiii) Central Bank Of India (Receivables)	2234590806	3347288049	0	0
(xiv) State Bank Of India (Receivables)	677213173	1014430732	0	0
(xv) Union Bank Of India (Receivables)	2241143184	3357135775	0	0
(xvi) Allahabad Bank (Receivables)	1452520426	2175791835	0	0
(xvii) Dena Bank (Receivables)	420118552	629315673	0	0
(xviii) Canara Bank (Receivables)	1756075622	2630492382	0	0
Total	16851216075	25448108442	0	0
B. UNSECURED LOANS:-				
(a) Transfer Scheme				
(i) Rural Electrification Corporation Ltd. (Guaranteed by Govt. of UP)	1708968780	1708968760	0	95442383
(ii) Power Finance Corporation Ltd. (Guaranteed by Govt. of UP)	26482874	26482874	0	16933794
(iii) U.P. State Industrial Development Corporation Ltd	3878747	3878747	0	0
(iv) Financial Participation by Consumers	21513583	21513583	0	0
(v) Other Loans	6942000	6942000	0	0
Total	1767885764	1767885764	0	112376177
(b) LOAN BY UPPCL on behalf of MVVNL				
(i) HUDCO (Guaranteed by Govt. of UP)	2881140090	2164730090	0	869915567
(ii) REC Transitional (Guaranteed by Govt. of UP)	14213610070	10063684920	0	0
(iii) PFC Transitional (Guaranteed by Govt. of UP)	13873474420	10174807120	0	0
(iv) NOIDA	478975000	478975000	0	0
Total	31447195580	22882197130	0	869915567
GRAND TOTAL	105727521231	100630328169	122836864	1271795370
Less:- Current Maturities of Long Term Borrowings	122836864	1271795370		
Non Current Long Term Maturities	105604684367	99358530799		

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

NOTE-5

TRADE PAYABLES

(Amount in Rs.)		
PARTICULARS	As at 31.03.15	As at 31.03.14
Uttar Pradesh Power Corporation Ltd.		
Liability for Power Purchase	30700661273	34209539078
Uttar Pradesh Power Transmission Corporation Ltd.		
Liability for Transmission Charges	9231656350	5647986133
GRAND TOTAL	39932317623	39857525211



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

NOTE-6

OTHER CURRENT LIABILITIES

(Amount in Rs.)		
PARTICULARS	As at 31.03.15	As at 31.03.14
Current Maturities of Long Term Borrowings	122636864	1271795370
Interest Accrued and due on borrowings	1307993421	1003467839
Liability for Capital Supplies/ Works	7833790961	6686046952
Liability for O & M Supplies / Works	1188773713	1073544421
Staff Related Liabilities	2432456261	2731222430
Deposits & Retentions from Suppliers & Others	2612000685	1067512459
Electricity Duty & Other Levies payable to Govt.	4651344097	3172606189
Deposit for Electrification works	994524559	386509956
Sundry Liabilities	8420271307	7649689184
Payable to UPPCL	18038080161	25765972440
Liabilities for Expenses	21610924	68212777
Provident Fund Liabilities	4705287078	4481164458
Pension and Gratuity Liability	788245863	5493532941
Interest accrued but not due on Borrowings	1545362475	1967884038
Security Deposits from Consumers	3469434724	2909024246
Interest on Security Deposits from Consumers	125251241	3594685965
Provisions :		
VI pay commission revision	98453	98453
Audit Exp.	393173	444011
Total	58257755960	61427697728

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NOTE - 7

Fixed Assets

Particulars	Gross Block				Depreciation				Net Block	
	As at 31.03.14	Additions	Deductions / Adjustments	As at 31.03.15	As at 31.03.14	Additions	Deductions / Adjustments	As at 31.03.15	As at 31.03.15	As at 31.03.14
Land & Land Rights	311476	0	0	311476	0	0	0	0	311476	311476
Buildings	461566882	0	0	461566882	39320339	15416334	0	54736673	406830209	422246543
Plant & Machinery	7991479912	312196654	4955438280	3338238286	(3250460999)	1087772663	1691593779	(3854282115)	7192520401	11241940911
Lines, Cable Network etc.	16484814253	1856307	186310202	16300370353	2644757832	835340560	118614338	3361483854	12938886509	13940056626
Vehicles	41620724	0	1425100	40195624	18601828	3959869	0	22555797	17639827	23018896
Furniture & Fixtures	57620814	1358206	0	58977020	13403678	3647398	0	17051076	41925944	44217136
Office Equipments	404099552	605680	0	404705232	158423515	65504537	0	223928052	180777180	245676037
Sub Total	25441513618	316024847	5153173582	20604364883	(375954007)	2011635461	1810208117	(174526863)	20778891546	25817467625
balances received from GOUP	16010300000	0	0	16010300000	13161649272	0	0	13161649272	2848650728	2848650728
Total	41451813618	316024847	5153173582	36614664883	12785695265	2011635461	1810208117	12987122609	23627542274	28665118353
Previous Year	35993338749	10012658223	4554183354	41451813618	12556924478	1753601068	1624430281	12785695265	26666118353	23336814271

