

PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED

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



PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED



उत्तर प्रदेश UTTAR PRADESH

62AC 152418

BEFORE THE UTTAR PRADESH ELECTRICITY REGULATORY
COMMISSION, LUCKNOW

Filing No.
Case No.

IN THE MATTER OF : Paschimanchal Vidyut Vitran Nigam Ltd. Meerut
Filing of Annual Revenue Requirement for
FY 2015-16 AND True-up for FY 2012-13

I, VIJAY VISHVAS PANT S/o Mr. U.D. Pant do solemnly affirm and say as under :-

1. That I am the **Managing Director** of the above named Company and am authorized to make this affidavit on its behalf.
2. That I am filing the enclosed Annual Revenue Requirement for FY 2015-16 & True-up for FY 2012-13 alongwith other documents. The delay in submission may kindly be condoned.
3. That the Hon'ble Commission may kindly be pleased to accept the Annual Revenue Requirement and True-up petition and pass such necessary orders as it may deem necessary.
4. That Sri R.P. Singh, Superintending Engineer (Commercial), PVVNL, Meerut is being authorized to sign the enclosed Annual Revenue Requirement and related documents.

Dated: December. 02, 2014


(VIJAY VISHVAS PANT)
DEPONENT

Central Bank of India
Jail Chungi Meerut

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ON DEMAND *****

OR ORDER

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AUTHORISED SIGNATORIES

Please sign above

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1. BACKGROUND AND PROCEDURAL HISTORY

1.1 BACKGROUND

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

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

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

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

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

Paschimanchal Vidyut Vitaran Nigam Limited (hereinafter referred as 'MEERUT DisCom' or 'PVVNL') came in to existence in August 2003 as a subsidiary company of UPPCL and is responsible for power distribution in DisCom covering its jurisdiction area of district Saharanpur, Muzaffarnagar, Meerut, Baghpat, Bijnor, Rampur, Moradabad, Jyotibaphule Nagar, Bulandshahar, Ghaziabad and Gautam Budh Nagar excluding Greater Noida area.

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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 PVVNL 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).

PVVNL 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 PVVNL on 11th July, 2014 at Noida.

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 PVVNL was to the tune of Rs. 6,345.09 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 PETITION FOR FY 2015-16

A combined reading of the Section 62 and 64 of the Electricity Act, 2003 and the UPERC (Terms and Conditions of Distribution Tariff) Regulations, 2006 require a distribution licensee to file its ARR Petition by November 30, 2013.

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

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

1.5 STRUCTURE OF THE ARR PETITION FOR FY 2015-16

The structure of this ARR Petition is as under:

- | | |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chapter 1 | Background and Procedural History
This contains a brief background and rationale used for the submission; major issues that describe the structure of the submission. |
| Chapter 2 | True up Petition for FY 2012-13
This section deals with the true up for each element of expenditure for FY 2012-13 based on audited accounts. It provides an analysis of the actual performance vis-à-vis the approved Tariff Orders numbers and also computes the trued up revenue gap which is proposed to be recovered along with the ARR for FY 2015-16. |
| Chapter 3 | Progress of the Various Efficiency Improvement Measures taken by the Petitioner
This section summarizes the various system improvement measures taken by the Petitioner to improve commercial efficiencies in its area of supply and the progress of such steps over the years |
| Chapter 4 | Capital Investment Plan
This section details the nature of scheme and the expected financial outlay towards the capital investment plan for FY 2015-16. Section also provides the revised estimates in respect of capital investment for FY 2014-15. |
| Chapter 5 | Compliance of the Hon'ble Commission's Directives
This section lists the directives issued by the Hon'ble Commission in the previous tariff order and the status of their compliances. |
| Chapter 6 | Load Forecast and Revenue Assessment
This includes actual sales for FY 2013-14, estimates for FY 2014-15 and forecasts for FY 2015-16. It also includes actual billing determinants for FY 2012-14, estimates for FY 2014-15 and projected billing determinants and revenue assessment for FY 2014-15 and 2015-16 by consumer category. |
| Chapter 7 | ARR for Wheeling and Retail Supply Business
This includes the ARR forecast for FY 2015-16. The ARR also includes the revenue |


gap figures for the aforementioned years and the segregation of the ARR among Wheeling and Retail Supply Business.

Chapter 8 Treatment of the Revenue Gap

This sections deals with the treatment of the revenue gap

Chapter 9 Prayers

The main prayers are summarized in this section


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2. TRUE UP PETITION FOR FY 2012-13

2.1 TRUE-UP SUMMARY FOR FY 2012-13

The Petitioner submits that the audited accounts for FY 2012-13 for the Petitioner have been enclosed along with this Petition. The Petitioner seeks true-up of expenses for the year 2012-13 as per the audited accounts as applicable for various heads of expenditure. The following table summarises the truing up computations for 2012-13 for approval by the Hon'ble Commission. The Petitioner also provides the details of truing up in the subsequent paragraphs:

Table 2-1: True Up Summary for FY 2012-13

(All figures in Rs Crore)

Particulars	Approved	Actuals as per audited accounts	True-up Petition
Power Purchase Expenses	8054.03	8546.14	9498.65
Apportionment of O&M Expenses of UPPCL#	0.00	0.00	47.31
Transmission Charges	388.34	411.92	416.24
Employee Expenses	369.87	529.10	529.10
Repair and Maintenance Expenses	216.58	207.75	207.75
A&G Expenses	41.41	63.02	63.02
Gross Interest on Long Term Loans	165.89	217.26	163.79
Interest o Bonds	0.00	0.00	0.00
Interest to Consumer	37.48	66.09	66.09
Finance Charges	15.72	0.30	0.30
Interest on Working Capital	81.12	508.99	46.85
Discount to Consumers	0.00	0.00	0.00
Depreciation	363.35	116.34	398.18
Prior Period Expenses	0.00	63.39	63.39
Other Misc Expenses / Incomes	0.00	11.13	11.13
Provision for Bad and Doubtful Debts	0.00	24.43	148.82
Gross Expenditure	9733.78	10765.87	11660.63
Less: Employee Capitalisation	55.48	136.83	136.83
Less: A&G Capitalisation	6.21	12.57	12.57
Less: Interest Capitalisation	18.30	8.42	8.42
Total Capitalisation	79.99	157.82	157.82
Net Expenditure	9653.79	10608.05	11502.81
Add: Return on Equity	0.00	0.00	0.00
Less: Non-tariff Incomes	21.61	12.54	12.54
Add: Efficiency Gains	0.00	0.00	0.00
Annual Revenue Requirement	9632.18	10595.50	11490.27

Particulars	Approved	Actuals as per audited accounts	True-up Petition
Revenue from Tariff incl DPS	7451.95	7441.14	7441.14
GoUP Subsidy	1046.05	1851.02	1851.02
Net Revenue Gap	1134.19	1303.35	2198.11

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

2.1.1 POWER PURCHASE EXPENSE

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

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

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

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

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

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

Particulars	Unit	Approved	Actuals	True-up Petition
Power Purchase	MU	74,703.39	77,707.16	77,707.16
Transmission Loss	MU	4,208.31	4,039.76	4,039.76
Transmission Loss	%	5.63%	5.20%	5.20%
Energy available at Discom End	MU	70,495.08	73,667.40	73,667.40

Particulars	Unit	Approved	Actuals	True-up Petition
Power Purchase Cost (including PGCIL charges)	Rs Crore	25,439.60	29,557.94	
Power Purchase Cost per unit	Rs/kWh	3.61	4.01	
Allowable Power Purchase Cost at Discom end	Rs Crore			29,557.94
Power Purchase Cost per unit at Discom end (BST)	Rs/kWh			4.01

The Hon'ble Commission in its True-up Order for FY 2008-09 to FY 2011-12 dated 01st October, 2014 had considered a philosophy, wherein the efficiency target of Distribution loss level, had been considered as controllable parameter, and thereupon the power purchase cost consequent to under-achievement of Distribution loss was disallowed. To maintain consistency with the approach adopted by the Hon'ble Commission, the Petitioner has calculated the allowable power purchase input at discom end by grossing up the actual energy sales by the approved Distribution loss target or actual Distribution losses, whichever is lower. Thereafter, the allowable power purchase input has been multiplied by the Trued-up Bulk Supply Rate to derive the allowable power purchase cost for FY 2012-13 under truing up as shown in the table below:

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

Particulars	Unit	Approved	Actuals	True-up Petition
Power Purchase	MU	22,318.33	23,673.53	23,673.53
Sales	MU	16,851.76	17,007.34	17,007.34
Distribution Loss Target	%	24.49%	28.16%	24.49%
Allowable Power Purchase	MU			22,524.37
Trued up Bulk Supply Tariff	Rs/kWh			4.01
Allowable Power Purchase Cost				9,498.65

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2.1.2 TRANSMISSION CHARGES

In the Tariff Order for FY 2012-13 for the Petitioner, the Hon'ble Commission has approved the Transmission Charges of Rs. 388.34 crore (@ Rs. 0.174 per kWh) towards a projected power purchase of 22,318.33 MU.

As per the audited accounts, the Petitioner has incurred Rs. 411.92 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. 416.24 crore which have been computed by multiplying the allowable power purchase input of 22,524.376 MU (determined in foregoing section) by the trued up transmission charge of Rs. 0.1848 per kWh which has been traced from the True-up Petition filed by the UPPTCL before the Hon'ble Commission for FY 2012-13.

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

Particulars	Unit	Approved	Actuals	True-up Petition
Units Wheeled	MU	22,318.33	23,673.53	22,524.37
Trued up Transmission Charge	Rs/kWh	0.174	0.174	0.185
Transmission Charges	Rs Crore	388.34	411.92	416.24

Accordingly, the Petitioner submits that, against the approved intra-state transmission charges of Rs. 388.34 crore, the allowable transmission charges for FY 2011-12 are to the tune of Rs. 416.24 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. 529.10 crore as against Rs. 369.87 crore approved by the Hon'ble Commission in the Tariff Order for FY 2012-13. The employee expenses capitalised as per audited accounts are to the tune of Rs. 136.83 crore as against Rs. 55.48 crore approved in the Tariff Order. Thus, the net employee expenses as per audited accounts are Rs. 392.28 crore as against Rs. 314.39 crore approved in the Tariff Order.

Further, the Petitioner submits that the actual gross A&G expenses were Rs. 63.02 crore as against Rs. 41.41 crore approved by the Hon'ble Commission in the Tariff Order for FY 2012-13. The A&G expenses capitalised as per audited accounts are to the tune of Rs. 12.57 crore against Rs. 6.21

crore approved in the Tariff Order. Thus, the net A&G expenses as per audited accounts are Rs. 50.45 crore as against Rs. 35.20 crore approved in the Tariff Order.

The actual repair and maintenance expenses for FY 2012-13 were Rs. 207.75 crore as against Rs. 216.58 crore approved by the Commission in the Tariff Order.

The Petitioner has been able to control the employee expenses and administrative and general expenses within the limit prescribed in the Tariff Order. The overall O&M expenses are also within the limit approved in the Tariff Order. Accordingly, the Petitioner humbly submits that the O&M expenses be trued up considering the actual expenses incurred as per audited accounts, as they are within the range prescribed in the Tariff Order for FY 2012-13

The summary of the O&M expenses approved in the Tariff Order for FY 2012-13 vis-a-vis the actual expenses as per audited accounts and those claimed in the True up are shown in the table below:

Table 2-5: Operation & Maintenance Expenses FY 2012-13

(All figures in Rs Crore)

Particulars	Tariff Order	Actuals as per audited accounts	True-up Petition
Employee Expenses	369.87	529.10	529.10
Repair & Maintenance Expenses	216.58	207.75	207.75
Administrative and General Expenses	41.41	63.02	63.02
Gross Operation and Maintenance Expenses	627.86	799.87	799.87
Less: Capitalisation			
Employee Cost Capitalized	55.48	136.83	136.83
A&G Expenses Capitalized	6.21	12.57	12.57
Total Capitalization	61.69	149.40	149.40
Net Operation and Maintenance Expenses	566.16	650.47	650.47

2.1.4 INTEREST ON LONG TERM LOANS

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

The Hon'ble Commission in its previous tariff and true-up orders had considered a normative tariff approach with a gearing of 70:30. Considering this approach, 70% of the capital expenditure undertaken in any year was considered to be financed through loan and balance 30% was been considered to be financed through equity contributions. The portion of capital expenditure

financed through consumer contributions, capital subsidies and grants was separated and the depreciation and interest thereon was not charged to the consumers & beneficiaries. The amounts received as consumer contributions, capital subsidies and grants were traced from the audited accounts. Subsequently, the financing of the capital investment was worked out based on the gearing ratio of 70:30 and allowable depreciation was considered as normative loan repayment.

The Petitioner for the purposes of this true up petition for FY 2012-13 has claimed the interest and finance charges based on the same philosophy.

Considering the Capital Work in Progress balances (CWIP) and Gross Fixed Asset (GFA) balances as per audited accounts, the Petitioner has derived the actual capital investments undertaken by it in FY 2012-13. The details are provided in the table below:

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

(All figures in Rs Crore)

Particulars	Derivation	2012-13
Opening WIP as on 1st April	A	256.06
Investments	B	1100.81
Employee Expenses Capitalisation	C	136.83
A&G Expenses Capitalisation	D	12.57
Interest Capitalisation on Interest on long term loans	E	8.42
Total Investments	F= A+B+C+D+E	1514.70
Transferred to GFA (Total Capitalisation)	G	1291.37
Closing WIP	H= F-G	223.33

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

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

(All figures in Rs Crore)

Particulars	2012-13
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	1,083.95
Additions during the year	187.42
Less: Amortisation	66.88
Closing Balance	1,204.48

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

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

(All figures in Rs Crore)

Particulars	Derivation	2012-13
Investment	A	1,100.81
Less:		-
Consumer Contribution	B	187.42
Investment funded by debt and equity	C=A-B	913.40
Debt Funded	70%	639.38
Equity Funded	30%	274.02

Thus, from the above tables it is seen, that the Petitioner has made an investment of Rs. 1,100.81 crore in FY 2012-13. The consumer contributions, capital subsidies and grants received during the corresponding period is Rs. 187.42 crore. Thus, balance Rs. 913.40 crore have been funded through debt and equity.

Considering a debt equity ratio of 70:30, Rs. 639.38 crore or 70% of the capital investment is approved to be funded through debt and balance 30% equivalent to Rs. 274.02 crore through equity. Allowable depreciation for the year has been considered as normative loan repayment. The actual weighted average rate of 13.26% has been considered for computing the eligible interest expenses.

The opening balance of long term loan has been considered from the actual loan balance as per the audited financial statements for FY 2012-13. Considering the above, the gross interest on long term loan is Rs. 163.79 crore. The interest capitalisation has been considered at the same rate as per audited accounts. The computations for interest on long term loan are depicted below:

Table 2-9: Allowable Interest on Long Term Loan for FY 2012-13

(All figures in Rs Crore)

Particulars	2012-13
Opening Loan	1,114.97
Loan Additions (70% of Investments)	639.38
Less: Repayments (Depreciation allowable for the year)-	398.18
Closing Loan Balance	1,356.17
Weighted Average Rate of Interest	13.26%
Interest on long term loan	163.79
Interest Capitalisation Rate	5.14%
Less: Interest Capitalized	8.42
Net Interest Charged	155.37

2.1.4.1 INTEREST ON CONSUMER SECURITY DEPOSITS

In terms of the Regulation 4.8(3) of the Distribution Tariff Regulation, the Licensee has to pay interest to the consumers at bank rate or more on the consumer security deposit. Further, section

47(4) of the Electricity Act 2003, states that “the distribution licensee shall pay interest equivalent to the bank rate or more, as may be specified by the concerned state Commission, on the security referred to in sub-section (1) and refund such security on the request of the person who gave such security”

The Petitioner humbly submits that the actual interest on consumer security deposit paid in FY 2012-13 is to the tune of Rs. 66.09 crore as against Rs. 37.48 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. 0.30 crore as per audited accounts towards expenditures like bank charges, finance charges, etc and the same be allowed in the true up for FY 2012-13.

2.1.4.3 INTEREST ON WORKING CAPITAL

In the Tariff Order for FY 2012-13, the Hon’ble Commission had allowed Rs. 81.12 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. 46.85 crore towards interest on working capital for FY 2012-13 as computed in the table below:

Table 2-10: Allowable Interest on Working Capital for FY 2012-13

(All figures in Rs Crore)

Particulars	Derivation	True up Petition
O&M Expenses		
Employee Expenses		529.10
R&M Expenses		207.75
A&G Expenses		63.02
Total O&M Expenses	A	799.87
One Month’s O&M Expenses	$B = 1/12 \text{ of } A$	66.66
Book Value of Stores	C	287.94
One twelfth of the sum of book value of the material in stores	$D = 1/12 \text{ of } C$	23.99
Receivable equivalent to 60 days average billing of consumers	E	1,223.20
Less: Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	F	939.05
Total Working Capital Requirement	G = B + D + E-F	374.80

Particulars	Derivation	True up Petition
Interest rate	H	12.50%
Interest on working capital	$I = G \times H$	46.85

The following table summarises the interest and finance charges claimed by the Petitioner as against those approved by the Commission in the Tariff Order for FY 2012-13:

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

(All figures in Rs Crore)

Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
A: Interest on Long Term Loans			
Gross Interest on Long Term Loan	165.89	217.26	163.79
Less: Interest Capitalisation	18.30	8.42	8.42
Net Interest on Long Term Loans	147.59	208.84	155.37
B: Finance and Other Charges			
Interest on Consumer Security Deposits	37.48	66.09	66.09
Bank Charges	0.00	0.00	0.00
Discount to Consumer	0.00	0.00	0.00
Finance Charges	15.72	0.30	0.30
Total Finance Charges	53.21	66.39	66.39
C: Interest on Working Capital	81.12	508.99	46.85
Total (A+B+C)	281.92	784.22	268.61

2.1.5 DEPRECIATION

The actual depreciation expense charged in the audited accounts is Rs. 116.34 crore. However, the same has been accounted for considering the depreciation rates prescribed by the Companies Act, 1956.

The Petitioner has computed the allowable depreciation expense on the GFA base as per audited accounts for FY 2012-13 and at the rates approved by the Commission in the Tariff Order for FY 2012-13 i.e., @ 7.84%. The Petitioner has computed the depreciation only on the depreciable asset base and has excluded the non-depreciable assets such as land, land rights, etc.

Considering this philosophy, the gross entitlement towards depreciation has been computed at Rs. 467.25 crore.

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

(All figures in Rs Crore)

Particulars	Opening GFA	Additions to GFA	Deductions to GFA	Closing GFA	Depreciation Rates considered	Allowable Depreciation
Land & Land Rights						
i) Unclassified	1.44	(0.44)	-	1.01		-
ii) Freehold Land	-	-	-	-		-
Buildings	41.87	34.24	0.01	76.10	7.84%	4.62
Other Civil Works	-	-	-	-	7.84%	-
Plants & Machinery	1,232.54	718.95	550.51	1,400.98	7.84%	103.23
Lines, Cable Network etc.	1,976.84	524.42	106.35	2,394.92	7.84%	171.37
Vehicles	0.26	-	-	0.26	7.84%	0.02
Furniture & Fixtures	1.17	8.64	0.01	9.80	7.84%	0.43
Office Equipments	1.77	5.56	0.01	7.32	7.84%	0.36
Jeep & Motor Car	-	-	-	-		-
Assets taken over from Licensees pending final Valuation	-	-	-	-		-
Total	3,255.89	1,291.37	656.88	3,890.38		280.04
Fixed Asset as per Transfer Scheme	2,387.92	-	-	2,387.92	7.84%	187.21
GRAND TOTAL	5,643.81	1,291.37	656.88	6,278.30	7.84%	467.25

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

Thus the allowable depreciation for FY 2012-13 is Rs. 398.18 crore as depicted in the table below:

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

(All figures in Rs Crore)

Particulars	Tariff Order	Actual as per audited accounts	True-up Petition
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Gross Allowable Depreciation	453.44	185.40	467.25
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	90.09	69.07	69.07
Net Allowable Depreciation	363.35	116.34	398.18

2.1.6 PRIOR PERIOD EXPENSES

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

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

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

In the audited financial statements of the Petitioner for FY 2012-13, there has been recognition of Rs 3.67 crore of prior period incomes and prior period expenses of Rs 66.96 crore, thereby increasing the eligible true-up by Rs. 62.39 crore.

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

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

(All Figures in Rs Crore)

Particulars	True up Petition
Income	
Receipt from consumers	3.67
Other Excess Provision	
Sub-Total A	3.67
Expenditure	
Wheeling Charges	-0.00
Operating Expenses	0.05
Employee Cost	4.11
Depreciation Previous Years	1.93
Interest & Finance Charges	60.86
Other Expenses	0.10
Sub-Total B	66.96

Net prior period Credit/(Charges)

63.29

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

2.1.7 PROVISION FOR BAD AND DOUBTFUL DEBTS

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

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

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

(All Figures in Rs Crore)

Particulars	Rs Crore
Total Revenue Receivables from Retail Sales	7,441.14
% of Provision for Bad and Doubtful Debts	2%
Provision for Bad and Doubtful Debts	148.82

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. 7,451.95 crore for FY 2012-13. The audited accounts have reported the actual revenue from sale of power to be Rs. 7,441.14 crore (including delayed payment surcharge) towards electricity sales of 17,007.34 MU.

2.2.2 NON TARIFF INCOMES

The Petitioner submits that against the projected non tariff incomes of Rs. 21.21 crore in the Tariff Order, the actual non tariff incomes have been Rs. 12.54 crore.

2.2.3 GOUP SUBSIDY

In the Tariff Order for FY 2012-13, the Hon'ble Commission had projected the revenue subsidy from GoUP to be Rs. 1,046.05 crore. However the actual subsidy received from GoUP by the Petitioner is Rs. 1,851.02 crore.

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

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

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

(All figures in Rs Crore)

Particulars	Approved	Actuals as per audited accounts	True-up Petition
Power Purchase Expenses	8054.03	8546.14	9498.65
Apportionment of O&M Expenses of UPPCL#	0.00	0.00	47.31
Transmission Charges	388.34	411.92	416.24
Employee Expenses	369.87	529.10	529.10
Repair and Maintenance Expenses	216.58	207.75	207.75
A&G Expenses	41.41	63.02	63.02
Gross Interest on Long Term Loans	165.89	217.26	163.79
Interest o Bonds	0.00	0.00	0.00
Interest to Consumer	37.48	66.09	66.09
Finance Charges	15.72	0.30	0.30
Interest on Working Capital	81.12	508.99	46.85
Discount to Consumers	0.00	0.00	0.00
Depreciation	363.35	116.34	398.18
Prior Period Expenses	0.00	63.39	63.39
Other Misc Expenses / Incomes	0.00	11.13	11.13
Provision for Bad and Doubtful Debts	0.00	24.43	148.82
Gross Expenditure	9733.78	10765.87	11660.63
Less: Employee Capitalisation	55.48	136.83	136.83
Less: A&G Capitalisation	6.21	12.57	12.57
Less: Interest Capitalisation	18.30	8.42	8.42
Total Capitalisation	79.99	157.82	157.82
Net Expenditure	9653.79	10608.05	11502.81
Add: Return on Equity	0.00	0.00	0.00
Less: Non-tariff Incomes	21.61	12.54	12.54
Add: Efficiency Gains	0.00	0.00	0.00
Annual Revenue Requirement	9632.18	10595.50	11490.27
Revenue from Tariff incl DPS	7451.95	7441.14	7441.14
GoUP Subsidy	1046.05	1851.02	1851.02
Net Revenue Gap	1134.19	1303.35	2198.11

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The Petitioner requests the Hon'ble Commission to consider the revenue side true-up and expense side true-up as per the aforementioned sections wherein the net revenue gap has been computed at Rs. 2,198.11 crore. The Petitioner humbly requests the Hon'ble Commission to consider the same along with the ARR for FY 2015-16.


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3. PROGRESS OF VARIOUS EFFICIENCY IMPROVEMENT MEASURES UNDERTAKEN

As per the directives and guidelines specified by the Hon'ble Commission towards efficiency improvement, the Petitioner has made concerted efforts to improve its operations and is committed to implement a number of technical and commercial measures in this direction in FY 2013-14 (current year) and FY 2014-15 (ensuing year). The objective of efficiency improvement programs would be to ensure a reliable distribution system and enhance the quality of supply to consumer as well as to reduce technical & commercial losses of the Petitioner. The initiatives undertaken are:

SYSTEM IMPROVEMENT INITIATIVES

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

3.1 ENHANCEMENT OF CAPACITY OF EXISTING 33KV SUBSTATIONS

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

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

3.2 CONSTRUCTION OF NEW 33KV SUBSTATIONS

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


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3.3 ADDITION OF NEW TRANSFORMERS


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

3.4 OTHER INITIATIVES

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

3.5 COMMERCIAL PROCESS IMPROVEMENT

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



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

3.6 DEDICATED 24X7 CALL CENTRE

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

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


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4. INVESTMENT PLAN DETAILS

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

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

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

4.1 R-APDRP

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

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

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

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

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

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

4.2 RURAL ELECTRIFICATION PROGRAMME (RGGVY)


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

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

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

4.3 ENERGISATION OF PRIVATE TUBE WELLS (PTW)

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


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4.4 OTHER SCHEMES

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

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

4.5 AUGMENTATION OF DISTRIBUTION NETWORK

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

4.6 METERING OF CONSUMERS

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

4.7 INSTALLATION OF AERIAL BUNCH

4.8 CONDUCTORS

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

4.9 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.

4.10 CAPITAL INVESTMENT PLAN FOR FY 2014-15 – REVISED ESTIMATES

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

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

Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Energisation of PTW Connections	8550	63.09	27.04		90.14
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme	208	68.64	29.42		98.05
33 kV / 11 kV Works under Business Plan					
a) 33 kV Works					
Construction of new 33/11 kV S/s and associated 33 kV lines	38	106.30	45.56		151.85
Increasing capacity of 33 / 11 kV S/s	65	35.27	15.12		50.39
33 kV link line	460	32.56	13.95		46.51
Replacement of damaged/obsolete 33kV VCB & Switchgears and higher capacity of conductor, poles, S/s apparatus, etc.	150	5.43	2.33		7.75
b) 11 kV Works					
11 kV new line (bifurcation of feeders, link lines, etc)	150	5.13	2.20		7.33
11/0.4 kV S/s (25, 63 & 100 kVA)	150	3.26	1.40		4.65
11/0.4 kV S/s (250 & 400 kVA)	40	1.79	0.77		2.56
11/0.4 kV S/S Increasing Capacity (25 to 63 and 63 to 100 KVA)	300	3.26	1.40		4.65
11/0.4 kV S/S Increasing Capacity (100 to 250 kVA and 250 to 400 kVA)	45	2.03	0.87		2.89
Strengthening of 11 kV Line	200	3.09	1.33		4.42
11/0.4 kV S/s providing extra LT Distributors / DO fuse set and LT Distribution pillar box	300	3.26	1.40		4.65
Strengthening of LT line (Replacement of damaged conductors / jarjar poles / jarjar lines with higher capacity of conductors, etc)	200	2.39	1.02		3.41
Strengthening of HT line					
Replacement of damaged/obsolete 11kV OCB / VCB, etc	230	7.60	3.26		10.85
Double Metering of consumers		1.52	0.65		2.17

Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
LT AERIAL BUNCHED CONDUCTORS	60	5.43	2.33		7.75
Underground cabling work - 11 and 33 kV					
Capital Works under Vyapar Vikas Nidhi		108.52	46.51		155.03
33/11 kV Substations under Tehsil Scheme	31	135.28	57.98		193.26
33/11 kV Substations under CM's declaration	4	12.15	5.21		17.36
Feeder Segregation Scheme		126.25	54.11		180.36
RGGVY Phase II (11th Plan Pending Works)		12.81	5.49		18.30
RGGVY Phase II (12th Plan)		18.54	7.95		26.49
Other Misc Works		62.29	26.70		88.99
R-APDRP Part A		74.73	32.03		106.76
R-APDRP Part B		374.25	160.39		534.64
Deposit Works				321.39	321.39
Total		1274.85	546.36	321.39	2142.61


4.11 PROPOSED CAPITAL INVESTMENT PLAN FOR FY 2015-16

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

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

Description	Qty	Capital Investment Plan			
		Loans	Equity / Internal Accruals	Deposit Works	Total
Energisation of PTW Connections	8800	84.76	36.32		121.08
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme	208	92.06	39.46		131.52
33 kV / 11 kV Works under Business Plan					
a) 33 kV Works					
Construction of new 33/11 kV S/s and associated 33 kV lines	45	184.13	78.91		263.04
Increasing capacity of 33 / 11 kV S/s	73	56.66	24.28		80.94
33 kV link line	643	63.74	27.32		91.05
Replacement of damaged/obsolete 33kV VCB & Switchgears and higher capacity of conductor, poles, S/s apparatus, etc.	250	11.33	4.86		16.19
b) 11 kV Works					
11 kV new line (bifurcation of feeders, link lines, etc)	220	14.16	6.07		20.23
11/0.4 kV S/s (25, 63 & 100 kVA)	300	8.50	3.64		12.14
11/0.4 kV S/s (250 & 400 kVA)	150	10.62	4.55		15.18
11/0.4 kV S/S Increasing Capacity (25 to 63 and 63 to 100 KVA)	400	5.67	2.43		8.09

Description	Qty	Capital Investment Plan			
		Loans	Equity / Internal Accruals	Deposit Works	Total
11/0.4 kV S/S Increasing Capacity (100 to 250 kVA and 250 to 400 kVA)	100	3.54	1.52		5.06
Strengthening of 11 kV Line	500	11.33	4.86		16.19
11/0.4 kV S/s providing extra LT Distributors / DO fuse set and LT Distribution pillar box	700	11.33	4.86		16.19
Strengthening of LT line (Replacement of damaged conductors / jarjar poles / jarjar lines with higher capacity of conductors, etc)	600	10.62	4.55		15.18
Strengthening of HT line	700	14.16	6.07		20.23
Replacement of damaged/obsolete 11kV OCB / VCB, etc	400	17.00	7.28		24.28
Double Metering of consumers		5.67	2.43		8.09
LT AERIAL BUNCHED CONDUCTORS	100	11.33	4.86		16.19
Underground cabling work - 11 and 33 kV	80	28.33	12.14		40.47
Capital Works under Vyapar Vikas Nidhi		213.66	91.57		305.23
33/11 kV Substations under Tehsil Scheme	26	142.09	60.90		202.99
33/11 kV Substations under CM's declaration					
Feeder Segregation Scheme		55.39	23.74		79.13
RGGVY Phase II (11th Plan Pending Works)		42.63	18.27		60.90
RGGVY Phase II (12th Plan)		75.61	32.40		108.01
Other Misc Works		9.10	3.90		13.00
R-APDRP Part A		67.39	28.88		96.27
R-APDRP Part B		374.25	160.39		534.64
Deposit Works				409.68	409.68
Total		1625.05	696.45	409.68	2731.18


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5. COMPLIANCE OF HON'BLE COMMISSION'S DIRECTIVES

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

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

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

Ref Sl No.	Description of Directive	Status of Compliance
	proper asset registers capturing all necessary details of the asset, including the costs incurred, date of commissioning, location of asset, and all other technical details are maintained for the ensuing years. However, the Licensee would also be required to clear the backlog in a time bound manner. Upon finalization of the Transfer Scheme and clearing of backlog, the Licensee may update the fixed asset registers appropriately by passing necessary adjustments.	
8	The Commission directs the Licensee to frame an appropriate policy on capitalization of (i) employee costs, and (ii) A&G expenses.	The Petitioner's policy on capitalization of (i) employee costs, and (ii) A&G expenses has been provided in the Notes on Accounts annexed with the audited accounts which is reproduced below: <i>"Due to multiplicity of functional units as well as multiplicity of function at particular unit, employee cost and general & administration expenses to capital works are capitalised @ 15% on distribution and deposit work, 11% on other works on the amount of total expenditure."</i>
9	The Commission directs the Licensee to submit Fresh Actuarial Valuation Study Report in respect to employee expenses.	The Petitioner submits that the matter would be taken up at UPPCL level as the employees of the Licensee are not its core employees but common employees across all 4 Discoms, UPPTCL and UPPCL.
11	As lack of approved transparent policy on identifying and writing off bad debts is hindering allowance of bad debts as an ARR component; the Commission directs the Licensee to submit ten sample cases of LT & HT consumers where orders have been issued for writing off bad debts, clearly depicting the procedure adopted for writing off bad debts along with policy framework for managing bad debts for the Commission's perusal.	The Petitioner submits that it has framed a policy for identifying and writing off old arrears and a copy of the same was submitted to the Hon'ble Commission during the proceedings in respect of ARR and Tariff Petition for FY 2014-15. Appropriate directions have been issued to the field units to compile the sample cases based on such order issued by the licensee.
14	The Commission directs the Licensee to conduct benchmarking studies to determine the desired performance standards in accordance with Clause 2.1.8	The Petitioner submits that as per the Uttar Pradesh Electricity Regulatory Commission (Multi Year Distribution Tariff) Regulations, 2014 the benchmarking studies have to be completed by

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

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

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


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

S. No	Description of Directive	Time Period for compliance	Status of Compliance
			31.12.2015 respectively. Accordingly, the same would be completed in the stipulated timeframe.
5	As regards the Commission's directives to submit a road map for 100% metering in its licensed area given in the Tariff Order dated 31 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.	3 months from issue of this Order	The Petitioner submits that the licensee is endeavouring to comply with the targets set by the Hon'ble Commission in terms of metering. The roadmap for 100% metering is under preparation and would be submitted within the stipulated timeline.
6	The Commission directs the Distribution Licensees to formulate a mechanism so as to make their officials accountable by providing incentives or disincentives for achievement or non-achievement of the distribution loss and the collection efficiency targets. The Policy should include all the relevant details pointed out by the Commission in this Order	Within 2 months from the issue of this Order	The Petitioner humbly seeks some more time to comply with the directives of the Hon'ble Commission. However presently monthly review meetings are been conducted in the form of teleconference wherein the progress for each division is been monitored
7	The Commission further directs the Petitioner to sign the MoUs to be implemented at all levels and submit the copy of the same to the Commission within 2 months from the date of this Order.	Within 2 months from the date of issuance of this Order	The Petitioner humbly seeks some more time to comply with the directives of the Hon'ble Commission.
8	The Commission directs the Petitioner to provide the actual power purchase data in the format specified by the Commission along with the ARR Petition for FY 2015-16.	Next ARR filing	The Petitioner humbly submits that it has enclosed a detailed power procurement plan for the ensuing year FY 2015-16 along with the ARR Petition.
9	As regards timely filing of FPPCA the Commission once again directs the Licensees that they should file FPPCA in a timely and regular manner in accordance	Immediate	The Petitioner states that a decision on the Petition filed towards clarification/modification of the FPPCA

S. No	Description of Directive	Time Period for compliance	Status of Compliance
	with the Distribution Tariff Regulations, 2006 failing which the Commission may have to resort to take strict action against the Licensees.		formula is still pending with the Hon'ble Commission. Once the final order of the Commission is issued, the Petitioner would file such submissions.
10	As regards the increasing number of unmetered consumers the Commission accords a final opportunity to the Distribution Licensees and directs them to ensure that all their unmetered consumers get converted into metered connection.	31 st March, 2015	The Petitioner is committed to the target set by the Hon'ble Commission in the Tariff Order for FY 2014-15 towards metering of consumers and is working towards it.
11	As regards the RPO Obligation the Licensees are directed to ensure that they procure renewable energy in accordance with Regulation 4 of the UPERC (Promotion of Green Energy through Renewable Purchase Obligation) Regulations, 2010 during FY 2014-15 to meet their obligation.	Next ARR filing	The Petitioner is procuring power from various renewable energy sources such as bagasse based co-generation plants, small hydro power stations, biomass based renewable energy plants, solar, etc with a view to promote green energy sources and compliance with the UPERC RPO Obligations.
12	As regards the choice of connection, the Licensee, in accordance with the provisions of the supply code wherein the consumer has the choice to opt the supplier, is directed to release connections to all such consumers who desire to disconnect their connections from the single point supplier and instead wish to take connections directly from the Licensee and submit the status report on the same along with next ARR filing	Next ARR filing	Wherever feasible (both technical and economical), the Petitioner is complying with the provisions of the Supply Code.
13	The Licensees are directed to provide the monthly MRI reports to all the applicable consumers through email. The consumers would be required to register their email	Immediate	The MRI reports are being provided to the consumers. The licensee has made a provision in the billing software and the MRI

S. No	Description of Directive	Time Period for compliance	Status of Compliance
	to the Licensee and submit the status report on the same along with next ARR filing		based computerized bills are being sent to the consumers on their emails.
14	As regards the Petition on minimum consumption charges, the Licensee is directed to re-submit its above proposal for the Commission's consideration.	Next ARR Filing	The Petitioner submits that the proposed changes in the minimum consumption charges would be provided along with the proposed rate schedule for FY 2015-16.
15	The Licensee is directed to file a separate Petition for approval of prior period expenses / incomes. The Petition should clearly indicate the head-wise year-wise bifurcation of prior period expenses / incomes clearly indicating the impact of such expenses / incomes on various ARR components, and such impact should not exceed the normative expenses for any particular year.	1 month from the date of issuance of this Order	<p>The Petitioner submits that the prior period expenses / incomes are recognised in the financial statements in compliance with the Accounting Standards (AS 5) (Revised) on 'Net Profit or Loss for the Period, Prior Period Items and Changes in Accounting Policies' which does not require year wise classification of prior period items. As there was no statutory requirement of classifying the prior items with respect to the each year to which they pertain, such information was not specifically depicted in the audited accounts.</p> <p>Considering this, the expenses and incomes which are omitted to be accounted for in one or more financial years are accounted for as and when such omissions or errors are detected.</p> <p>However, given the directive by the Hon'ble Commission, the Petitioner has instructed the field units to compile such information. The information made available by the field units</p>

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

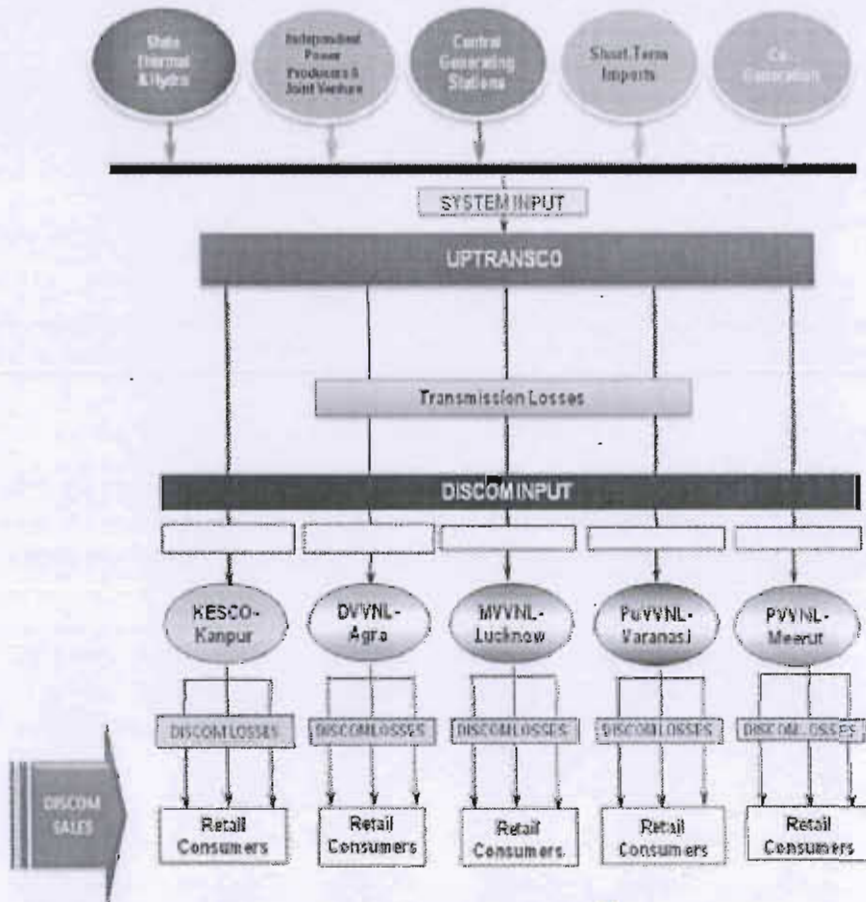

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6. LOAD FORECAST AND REVENUE ASSESSMENT

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

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

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



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6.1 DETAILED METHODOLOGY FOR LOAD FORECAST

6.1.1 OVERVIEW

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

6.1.2 METHODOLOGY

The following methodology was followed for Sales and Load Forecasting:

- a. Consumer category wise commercial data of each discom comprising Number of consumers/ Connected load (kW)/ Energy sales (billed energy): kWh, split between rural/urban consumers was tabulated for the years 2001-02 to 2006-07.
- b. Similar data for each consumer sub-category was tabulated for the years 2007-08 to 2013-14.
- c. 3 years' (2011-12 to 2013-14) compounded annual growth rate (CAGR) was determined for the following parameters consumer sub-category wise:
 - Number of consumers
 - Connected load: kW
 - Energy sales (billed energy): kWh
- d. CAGR for each of three major commercial parameters for 3/5/7/10 years was determined consumer category-wise.
- e. Running hour factor: Load shedding affects different consumer categories differently. Its effect was taken into account through a factor of present running hour supply and projected hour supply.