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 8

CAPITAL WORKS IN PROGRESS

PARTICULARS	(Amount in Rs.)	
	As at 31.3.2015	As at 31.3.2014
Capital Work in Progress *	15795574392	4084772739
Revenue Expenses pending for Capitalisation **	103790767	103790767
SUB TOTAL (A)	15899365159	4188563506
Advances to Suppliers/Contractors	13728347120	10686920839
GRAND TOTAL	29627712279	14875484345

Notes :

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

** It includes Borrowing Cost only related to works.



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

NOTE-9

INVENTORIES

(Amount in Rs.)		
PARTICULARS	As at 31.03.15	As at 31.03.14
Stores and Spares	4310567569	1473569786
Less: Provision for unserviceable store	412152020	412152020
TOTAL	3898415549	1061417766

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

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

NOTE-10

TRADE RECEIVABLE

(Amount in Rs.)		
PARTICULARS	As at 31.03.15	As at 31.03.14
<u>Sundry Debtors</u>		
<u>Debt outstanding for a period not more than six months</u>		
Secured & Considered Good	3594685965	3018651216
Unsecured & considered good	35185334109	28551330910
Considered doubtful	10347085267	49127105341
		9967609585
		41537591711
Less - Provision for Bad & Doubtful Debts	10347085267	9967609585
NET DEBTORS	38780020074	31569982126

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

Note-11

CASH AND CASH EQUIVELENT

(Amount in Rs.)

PARTICULARS	Non-Current		Current Maturities	
	As at 31.03.15	As at 31.03.14	As at 31.03.15	As at 31.03.14
Balances in Current Accounts	0	0	7762342308	5481061381
Balance in Fixed Deposit	0	0	3629881595	7362798311
Cash in hand	0	0	850800022	683825031
TOTAL	0	0	12243023925	13527684723




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

NOTE-12

SHORT TERM LOANS AND ADVANCES

(Amount in Rs.)		
PARTICULARS	As at 31.03.15	As at 31.03.14
ADVANCES (Unsecured)		
Suppliers / Contractors	-	4317874
	-	4317874
ADVANCES (Secured)		
Staff	2983001	3973095
<u>Income Tax Department</u>		
Tax Deducted at source	20533401	10383940
TOTAL	23516402	18674909

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

NOTE-13

OTHER CURRENT ASSETS

		(Amount in Rs.)	
PARTICULARS	As at 31.03.15	As at 31.03.14	
Income accrued on deposit	30684345	26807344	
Non current bank balance note-11	0	0	
<u>Receivables</u>			
Government of UP	23691600	0	
Uttar Pradesh Power Corpoartion Ltd.	11356785828	29791418092	
<u>Receivables from staff</u>			
Employees	817653520	772607799	
Misc. Receivable	5508096038	4090556589	
Theft of fixed Assets pending investigation	19294941	19294941	
Less Provision for Estimated Loss	19294941	0	0
<u>Inter Unit Transfer</u>			
IUT	16808475901	12633258907	
Prepaid Expenses	4709990	5249927	
TOTAL	34550097222	47319898658	

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MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 14