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

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

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

- b) Projecting the running hours supply;

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

Table 6-2: Projected Hours of Supply

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

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

a) Number of consumers:

Adopted appropriate value of CAGR in the following manner:

- Normally 3 years' CAGR of number of consumers (sub-category wise) was adopted
- Wherever calculated value of 3 years' CAGR of number of consumers seemed unreasonably high or low, the most reasonable calculated value between

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

- Applied the CAGR so adopted to determine forecasted values of number of consumers, taking 2013-14 as the base year.

b) Connected load:

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

c) Energy Sales:

i. LMV 1 & LMV 10 Consumer categories:

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

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

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

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

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

iv. Rural state tube wells:

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

Table 6-3: Consumption Determinant

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

Sr.No	Category of Un-Metered Consumer	Units	Consumption of Energy Per Month
5 -A	Street Light - Rural Area	KWh/KW	300
5 -B	Street Light - Urban Area	KWh/KW	360

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

a) **Connected Load:**

Forecasted value of connected load for a given sub-category for a given year was determined by applying the 3 years' CAGR of connected load calculated for the particular consumer sub-category, taking 2012-13 as the base year. Wherever the 3 years' CAGR appeared unreasonably high or low, the figure from amongst CAGR of connected load for a given consumer category calculated for 5/7/10 years that seemed most reasonable, was adopted as the CAGR to be used for forecasting. This value of CAGR was applied to all sub-categories comprising a given consumer category.

b) **Number of consumers:**

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

c) **Energy sales:**

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

6.1.3 CONSUMER SUB-CATEGORY WISE PROJECTIONS


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

6.1.4 CONNECTED LOAD SUB-CATEGORY WISE PROJECTIONS

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

6.1.5 SALES SUB-CATEGORY WISE PROJECTIONS

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


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6.1.6 PROJECTIONS FOR INPUT ENERGY

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

a. % Distribution Losses:

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

Table 6-4: Distribution Losses Trajectory

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

b. Transmission Losses:

Intra-state and inter-state transmission losses, to be added to the power delivered at the discoms at their input points to arrive at the energy required at the power plant bus bars, were taken as 5.18%.

c. Allocation of Additional Energy:

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

6.1.7 INPUT ENERGY REQUIREMENT

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

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

6.1.8 SALES FORECASTS FOR 2014-15 & 2014-16

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

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

The figures are tabulated below:

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Table 6-5: Energy Balance

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

6.2 SALES FORECAST

The year 2014-15 is expected to see a substantial jump in the total availability of energy at the source power plant bus bars at around 96,669 MU when compared to around 83,795 MU in 2013-14 for Uttar Pradesh as a whole. The demand of most consumer categories and discoms is presently constrained by availability which falls substantially short of demand. Hence, with increased availability of energy, the projected sales are expected to rise not only on account of natural load growth but also because of easing of supply constraints.

Total availability of energy for 2015-16 is around 1,08,707 MU. The projected sales will be impacted by normal load growth and increased hours of supply.

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a) LMV Consumers – Sub-category-wise

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

Table 6-6: LMV Consumers Growth Rate

SUPPLY TYPE	CATEGORY	CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
LMV--1		Rural					
		Urban					
	(A)	Consumer getting supply as per "Rural Schedule"					
		(i) Un-metered	10%	10%	8%	0%	10%
		(ii) Metered	20%	7%	-1%	0%	10%
	(B)	Supply at Single Point for Bulk Load	-59%	-63%	18%	0%	1%
	(C1)	Other Metered Domestic Consumers	4%	6%	7%	0%	4%
	(C2)	Life Line Consumers/BPL	-11%	76%	146%	0%	3%
SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)		7%	8%	7%	6%	
LMV--2		Rural					
		Urban					
	(A)	Consumer getting supply as per "Rural Schedule"					
		(i) Un-metered	5%	-17%	-12%	0%	5%
		(ii) Metered	-19%	-15%	-11%	0%	10%
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	-59%	75%	0%	0%	5%
	(C)	Other Metered Non-Domestic Supply	7%	6%	6%	0%	7%
SUB TOTAL	NON DOMESTIC LIGHT FAN & POWER (LMV-2)		2%	3%	4%	4%	
LMV--3	A	Rural					
		Urban					
	(A)	Un-metered Supply					
		(i) Gram Panchyat	34%	27%	13%	0%	3%
		(ii) Nagar Palika & Nagar Panchyat	9%	3%	3%	0%	5%
		(iii) Nagar Nigam	-3%	-14%	-21%	0%	10%
	(B)	Metered Supply					
		(i) Gram Panchyat	12%	163%	19%	0%	12%
		(ii) Nagar Palika & Nagar Panchyat	33%	21%	11%	0%	5%
		(iii) Nagar Nigam	8%	13%	18%	0%	5%
SUB TOTAL	PUBLIC LAMPS (LMV-3)		20%	15%	8%	-3%	
LMV--4	A	Rural	0%				0%

SUPPLY TYPE	CATEGORY	CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
		Urban	0%				0%
	B	Rural	0%				0%
		Urban	0%				0%
	(A)	Public Institution(4 A)	4%	18%	19%	0%	4%
	(B)	Private Institution(4 B)	3%	-2%	3%	0%	3%
SUB TOTAL	LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)		4%	13%	15%	11%	
LMV--5		Rural	0%				0%
		Urban	0%				0%
	(A)	Rural Schedule	0%				0%
		(i) Un metered Supply	2%	3%	3%	0%	2%
		(ii) Metered Supply	88%	47%	72%	0%	5%
	(B)	Urban Schedule					
		(i) Metered Supply	2%	3%	0%	0%	5%
SUB TOTAL	PRIVATE TUBE WELL/PUMPING SETS (LMV-5)		3%	4%	3%	4%	
LMV--6		Rural	0%				0%
		Urban	0%				0%
	(A)	Small & Medium Power (Power Loom)	0%				0%
		(i) Rural Schedule	-79%	-55%	-41%	0%	5%
		(ii) Urban Schedule	-16%	-19%	-16%	0%	5%
	(B)	Small & Medium Power	0%	0%	0%	0%	0%
		(i) Rural Schedule	2%	9%	9%	0%	3%
		(ii) Urban Schedule	9%	9%	11%	0%	9%
SUB TOTAL	SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)		3%	5%	6%	5%	
LMV--7		Rural	0%				0%
		Urban	0%				0%
	(A)	Rural Schedule	0%	0%	0%	0%	0%
		(i) Jal Nigam	-1%	6%	4%	0%	10%
		(ii) Jal Sansthan	-1%	-4%	-11%	0%	10%
		(iii) Others (Water Works)	10%	9%	15%	0%	10%
	(B)	Urban Schedule	0%	0%	0%	0%	0%
		(i) Jal Nigam	14%	16%	12%	0%	20%
		(ii) Jal Sansthan	20%	1%	5%	0%	12%
		(iii) Others (Water Works)	4%	9%	13%	0%	10%
SUB TOTAL	PUBLIC WATER WORKS(LMV-7)		5%	8%	11%	9%	
LMV--8		Rural	0%				0%
		Urban	0%				0%

SUPPLY TYPE	CATEGORY	CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
	(A)	Metered Supply	38%	1%	-4%	0%	5%
	(B)	Un-metered Supply					
		(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	3%	3%	2%	0%	3%
		(ii) Laghu Dal Nahar above 100 BHP	-100%	-100%	-100%	0%	0%
SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		3%	3%	1%	1%	
LMV--9		Rural	0%				0%
		Urban	0%				0%
	(A)	Metered Supply	0%	0%	0%	0%	0%
		(i) Individual Residential Consumers	-6%	89%	0%	0%	8%
		(ii) Others	0%	-100%	-100%	0%	0%
	(B)	Un-metered Supply	0%	0%	0%	0%	0%
		(i) Ceremonies	-48%	-23%	0%	0%	2%
		(ii) Temporary Shops	0%	-100%	-100%	0%	0%
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)		-6%	1%	8%	0%	
LMV--10	(A)	Serving	0%	0%	0%	0%	0%
		(i) Class IV Employees	-3%	3%	1%	0%	2%
		(ii) Class III Employees	-2%	-1%	0%	0%	8%
		(iii) Junior Engineers & Equivalent	1%	0%	2%	0%	4%
		(iv) Assistant Engineers & Equivalent	1%	0%	3%	0%	1%
		(v) Executive Engineers & Equivalent	1%	-24%	-15%	0%	1%
		(vi) Deputy General Manager & Equivalent	0%	0%	4%	0%	2%
		(vii) CGM/GM & Equivalent posts and above	159%	10%	43%	0%	5%
	(B)	Total Pensioner & Family Pensioner	3%	6%	4%	0%	3%
SUB TOTAL	DEPARTMENTAL EMPLOYEES (LMV-10)		1%	2%	2%	0%	1%

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:

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Table 6-7: HV Consumers Growth Rate

SUPPLY TYPE	CATEGORY	CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
HV--1		Rural	0%				0%
		Urban	0%				0%
	(A)	Urban Schedule	0%	0%	0%	0%	0%
		(i) For supply at 11kV	67%	28%	0%	0%	1%
		(ii) For supply above 11kV and upto & Including 66kV	72%	-1%	0%	0%	1%
		(iii) For supply above 66kV and upto & Including 132kV	0%	-100%	0%	0%	1%
		(iv) For supply above 132kV	0%	99%	0%	0%	5%
	(B)	Rural Schedule	0%	0%	0%	0%	0%
		(i) For supply at 11kV	192%	23%	0%	0%	5%
		(ii) For supply above 11kV and upto & Including 66kV	-100%	-100%	0%	0%	5%
SUB TOTAL	NON INDUSTRIAL BULK LOADS (HV-1)		51%	19%	0%	0%	
HV--2		Rural					0%
		Urban	0%				0%
	(A)	Urban Schedule	0%	0%	0%	0%	0%
		(i) For supply at 11kV	0%	10%	7%	0%	5%
		(ii) For supply above 11kV and upto & Including 66kV	-17%	4%	8%	0%	5%
		(iii) For supply above 66kV and upto & Including 132kV	80%	1%	44%	0%	20%
		(iv) For supply above 132kV	-5%	-4%	8%	0%	5%
	(B)	Rural Schedule	0%	0%	0%	0%	0%
		(i) For supply at 11kV	2%	-47%	-37%	0%	5%
		(ii) For supply above 11kV and upto & Including 66kV	-68%	-4%	-16%	0%	0%
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		-4%	8%	7%	12%	
HV--3		Rural	0%	0%	0%	0%	0%
		Urban	0%	0%	0%	0%	0%
	(A)	For supply at the above 132kV	-3%	138%	0%	0%	5%
	(B)	For supply below 132kV	0%	0%	0%	0%	0%
	(C)	For Metro Traction	0%	0%	0%	0%	0%
SUB TOTAL	RAILWAY TRACTION (HV-3)		13%	212%	0%	0%	
HV--4		Rural	0%				0%
		Urban	0%				0%
	(A)	For supply at 11kV	0%	0%	0%	0%	0%
	(B)	For supply above 11kV and upto 66kV	0%	0%	0%	0%	0%
	(C)	For supply above 66kV and upto 132kV	0%	0%	0%	0%	0%

SUPPLY TYPE	CATEGORY	CATEGORY	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)		0%	0%	0%	3%	
EXTRA STATE		Rural	0%				0%
		Urban	0%				0%
	(A)	EXTRA STATE & OTHERS	0%	0%	0%	0%	0%
SUB TOTAL	EXTRA STATE CONSUMERS		0%	0%	0%	0%	
BULK		Rural	0%				0%
		Urban	0%				0%
	(A)	NPCL	0%	0%	0%	0%	0%
	(B)	KESCO	0%	0%	0%	0%	0%
SUB TOTAL	BULK SUPPLY						
	GRAND TOTAL						

c) LMV Consumer Load

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

Table 6-8: Growth in LMV Consumer Load

SUPPLY TYPE		CATEGORY	Previous - 3	Previous - 2	Previous Year-1	Current Year	Assumed
LMV--1		Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	(A)	Consumer getting supply as per "Rural Schedule"	-	-	-	-	-
		(i) Un-metered	1.808	1.804	1.854	1.854	1.854
		(ii) Metered	1.804	1.748	2.094	1.681	1.681
	(B)	Supply at Single Point for Bulk Load	429.804	50.108	569.810	593.328	593.328
	(C1)	Other Metered Domestic Consumers	2.429	2.417	2.419	2.471	2.471
	(C2)	Life Line Consumers/BPL	0.974	0.973	1.011	1.024	1.024
SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)		2.118	2.104	2.162	2.172	2.172
LMV--2		Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	(A)	Consumer getting supply as per "Rural Schedule"	-	-	-	-	-
		(i) Un-metered	1.940	1.980	2.314	2.310	2.314
		(ii) Metered	3.118	3.137	3.456	2.557	3.456

SUPPLY TYPE		CATEGORY	Previous - 3	Previous - 2	Previous Year-1	Current Year	Assumed
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	2.290	2.337	2.326	2.176	2.176
	(C)	Other Metered Non-Domestic Supply	2.496	2.542	2.569	2.647	2.647
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	2.554	2.590	2.681	2.633	2.681
LMV--3	A	Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	(A)	Un-metered Supply	-	-	-	-	-
		(i) Gram Panchyat	3.056	2.123	1.220	7.144	7.144
		(ii) Nagar Palika & Nagar Panchyat	45.200	50.201	59.320	47.733	47.733
		(iii) Nagar Nigam	208.618	268.971	104.000	289.576	289.576
	(B)	Metered Supply	-	-	-	-	-
		(i) Gram Panchyat	-	31.188	11.350	11.350	11.350
		(ii) Nagar Palika & Nagar Panchyat	75.097	71.533	109.629	62.104	62.104
		(iii) Nagar Nigam	63.986	84.947	77.175	73.129	73.129
SUB TOTAL		PUBLIC LAMPS (LMV-3)	53.168	57.456	56.022	46.353	57.456
LMV--4	A	Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	B	Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	(A)	Public Institution(4 A)	6.177	5.399	5.307	5.147	5.284
	(B)	Private Institution(4 B)	8.381	8.335	7.502	10.414	10.414
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	6.539	5.861	5.741	5.961	5.741
LMV--5		Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	(A)	Rural Schedule	-	-	-	-	-
		(i) Un metered Supply	5.417	5.476	5.418	5.520	5.520
		(ii) Metered Supply	4.807	7.375	5.438	4.513	5.533
	(B)	Urban Schedule	-	-	-	-	-
		(i) Metered Supply	4.937	7.442	6.569	7.057	7.442
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	5.411	5.499	5.428	5.520	5.520
LMV--6		Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	(A)	Small & Medium Power (Power Loom)	-	-	-	-	-
		(i) Rural Schedule	8.953	10.890	8.661	33.394	8.661
		(ii) Urban Schedule	14.386	12.920	7.346	6.217	7.346
	(B)	Small & Medium Power	-	-	-	-	-

SUPPLY TYPE		CATEGORY	Previous - 3	Previous - 2	Previous Year-1	Current Year	Assumed
		(i) Rural Schedule	7.829	8.002	7.690	7.976	8.002
		(ii) Urban Schedule	13.353	12.743	13.633	13.299	13.633
SUB TOTAL	SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)		12.263	11.917	12.200	12.183	12.263
LMV--7		Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	(A)	Rural Schedule	-	-	-	-	-
		(i) Jal Nigam	22.379	26.826	21.780	22.660	26.826
		(ii) Jal Sansthan	20.238	20.165	19.103	19.021	20.238
		(iii) Others (Water Works)	30.874	29.152	28.688	26.616	26.616
	(B)	Urban Schedule	-	-	-	-	-
		(i) Jal Nigam	58.229	49.867	60.101	80.787	80.787
		(ii) Jal Sansthan	22.556	27.946	28.198	24.496	28.198
		(iii) Others (Water Works)	30.354	32.135	33.188	34.248	34.248
SUB TOTAL	PUBLIC WATER WORKS(LMV-7)		30.195	31.689	32.950	34.311	34.311
LMV--8		Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	(A)	Metered Supply	12.959	14.404	13.949	13.812	14.404
	(B)	Un-metered Supply	-	-	-	-	-
		(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	13.179	13.461	13.458	13.517	13.517
		(ii) Laghu Dal Nahar above 100 BHP	11.644	7.882	-	-	7.882
SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		13.150	13.413	13.488	13.535	13.535
LMV--9		Rural	-	-	-	-	-
		Urban	-	-	-	-	-
	(A)	Metered Supply	-	-	-	-	-
		(i) Individual Residential Consumers	26.586	29.595	18.794	7.926	18.794
		(ii) Others	-	-	-	-	-
	(B)	Un-metered Supply	-	-	-	-	-
		(i) Ceremonies	7.158	10.091	20.000	3.333	20.000
		(ii) Temporary Shops	-	-	-	-	-
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)		24.810	29.355	18.796	7.908	20.217
LMV--10	(A)	Serving	-	-	-	-	-
		(i) Class IV Employees	3.525	3.428	106.251	3.479	106.251
		(ii) Class III Employees	3.226	3.486	3.760	3.858	3.858
		(iii) Junior Engineers & Equivalent	3.749	4.138	4.003	4.120	4.138
		(iv) Assistant Engineers & Equivalent	4.283	4.285	4.593	4.682	4.682
		(v) Executive Engineers &	4.822	4.823	4.970	5.084	5.084

SUPPLY TYPE		CATEGORY	Previous - 3	Previous - 2	Previous Year-1	Current Year	Assumed
		Equivalent					
		(vi) Deputy General Manager & Equivalent	4.844	4.742	4.871	4.871	4.871
		(vii) CGM/GM & Equivalent posts and above	4.000	4.000	4.000	2.522	4.000
	(B)	Total Pensioner & Family Pensioner	3.131	3.143	3.136	3.184	3.184
SUB TOTAL	DEPARTMENTAL EMPLOYEES (LMV-10)		3.299	3.361	22.443	3.493	22.443

अधीक्षण अभियन्ता (वाणिज्य)
पश्चिमींचल विद्युत वितरण निगम लि०
मेरठ

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

		Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis						
SUPPLY TYPE	CATEGORY	Previous - 3	Previous - 2	Previous Year-1	Current Year	Max between last 4 years	Previous - 3	Previous - 2	Previous Year-1	Current Year	Max between last 4 years	Unmetered	Assumed
LMV-1	Rural	-	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-	-
(A)	Consumer getting supply as per "Rural Schedule"	-	-	-	-	-	-	-	-	-	-	-	-
	(i) Un-metered	1,463	1,495	1,454	1,635	1,635	809	829	784	882	882	1,296	1,296
	(ii) Metered	1,327	1,722	1,248	1,039	1,722	735	985	596	618	985	985	985
(B)	Supply at Single Point for Bulk Load	534,752	72,654	606,229	880,424	880,424	1,244	1,450	1,064	1,484	1,484	1,064	1,064
(C1)	Other Metered Domestic Consumers	2,135	2,178	2,431	2,564	2,564	879	901	1,005	1,038	1,038	2,564	2,564
(C2)	Life Line Consumers/BPL	892	1,134	1,097	1,092	1,134	916	1,164	1,086	1,067	1,164	1,164	1,164
SUB TOTAL LMV-2	DOMESTIC LIGHT FAN & POWER (LMV-1)	1,815	1,889	1,922	2,113	-	-	-	-	-	-	-	-
	Rural	-	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-	-
(A)	Consumer getting supply as per "Rural Schedule"	-	-	-	-	-	-	-	-	-	-	-	-
	(i) Un-metered	2,024	1,540	1,606	1,996	2,024	1,043	778	694	864	1,043	1,296	1,296
	(ii) Metered	4,104	4,368	3,307	5,100	5,100	1,316	1,393	957	1,995	1,995	1,995	1,995
(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	374	1,832	2,347	9,052	9,052	163	784	1,009	4,159	4,159	1,009	1,009
(C)	Other Metered Non-Domestic Supply	2,569	2,923	2,968	2,800	2,968	1,029	1,150	1,155	1,058	1,155	1,155	1,155
SUB TOTAL	NON DOMESTIC LIGHT FAN & POWER (LMV-2)	2,649	3,010	2,973	3,000	-	-	-	-	-	-	-	-