REVENUE FROM OPERATIONS

		(Amount in Rs.)	
PARTICULARS	Year ended 31.03.2015	Year ended 31.03.2014	
Extra State Consumers		335766684	317180628
<u>Large Supply Consumers</u>			
Industrial	11726046920	12089691685	
Traction	742817747	364052474	
Irrigation	627596542	499529223	
Public Water Works	1717547729	2171052351	15124325733
<u>Small & Others Consumers</u>			
Domestic	15405566390	12211711577	
Commercial	6300785242	5722524631	
Industrial Low & Medium Voltage	3049393332	2877666181	
Public Institution	1574647845	1969454705	
Public Lighting	1280464892	1968975125	
STW & Pump Canals	2835297873	2840346297	
PTW & Sewage Pumping	1174809066	31620864540	28439267309
Meter Rent/ Service Line Rental		7248	7248
Miscellaneous Charges from consumers	1548451014		1076626577
Less - Energy Internally Consumed	-1155342099		-1214901549
Sub Total	47163856425		43742505946
Add Electricity Duty	3273344180		2844962037
TOTAL	50437200605		46587467983

Note - 15

OTHER INCOME

		(Amount in Rs.)	
PARTICULARS	Year ended 31.03.2015	Year ended 31.03.2014	
<u>Subsidies</u>			
(a) Revenue Loss & Tariff Subsidy from Govt. of U.P	12174880886		8178600000
Sub Total	12174880886		8178600000
(b) <u>Interest Income</u> :			
Loans to Staff	0	65479	
Fixed Deposits	147532519	278533804	
Other	10292367	8718398	285417681
(c) <u>Other non operating income</u> :			
Delayed Payment Charges	2457165974		2028017673
Income from Contractors/Suppliers	101380063		28760425
Rental from Staff	350983		479667
Miscellaneous Receipts	18004155		9680503
Excess found on physical verification of Stores	137917		58282
Sub Total	2734654078		2352444231
TOTAL	14909744966		10531044231

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 16

PURCHASE OF POWER

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2015	Year ended 31.03.2014
Power Purchased from -		
UPPCL	57933954970	66930429226
Transmission Charges UPPTCL	2374099830	2989402220
TOTAL	60308054800	69919831455

Note - 17

EMPLOYEES COST

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2015	Year ended 31.03.2014
Salaries & Allowances	1732360335	1933199697
Dearness Allowance	1523325784	1455059702
Other Allowances	136792309	157068732
Bonus/ Ex-gratia	2966786	36382863
Medical Expenses (Re-imbursement)	25657610	32257954
Leave Travel Assistance	0	22825
Earned Leave Encashment	168197599	708543598
Compensation	851200	1723423
Staff Welfare Expenses	1491158	9212462
Pension & Gratuity	284673685	530720989
Other Terminal Benefits	122468638	136436437
Sub Total	3998785102	5000628692
LESS - Expenses Capitalised	23340477	1216583657
TOTAL	3975444625	3784065035

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 18

OPERATION & OTHER EXPENSES

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2015	Year ended 31.03.2014
REPAIR AND MAINTENANCE		
Plant & Machinery	714693274	719272869
Buildings	49775111	134850140
Other Civil Works	4367252	4914436
Lines Cables net works etc.	1508566243	1387713296
Vehicles - Expenditure	82076540	723714
Furniture & Fixtures	909789	598740
Office Equipments	3089412	1880857
OTHER EXPENSES		
Rent	2259431	2420755
Rates and Taxes	31165	0
Insurance	3003910	2028536
Communication Charges	84096351	26160682
Legal Charges	18273425	21411723
<u>Auditors Remuneration & Expenses</u>		
Audit Fee	4580312	2951172
Travelling Expenses	1350053	621849
Consultancy Charges	5930365	3573021
Technical Fees & Professional charges	9870495	2429430
Travelling and Conveyance	858757	1543195
Printing and Stationery	38835153	41094788
Advertisement Expenses	27686788	22256480
Electricity Charges	25570283	23266604
Water Charges	1155342099	1214901549
Entertainment	458502	1160082
Miscellaneous Expenses	0	75912
SUB TOTAL	331485018	255753612
LESS - Expenses Capitalised	4055181373	3868030472
SUB TOTAL	0	168413078
OTHER EXPENSES		
Compensation (Other than staff)	4065181373	3899617394
Other Losses	11013270	18299646
TOTAL	0	2687570
TOTAL	4076194643	3718604610

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 19

FINANCE COST

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2015	Year ended 31.03.2014
Interest on Loans		
Government of UP	0	59745442
PFC	1239167378	876777127
REC	1348702907	1206663464
HUDCO	329720970	335466368
BANKS	6207205850	9124797105
Interest Bonds	2704566937	5747864164
Interest to Consumers	35117092	8226536585
Bank Charges	1129104	1227693655
Interest to Power Sector Emp. Trust	0	191538953
SUB-TOTAL	11865610238	680879
LESS - Interest Capitalised	0	397850070
GRAND TOTAL	11865610238	10944300142
		103790767
		9940509375

Note - 20

DEPRECIATION

(Amount in Rs.)