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis					Assumed
		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	
LMV--3	A											
	Rural	-	-	-	-	-	-	-	-	-	-	
	Urban	-	-	-	-	-	-	-	-	-	-	
(A)	Un-metered Supply	-	-	-	-	-	-	-	-	-	-	
	(i) Gram Panchayat	7,142	4,115	4,568	17,776	17,776	2,337	1,938	3,743	2,488	3,743	3,600
	(ii) Nagar Palika & Nagar Panchayat	144,624	194,444	242,789	166,715	242,789	3,200	3,873	4,093	3,493	4,093	4,320
(B)	(iii) Nagar Nigam	454,709	885,714	241,150	864,636	885,714	2,180	3,293	2,319	2,986	3,293	4,320
	Metered Supply	-	-	-	-	-	-	-	-	-	-	
	(i) Gram Panchayat	-	-	30,300	120,400	120,400	-	-	2,670	10,608	10,608	10,608
SUB TOTAL LMV--4	(ii) Nagar Palika & Nagar Panchayat	292,065	304,348	423,414	243,730	423,414	3,889	4,255	3,862	3,925	4,255	4,255
	(iii) Nagar Nigam	264,581	283,186	324,255	273,186	324,255	4,135	3,334	4,202	3,736	4,202	4,202
	PUBLIC LAMPS (LMV-3)	177,888	201,058	201,435	164,351		-	-	-	-	-	
LMV--4	A											
	Rural	-	-	-	-	-	-	-	-	-	-	
	Urban	-	-	-	-	-	-	-	-	-	-	
B	Rural	-	-	-	-	-	-	-	-	-	-	
	Urban	-	-	-	-	-	-	-	-	-	-	
(A)	Public Institution(4 A)	16,735	16,478	15,875	13,432	16,735	2,709	3,052	2,991	2,610	3,052	3,052
	Private Institution(4 B)	14,224	16,757	12,259	18,746	18,746	1,697	2,010	1,634	1,800	2,010	2,010
	LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	16,323	16,522	15,159	14,253		2,496	2,819	2,640	2,391		
LMV--5	Rural	-	-	-	-	-	-	-	-	-	-	
	Urban	-	-	-	-	-	-	-	-	-	-	
	Rural Schedule	-	-	-	-	-	-	-	-	-	-	
(A)	(i) Un metered Supply	5,685	5,940	5,882	6,588	6,588	1,049	1,085	1,086	1,193	1,193	1,650
	(ii) Metered Supply	11,620	5,534	37,205	3,348	37,205	2,417	750	6,841	742	6,841	6,841
	Urban Schedule	-	-	-	-	-	-	-	-	-	-	

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis					Assumed
		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	
SUB TOTAL LMV-6	(i) Metered Supply	8,027	9,022	7,375	11,974	11,974	1,626	1,212	1,123	1,697	1,697	1,697
	PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	5,712	5,964	5,921	6,592		1,056	1,085	1,091	1,194		
	Rural	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL LMV-7	(A) Small & Medium Power (Power Loom)	-	-	-	-	-	-	-	-	-	-	-
	(i) Rural Schedule	12,624	14,808	13,624	79,636	79,636	1,410	1,360	1,573	2,385	2,385	2,385
	(ii) Urban Schedule	21,764	22,663	19,246	18,586	22,663	1,513	1,754	2,620	2,990	2,990	2,990
	Small & Medium Power	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL LMV-8	(i) Rural Schedule	8,799	10,636	9,523	9,713	10,636	1,124	1,329	1,238	1,218	1,329	1,218
	(ii) Urban Schedule	19,911	19,043	19,057	19,042	19,911	1,491	1,494	1,398	1,432	1,494	1,494
	SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	17,767	17,775	17,354	17,698		1,449	1,492	1,422	1,453		
	Rural	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL LMV-9	Urban	-	-	-	-	-	-	-	-	-	-	-
	(A) Rural Schedule	-	-	-	-	-	-	-	-	-	-	-
	(i) Jal Nigam	33,808	63,158	58,686	51,686	63,158	1,511	2,354	2,694	2,281	2,694	2,694
	(ii) Jal Sansthan	41,667	25,316	53,353	102,106	102,106	2,059	1,255	2,793	5,368	5,368	5,368
SUB TOTAL LMV-10	(iii) Others (Water Works)	53,764	52,133	55,684	62,522	62,522	1,741	1,788	1,941	2,349	2,349	2,349
	Urban Schedule	-	-	-	-	-	-	-	-	-	-	-
	(i) Jal Nigam	186,104	161,905	161,870	226,846	226,846	3,196	3,247	2,693	2,808	3,247	3,247
	(ii) Jal Sansthan	51,636	107,527	76,000	84,852	107,527	2,289	3,848	2,695	3,464	3,848	3,848
SUB TOTAL LMV-11	(iii) Others (Water Works)	106,144	101,545	110,880	117,668	117,668	3,497	3,160	3,341	3,436	3,497	3,497
	PUBLIC WATER WORKS (LMV-7)	94,386	94,779	102,513	111,537		3,126	2,991	3,111	3,251		
	Rural	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis					Assumed
		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	
(A)	Metered Supply	43,890	74,534	45,463	55,019	74,534	3,387	5,175	3,259	3,984	5,175	3,984
(B)	Un-metered Supply	-	-	-	-	-	-	-	-	-	-	-
	(i) STW, Panchayat Raj, WB, L.Duch, P.Canals, LI upto 100 BHP	42,616	43,229	45,437	49,187	49,187	3,234	3,212	3,376	3,639	3,639	64,122
	(ii) Laghu Dal Nahar above 100 BHP	31,511	2,353	-	-	31,511	2,706	299	-	-	2,706	64,122
SUB TOTAL LMV-9	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP (LMV-8)	42,588	43,704	45,501	49,586	-	3,239	3,258	3,374	3,664	-	-
	Rural	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-
(A)	Metered Supply	-	-	-	-	-	-	-	-	-	-	-
	(i) Individual Residential Consumers	17,314	31,746	52,165	6,652	52,165	651	1,073	2,776	839	2,776	2,776
	(ii) Others	-	-	-	-	-	-	-	-	-	-	-
(B)	Un-metered Supply	-	-	-	-	-	-	-	-	-	-	-
	(i) Ceremonies	7,706	-	65,000	9,333	65,000	1,076	-	3,250	2,800	3,250	3,250
	(ii) Temporary Shops	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL LMV-10	TEMPORARY SUPPLY (LMV-9)	16,436	31,355	52,190	6,662	-	662	1,068	2,777	842	-	-
(A)	Serving	-	-	-	-	-	-	-	-	-	-	-
	(i) Class IV Employees	2,658	3,474	4,936	4,290	4,936	754	1,013	46	1,233	1,233	4,290
	(ii) Class III Employees	4,588	4,203	4,133	4,217	4,588	1,422	1,206	1,099	1,093	1,422	4,217
	(iii) Junior Engineers & Equivalent	5,706	6,504	6,102	6,049	6,504	1,522	1,572	1,524	1,468	1,572	6,049
	(iv) Assistant Engineers & Equivalent	8,413	10,676	8,661	8,979	10,676	1,964	2,492	1,886	1,918	2,492	8,979
	(v) Executive Engineers &	14,645	12,195	8,952	9,952	14,645	3,037	2,528	1,801	1,958	3,037	9,952

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis					Assumed
		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	
	Equivalent											
	(vi) Deputy General Manager & Equivalent	12,813	-	11,645	11,806	12,813	2,645	-	2,391	2,424	2,645	11,806
	(vii) CGM/GM & Equivalent posts and above	38,100	-	51,500	4,597	51,500	9,525	-	12,875	1,822	12,875	4,597
	(B) Total Pensioner & Family Pensioner	4,784	5,589	5,347	5,846	5,846	1,528	1,778	1,705	1,836	1,836	5,846
SUB TOTAL HV--1	DEPARTMENTAL EMPLOYEES (LMIV-10)	4,434	4,902	5,045	5,186	-	1,344	1,459	225	1,485	-	-
	Rural	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-
	(A) Urban Schedule	-	-	-	-	-	-	-	-	-	-	-
	(i) For supply at 11kV	725,218	640,506	594,804	550,652	725,218	1,936	1,760	1,713	1,135	1,135	1,135
	(ii) For supply above 11kV and upto & Including 66kV	891,130	13,333,333	6,629,333	5,171,905	13,333,333	1,440	5,371	3,867	1,231	5,371	5,371
	(iii) For supply above 66kV and upto & Including 132kV	1,644,500	-	-	-	1,644,500	1,471	-	-	-	1,471	1,471
	(iv) For supply above 132kV	-	-	15,453,000	12,854,000	15,453,000	-	-	572	476	572	572
	(B) Rural Schedule	-	-	-	-	-	-	-	-	-	-	-
	(i) For supply at 11kV	153,630	93,500,000	8,678,857	2,192,042	93,500,000	705	415,556	5,695	13,747	415,556	13,747
	(ii) For supply above 11kV and upto & Including 66kV	3,435,692	8,846,154	735,508	-	8,846,154	831	2,138	558	-	2,138	558
SUB TOTAL HV--2	NON INDUSTRIAL BULK LOADS (HV-1)	475,718	1,694,313	816,630	736,944	-	1,260	3,140	1,505	1,236	-	-
	Rural	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-
	(A) Urban Schedule	-	-	-	-	-	-	-	-	-	-	-

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis					Assumed
		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	
	(i) For supply at 11kV	603,107	563,354	649,541	683,221	683,221	2,132	1,873	2,151	2,438	2,438	2,438
	(ii) For supply above 11kV and upto & including 66kV	8,415,546	6,115,385	11,036,483	7,801,679	11,036,483	3,619	3,206	3,720	3,629	3,720	3,720
	(iii) For supply above 66kV and upto & including 132kV	43,226,500	38,500,000	37,564,000	24,420,000	43,226,500	5,137	4,575	2,571	2,693	5,137	5,137
	(iv) For supply above 132kV	99,538,000	165,000,000	169,348,000	166,039,000	169,348,000	3,675	6,092	6,947	6,812	6,947	6,947
	(B) Rural Schedule	-	-	-	-	-	-	-	-	-	-	-
	(i) For supply at 11kV	15,935,857	6,666,667	507,600	10,306,000	15,935,857	94,295	54,645	2,636	81,363	94,295	81,363
	(ii) For supply above 11kV and upto & including 66kV	-	3,500,000	1,708,500	6,233,500	6,233,500	-	333	1,627	5,937	5,937	5,937
SUB TOTAL HV-3	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	1,142,307	982,762	1,031,202	1,025,729	1,025,729	2,766	2,343	2,584	2,790	2,790	2,790
	Rural	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-
	(A) For supply at the above 132kV	11,564,500	12,500,000	16,076,000	20,540,000	20,540,000	2,570	3,247	2,233	2,853	3,247	3,247
	(B) For supply below 132kV	-	-	7,640,000	7,934,000	7,934,000	-	-	1,528	1,587	1,587	1,587
	(C) For Metro Traction	-	17,000,000	27,510,000	29,117,000	29,117,000	-	1,889	3,057	3,235	3,235	3,235
SUB TOTAL HV-4	RAILWAY TRACTION (HV-3)	11,564,500	15,333,333	17,075,333	19,197,000	19,197,000	2,570	2,754	2,416	2,717	2,717	2,717
	Rural	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-
	(A) For supply at 11kV	58,000	-	112,000	173,500	173,500	373	-	720	1,116	1,116	1,116
	(B) For supply above 11kV and upto 66kV	-	-	-	-	-	-	-	-	-	-	-
	(C) For supply above 66kV and upto 132kV	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)	58,000	-	112,000	765,500	765,500	373	-	720	4,923	4,923	4,923

SUPPLY TYPE	CATEGORY	Per Capita Consumption / Consumer					Per Capita Consumption on Load Basis					Unmetered	Assumed
		Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years	Previous -3	Previous -2	Previous Year-1	Current Year	Max between last 4 years		
EXTRA STATE	Rural	-	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-	-
	EXTRA STATE & OTHERS	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL	EXTRA STATE CONSUMERS	-	-	-	-	-	-	-	-	-	-	-	-
BULK	Rural	-	-	-	-	-	-	-	-	-	-	-	-
	Urban	-	-	-	-	-	-	-	-	-	-	-	-
	(A) NPCL	316,373,000	337,000,000	350,896,000	360,366,000	360,366,000	7,031	7,489	7,798	8,008	8,008	-	8,008
	(B) KESCO	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL	BULK SUPPLY	316,373,000	337,000,000	350,896,000	360,366,000	360,366,000	7,031	7,489	7,798	8,008	8,008	-	8,008
	GRAND TOTAL	4,331	4,548	4,499	4,663	4,663	1,297	1,351	1,294	1,392	1,392	-	-

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e) Consumer Sub-category wise Projections

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

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

SUPPLY TYPE		CATEGORY	2013-14	2014-15	2015-16
LMV--1		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	1,278,688	1,150,819	895,082
		(ii) Metered	248,340	494,380	1,340,973
	(B)	Supply at Single Point for Bulk Load	335	338	342
	(C1)	Other Metered Domestic Consumers	1,565,976	1,628,615	1,693,760
	(C2)	Life Line Consumers/BPL	118,274	121,822	125,477
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	3,211,613	3,395,975	4,055,633
LMV--2		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	4,326	4,542	4,769
		(ii) Metered	23,791	26,170	28,787
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	2,898	3,043	3,195
	(C)	Other Metered Non-Domestic Supply	316,604	338,766	362,480
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	347,619	372,522	399,231
LMV--3	A	Rural			
		Urban			
	(A)	Un-metered Supply			
		(i) Gram Panchyat	438	451	465
		(ii) Nagar Palika & Nagar Panchyat	172	181	190
		(iii) Nagar Nigam	33	36	40
	(B)	Metered Supply			
		(i) Gram Panchyat	20	22	25
		(ii) Nagar Palika & Nagar Panchyat	163	171	180
		(iii) Nagar Nigam	263	276	290
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,089	1,138	1,189
LMV--4	A	Rural			
		Urban			

SUPPLY TYPE		CATEGORY	2013-14	2014-15	2015-16
	B	Rural			
		Urban			
	(A)	Public Institution(4 A)	11,763	12,234	12,723
	(B)	Private Institution(4 B)	2,151	2,216	2,282
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	13,914	14,449	15,005
LMV--5		Rural			
		Urban			
	(A)	Rural Schedule			
		(i) Un metered Supply	361,896	361,896	361,896
		(ii) Metered Supply	4,491	4,716	4,951
	(B)	Urban Schedule			
		(i) Metered Supply	2,988	3,137	3,294
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	369,375	369,749	370,142
LMV--6		Rural			
		Urban			
	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	99	104	109
		(ii) Urban Schedule	2,465	2,588	2,718
	(B)	Small & Medium Power			
		(i) Rural Schedule	8,061	8,303	8,552
		(ii) Urban Schedule	41,691	45,443	49,533
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	52,316	56,438	60,912
LMV--7		Rural			
		Urban			
	(A)	Rural Schedule			
		(i) Jal Nigam	188	207	227
		(ii) Jal Sansthan	47	52	57
		(iii) Others (Water Works)	255	281	309
	(B)	Urban Schedule			
		(i) Jal Nigam	136	163	196
		(ii) Jal Sansthan	135	151	169
		(iii) Others (Water Works)	1,976	2,174	2,391
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	2,737	3,027	3,349
LMV--8		Rural			
		Urban			
	(A)	Metered Supply	308	323	340
	(B)	Un-metered Supply			

SUPPLY TYPE		CATEGORY	2013-14	2014-15	2015-16
		(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	4,771	4,894	5,020
		(ii) Laghu Dal Nahar above 100 BHP	-	-	-
SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		5,079	5,218	5,360
LMV--9		Rural			
		Urban			
	(A)	Metered Supply			
		(i) Individual Residential Consumers	1,559	1,684	1,818
		(ii) Others	-	-	-
	(B)	Un-metered Supply			
		(i) Ceremonies	6	6	6
		(ii) Temporary Shops	-	-	-
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)		1,565	1,690	1,825
LMV--10	(A)	Serving			
		(i) Class IV Employees	3,831	3,908	3,986
		(ii) Class III Employees	6,174	6,668	7,201
		(iii) Junior Engineers & Equivalent	632	657	684
		(iv) Assistant Engineers & Equivalent	289	292	295
		(v) Executive Engineers & Equivalent	167	169	170
		(vi) Deputy General Manager & Equivalent	31	32	32
		(vii) CGM/GM & Equivalent posts and above	67	70	74
	(B)	Total Pensioner & Family Pensioner	10,326	10,675	11,037
SUB TOTAL	DEPARTMENTAL EMPLOYEES (LMV-10)		21,517	22,471	23,479
HV--1		Rural			
		Urban			
	(A)	Urban Schedule			
		(i) For supply at 11kV	824	832	841
		(ii) For supply above 11kV and upto & Including 66kV	21	21	21
		(iii) For supply above 66kV and upto & Including 132kV	-	-	-
		(iv) For supply above 132kV	1	1	1
	(B)	Rural Schedule			
		(i) For supply at 11kV	24	25	26
		(ii) For supply above 11kV and upto & Including 66kV	-	-	-
SUB TOTAL	NON INDUSTRIAL BULK LOADS (HV-1)		870	880	890

SUPPLY TYPE		CATEGORY	2013-14	2014-15	2015-16
HV--2		Rural			
		Urban			
	(A)	Urban Schedule			
	(i)	For supply at 11kV	5,138	5,395	5,665
	(ii)	For supply above 11kV and upto & Including 66kV	209	219	230
	(iii)	For supply above 66kV and upto & Including 132kV	6	7	9
	(iv)	For supply above 132kV	1	1	1
	(B)	Rural Schedule			
	(i)	For supply at 11kV	3	3	3
	(ii)	For supply above 11kV and upto & Including 66kV	2	2	2
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		5,359	5,628	5,910
HV--3		Rural			
		Urban			
	(A)	For supply at the above 132kV	1	1	1
	(B)	For supply below 132kV	1	1	1
	(C)	For Metro Traction	1		
SUB TOTAL	RAILWAY TRACTION (HV-3)		3	2	2
HV--4		Rural			
		Urban			
	(A)	For supply at 11kV	2	2	2
	(B)	For supply above 11kV and upto 66kV	-	-	-
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)		2	2	2
EXTRA STATE		Rural			
		Urban			
	(A)	EXTRA STATE & OTHERS	-	-	-
SUB TOTAL	EXTRA STATE CONSUMERS		-	-	-
BULK		Rural			
		Urban			
	(A)	NPCL	1	1	1
	(B)	KESCO	-	-	-
SUB TOTAL	BULK SUPPLY		1	1	1
	GRAND TOTAL		4,033,059	4,249,188	4,942,929

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

SUPPLY TYPE		CATEGORY	2013-14	2015-16	2016-17
LMV--1		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	2,370,075	2,370,075	2,370,075
		(ii) Metered	417,564	831,261	2,254,740
	(B)	Supply at Single Point for Bulk Load	198,765	200,753	202,760
	(C1)	Other Metered Domestic Consumers	3,869,174	4,023,941	4,184,899
	(C2)	Life Line Consumers/BPL	121,064	124,696	128,437
	SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)	6,976,642	7,550,725	9,140,911
LMV--2		Rural			
		Urban			
	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	9,994	9,994	9,994
		(ii) Metered	60,824	90,434	99,478
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	6,307	6,622	6,953
	(C)	Other Metered Non-Domestic Supply	838,196	896,870	959,651
	SUB TOTAL	NON DOMESTIC LIGHT FAN & POWER (LMV-2)	915,321	1,003,920	1,076,076
LMV--3	A	Rural			
		Urban			
	(A)	Un-metered Supply			
		(i) Gram Panchyat	3,129	3,129	3,129
		(ii) Nagar Palika & Nagar Panchyat	8,210	8,210	8,210
		(iii) Nagar Nigam	9,556	9,556	9,556
	(B)	Metered Supply			
		(i) Gram Panchyat	227	254	285
		(ii) Nagar Palika & Nagar Panchyat	10,123	10,629	11,161
		(iii) Nagar Nigam	19,233	20,195	21,204
	SUB TOTAL	PUBLIC LAMPS (LMV-3)	50,478	51,973	53,545
LMV--4	A	Rural			
		Urban			
	B	Rural			
		Urban			
	(A)	Public Institution(4 A)	60,540	64,645	67,231