PARTICULARS	Year ended 31.03.2015	Year ended 31.03.2014
Depreciation	2011635461	1753601068
Less Equivalent amount of Depreciation on Assets acquired out of the Consumer's Contribution and GOUP's Capital Subsidy	455430242	455430242
GRAND TOTAL	1556205219	1298170826

MADHYANCHAL VIDYUT VITRAN NIGAM LTD.
GOKHLEY MARG, LUCKNOW.

Note - 21

PROVISIONS

(Amount in Rs.)		
PARTICULARS	Year ended 31.03.2015	Year ended 31.03.2014
PROVISIONS		
Doubtful debts (Sale of Power)	379475662	-313201283
TOTAL	379475662	-313201283

Note - 22

NET PRIOR PERIOD INCOME/EXPENDITURE

(Amount in Rs.)		
PARTICULARS	Year ended 31.03.2015	Year ended 31.03.2014
A INCOME		
a Revenue from Sale of Power	-64725498	-46856648
b Other Excess Provisions	-782399256	0
subtotal	-847124754	-46856648
B EXPENDITURE		
a O & M Expenses	-86558278	2204163
b Employee Cost	151336081	-283155370
c Administrative & General Exp	143332	2277885
subtotal	64921135	-278673322
Net Amount	912045889	-231816674




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

Note-23

SIGNIFICANT ACCOUNTING POLICIES

1. GENERAL

- (a) The financial statements are prepared in accordance with the provisions of the Companies Act 2013. However where there is a deviation from the provisions of the companies Act 2013 in preparation of these accounts, the corresponding provisions of Electricity (Supply) Act, 2003 have been adopted.
- (b) The accounts are prepared under historical cost convention, on accrual basis unless stated otherwise and on accounting assumption of going concern.
- (c) Subsidy, Grants etc are accounted for on cash basis. Interest on loans to staff is accounted for on receipt basis after the recovery of principal in full.

2. FIXED ASSETS

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



1



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

3. DEPRECIATION

- (a) Depreciation on fixed assets is provided in accordance with the provisions of Schedule II of The Companies Act, 2013.
- (b) Depreciation on value of additions to / deductions from Fixed Assets during the year is charged on pro rata basis.
- (c) Fixed assets are depreciated up to 95% of original cost after taking 5% as the residual value of assets.

4. STORES & SPARES

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

5. REVENUE/EXPENDITURE RECOGNITION

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


6. POWER PURCHASE




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

7. RETIREMENT BENEFITS

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


(I. M. KAUSHAL)
GENERAL MANAGER (F & A)
M.V.V.N.L., LUCKNOW


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


(SHAMIM AHMAD)
M. V. V. N. L.
Madhyanchal V. N. L.
4 'A' Gokhale Marg, Lucknow

MANDHYANCHAL VIDYUT VITRAN NIGAM LIMITED
4-A GOKHLEY MARG LUCKNOW

NOTE No. 24

Notes on Accounts annexed to and forming part of Balance Sheet as at 31.03.2015 and Profit & Loss Account for the Period ended on that date.