SUPPLY TYPE		CATEGORY	2013-14	2015-16	2016-17
	(B)	Private Institution(4 B)	22,400	23,072	23,764
SUB TOTAL		LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	82,940	87,717	90,995
LMV--5		Rural			
		Urban			
	(A)	Rural Schedule			
	(i)	Un metered Supply	1,997,717	1,997,717	1,997,717
	(ii)	Metered Supply	20,268	26,093	27,397
	(B)	Urban Schedule			
	(i)	Metered Supply	21,086	23,349	24,516
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	2,039,071	2,047,158	2,049,630
LMV--6		Rural			
		Urban			
	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	3,306	900	945
	(ii)	Urban Schedule	15,324	19,014	19,965
	(B)	Small & Medium Power			
	(i)	Rural Schedule	64,292	66,443	68,436
	(ii)	Urban Schedule	554,459	619,508	675,264
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	637,381	705,865	764,610
LMV--7		Rural			
		Urban			
	(A)	Rural Schedule			
	(i)	Jal Nigam	4,260	5,548	6,102
	(ii)	Jal Sansthan	894	1,046	1,151
	(iii)	Others (Water Works)	6,787	7,466	8,212
	(B)	Urban Schedule			
	(i)	Jal Nigam	10,987	13,184	15,821
	(ii)	Jal Sansthan	3,307	4,264	4,775
	(iii)	Others (Water Works)	67,675	74,443	81,887
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	93,910	105,950	117,949
LMV--8		Rural			
		Urban			
	(A)	Metered Supply	4,254	4,658	4,891
	(B)	Un-metered Supply			
	(i)	STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	64,489	66,153	67,860
	(ii)	Laghu Dal Nahar above 100 BHP	-	-	-
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	68,743	70,811	72,751

SUPPLY TYPE		CATEGORY	2013-14	2015-16	2016-17
LMV--9		Rural			
		Urban			
	(A)	Metered Supply			
		(i) Individual Residential Consumers	12,356	31,643	34,175
		(ii) Others	-	-	-
	(B)	Un-metered Supply			
		(i) Ceremonies	20	122	125
		(ii) Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	12,376	31,766	34,300
LMV--10	(A)	Serving			
		(i) Class IV Employees	13,328	415,187	423,491
		(ii) Class III Employees	23,822	25,728	27,786
		(iii) Junior Engineers & Equivalent	2,604	2,720	2,829
		(iv) Assistant Engineers & Equivalent	1,353	1,367	1,380
		(v) Executive Engineers & Equivalent	849	857	866
		(vi) Deputy General Manager & Equivalent	151	154	157
		(vii) CGM/GM & Equivalent posts and above	169	281	295
	(B)	Total Pensioner & Family Pensioner	32,879	33,992	35,142
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	75,155	480,286	491,946
HV--1		Rural			
		Urban			
	(A)	Urban Schedule			
		(i) For supply at 11kV	399,613	403,609	407,645
		(ii) For supply above 11kV and upto & Including 66kV	88,233	89,115	90,006
		(iii) For supply above 66kV and upto & Including 132kV	-	-	-
		(iv) For supply above 132kV	27,000	28,350	29,768
	(B)	Rural Schedule			
		(i) For supply at 11kV	3,827	4,018	4,219
		(ii) For supply above 11kV and upto & Including 66kV	-	-	-
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	518,673	525,093	531,638
HV--2		Rural			
		Urban			
	(A)	Urban Schedule			
		(i) For supply at 11kV	1,439,980	1,511,979	1,587,578
		(ii) For supply above 11kV and upto & Including 66kV	449,269	471,732	495,319
		(iii) For supply above 66kV and upto &	54,414	65,297	78,356

SUPPLY TYPE		CATEGORY	2013-14	2015-16	2016-17
		Including 132kV			
		(iv) For supply above 132kV	24,376	25,595	26,875
	(B)	Rural Schedule			
		(i) For supply at 11kV	380	399	419
		(ii) For supply above 11kV and upto & Including 66kV	2,100	2,100	2,100
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)		1,970,519	2,077,102	2,190,647
HV--3		Rural			
		Urban			
	(A)	For supply at the above 132kV	7,200	7,560	7,938
	(B)	For supply below 132kV	5,000	5,000	5,000
	(C)	For Metro Traction	9,000	9,000	9,000
SUB TOTAL	RAILWAY TRACTION (HV-3)		21,200	21,560	21,938
HV--4		Rural			
		Urban			
	(A)	For supply at 11kV	311	311	311
	(B)	For supply above 11kV and upto 66kV	-	-	-
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)		311	311	311
EXTRA STATE		Rural			
		Urban			
	(A)	EXTRA STATE & OTHERS	-	-	-
SUB TOTAL	EXTRA STATE CONSUMERS		-	-	-
BULK		Rural			
		Urban			
	(A)	NPCL	45,000	45,000	45,000
	(B)	KESCO	-	-	-
SUB TOTAL	BULK SUPPLY		45,000	45,000	45,000
	GRAND TOTAL		13,507,720	14,805,238	16,682,247

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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

Meerut Discom	SUPPLY TYPE	CATEGORY	Projected Sales				Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
			2013-14	2014-15	2015-16		2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
LMV--1		Rural										
		Urban										
	(A)	Consumer getting supply as per "Rural Schedule"										
		(i) Un-metered	2,090	3,072	3,072		2,090		3,072	2,090	3,072	3,072
		(ii) Metered	258	487	1,321		258		1,399	258	502	1,399
	(B)	Supply at Single Point for Bulk Load	295	0	0		295		0	295	0	0
SUB TOTAL LMV--2	(C1)	Other Metered Domestic Consumers	4,015	4,176	4,343		4,015		4,525	4,113	4,269	4,525
	(C2)	Life Line Consumers/BPL	129	142	146		129		154	129	146	154
		DOMESTIC LIGHT FAN & POWER (LMV-1)	6,787	7,877	8,882		6,787		9,150	6,885	7,989	9,150
		Rural										
		Urban										
	(A)	Consumer getting supply as per "Rural Schedule"										
		(i) Un-metered	9	13	13		9		13	9	13	13
		(ii) Metered	121	180	198		121		208	121	185	208
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	26	7	7		26		7	26	7	7
SUB TOTAL LMV--3	(C)	Other Metered Non-Domestic Supply	887	1,036	1,109		887		1,158	887	1,060	1,158
		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	1,043	1,236	1,327		1,043		1,387	1,043	1,265	1,387
	A	Rural										
(A)		Urban										
		Un-metered Supply										

Meerut Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
	(i) Gram Panchyat	8	11	11	8		11	8	11	11
	(ii) Nagar Palika & Nagar Panchyat	29	35	35	29		35	29	35	35
	(iii) Nagar Nigam	29	41	41	29		41	29	41	41
(B)	Metered Supply									
	(i) Gram Panchyat	2	3	3	2		3	2	3	3
	(ii) Nagar Palika & Nagar Panchyat	40	45	47	40		50	40	47	50
	(iii) Nagar Nigam	72	85	89	72		92	72	86	92
SUB TOTAL	PUBLIC LAMPS (LMV-3)	179	221	228	179		234	179	224	234
LMV-4	Rural									
	Urban									
	Rural									
	Urban									
(A)	Public Institution(4 A)	158	197	205	158		216	158	203	216
(B)	Private Institution(4 B)	40	46	48	40		50	40	47	50
SUB TOTAL	LIGHT, FAN & POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)	198	244	253	198		266	198	250	266
LMV-5	Rural									
	Urban									
(A)	Rural Schedule									
	(i) Un metered Supply	2,384	3,296	3,296	2,384		3,296	2,384	3,296	3,296
	(ii) Metered Supply	15	179	187	15		187	15	179	187
(B)	Urban Schedule									
	(i) Metered Supply	36	40	42	36		42	36	40	42
SUB TOTAL	PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	2,435	3,514	3,525	2,435		3,525	2,435	3,514	3,525
LMV-6	Rural									
	Urban									

Meerut Discom		Projected Sales				Projected (Impact of Running Hours on Sales)				Projected (Impact of Demand Side Management on Sales)			
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2015-16	2013-14	2015-16	2013-14	2015-16	2013-14	2015-16	
(A)	Small & Medium Power (Power Loom)												
	(i) Rural Schedule	8	2	2	8	2	8	2	8	2	8	2	
	(ii) Urban Schedule	46	57	60	46	62	46	62	46	58	62	62	
(B)	Small & Medium Power												
	(i) Rural Schedule	78	81	83	78	88	78	88	78	83	88	88	
	(ii) Urban Schedule	794	926	1,009	794	1,055	794	1,055	794	948	1,055	1,055	
SUB TOTAL	SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	926	1,066	1,154	926	1,208	926	1,208	926	1,091	1,208	1,208	
LMV--7	Rural												
	Urban												
	Rural Schedule												
(A)	(i) Jal Nigam	10	15	16	10	16	10	16	10	15	16	16	
	(ii) Jal Sansthan	5	6	6	5	6	5	6	5	6	6	6	
	(iii) Others (Water Works)	16	18	19	16	19	16	19	16	18	19	19	
(B)	Urban Schedule												
	(i) Jal Nigam	31	43	51	31	51	31	51	31	43	51	51	
	(ii) Jal Sansthan	11	16	18	11	18	11	18	11	16	18	18	
	(iii) Others (Water Works)	233	260	286	233	286	233	286	233	260	286	286	
SUB TOTAL	PUBLIC WATER WORKS (LMV-7)	305	358	398	305	398	305	398	305	358	398	398	
LMV--8	Rural												
	Urban												
	Metered Supply	17	19	19	17	19	17	19	17	19	19	19	
(B)	Un-metered Supply												
	(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	235	314	322	235	322	235	322	235	314	322	322	
	(ii) Laghu Dal Nahar above 100 BHP	0	-	-	0.23	-	0	-	0	-	-	-	

Meerut Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		252	332	341	252	341	341	252	332	341
LMV--9	Rural									
	Urban									
(A)	Metered Supply									
	Individual Residential Consumers	10	88	95	10		99	10	90	99
	Others	-	-	-	-	-	-	-	-	-
(B)	Un-metered Supply									
	(i) Ceremonies	0	0	0	0		0	0	0	0
	(ii) Temporary Shops	-	-	-	-	-	-	-	-	-
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)	10	88	95	10	99	99	10	90	99
LMV--10	Serving									
	(i) Class IV Employees	16	17	17	16		18	16	17	18
	(ii) Class III Employees	26	28	30	26		32	26	29	32
	(iii) Junior Engineers & Equivalent	4	4	4	4		4	4	4	4
	(iv) Assistant Engineers & Equivalent	3	3	3	3		3	3	3	3
	(v) Executive Engineers & Equivalent	2	2	2	2		2	2	2	2
	(vi) Deputy General Manager & Equivalent	0	0	0	0		0	0	0	0
	(vii) CGM/GM & Equivalent posts and above	0	0	0	0		0	0	0	0
	Total Pensioner & Family Pensioner	60	62	65	60		68	60	64	68
SUB TOTAL	DEPARTMENTAL EMPLOYEES (LMV-10)	112	116	121	112	127	127	112	119	127
HV--1	Rural									
	Urban									
(A)	Urban Schedule									

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Meerut Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
	(i) For supply at 11kV	454	458	463	454	458	463	454	458	463
	(ii) For supply above 11kV and upto & Including 66kV	109	479	483	109	479	483	109	479	483
	(iii) For supply above 66kV and upto & Including 132kV	-	-	-	-	-	-	-	-	-
	(iv) For supply above 132kV	13	16	17	13	16	17	13	16	17
(B)	Rural Schedule									
	(i) For supply at 11kV	53	55	58	53	55	58	53	55	58
	(ii) For supply above 11kV and upto & Including 66kV	13	-	-	13	-	-	13	-	-
SUB TOTAL	NON INDUSTRIAL BULK LOADS (HV-1)	641	1,008	1,021	641	1,008	1,021	641	1,008	1,021
HV--2	Rural									
	Urban									
(A)	Urban Schedule									
	(i) For supply at 11kV	3,510	3,686	3,870	3,510	3,686	3,870	3,510	3,686	3,870
	(ii) For supply above 11kV and upto & Including 66kV	1,631	1,755	1,842	1,631	1,755	1,842	1,631	1,755	1,842
	(iii) For supply above 66kV and upto & Including 132kV	147	335	403	147	335	403	147	335	403
	(iv) For supply above 132kV	166	178	187	166	178	187	166	178	187
(B)	Rural Schedule									
	(i) For supply at 11kV	31	32	34	31	32	34	31	32	34
	(ii) For supply above 11kV and upto & Including 66kV	12	12	12	12	12	12	12	12	12
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	5,497	5,999	6,348	5,497	5,999	6,348	5,497	5,999	6,348
HV--3	Rural									
	Urban									
(A)	For supply at the above 132kV	21	25	26	21	25	26	21	25	26
(B)	For supply below 132kV	8	8	8	8	8	8	8	8	8

Meerut Discom		Projected Sales			Projected (Impact of Running Hours on Sales)			Projected (Impact of Demand Side Management on Sales)		
SUPPLY TYPE	CATEGORY	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
(C)	For Metro Traction	29	29	29	29	29	29	29	29	29
SUB TOTAL	RAILWAY TRACTION (HV-3)	58	62	63	58	62	63	58	62	63
HV--4										
	Rural									
	Urban									
(A)	For supply at 11kV	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
(B)	For supply above 11kV and upto 66kV	1	-	-	1	-	-	1	-	-
(C)	For supply above 66kV and upto 132kV	-	-	-	-	-	-	-	-	-
SUB TOTAL	LIFT IRRIGATION & P. CANAL ABOVE 100 BHP (75kW) (HV-4)	2	0	0	2	0	0	2	0	0
EXTRA STATE										
	Rural									
	Urban									
(A)	EXTRA STATE & OTHERS	-	-	-	-	-	-	-	-	-
SUB TOTAL	EXTRA STATE CONSUMERS	-	-	-	-	-	-	-	-	-
BULK										
	Rural									
	Urban									
(A)	NPCL	360	360	360	360	360	360	330		
(B)	KESCO	-	-	-	-	-	-	-	-	-
SUB TOTAL	BULK SUPPLY	360	360	360	360	360	360	330		
	GRAND TOTAL	18,805	22,481	24,118	18,805	22,481	24,527	18,872	22,467	24,337

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6.3 TUAL BILLING DETERMINANTS FOR FY 2013-14

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

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

SUPPLY TYPE		Meerut DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	12,78,688	23,70,075	2,090
		(ii) Metered	2,48,340	4,17,564	258
	(B)	Supply at Single Point for Bulk Load	335	1,98,765	295
	(C1)	Other Metered Domestic Consumers	15,65,976	38,69,174	4,113
	(C2)	Life Line Consumers/BPL	1,18,274	1,21,064	129
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	32,11,613	69,76,642	6,885
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	4,326	9,994	9
		(ii) Metered	23,791	60,824	121
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	2,898	6,307	26
	(C)	Other Metered Non-Domestic Supply	3,16,604	8,38,196	887
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	3,47,619	9,15,321	1,043
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	438	3,129	8
		(ii) Nagar Palika & Nagar Panchyat	172	8,210	29
		(iii) Nagar Nigam	33	9,556	29
	(B)	Metered Supply			
		(i) Gram Panchyat	20	227	2
		(ii) Nagar Palika & Nagar Panchyat	163	10,123	40
		(iii) Nagar Nigam	263	19,233	72
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,089	50,478	179
LMV--4	(A)	Public Institution(4 A)	11,763	60,540	158
	(B)	Private Institution(4 B)	2,151	22,400	40
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	13,914	82,940	198
LMV--5	(A)	Rural Schedule			
		(i) Un metered Supply	3,61,896	19,97,717	2,384
		(ii) Metered Supply	4,491	20,268	15
	(B)	Urban Schedule			
		(i) Metered Supply	2,988	21,086	36
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	3,69,375	20,39,071	2,435
LMV--6	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	99	3,306	8

SUPPLY TYPE	Meerut DISCOM FY 2013-14		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(ii) Urban Schedule	2,465	15,324	46
	(B)	Small & Medium Power			
		(i) Rural Schedule	8,061	64,292	78
		(ii) Urban Schedule	41,691	5,54,459	794
SUB TOTAL	SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)		52,316	6,37,381	926
LMV--7	(A)	Rural Schedule			
		(i) Jal Nigam	188	4,260	10
		(ii) Jal Sansthan	47	894	5
		(iii) Others (Water Works)	255	6,787	16
	(B)	Urban Schedule			
		(i) Jal Nigam	136	10,987	31
		(ii) Jal Sansthan	135	3,307	11
		(iii) Others (Water Works)	1,976	67,675	233
SUB TOTAL	PUBLIC WATER WORKS(LMV-7)		2,737	93,910	305
LMV--8	(A)	Metered Supply	308	4,254	17
	(B)	Un-metered Supply			
		(i) STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	4,771	64,489	235
		(ii) Laghu Dal Nahar above 100 BHP	-	-	0
SUB TOTAL	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)		5,079	68,743	252
LMV--9	(A)	Metered Supply			
		(i) Individual Residential Consumers	1,559	12,356	10
		(ii) Others	-	-	-
	(B)	Un-metered Supply			
		(i) Ceremonies	6	20	0
		(ii) Temporary Shops	-	-	-
SUB TOTAL	TEMPORARY SUPPLY (LMV-9)		1,565	12,376	10
LMV--10	(A)	Serving			
		(i) Class IV Employees	3,831	13,328	16
		(ii) Class III Employees	6,174	23,822	26
		(iii) Junior Engineers & Equivalent	632	2,604	4
		(iv) Assistant Engineers & Equivalent	289	1,353	3
		(v) Executive Engineers & Equivalent	167	849	2
		(vi) Deputy General Manager & Equivalent	31	151	0
		(vii) CGM/GM & Equivalent posts and above	67	169	0
	(B)	Total Pensioner & Family Pensioner	10,326	32,879	60
SUB	DEPARTMENTAL EMPLOYEES (LMV-10)		21,517	75,155	112

SUPPLY TYPE		Meerut DISCOM FY 2013-14		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
TOTAL						
HV--1	(A)	Urban Schedule				
		(i)	For supply at 11kV	824	3,99,613	454
		(ii)	For supply at 33 kV & above	22	1,15,233	121
	(B)	Rural Schedule				
		(i)	For supply at 11kV	24	3,827	53
		(ii)	For supply at 33 kV & above	-	-	13
SUB TOTAL	NON INDUSTRIAL BULK LOADS (HV-1)			870	5,18,673	641
HV--2	(A)	Urban Schedule				
		(i)	For supply at 11kV	5,138	14,39,980	3,510
		(ii)	For supply above 11kV and upto & Including 66kV	209	4,49,269	1,631
		(iii)	For supply above 66kV and upto & Including 132kV	6	54,414	147
		(iv)	For supply above 132kV	1	24,376	166
	(B)	Rural Schedule				
		(i)	For supply at 11kV	3	380	31
		(ii)	For supply above 11kV and upto & Including 66kV	2	2,100	12
SUB TOTAL	LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)			5,359	19,70,519	5,497
HV--3	(A)	For supply at and above 132kV		1	7,200	21
	(B)	For supply below 132kV		1	5,000	8
	(C)	For Delhi Metro Rail		1	9,000	29
SUB TOTAL	RAILWAY TRACTION (HV-3)			3	21,200	58
HV--4	(A)	For supply at 11kV		2	311	0
	(B)	For supply above 11kV and upto 66kV		-	-	1
	(C)	For supply above 66kV and upto 132kV		-	-	-
SUB TOTAL	LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)			2	311	2
EXTRA STATE	(A)	EXTRA STATE & OTHERS		-	-	-
SUB TOTAL	EXTRA STATE CONSUMERS			-	-	-
BULK	(A)	NPCL		1	45,000	330
	(B)	KESCO				
SUB TOTAL	BULK SUPPLY			1	45,000	330
GRAND TOTAL				40,33,059	1,35,07,720	18,872

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6.4 BILLING DETERMINANTS FOR FY 2014-15

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

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

SUPPLY TYPE		Meerut DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	11,50,819	23,70,075	3,072
	(ii)	Metered	4,94,380	8,31,261	490
	(B)	Supply at Single Point for Bulk Load	338	2,00,753	300
	(C1)	Other Metered Domestic Consumers	16,28,615	40,23,941	4,202
	(C2)	Life Line Consumers/BPL	1,21,822	1,24,696	143
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	33,95,975	75,50,725	8,206
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	4,542	9,994	13
	(ii)	Metered	26,170	90,434	181
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	3,043	6,622	7
	(C)	Other Metered Non-Domestic Supply	3,38,766	8,96,870	1,042
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	3,72,522	10,03,920	1,244
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	451	3,129	11
	(ii)	Nagar Palika & Nagar Panchyat	181	8,210	35
	(iii)	Nagar Nigam	36	9,556	41
	(B)	Metered Supply			
	(i)	Gram Panchyat	22	254	3
	(ii)	Nagar Palika & Nagar Panchyat	171	10,629	45
	(iii)	Nagar Nigam	276	20,195	85
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,138	51,973	222
LMV--4	(A)	Public Institution(4 A)	12,234	64,645	198
	(B)	Private Institution(4 B)	2,216	23,072	47
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	14,449	87,717	245
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	3,61,896	19,97,717	3,296
	(ii)	Metered Supply	4,716	26,093	179
	(B)	Urban Schedule			

SUPPLY TYPE		Meerut DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(i)	Metered Supply	3,137	23,349	40
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	3,69,749	20,47,158	3,514
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	104	900	2
	(ii)	Urban Schedule	2,588	19,014	57
	(B)	Small & Medium Power			
	(i)	Rural Schedule	8,303	66,443	81
	(ii)	Urban Schedule	45,443	6,19,508	931
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	56,438	7,05,865	1,072
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	207	5,548	15
	(ii)	Jal Sansthan	52	1,046	6
	(iii)	Others (Water Works)	281	7,466	18
	(B)	Urban Schedule			
	(i)	Jal Nigam	163	13,184	43
	(ii)	Jal Sansthan	151	4,264	16
	(iii)	Others (Water Works)	2,174	74,443	260
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	3,027	1,05,950	358
LMV--8	(A)	Metered Supply	323	4,658	19
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	4,894	66,153	314
	(ii)	Laghu Dal Nahar above 100 BHP	-	-	-
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	5,218	70,811	332
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	1,684	31,643	88
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	6	122	0
	(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	1,690	31,766	89
LMV--10	(A)	Serving			
	(i)	Class IV Employees	3,908	4,15,187	17
	(ii)	Class III Employees	6,668	25,728	28
	(iii)	Junior Engineers & Equivalent	657	2,720	4

SUPPLY TYPE		Meerut DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(iv)	Assistant Engineers & Equivalent	292	1,367	3
	(v)	Executive Engineers & Equivalent	169	857	2
	(vi)	Deputy General Manager & Equivalent	32	154	0
	(vii)	CGM/GM & Equivalent posts and above	70	281	0
	(B)	Total Pensioner & Family Pensioner	10,675	33,992	63
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	22,471	4,80,286	117
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	832	4,03,609	458
	(ii)	For supply at 33 kV & above	22	1,17,465	495
	(B)	Rural Schedule			
	(i)	For supply at 11kV	25	4,018	55
	(ii)	For supply at 33 kV & above	-	-	-
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	880	5,25,093	1,008
HV--2	(A)	Urban Schedule			
	(i)	For supply at 11kV	5,395	15,11,979	3,686
	(ii)	For supply above 11kV and upto & Including 66kV	219	4,71,732	1,755
	(iii)	For supply above 66kV and upto & Including 132kV	7	65,297	335
	(iv)	For supply above 132kV	1	25,595	178
	(B)	Rural Schedule			
	(i)	For supply at 11kV	3	399	32
	(ii)	For supply above 11kV and upto & Including 66kV	2	2,100	12
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	5,628	20,77,102	5,999
HV--3	(A)	For supply at and above 132kV	1	7,560	25
	(B)	For supply below 132kV	1	5,000	8
	(C)	For Delhi Metro Rail	-	9,000	29
SUB TOTAL		RAILWAY TRACTION (HV-3)	2	21,560	62
HV--4	(A)	For supply at 11kV	2	311	0
	(B)	For supply above 11kV and upto 66kV	-	-	-
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)	2	311	0

SUPPLY TYPE		Meerut DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
EXTRA STATE	(A)	EXTRA STATE & OTHERS	-	-	-
SUB TOTAL		EXTRA STATE CONSUMERS	-	-	-
BULK	(A)	NPCL	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
		GRAND TOTAL	42,49,187	1,47,50,238	22,467

6.5 PROJECTED BILLING DETERMINANTS FOR FY 2015-16

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

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

SUPPLY TYPE		Meerut DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	8,95,082	23,70,075	3,072
		(ii) Metered	13,40,973	22,54,740	1,359
	(B)	Supply at Single Point for Bulk Load	342	2,02,760	310
	(C1)	Other Metered Domestic Consumers	16,93,760	41,84,899	4,476
	(C2)	Life Line Consumers/BPL	1,25,477	1,28,437	150
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	40,55,633	91,40,911	9,368
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	4,769	9,994	13
		(ii) Metered	28,787	99,478	204
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	3,195	6,953	7
	(C)	Other Metered Non-Domestic Supply	3,62,480	9,59,651	1,142
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	3,99,231	10,76,076	1,367
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	465	3,129	11
		(ii) Nagar Palika & Nagar Panchyat	190	8,210	35
		(iii) Nagar Nigam	40	9,556	41
	(B)	Metered Supply			
		(i) Gram Panchyat	25	285	3
		(ii) Nagar Palika & Nagar	180	11,161	49

SUPPLY TYPE		Meerut DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		Panchayat			
	(iii)	Nagar Nigam	290	21,204	92
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,189	53,545	232
LMV--4	(A)	Public Institution(4 A)	12,723	67,231	211
	(B)	Private Institution(4 B)	2,282	23,764	49
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	15,005	90,995	261
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	3,61,896	19,97,717	3,296
	(ii)	Metered Supply	4,951	27,397	187
	(B)	Urban Schedule			
	(i)	Metered Supply	3,294	24,516	42
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	3,70,142	20,49,630	3,525
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	109	945	2
	(ii)	Urban Schedule	2,718	19,965	61
	(B)	Small & Medium Power			
	(i)	Rural Schedule	8,552	68,436	86
	(ii)	Urban Schedule	49,533	6,75,264	1,040
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	60,912	7,64,610	1,189
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	227	6,102	16
	(ii)	Jal Sansthan	57	1,151	6
	(iii)	Others (Water Works)	309	8,212	19
	(B)	Urban Schedule			
	(i)	Jal Nigam	196	15,821	51
	(ii)	Jal Sansthan	169	4,775	18
	(iii)	Others (Water Works)	2,391	81,887	286
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	3,349	1,17,949	398
LMV--8	(A)	Metered Supply	340	4,891	19
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	5,020	67,860	322
	(ii)	Laghu Dal Nahar above 100 BHP	-	-	-
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	5,360	72,751	341
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	1,818	34,175	98
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	6	125	0
	(ii)	Temporary Shops	-	-	-

SUPPLY TYPE		Meerut DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	1,825	34,300	98
LMV--10	(A)	Serving			
		(i) Class IV Employees	3,986	4,23,491	18
		(ii) Class III Employees	7,201	27,786	31
		(iii) Junior Engineers & Equivalent	684	2,829	4
		(iv) Assistant Engineers & Equivalent	295	1,380	3
		(v) Executive Engineers & Equivalent	170	866	2
		(vi) Deputy General Manager & Equivalent	32	157	0
		(vii) CGM/GM & Equivalent posts and above	74	295	0
	(B)	Total Pensioner & Family Pensioner	11,037	35,142	66
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	23,479	4,91,946	125
HV--1	(A)	Urban Schedule			
		(i) For supply at 11kV	841	4,07,645	463
		(ii) For supply at 33 kV & above	23	1,19,774	500
	(B)	Rural Schedule			
		(i) For supply at 11kV	26	4,219	58
		(ii) For supply at 33 kV & above	-	-	-
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	890	5,31,638	1,021
HV--2	(A)	Urban Schedule			
		(i) For supply at 11kV	5,665	15,87,578	3,870
		(ii) For supply above 11kV and upto & Including 66kV	230	4,95,319	1,842
		(iii) For supply above 66kV and upto & Including 132kV	9	78,356	403
		(iv) For supply above 132kV	1	26,875	187
	(B)	Rural Schedule			
		(i) For supply at 11kV	3	419	34
		(ii) For supply above 11kV and upto & Including 66kV	2	2,100	12
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	5,910	21,90,647	6,348
HV--3	(A)	For supply at and above 132kV	1	7,938	26
	(B)	For supply below 132kV	1	5,000	8
	(C)	For Delhi Metro Rail	-	9,000	29
SUB TOTAL		RAILWAY TRACTION (HV-3)	2	21,938	63
HV--4	(A)	For supply at 11kV	2	311	0
	(B)	For supply above 11kV and upto 66kV	-	-	-
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P C ABOVE 100 BHP (75kW) (HV-4)	2	311	0

SUPPLY TYPE		Meerut DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
EXTRA STATE	(A)	EXTRA STATE & OTHERS	-	-	-
SUB TOTAL		EXTRA STATE CONSUMERS	-	-	-
BULK	(A)	NPCL	-	-	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	-	-	-
		GRAND TOTAL	49,42,928	1,66,37,247	24,337

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

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

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

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

*The above figures are at State Level

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

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

- Target set for release of approximately 30 lakhs new connections per year.
- Web enabled online billing system based on cloud computing to be put in place by June 2015.

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- Payment facility for all consumers through web enabled system with the help of franchisees and government agencies.
- With web-enabled online billing system along with provision of hand-held machines, bills to be delivered at door-step and collection in the village itself through Franchisee/Govt. Agencies

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

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

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

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

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

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

In the view of the directives given by the Hon'ble Commission the petitioner has taken various steps to ensure that it achieves the target of 100% metering within its distribution area. In order to encourage the unmetered consumers to shift to metered connections, the Hon'ble Commission has also reduced the variable charges for such consumers who shift from unmetered to metered category to some extent in its ARR and tariff Order for FY 2014-15. The licensee in its ARR petition has set a target to shift 10% consumers from unmetered category to metered category for FY 2014-15 and 20% for FY 2015-16

6.8 SALES FORECAST AND ENERGY BALANCE

The actual Distribution Losses in FY 2013-14 were 23.06%. The Petitioner estimates its Distribution losses at 22.60% for FY 2014-15. In the ensuing year FY 2015-16, the Petitioner has projected a Distribution loss of 22.15%. The petitioner has also submitted a loss trajectory before the Hon'ble

Commission being in line with the loss reduction trajectory suggested by Ministry of Power, Government of India. Thus considering the commitments made by the Petitioner in the aforesaid submission, it has estimated the above losses for FY 2014-15 & FY 2015-16 as per its earlier submissions made before the Hon'ble Commission. Also if in case the actual losses for FY 2013-14 are lower than the committed losses as per the trajectory, the petitioner has estimated a 2% reduction in the Distribution Losses each year over the actual loss level of FY 2013-14.

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

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

Energy Balance	Unit	FY 2013-14	FY 2014-15	FY 2015-16
Power Purchase	MU	24,098.90	29,026.40	31,259.41
Line Losses	MU	5,556.89	6,559.24	6,922.57
Sales	MU	18,542.01	22,467.15	24,336.84
T&D Losses	%	23.06%	22.60%	22.15%

6.9 ESTIMATED REVENUE ASSESSMENT FOR FY 2014-15

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

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

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	3,128.76	8,205.65	3.81
(a) Consumer getting supply as per "Rural Schedule"	411.72	3,561.34	1.16
(b) Supply at Single Point for Bulk Loads	174.29	299.86	5.81
(c) Other Metered Domestic Consumers	2,502.96	4,201.78	5.96
(d) Life Line Consumers	39.80	142.67	2.79
LMV-2: Non Domestic Light, Fan & Power	1,056.81	1,243.64	8.50
(a) Non-Domestic (Rural)	58.94	194.44	3.03
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	9.41	6.72	14.00
(c) Non-Domestic (Urban Metered)	988.46	1,042.48	9.48

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
LMV-3: Public Lamps	139.92	221.61	6.31
LMV-4: Institutions	183.39	245.11	7.48
(a) Public Institution	145.81	198.44	7.35
(b) Private Institution	37.58	46.67	8.05
LMV-5: Private Tube Wells	279.87	3,514.12	0.80
(a) Rural	258.52	3,474.50	0.74
(b) Urban	21.35	39.62	5.39
LMV 6: Small and Medium Power	867.53	1,072.16	8.09
LMV-7: Public Water Works	270.20	357.63	7.56
LMV-8: State Tubewells & Pumped Canals	132.35	332.38	3.98
LMV-9: Temporary Supply	82.81	88.79	9.33
LMV-10: Deptt. Empl. & Pensioners	22.17	116.95	1.90
HV-1: Non-Industrial Bulk Load	841.93	1,008.40	8.35
HV-2: Large & Heavy Power	4,253.69	5,998.77	7.09
HV-3: Railway Traction	41.72	61.60	6.77
HV-4: Lift Irrigation Works	0.32	0.35	9.19
Sub Total	11,301.47	22,467.15	5.03
Bulk & Extra State	-	-	-
Total	11,301.47	22,467.15	5.03


6.10 PROJECTED REVENUE ASSESSMENT FOR FY 2015-16

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

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

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	3,510.95	9,367.86	3.75
(a) Consumer getting supply as per "Rural Schedule"	631.97	4,430.92	1.43
(b) Supply at Single Point for Bulk Loads	179.92	310.27	5.80
(c) Other Metered Domestic Consumers	2,657.29	4,476.24	5.94
(d) Life Line Consumers	41.78	150.43	2.78

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
LMV-2: Non Domestic Light, Fan & Power	1,162.76	1,366.93	8.51
(a)Non-Domestic(Rural)	66.05	217.36	3.04
(b)Private Advertisements/Sign Boards/Glow Signs/Flex	10.13	7.24	14.00
(c)Non-Domestic (Urban Metered)	1,086.58	1,142.33	9.51
LMV-3: Public Lamps	146.30	231.88	6.31
LMV-4: Institutions	194.38	260.54	7.46
(a) Public Institution	154.87	211.29	7.33
(b) Private Institution	39.51	49.24	8.02
LMV-5: Private Tube Wells	281.87	3,525.03	0.80
(a) Rural	259.46	3,483.43	0.74
(b) Urban	22.42	41.60	5.39
LMV 6: Small and Medium Power	957.46	1,189.27	8.05
LMV-7: Public Water Works	300.74	398.00	7.56
LMV-8: State Tubewells & Pumped Canals	136.08	341.40	3.99
LMV-9: Temporary Supply	90.90	98.19	9.26
LMV-10: Deptt. Empl. & Pensioners	23.03	124.82	1.85
HV-1: Non-Industrial Bulk Load	852.62	1,021.35	8.35
HV-2: Large & Heavy Power	4,497.34	6,348.40	7.08
HV-3: Railway Traction	42.59	62.82	6.78
HV-4: Lift Irrigation Works	0.32	0.35	9.19
Sub Total	12,197.36	24,336.84	5.01
Bulk & Extra State	-	-	-
Total	12,197.36	24,336.84	5.01


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7. ARR FOR WHEELING & RETAIL SUPPLY BUSINESS

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

COMPONENTS OF ANNUAL REVENUE REQUIREMENT

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

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

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

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

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

The detailed analysis & estimate of all the elements of ARR for FY 2015-16 have been presented in the subsequent sections with appropriate explanations. The cost elements of ARR have been estimated based on the provisional un-audited accounts of FY 2013-14 and expenses available till date for the FY 2014-15.

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

7.1 ESCALATION INDEX / INFLATION RATE

The Distribution Tariff Regulations issued by Hon'ble Commission provides that expenses of the base year shall be escalated at Inflation/Escalation rate notified by Central Government for different years. The inflation rate for this purpose shall be weighted average of Wholesale Price Index and Consumer Price Index in the ratio of 60:40. Therefore for the purpose of this ARR, the Petitioner has used this methodology in arriving at Escalation Index/Inflation Rate of 7.69% in FY 2014-15 and 4.10% in FY 2015-16. This Escalation / Inflation index has been used in estimation of various components of ARR. The calculation of Escalation/ Inflation Index is given in following table:

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

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

Month	Wholesale Price Index	Consumer Price Index	Consolidated Index
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	FY 13	FY 14	FY 13	FY 14	FY 13	FY 14
April	164	171	205	226	180	193
May	164	171	206	228	181	194
June	165	173	208	231	182	196
July	166	176	212	235	184	199
August	167	179	214	237	186	202
September	169	181	215	238	187	204
October	169	181	217	241	188	205
November	169	182	218	243	188	206
December	169	180	219	239	189	203
January	170	179	221	237	191	202
February	170	180	223	238	191	203
March	171	180	224	239	192	204
Average	168	178	215	236	187	201
Weighted Average of Inflation (60% *WPI+40%*CPI)						7.69%

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

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

Month	Wholesale Price Index			Consumer Price Index		
	FY 13	FY 14	FY 15	FY 13	FY 14	FY 15
April	205	226	242	180	193	205
May	206	228	244	181	194	207
June	208	231	246	182	196	208
July	212	235	252	184	199	212
August	214	237	253	186	202	213
September	215	238	253	187	204	212
October	217	241		188	205	
November	218	243		188	206	
December	219	239		189	203	
January	221	237		191	202	
February	223	238		191	203	
March	224	239		192	204	
Average	215	236	248	187	201	209
Inflation of Sept 14 over Sept 2013			2.21%			6.30%
Weighted Average of Inflation (60% *WPI+40%*CPI)						4.10%

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 based on above guiding factors provided in the regulations. Some key assumptions considered in forecasting power purchase units & costs are given below:

- Actual power purchase cost and units of FY 2012-13
- Provisional power purchase cost and units for FY 2013-14
- Trend observed in the previous and current year.
- Impact of loss reduction initiatives.
- Estimated growth in sales.
- Share of expected capacity available from various generators to the UPPCL/DisCom.

For the ensuing year, the Petitioner has projected aggregate T&D losses of 29.25% (at generation end) for overall UPPCL level, which is a reduction in commercial as well as technical losses. The reduction in these losses will be achieved by bringing the unauthorized use of electricity into the billing net and accurately measuring the consumption of electricity as well as reduction in technical losses by replacing /installing adequate capacity equipments.