1. The Nigam was incorporated under the Companies Act 2003 on 01.05.2003, and commenced the business operation w.e.f. 12.8.2003 in terms of Government of U.P. Notification No. 2740/P-1/2003-24-14P/2003 dated 12.8.2003.
2. The Nigam is a subsidiary of Uttar Pradesh Power Corporation Limited. The annual accounts for the year 2014-15 are based on the balances of assets and liabilities transferred as per Transfer Scheme, 2003 "Annexure A" (except Cash & Bank Balance which are taken at actual as on 12.08.03). The final Transfer Scheme is yet to be issued and the opening balances as on 12.08.2003 will be adjusted accordingly.
3. The Share Capital includes the shares allotted to the subscribers of the Memorandum of Association.
4. Amount received on account of Rajiv Gandhi Gramin Vidyutikaran Yojna (Rs. 185,23,25,795.00), Business Plan (Rs. 449,50,30,000.00), PTW (Rs. 58,09,00,000.00), Vyapar Vikas Nidhi (Rs. 213,24,20,000.00), S V Yojna (Rs. 49,77,22,000.00), Transformer Repairs (Rs. 10,64,53,000.00), For 33/11 KV Bay etc. (Rs. 7,62,67,000.00), Conversion of Interest on Govt Loan (Rs. 188,70,20,974.29), Conversion of Bonds into Govt Special Securities (Rs. 1009,70,42,067.00) and Operation Losses (Rs. - 194,69,00,000.00) aggregating Rs. 1977,82,80,836.29 by Uttar Pradesh Power Corporation Limited from Government of Uttar Pradesh as Equity on behalf of Nigam have been shown as Share application money of Uttar Pradesh Power Corporation Limited in the Balance Sheet.
5. The liability for G.P.F, Pension and Gratuity during the year is discharged to Uttar Pradesh Power Sector Employees Trust by Uttar Pradesh Power Corporation Limited /Madhyanchal Vidyut Vitran Nigam Limited and where liability discharged by Uttar Pradesh Power Corporation Limited, is shown by Nigam as payable to Uttar Pradesh Power Corporation Limited.



6. In charging depreciation on Fixed Assets, the provisions of Schedule II of the Companies Act, 2013 complied to the extent of feasibility.
7. Receivables from Uttar Pradesh Power Corporation Limited includes Rs. 25,07,06,381.00 regarding difference in opening balance received as per GoUP and actual Cash & Bank balance (GoUP balance Rs. 90,19,00,000.00 - Actual balance Rs. 65,11,93,619.00 = Rs. 25,07,06,381.00).
8. The amount of Equity, Loans, Subsidies and Grants were received from the State Government by the Uttar Pradesh Power Corporation Limited centrally, being the Holding Company and have been distributed by the Holding Company to the DISCOMs, which have been accounted for accordingly.
9. Balances of Receivables from and Payable to Uttar Pradesh Power Corporation Limited are under reconciliation. However, Liabilities of Power Purchase, Investment of Uttar Pradesh Power Corporation Limited in DISCOM, Loans, Subsidies and Grants are duly reconciled.
10. (a) Age-wise classification of Sundry Debtors could not be given for want of age-wise details of receivables transferred under the transfer Scheme-2003.
(b) The provision for bad and doubtful debts against revenue from sale of Power has been made @ 5% on the incremental debtors during the year.
11. Based on actuarial valuation report submitted by M/s Price Waterhouse Coopers to Uttar Pradesh Power Corporation Limited (the Holding Company) provision for accrued liability on account of Pension and Gratuity for the year 2014-15 has been made @ 16.70% and 2.38% respectively on the amount of basic pay and DA paid to employees.
12. Amount due to SSI units could not be ascertained and interest there on could not be provided for want of complete information. Efforts are being made to segregate this information.
13. Liability towards medical expenses and LTC has been provided to the extent established.
14. As per Clause IV of Schedule VI of Electricity (Supply) Act, 2003 the Nigam is required to transfer a minimum of 0.25% of gross value of fixed



assets from its revenue to Contingency Reserve Account. Since the Nigam has losses this appropriation has not been made.

15. Employees cost includes remuneration to Managing Director as under.

Amount (Rs. in lacs)

	2013-14	2014-15
Salary & Allowances	49.21	35.41
Contribution to Gratuity/Pension	7.38	5.76

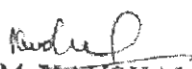
16. Payments to Directors and officers in foreign currency towards foreign tours were Nil.
17. Debts due from Directors were Nil.
18. Information pursuant to provision of Para II of schedule VI of the Company Act, 2013 are as under :-

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

S No.	Details	2013-2014	2014-2015
(i)	Total no of Units Purchased	14252.925 MU	15126.359 MU
(ii)	Total no of Units Sold	10710.703 MU	11665.397 MU
(iii)	Distribution Losses	24.85%	22.88%

- (b) Contingent Liabilities: - NIL

19. Since the Company is principally engaged in the distribution business of electricity and there is no other reportable segment as per AS 17, hence the discloser as per AS 17 on segment reporting is not required.
20. The disclosure as required as per AS 18 issued by ICAI on related parties transactions is not applicable as the Accounting Standard provides that "no disclosure is required in the financial statement of state-controlled enterprises as regard related party relationship with other state-controlled enterprises and transactions with such enterprises".
21. Due to losses during the year and uncertainty to recover such losses in near future, accounting of deferred tax assets as required by AS 22 issued by ICAI New Delhi has not been made.
22. Previous year figures have been regrouped and reclassified wherever considered necessary.
23. The figure shown in the Balance Sheet, Profit & Loss Account and Schedules have been rounded off to the nearest Rupee.


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GENERAL MANAGER (F & A)
M.V.V.N.L., LUCKNOW


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


(SHAMIM AHMAD)
Managing Director
Madhyanchal Vidyut Vitran Nigam Ltd.
4 'A' Gokhale Marg, Lucknow

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

ANNEXURE - 4

POLICY FOR IDENTIFYING & WRITING OFF OLD ARREARS



संस्तर प्रदेश पावर कारपोरेशन लिमिटेड

(उपरोक्त संस्था का चक्रवर्ती)
 "विद्युत से ऊर्जा लेना स्वच्छ"
 शक्ति भवन, 14-अधिका मार्ग, लखनऊ
 फोन नं. : 0522-2287888 फैक्स : 0522-2287884
 ई-मेल : corporate@spcl.co.in वेबसाइट : www.spcl.co.in

सं- 15 - 3030/नॉक्स/000/संयुक्त-1/आर-3

दिनांक जनवरी 09, 2004

विषय : असावधानीकृत व्ययों का प्रतीक्षा/अपेक्षा

Bad & Doubtful debts

कार्यालय ज्ञापन

कार्यालय ज्ञाप संख्या-225/विद्युत/आर-3 दिनांक जन 7, 2004 को और अधिक प्रस्ताव बनाने हेतु कारपोरेशन हिल में निम्नलिखित संशोधन दिये जाते हैं :-

पैरा सं०	वर्तमान प्राविधान	संशोधित प्राविधान
4(ख)	यह समिति संबंधित उपभोक्ता के परिवार पर जा कर प्रत्येक विद्युत संयंत्र के विकसित की विधि निर्धारित कर अपने संबंधित वितरण खण्ड के अधिकारी/अभिज्ञता के माध्यम से सहस्रक समीक्षा/संशोधन को प्रस्तुत करेगा। इस प्रकार के प्रत्येक निमित्त में सहस्रक अभिज्ञता/संशोधन संबंधित वित्त बकाया/हल बिना बकाये के असावधानीकृत व्ययों की धनशक्ति को आकड़े प्राप्त करके हल बिना वितरण खण्ड प्रारूप-1 में आगे के पक्षों पर प्रेषित और महाप्रबन्धक (वितरण) मण्डल को प्रस्तुत करेगा।	यह समिति संबंधित उपभोक्ता के परिवार पर जा कर उन को विद्युत संयोजन के विकसित की विधि निर्धारित कर अपनी शक्ति वितरण खण्ड के अधिकारी/अभिज्ञता को प्रस्तुत करेगा। स्थाई विकसित हेतु समिति द्वारा निर्धारित विधि अपेक्षा करनी होगी।
7	अप्राप्त बकाया हर- किराई/रकम को अटूट करने में खर्च होगा। समस्त व्ययों के उपभोक्ताओं के अप्राप्त बकायों को बट्टे खाते में डालने हेतु भूतपूर्व परिषद के आदेश सं-0047-सी/एनईवी-पंच-1987/04-नो/68 दिनांक 14-08-1974 द्वारा आदेश निमित्त किया गया था। इस परिप्रेक्ष्य के अतिक्रमण में अप्राप्त बकायों को बट्टे खाते में डालने हेतु समिति का गठन और नियमित होगा :- (क) प्रत्येक मामले में ₹50000000 (पचास हजार) की सीमा तक - अध्यक्ष-संशोधित उप महाप्रबन्धक (वितरण मण्डल) सदस्य-संबंधित अधिष्ठाता/वितरण खण्ड सहस्य-संबंधित महाप्रबन्धक (वितरण क्षेत्र) द्वारा नामित एक अन्य अधिष्ठाता	अप्राप्त बकायों को बट्टे खाते में डालने हेतु समिति का गठन यह निम्नलिखित है :- (क) लाख से अधिक के बकायों पर :- निदेशाधिकारी/वितरण मण्डल - अध्यक्ष मुख्य अधिष्ठाता (वितरण क्षेत्र) - संयोजक उपमहाप्रबन्धक (वितरण क्षेत्र) - सदस्य (ख) लाख से 5 लाख तक के बकायों पर :- मुख्य अधिष्ठाता (वितरण क्षेत्र) - अध्यक्ष अधिष्ठाता/वितरण क्षेत्र - संयोजक उपमुख्य लेखाधिकारी (वितरण क्षेत्र) - सदस्य (ग) 50 हजार से 1 लाख तक के बकायों पर :- अधिष्ठाता/वितरण मण्डल - अध्यक्ष अधिष्ठाता/वितरण क्षेत्र - संयोजक लेखाधिकारी (वितरण मण्डल) - सदस्य