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

Summary of energy balances projected and corresponding purchased power details for FY 2014-15 and FY 2015-16 are shown in the tables below:

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

Table 7-3: Details of Power Procurement Cost for FY-2014-15

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,848	0.61	235	1.80	692	2.41	927	2.41
Anpara B	1,000	6,314	1.08	684	1.73	1,090	2.81	1,774	2.81
Harduaganj	165	259	2.10	54	4.81	124	6.91	179	6.91
Obra A	288	779	0.93	72	2.29	179	3.22	251	3.22
Obra B	1,000	4,158	0.60	249	2.38	989	2.98	1,238	2.98
Panki	210	907	1.06	96	4.11	373	5.17	469	5.17
Parichha	220	323	0.96	31	3.69	119	4.65	150	4.65
Parichha Extn.	420	2,512	1.27	318	3.14	789	4.41	1,108	4.41
Parichha Extn. Stage II	500	3,308	1.79	593	3.04	1,007	4.84	1,600	4.84
Harduaganj Ext.	500	3,158	1.93	610	3.24	1,024	5.18	1,634	5.18
Anpara D	-	-	-	-	-	-	-	-	-
Sub Total - Thermal	4933	25566		2943		6387		9330	3.65
Per unit Avg Rate of Thermal Generation								3.65	
Hydro Stations									
Khara	58	151	0.75	11			0.75	11	0.75
Matatila	20	53	0.68	4			0.68	4	0.68
Obra (Hydel)	99	260	0.66	17			0.66	17	0.66
Rihand	255	670	0.57	38			0.57	38	0.57
UGC Power Stations	14	36	2.22	8			2.22	8	2.22
Belka & Babail	6	16	2.34	4			2.34	4	2.34
Sheetla	4	9	2.84	3			2.84	3	2.84
Sub total - Hydro	455	1195		84.70		0.00		84.70	0.71
Purchase Per unit Avg Rate from hydro generating stations								0.71	
Sub-Total Own generation	5388	26761		3,027.36		6,386.89		9,414.25	3.52
Procurement of power from Central Sector Generating Stations									
Anta	119	813	0.71	57	3.07	250	3.78	307	3.78
Auriya	244	1,640	0.53	88	4.11	675	4.65	762	4.65
Dadri Thermal	84	613	0.82	50	3.91	240	4.73	290	4.73
Dadri Gas	272	1,925	0.55	105	3.93	757	4.48	862	4.48

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost (Rs. / kWh)
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Dadri Extension	150	1,097	1.55	171	3.70	406	5.25	576	5.25
Rihand-I	373	2,661	0.78	209	1.66	441	2.44	650	2.44
Rihand-II	348	2,478	0.91	225	1.69	419	2.60	644	2.60
Singrauli	849	6,151	0.52	320	1.24	763	1.76	1,083	1.76
Tanda	440	3,136	1.01	318	3.33	1,043	4.34	1,360	4.34
Unchahar-I	258	1,927	0.83	160	2.75	529	3.58	689	3.58
Unchahar-II	153	1,145	0.86	99	2.70	309	3.56	407	3.56
Unchahar-III	75	560	1.32	74	2.70	151	4.02	225	4.02
Farakka	33	217	0.82	18	3.44	75	4.26	92	4.26
Kahalgao St. I	77	528	0.92	49	2.81	148	3.73	197	3.73
Kahalgao St. II Ph. I	251	1,729	1.18	203	2.65	459	3.83	662	3.83
Koldam (Hydro)	95	414	1.56	65	-	-	1.56	65	1.56
Rihand-III	377	2,691	1.27	342	1.72	463	2.99	805	2.99
Sub-Total NTPC	4197	29724		2,551.34		7,126.81		9,678.15	3.26
Chamera	109	336	0.58	20	1.01	34	1.59	53	1.59
Chamera-II	86	393	1.28	50	1.48	58	2.76	109	2.76
Chamera-III	62	283	1.74	49	2.20	62	3.94	111	3.94
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.86	29	2.86
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	51	221	2.49	55	1.75	39	4.24	94	4.24
Parbati ST-III	140	514	1.05	54	3.18	163	4.23	217	4.23
Sub-Total NHPC	835	3534		515.81		652.04		1,167.85	3.30
NAPP	167	937	0	0	2.64	247	2.64	247	2.64
RAPP #3&4	80	604	0	0	2.95	178	2.95	178	2.95
RAPP#5&6	115	802	0	0	3.64	292	3.64	292	3.64
Sub-Total NPCIL	362	2343				716.99		716.99	3.06
NATHPA JHAKRI HPS	288	1,387	1.54	213	1.38	192	2.92	404	2.92
TALA POWER	45	181	-	-	2.33	42	2.33	42	2.33
Koteshwar	173	570	1.94	110	2.07	118	4.01	229	4.01
Srinagar	290	519	2.90	150	-	-	2.90	150	2.90
Sasan	495	2,081	0.17	36	1.22	254	1.39	289	1.39
Teesta St-III									

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Karcham-Wangtoo	200	158	-	-	3.77	59	3.77	59	3.77
VISHNUPRAYAG	352	1,623	0.97	158	1.32	214	2.29	372	2.29
TEHRI STAGE-I	419	1,811	1.81	327	2.43	441	4.24	768	4.24
Rosa Power Project	600	4,066	1.63	663	4.08	1,659	5.71	2,322	5.71
Rosa Power Project	600	4,066	1.63	663	4.08	1,659	5.71	2,322	5.71
Bara									
Anpara 'C'	1,100	7,015	1.14	801	2.55	1,792	3.70	2,593	3.70
IGSTPP, Jhajhjar	51	358	1.55	55	4.14	149	5.69	204	5.69
Bajaj Hindusthan	450	2,807	2.25	632	4.44	1,246	6.69	1,878	6.69
Lalitpur									
Sub-Total IPP/JV	5062	26640		3808		7825		11633	4.3665
Captive and Cogen	-	2,865	-	-	4.62	1,324	4.62	1,324	4.62
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,366	-	-	4.75	2,074	4.75	2,074	4.75
Solar Energy	-	84	-	-	11.14	94	11.14	94	11.14
NVVN Coal Power	-	352	-	-	2.83	99	2.83	99	2.83
Sub-Total : Co-Generation & Other Sources	-	7667				3,590.48		3,590.48	4.68
Grand Total of Power Purchase	15844	96669		9,902.05		26,298.2		36,200.27	3.74

Table 7-4: Details of Power Procurement Cost for FY-2015-16

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,848	0.63	241	1.91	733	2.53	974	2.53
Anpara B	1,000	6,314	1.09	691	1.83	1,156	2.92	1,847	2.92
Harduagunj	165	259	2.13	55	5.10	132	7.23	187	7.23
Obra A	288	779	0.94	73	2.43	189	3.37	263	3.37
Obra B	1,000	4,158	0.61	255	2.52	1,048	3.14	1,304	3.14
Panki	210	907	1.09	99	4.36	396	5.45	495	5.45
Parichha	220	323	0.98	32	3.91	126	4.89	158	4.89
Parichha Extn.	420	2,512	1.28	322	3.33	837	4.61	1,159	4.61
Parichha Extn. Stage II	500	3,308	1.81	597	3.23	1,067	5.03	1,665	5.03

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Harduaganj Ext.	500	3,158	1.95	615	3.44	1,086	5.38	1,700	5.38
Anpara D	1,000	2,916	1.18	344	1.79	521	2.96	864	2.96
Sub total - Thermal	5933	28482		3324		7291		10615	3.73
Per unit Avg Rate of Thermal Generation								3.73	
Hydro Stations									
Khara	58	151	0.78	12			0.78	12	0.78
Matatila	20	53	0.70	4			0.70	4	0.70
Obra (Hydel)	99	260	0.68	18			0.68	18	0.68
Rihand	255	670	0.60	40			0.60	40	0.60
UGC Power Stations	14	36	2.31	8			2.31	8	2.31
Belka & Babail	6	16	2.44	4			2.44	4	2.44
Sheetla	4	9	2.96	3			2.96	3	2.96
Sub total - Hydro	455	1195		88.17		0.00		88.17	0.74
Purchase Per unit Avg Rate from hydro generating stations								0.74	
Sub-Total Own generation	6388	29678		3,412.25		7,291.02		10,703.27	3.61
Procurement of power from Central Sector Generating Stations									
Anta	119	813	0.74	60	3.26	265	3.99	325	3.99
Auriya	244	1,640	0.56	91	4.36	715	4.92	806	4.92
Dadri Thermal	84	613	0.86	53	4.15	254	5.00	307	5.00
Dadri Gas	272	1,925	0.57	110	4.17	802	4.74	912	4.74
Dadri Extension	150	1,097	1.62	177	3.92	430	5.54	608	5.54
Rihand-I	373	2,661	0.82	217	1.76	468	2.57	685	2.57
Rihand-II	348	2,478	0.95	235	1.79	444	2.74	678	2.74
Singrauli	849	6,151	0.54	333	1.32	809	1.86	1,142	1.86
Tanda	440	3,136	1.05	331	3.52	1,105	4.58	1,436	4.58
Unchahar-I	258	1,927	0.87	167	2.91	561	3.78	728	3.78
Unchahar-II	153	1,145	0.90	103	2.86	327	3.76	430	3.76
Unchahar-III	75	560	1.37	77	2.86	160	4.23	237	4.23
Farakka	33	217	0.86	19	3.65	79	4.50	98	4.50
Kahalgau St. I	77	528	0.96	51	2.98	157	3.94	208	3.94
Kahalgau St. II Ph.I	251	1,729	1.22	212	2.81	486	4.04	698	4.04
Koldam (Hydro)	95	414	1.56	65	-	-	1.56	65	1.56
Rihand-III	377	2,691	1.32	356	1.82	491	3.15	847	3.15
Sub-Total NTPC	4197	29724		2653		7554		10208	3.43
Chamera	109	336	0.60	20	1.07	36	1.67	56	1.67
Chamera-II	86	393	1.36	53	1.70	67	3.06	120	3.06
Chamera-III	62	283	2.00	57	2.20	62	4.20	119	4.20

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.85	29	2.85
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	25	111	4.98	55	1.75	19	6.73	75	6.73
Parbati ST-III	104	383	1.41	54	3.18	122	4.59	176	4.59
Sub-Total NHPC	774	3292		527.01		601.79		1,128.80	3.43
NAPP	167	937	-	-	2.79	262	2.79	262	2.79
RAPP #3&4	80	604	-	-	3.12	189	3.12	189	3.12
RAPP#5&6	115	802	-	-	3.86	310	3.86	310	3.86
Sub-Total NPCIL	362	2343				760.01		760.01	3.24
NATHPA JHAKRI HPS	288	1,387	1.60	222	1.46	203	3.06	425	3.06
TALA POWER	45	181	-	-	2.47	45	2.47	45	2.47
Koteshwar	173	570	2.02	115	2.20	125	4.22	240	4.22
Srinagar	290	519	3.02	157	-	-	3.02	157	3.02
Sasan	495	2,081	0.18	37	1.29	269	1.47	306	1.47
Teesta St-III									
Karcham-Wangtoo	200	158	-	-	4.00	63	4.00	63	4.00
VISHNUPRAYAG	352	1,623	1.01	164	1.40	227	2.41	391	2.41
TEHRI STAGE-I	419	1,811	1.88	340	2.58	467	4.46	808	4.46
Rosa Power Project I	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Rosa Power Project II	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Bara	1,188	1,115	-	-	3.20	357	3.20	357	3.20
Anpara 'C'	1,100	7,015	1.19	834	2.71	1,900	3.90	2,733	3.90
IGSTPP, Jhajhhar	51	358	1.61	58	4.39	157	6.00	215	6.00
Bajaj Hindusthan	450	2,982	2.25	671	4.71	1,404	6.96	2,075	6.96
Lalitpur	1,782	8,022	1.40	1,123	1.98	1,588	3.38	2,711	3.38
Sub-Total IPP/JV	8032	35953		5100		10322		15423	4.28966
Captive and Cogen	-	2,865	-	-	4.90	1,403	4.90	1,403	4.90
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,416	-	-	5.04	2,224	5.04	2,224	5.04
Solar Energy	-	84	-	-	11.81	99	11.81	99	11.81
NVVN Coal Power	-	352	-	-	3.00	105	3.00	105	3.00
Sub-Total : Co-	-	7717				3,831.24		3,831.24	4.96

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.)	
Generation & Other Sources									
Grand Total of Power Purchase	19753	108707		11,692.71		30,360.9		42,053.61	3.87

As can be seen from table above power purchase cost is projected to be Rs. 42,053.61 crore in FY 2015-16. The inter-state transmission charges (PGCIL) are envisaged to be Rs. 2727.71 crore. Thus, the total power procurement cost including PGCIL charges are projected to be Rs. 44,781.32 crore at overall UPPCL level.

Power Procurement Cost from UPPCL by DisCom:

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

Table 7-5: Computation of the Bulk Supply Tariff

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

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

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

Particulars	Derivation	FY 2014-15	FY 2015-16
Energy Sales (MU)	A	22,467	24,337
Distribution Loss (%)	B	22.60%	22.15%
Distribution Loss (MU)	$C = A/(1-B) - A$	6,559	6,923
Power Purchase Required (MU)	$D = A + C$	29,026	31,259
Bulk Power Purchase Rate (Rs/kWh)	E	4.20	4.34
Power Purchase Cost (Rs Crore)	$F = D \times E / 10$	12,197	13,581

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. 1371.04 crore in the ensuing year. The PGCIL charges consequent to inter-state transmission is being levied on energy procured from NTPC, NPCIL, NHPC, SJVNL, Tehri, TALA and others. These charges have been incorporated in Power Procurement Cost. The petitioner submits that while considering power procurement to meet the State's requirement, losses external to its system i.e., in the Northern Region PGCIL system need to be accounted for. The availability of power for the Petitioner (i.e. at UPPCL system boundary) from these sources gets reduced to the extent of these losses and the Petitioner has accordingly incorporated them while drawing up the energy balance and merit order dispatch for meeting the State requirement.

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

In such Petition U.P. Power Transmission Corporation Ltd has projected transmission charge rate of Rs. 0.196 per kWh for FY 2015-16. Accordingly licensee has estimated the cost of intra state transmission charges for ensuing year as well as for the current year in the tables given below.

Table 7-7: Projected Transmission Charges

Particulars		FY 2014-15	FY 2015-16
Energy Procured (MU)	A	29,026	31,259
Transmission Tariff (Rs/kWh)	B	0.179	0.196

Transmission Cost (Rs Crore)	C=AxB/10	518.68	613.85
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The Petitioner submits that the billing in respect of intra-state transmission charges is being done on postage stamp tariff method till the time the Allotted Transmission Capacity of Long Term Transmission System Customers (the Distribution Licensees & Bulk Customer) is not finalized. Suitable steps in this regard have been initiated at the Petitioner's end to finalize the allotted transmission capacities and once it is done the intra-state transmission charges would be claimed and paid linked with contracted transmission capacity rather than on postage stamp tariff method. The postage stamp tariff based billing poses the risk of unjust enrichment to the transmission utility as it is possible for it to recover fixed costs in excess of the costs approved by the Hon'ble Commission in its ARR order. In the interim, till the contracted capacities are finalized, it is humbly prayed with the Hon'ble Commission, that an internal adjustment bill may be allowed to be raised within the subsidiary companies at the year-end, so that the transmission utility recovers only its costs and no unjust enrichment is allowed to it on account of postage stamp tariff method based billing.

7.4 OPERATION & MAINTENANCE EXPENSES

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

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

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

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

अधीक्षक अभियन्ता (वाणिज्य)
पश्चिमांचल विद्युत वितरण निगम लि०
मेरठ

The Hon'ble Commission in the FY 2007-08 true up order dated 21st May, 2013 had determined the O&M expenses for the base year and subsequently in the suo-motu order dated 31st May, 2013 in the matter of determination of ARR and Tariff for FY 2013-14, had allowed the O&M expenses strictly in line with the Distribution Tariff Regulations, considering escalation indices and O&M expenses on new assets. The pay revision expenses were considered separately and the base employee expenses were increased to account for the increase due to wage revision.

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

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

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

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

Incremental O&M Expenses @ 2.5% of capital additions during the (n-1)th year	FY 2014-15	FY 2015-16
Capitalized Assets in (n-1)th year	587.72	1046.23
Incremental O&M Expenses	14.69	41.45
(a) Employee Costs	9.72	27.42
(b) A&G Expenses	1.20	3.50
(c) R&M Expenses	3.78	10.54

7.5 O&M EXPENSES FOR FY 2015-16

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

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

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

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
Employee Expenses			
Gross Employee Costs and Provisions	390.96	619.66	645.04
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	9.72	27.42
Gross Employee Expenses	390.96	629.38	672.46
Employee expenses capitalized	141.86	94.41	100.87
Net Employee Expenses	249.11	534.97	571.59
A&G Expenses			
Gross A&G Expenses	71.76	73.81	76.83
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	3.78	10.54
Gross A&G Expenses	71.76	77.59	87.37
A&G expenses capitalized	22.44	11.64	13.11
Net A&G Expenses	49.32	65.95	74.27
R&M Expenses			
Repair & Maintenance Expenditure	207.52	243.31	253.28
Incremental Employee Expenses @ 2.5% of GFA additions of preceding year	-	1.20	3.50
Gross Repair & Maintenance Expenses	207.52	244.50	256.77
Total O&M Expenses Allowable as per Regulations	505.95	845.42	902.63

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

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

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

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

Description	Qty	Capital Investment Plan			
		Loans	Equity / Internal Accruals	Deposit Works	Total

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Description	Qty	Capital Investment Plan			
		Loans	Equity / Internal Accruals	Deposit Works	Total
Energisation of PTW Connections	8800	84.76	36.32		121.08
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme	208	92.06	39.46		131.52
33 kV / 11 kV Works under Business Plan					
a) 33 kV Works					
Construction of new 33/11 kV S/s and associated 33 kV lines	45	184.13	78.91		263.04
Increasing capacity of 33 / 11 kV S/s	73	56.66	24.28		80.94
33 kV link line	643	63.74	27.32		91.05
Replacement of damaged/obsolete 33kV VCB & Switchgears and higher capacity of conductor, poles, S/s apparatus, etc.	250	11.33	4.86		16.19
b) 11 kV Works					
11 kV new line (bifurcation of feeders, link lines, etc)	220	14.16	6.07		20.23
11/0.4 kV S/s (25, 63 & 100 kVA)	300	8.50	3.64		12.14
11/0.4 kV S/s (250 & 400 kVA)	150	10.62	4.55		15.18
11/0.4 kV S/S Increasing Capacity (25 to 63 and 63 to 100 KVA)	400	5.67	2.43		8.09
11/0.4 kV S/S Increasing Capacity (100 to 250 kVA and 250 to 400 kVA)	100	3.54	1.52		5.06
Strengthening of 11 kV Line	500	11.33	4.86		16.19
11/0.4 kV S/s providing extra LT Distributors / DO fuse set and LT Distribution pillar box	700	11.33	4.86		16.19
Strengthening of LT line (Replacement of damaged conductors / jarjar poles / jarjar lines with higher capacity of conductors, etc)	600	10.62	4.55		15.18
Strengthening of HT line	700	14.16	6.07		20.23
Replacement of damaged/obsolete 11kV OCB / VCB, etc	400	17.00	7.28		24.28
Double Metering of consumers		5.67	2.43		8.09
LT AERIAL BUNCHED CONDUCTORS	100	11.33	4.86		16.19
Underground cabling work - 11 and 33 kV	80	28.33	12.14		40.47
Capital Works under Vyapar Vikas Nidhi		213.66	91.57		305.23
33/11 kV Substations under Tehsil Scheme	26	142.09	60.90		202.99
33/11 kV Substations under CM's declaration					
Feeder Segregation Scheme		55.39	23.74		79.13
RGVY Phase II (11th Plan Pending Works)		42.63	18.27		60.90
RGVY Phase II (12th Plan)		75.61	32.40		108.01
Other Misc Works		9.10	3.90		13.00
R-APDRP Part A		67.39	28.88		96.27
R-APDRP Part B		374.25	160.39		534.64
Deposit Works				409.68	409.68
Total		1625.05	696.45	409.68	2731.18

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

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

- The opening GFA and CWIP for FY 2014-15 have been taken as per the closing figures from provisional annual accounts of FY 2013-14.
- 40% the opening CWIP and 40% of investment made during the year, expenses capitalized & interest capitalized (40% of total investment) has been assumed to get capitalized during the year.
- Investment through "deposit work" has been taken for capital formation. However depreciation thereon has not been charged to the ARR in line with the policy adopted by Hon'ble Commission in its last Tariff Orders.
- The capital investment for FY 2014-15 has been pegged at Rs. 2,142.61 crore out of which works through deposit works have been envisaged at Rs. 321.29 crore.
- The Petitioner envisages a capital investment of Rs. 2,731.18 crore in FY 2015-16 out of which works through deposit works have been envisaged at Rs. 409.68 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 2013-14 and 2014-15 are presented below:

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

Particulars	Derivation	FY 2014-15 Revised Estimates	FY 2015-16 ARR
Opening WIP as on 1st April	A	306.03	1,569.34
Investments	B	2,142.61	2,731.18
Employee Expenses Capitalisation	C	94.41	100.87
A&G Expenses Capitalisation	D	11.64	13.11
Interest Capitalisation on Interest on long term loans	E	60.90	87.74
Total Investments	F= A+B+C+D+E	2,615.57	4,502.23
Transferred to GFA (Total Capitalisation)	G=F*40%	1,046.23	1,800.89
Closing WIP	H= F-G	1,569.34	2,701.34

- Notes:** (1) Opening Balances as per provisional figures of FY 2013-14.
 (2) Capitalized expenses are from Emp. cost & A&G cost Tables
 (3) Transfer from WIP to GFA=40% of beginning WIP + 40% of total investment, capitalized Interest, Capitalized employee cost, capitalized A&G expenses.

Table 7-12: Gross Fixed Assets for FY2014-15 & FY2014-15

(All figures in Rs Crore)

Particulars	Derivation	FY 2014-15 Revised Estimates	FY 2015-16 ARR
Opening GFA	A	6,866.01	7,912.24
Additional to GFA during the year	B	1,046.23	1,800.89
Closing GFA	C=A+B	7,912.24	9,713.14

7.7 FINANCING OF THE CAPITAL INVESTMENT

The Petitioner has considered a normative gearing of 70:30. Considering this approach, 70% of the capital expenditure undertaken in any year has been considered to be financed through loan and balance 30% has been considered to be financed through equity contributions. The portion of capital expenditure financed through consumer contribution, capital subsidies and grants has been separated as the depreciation and interest thereon would not be charged to the beneficiaries.