111/DE/3074
13/01/2004

CS (Cm)
by
12.11.02
निदेशक (संशोधन)
संयोजक (संशोधन)

SE (R&T)

C.A.
Basikelaaran 2004
15
जमा

225
15.01.04

<p>(ख) रु० 50000.00 (पचास हजार) से अधिक के समस्त सामान :- अप्रभ-संवर्धित माछा महाप्रबन्धक (वितरण अंचल) सदस्य-संवर्धित महाप्रबन्धक (वितरण क्षेत्र) सदस्य-संवर्धित उपमहाप्रबन्धक (वितरण मण्डल) (ग) क्या सं०-३ व ४ में उल्लिखित प्रक्रिया के अनुसार निदेशिकाएं बकायों का विवरण संलग्न प्रारूप-१ में तथा क्या सं०-३ के अनुसार अप्रभ बकायों का विवरण संलग्न प्रारूप-२ में भर कर उप महाप्रबन्धक (वितरण) मण्डल / मुख्य महाप्रबन्धक (वितरण) अंचल को स्तर मर प्रारूप-१ में उल्लिखित समिति को अवमोदन हेतु प्रस्तुत किया जायेगा।</p>	<p>(घ) 50 हजार तक के बकायों पर :- अधिशाली (अधि० वितरण मण्डल) :- अध्यक्ष अधि० अ. नि० / अ. नि० अधिशाली (अधि० वितरण क्षेत्र) :- सहायक अधि० अ. नि० (अधि० वितरण मण्डल) :- सदस्य</p>
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घरेलू बक़ी एवं प्रेष्य स्वामीयताओं का स्थाई निष्पत्ती फाइनल करने के लिए उपर्युक्त अधिकारी अधिकृत होने परन्तु स्वामीयताओं का फाई कोड ०३ (स्वातंत्र्य) अधिशाली अभियन्ता वितरण द्वारा किया जायेगा। स्थाई निष्पत्ती हेतु रु० ५००० विद्युत प्रदाय संहिता २००५ के पैरा ४.३८ का पालन किया जायेगा।

उपर्युक्त कार्यसूचि का प्रारूप संख्या-२१२९/सीएलए/आर-३ दिनांक २००१ में उल्लिखित उप महाप्रबन्धक, महाप्रबन्धक एवं मुख्य महाप्रबन्धक के स्थान पर अधिशाली अभियन्ता, मुख्य अभियन्ता एवं निदेशिका (वितरण/संकलीनी) समस्त जाये।

(संजय कश्यप)

अध्यक्ष

सं०-१३-२००३/००५००००/००/सीएलए-१ दिनांक २००३/१

प्रतिलिपि :-

- १- प्रेष्य निदेशिका मध्यमाल / प्रबन्धक / वितरण मंडल / परिमामाल, लखनऊ / वाराणसी / आगरा / मेरठ एवं कन्नौज।
- २- निदेशक (वितरण) / वितरण / वितरण / सी० प्रबन्धक एवं प्रशा०, पटना।
- ३- निदेशक (वितरण) / संकलीनी, मध्यमाल / प्रबन्धक / वितरण मंडल / परिमामाल, लखनऊ / वाराणसी / आगरा / मेरठ।
- ४- समस्त मुख्य अभियन्ता (वितरण) रु० ५००० प्र० का० लि०।
- ५- समस्त अधिशाली अभियन्ता (वितरण) रु० ५०० प्र० का० लि०।
- ६- समस्त अधिशाली अभियन्ता (वितरण) रु० ५०० प्र० का० लि०।

(संजय कश्यप)

अध्यक्ष

सं०-१३-२००३/००५००००/००/सीएलए-१