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

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

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

Particulars	2013-14	2014-15	2015-16
Opening Balance of Consumer Contributions, Grants and Subsidies towards Cost of Capital Assets	1,204.48	1,329.47	1,440.94
Additions during the year	203.02	321.39	409.68
Less: Amortisation	78.04	209.92	250.54
Closing Balance	1,329.47	1,440.94	1,600.09

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

Particulars	Derivation	2013-14	2014-15	2015-16
Investment	A	1,201.90	2,142.61	2,731.18

Particulars	Derivation	2013-14	2014-15	2015-16
Less:		-	-	-
Consumer Contribution	B	203.02	321.39	409.68
Investment funded by debt and equity	C=A-B	998.88	1,821.22	2,321.50
Debt Funded	70%	699.21	1,274.85	1,625.05
Equity Funded	30%	299.66	546.36	696.45

Thus, the Petitioner submits that out of the capital investment of Rs. 2731.18 crore in FY 2015-16, the capital investment through deposit works would be to the tune of Rs. 409.68 crore. Balance Rs. 2321.50 crore has been considered to be funded through debt and equity. Considering a debt equity ratio of 70:30, Rs. 1625.05 crore or 70% of the capital investment is proposed to be funded through debt and balance 30% equivalent to Rs. 696.45 crore through equity.

7.8 DEPRECIATION EXPENSE

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

"4.9 Depreciation:

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

Thus the Distribution Tariff Regulations provide for allowing -

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

For the purpose of computing the allowable depreciation, the Petitioner has considered the GFA base as per audited accounts for FY 2012-13 and have subsequently added the yearly capitalizations for FY 2013-14, 2014-15 and 2015-16 considered in the foregoing sections. The Petitioner has computed the depreciation only on the depreciable asset base and has excluded the non-depreciable assets such as land, land rights, etc.

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

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

Particulars	Derivation	FY 2014-15 Revised Estimates	FY 2015-16 ARR
Depreciation Rate	A	7.84%	7.84%
Opening GFA	B	6,866.01	7,912.24
Additional to GFA during the year	C	1,046.23	1,800.89
Depreciation on Opening GFA + Additions during the year	$D=(A*B)+(C*A/2)$	579.31	690.91

The Petitioner has projected the depreciation on assets created out of consumer contributions, capital grants and subsidies for FY 2014-15 and 2015-16 in the same ratio as per provisional accounts of FY 2013-14. The Petitioner has reduced the equivalent depreciation amounting to Rs. 209.85 crore and Rs. 250.29 crore in FY 2014-15 and 2015-16 respectively in respect of depreciation on assets created out of consumer contributions, capital grants and subsidies.

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

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

Particulars	FY 2014-15	FY 2015-16
Gross Allowable Depreciation	579.18	690.79
Less: Equivalent amount of depreciation on assets acquired out of the Consumer Contribution and GoUP Subsidy	209.85	250.29
Net Allowable Depreciation	369.33	440.50

7.9 INTEREST ON LONG TERM LOANS

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

contributions, capital subsidies and grants has been separated as the depreciation and interest thereon has not been charged to the beneficiaries.

Allowable depreciation for the year has been considered as normative loan repayment. The weighted average rate of interest of overall long term loan portfolio for FY 2013-14 has been considered for FY 2014-15 and 2015-16, as it seems to be fair and equitable. The interest capitalization has been considered at a rate of 23% which is consistent with the rate considered by the Hon'ble Commission in previous tariff orders.

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

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

Particulars	2014-15	2015-16
Opening Loan	1,918.04	2,823.56
Loan Additions (70% of Investments)	1,274.85	1,625.05
Less: Repayments (Depreciation allowable for the year)	369.33	440.50
Closing Loan Balance	2,823.56	4,008.11
Weighted Average Rate of Interest	11.17%	11.17%
Interest on long term loan	264.76	381.47
Interest Capitalisation Rate	23.00%	23.00%
Less: Interest Capitalized	60.90	87.74
Net Interest Charged	203.87	293.73

7.10 FINANCE CHARGES

The Petitioner has projected finance charges towards expenses such as guarantee fees and bank charges to the tune of Rs. 14.60 crore and Rs. 15.20 crore in FY 2014-15 and 2015-16 respectively. The same have been computed by extrapolating the actual guarantee fees and bank charges incurred in FY 2013-14 as per provisional accounts by using the Inflation Index. Further, the Petitioner humbly prays that it may be allowed to claim discount to consumers on actuals during truing up based on audited accounts.

7.11 INTEREST ON CONSUMER SECURITY DEPOSITS

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

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

Accordingly the interest to consumers on the security deposits has been computed on the Opening Balance of the Security Deposits at the beginning of the year at the bank rate of 9% for FY 2014-15 and 9.00% for FY 2015-16. However, the same shall be trued up based on audited accounts. The opening balances of security deposits have been considered as per closing figures of provisional accounts for FY 2013-14 and additions during the year for FY 2014-15 and 2015-16 are estimated in line with the projected load growth.

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

Particulars	FY 2014-15	FY 2015-16
Opening Balance for Security Deposit	999.10	1,095.08
Additions during the year	95.97	138.83
Closing Balance for Security Deposit	1,095.08	1,233.91
Rate of Interest	9.00%	9.00%
Interest Paid / Payable on Security Deposits	94.24	104.80

7.12 INTEREST ON WORKING CAPITAL

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

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

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

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

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

Particulars	FY 2014-15	FY 2015-16
	Revised Estimates	ARR
One month's O & M Expenses	79.29	84.72
One-twelfth of the sum of the book value of stores, materials and supplies at the end of each month of such financial year	14.88	18.97
Receivables equivalent to 60 days average billing of Beneficiaries	1,857.78	2,005.05
Gross Total	1,951.94	2,108.73
Security Deposits by the beneficiaries	1,095.08	1,233.91
Net Working Capital	856.87	874.82
Rate of Interest for Working Capital	12.50%	12.50%
Interest on Working Capital	107.11	109.35

7.13 SUMMARY OF INTEREST AND FINANCE CHARGES

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

Table 7-20: Interest and Finance Charges for FY 2014-15 and FY 2015-16 (Rs. Crore)

Particulars	FY 2014-15	FY 2015-16
	Revised Estimates	ARR
Interest on Long term Loans	187.73	381.47
Interest on Working Capital Loans	121.15	109.35
Sub Total	308.88	490.82
Interest on Consumer Security Deposits	83.63	104.80
Bank Charges	-	-
Discount to Consumers	-	-
Sub Total	83.63	104.80
Gross Total Interest & Finance Charges	392.51	595.63
Less: Capitalization of interest on Long term Loans	43.18	87.74
Interest Capitalization Rate (%)	23.00%	23.00%
Net Interest & Finance Charges	349.33	507.89

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7.14 PROVISION FOR BAD AND DOUBTFUL DEBTS

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

Despite the Hon'ble Commission's views on this component of ARR, it is humbly prayed that the annual provisioning towards bad and doubtful debts may be allowed to the Petitioner as it is an accepted industry norm and also recognized by other State Electricity Regulatory Commissions. The amount, if any, written off towards bad debts is only adjusted against the accumulated provisions in the books, irrespective of the actual amount of bad debts during any particular year. Therefore the Petitioner maintains that this is a legitimate ARR component. As such the Petitioner has made provisions for bad debts for FY 2014-15 and 2015-16 in line with the provisions stipulated in the Distribution Tariff Regulations. The Provision for Bad and Doubtful Debts for 2014-15 along with projections for the financial year 2015-16 are summarized in the table below:

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

Particulars	FY 2014-15	FY 2015-16
Revenue Receivable	11,301.47	12,197.36
Percentage of Debt allowed	2.00%	2.00%
Provision for Bad Debts	226.03	243.95

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 2012-13. The amount for FY 2013-14 and 2014-15 has been projected to grow at the rate of inflation index from the actuals of FY 2012-13.

Table 7-22: Other Income (Rs Crore)

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
Banks(other than FD)	17.53	18.87	19.65
Rental from Staff	0.00	0.00	0.00
Income from Contractor & Suppliers	1.56	1.68	1.75
Rental from Staff	0.41	0.44	0.46

Miscellaneous Receipts	0.24	0.26	0.27
Rebate for Timely Payment of Interest	0.41	0.44	0.46
Total	20.15	21.70	22.59

7.16 REASONABLE RETURN / RETURN ON EQUITY

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

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

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

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

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

7.17 CONTRIBUTION TO CONTINGENCY RESERVE

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


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

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

The Hon'ble Commission in the FY 2013-14 tariff order had directed the distribution companies to consider the apportionment of the O&M expenses of UPPCL and submit the share of each discom. Accordingly, the O&M expenses of UPPCL for FY 2013-14 as per provisional accounts have been considered as base expenses and the same have been escalated in FY 2014-15 and 2015-16 based on the escalation indices for each year.

Considering the above, the same have also been apportioned to all the discoms including the Petitioner in the power purchase ratio for each relevant year. The share of apportionment of O&M charges of UPPCL for FY 2014-15 is Rs. 53.73 crore and Rs. 53.55 crore for FY 2015-16. Accordingly the same have been considered as part of ARR to be recovered from retail consumers.

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


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7.19 REVENUE SUBSIDY FROM GOUP

The Petitioner submits that the projected budgeted subsidy for FY 2015-16 for overall Discoms is to the tune of Rs. 5,913 crore, out of which the share of the Petitioner is pegged to be Rs. 1,749.26 crore on provisional basis. However, the decision on the basis and allocation within distribution companies is yet to be finalized by the GoUP. It is submitted that the estimated budgeted subsidy is the absolute quantum of subsidy available from GoUP.


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7.20 ARR SUMMARY

The Consolidated Retail & Wheeling Business of ARR along with revenue gap for FY 2015-16 at current tariff is summarized in the table below.

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

Particulars (Rs Crore)	FY 2013-14	FY 2014-15	FY 2015-16
	Provisional Accounts	Revised Estimated	ARR Projections
Power Purchase (MU)	14252.93	17076.38	18665.23
Units Sold (MU)	10710.70	13001.30	14434.97
Power Purchase Cost from UPPCL	9446.77	12196.51	13580.62
Intra-state Transmission Charges	325.34	518.68	613.85
Employee Cost (Net of Capitalization)	249.11	534.97	571.59
A&G Expense (Net of Capitalization)	49.32	65.95	74.27
Repair & Maintenance Expense	207.52	244.50	256.77
Interest & Finance Charges (Net)	1067.89	419.81	523.09
Provision for Bad and Doubtful Debts	3.68	226.03	243.95
Depreciation	137.34	369.33	440.50
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	48.92	53.73	53.55
Other Misc Expenses / Incomes	8.62	0.00	0.00
Net Prior Period Credit/Charges	36.38	0.00	0.00
Total Expenses	11580.88	14629.51	16358.19
Less: Other Income	20.15	21.70	22.59
Total Annual Revenue Requirement	11560.73	14607.80	16335.59
Revenue From Existing Tariff	9025.95	11301.47	12197.36
GoUP Subsidy	1546.79	1644.28	1749.26
Tariff Increases	0.00	0.00	0.00
Remaining Gap	987.99	1662.06	2388.97

7.21 RETAIL AND WHEELING BUSINESS ARR SUMMARY

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

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

Allocations of Consolidated ARR into wheeling & retail supply for FY 2015-16 have been estimated into following table:

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


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

7.22 WHEELING CHARGES FROM OPEN ACCESS CONSUMERS

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

Table 7-25: Wheeling Charges for FY 2015-16

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


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8. TREATMENT OF REVENUE GAP

The Petitioner would like to humbly submit that the Hon'ble Commission approves tariff which is uniform throughout the state. As a consequence, the Petitioner cannot apply for tariff rationalization in its supply area by separately filing for revision of tariff. The Tariff Order for the FY 2014-15 was issued on 01st October, 2014 and the revised retail tariff was implemented after due notification. The Petitioner has evaluated a revenue gap of Rs. 2,388.97 Crore in the ensuing year.

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

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


Particulars (Rs Crore)	FY 2015-16
Annual Revenue Requirement	16335.59
Less: Revenue Subsidy from GoUP	1749.26
Less: Revenue from Existing Tariff	12197.36
Revenue Gap for FY 2015-16	2388.97

In addition to the above, the revenue gap as per true up petition filed for FY 2012-13 is to the tune of Rs. 2,198.11. Thus, the total revenue gap which needs to be recovered by the Petitioner from its consumers is to the tune of Rs. 4,587.08 crore along with carrying cost as shown in the table below:

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

Particulars	PVVNL
Revenue Gap as per True up Petition for 2012-13	2,198.11
Revenue Gap as per ARR for FY 2015-16	2,388.97
Total	4,587.08

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


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9. PRAYERS

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

- Admit the accompanying Annual Revenue Requirement for FY 2015-16 and True up Petition for FY 2012-13.
- Approve the Annual Revenue Requirement for FY 2015-16 and True up for FY 2012-13.
- Allow the Petitioner to procure power through bilateral contracts/exchanges/short term contracts to maintain the desired schedule of supply in the state in case the power procurement from long term sources falls short of levels envisaged and accordingly allow the Petitioner to claim FPPCA on such purchases and allow the variations in final true up if any balance adjustment remains
- Allow the Petitioner an internal adjustment on account of the power purchase expense and apportionment of the O&M expenses and interest and finance charges incurred by UPPCL (being the Tradeco and holding company of the state distribution companies including the Petitioner) at the year-end, such that full cost recovery is allowed to UPPCL without imposing any impact on the ARR approved by the Hon'ble Commission.
- In the interim till the contracted capacities are finalized, it is humbly prayed that an internal adjustment bill may be allowed to be raised within the subsidiary companies at the year-end so that the transmission utility recovers only its costs and no unjust enrichment is allowed to it, on account of postage stamp tariff method based billing.
- Allow the Petitioner to claim dearness allowance on actual expenditure basis, in case the increase in rate of dearness allowance, announced by the GoUP exceeds the escalation index for the relevant year, as it is an uncontrollable cost.
- Allow the Petitioner to claim discount to consumers at actuals, based on audited accounts at the time of true up for FY 2015-16.
- Allow the Petitioner to modify the basis and allocation of revenue subsidy among subsidiary distribution companies based on the decision by the GoUP.
- Allow the petitioner to add/change / alter / modify this application at a future date.
- Issue any other relief order or direction which the Hon'ble Commission may deem fit.



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Appendix 1

Power Procurement Plan for FY 2015-16

EXECUTIVE SUMMARY

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

The key inputs to the power procurement plan are the load forecast for the year 2015-16, technical parameters of thermal plants of UPRVUNL & UPJVNL plants, fuel costs and tariff (i.e. capacity and energy charges) for central sector plants as well as State Sector & IPPs. For UPRVUNL & UPJVNL plants, the Petitioner has taken in to consideration the respective Multi-year Tariff (MYT) Orders issued by the Hon'ble Commission. The other technical parameters have been taken from the Uttar Pradesh Electricity Regulatory Commission (Terms and Conditions of Generation Tariff) Regulations, 2009 issued by UPERC vide notification No.UPERC/Secy/Generation Regulations/4100 Dated 31.03.09 in respect of state generating stations. The estimated power availability from various sources has been made on the basis of

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

Similarly, the cost estimates are based on relevant tariff orders, recent bills, existing arrangements, notifications, etc., for various individual sources. The projected availability from various firm sources of power and associated cost estimates are detailed in the sub-sections below. Various documents referred while estimating these parameters, including energy bills from various generating stations for August-2013 is enclosed as Annex-6 of this Petition.

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

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

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

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

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

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

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

POWER PROCUREMENT FROM STATE GENERATING STATIONS

The State of Uttar Pradesh has got both thermal as well as hydro generating stations. UPRVUNL owns all the thermal generating stations within the State and the Hydro Stations are owned by UPJVNL. The Multi Year Tariff (MYT) orders issued by the Commission for UPRVUNL and UPJVNL for their respective power stations for FY 2009-10 to 2013-14 form the basis for determining the costs for FY 2014-15 and thereafter escalations have been considered in the Fixed & Variable Charges for determination of cost for FY 2015-16.

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

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

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

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

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

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

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


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

ASSUMPTIONS FOR POWER PURCHASE FROM UPRVUNL - FY 2015-16

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

ASSUMPTIONS FOR POWER PURCHASE FROM UPJVNL - FY 2015-16

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


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CAPACITY ALLOCATION FROM CENTRAL GENERATING STATIONS & OTHER STATIONS

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

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

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

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

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

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

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

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

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

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

ASSUMPTIONS OF POWER PURCHASE FROM NTPC - FY 2015-16

S. No.	Particulars	Assumption
1	Power Purchase Quantum	Net Power Purchase Quantum is derived as a product of respective power plants MW capacity, plant load factor (PLF) and UP state's share in respective power plant. Further the quantum is approved as per Merit order despatch principles.
2	Fixed Charges	Fixed charges are computed after considering UP state's allocated share in respective power plant as per Regional Energy Accounting Report and Annual Report of NRPC and ERPC and

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

METHODOLOGY FOR POWER PURCHASE FROM NTPC - FY 2015-16

S. No.	Particulars	Assumption
1	Plant Load Factor	PLF is considered to be the average of the PLF recorded at respective power stations for the last three year's (2011-12, 2012-13 and 2013-14). The PLF number for the three years is sourced from Regional Energy Accounting Report and Annual Report of NRPC and ERPC.
2	UP State's Share in power plants	Allocation of Power from various central generating stations for FY 2014-15 both firm and unallocated quota has been considered as per the NRPC circular (NRPC/ OPR/ 103/ 02/ 2014-15) dated 12.11.2014.

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

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

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

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

ASSUMPTIONS FOR POWER PURCHASE FROM NHPC - FY 2015-16

S. No.	Particulars	Assumption
1	Power Purchase Quantum	Net Power Purchase Quantum is derived as a product of respective power plants MW capacity, plant load factor (PLF) and UP state's share in respective power plant. Power sourced from these NHPC plants is considered Must-run in Merit Order Despatch.
3	Fixed Charges	Fixed charges are computed after considering UP state's allocated share in respective power plant as per Regional Energy Accounting Report and Annual Report of NRRC and fixed cost approved by as per CERC order for respective power plants.
4	Variable Charges	Variable cost is considered as per the recent energy bills raised for the period April to September, 2014

METHODOLOGY FOR POWER PURCHASE FROM NHPC - FY 2015-16

S. No.	Particulars	Assumption
1	Energy Generation	Factoring the MW capacity, auxiliary consumption and design energy as specified by CERC for respective hydro plants the Licensee has calculated the energy sourced from each of the plant.
2	UP State's share in power plants	Allocation of Power from various central generating stations for FY 2014-15 both firm and unallocated quota has been considered as per the NRPC circular (NRPC/ OPR/ 103/ 02/ 2014-15) dated 12.11.2014.

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

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

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

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

ASSUMPTIONS FOR POWER PURCHASE FROM NPCIL - FY 2015-16

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

METHODOLOGY FOR POWER PURCHASE FROM NPCIL - FY 2015-16

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

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

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

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

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

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

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

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

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

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

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

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

POWER PURCHASE COST: OTHER SOURCES FY 2015-16

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


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SUMMARY OF POWER PURCHASE


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

SUMMARY OF POWER PURCHASE COST FY 2015-16

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,848	0.63	241	1.91	733	2.53	974	2.53
Anpara B	1,000	6,314	1.09	691	1.83	1,156	2.92	1,847	2.92
Harduaganj	165	259	2.13	55	5.10	132	7.23	187	7.23
Obra A	288	779	0.94	73	2.43	189	3.37	263	3.37
Obra B	1,000	4,158	0.61	255	2.52	1,048	3.14	1,304	3.14
Panki	210	907	1.09	99	4.36	396	5.45	495	5.45
Parichha	220	323	0.98	32	3.91	126	4.89	158	4.89
Parichha Extn.	420	2,512	1.28	322	3.33	837	4.61	1,159	4.61
Parichha Extn. Stage II	500	3,308	1.81	597	3.23	1,067	5.03	1,665	5.03
Harduaganj Ext.	500	3,158	1.95	615	3.44	1,086	5.38	1,700	5.38
Anpara D	1,000	2,916	1.18	344	1.79	521	2.96	864	2.96
Sub total - Thermal	5933	28482		3324		7291		10615	3.73
Per unit Avg Rate of Thermal Generation								3.73	
Hydro Stations									
Khara	58	151	0.78	12			0.78	12	0.78
Matatila	20	53	0.70	4			0.70	4	0.70
Obra (Hydel)	99	260	0.68	18			0.68	18	0.68
Rihand	255	670	0.60	40			0.60	40	0.60
UGC Power Stations	14	36	2.31	8			2.31	8	2.31
Belka & Babail	6	16	2.44	4			2.44	4	2.44
Sheetla	4	9	2.96	3			2.96	3	2.96
Sub total - Hydro	455	1195		88.17		0.00		88.17	0.74
Purchase Per unit Avg Rate from hydro generating stations								0.74	
Sub-Total Own generation	6388	29678		3,412.25		7,291.02		10,703.27	3.61
Procurement of power from Central Sector Generating Stations									
Anta	119	813	0.74	60	3.26	265	3.99	325	3.99
Auriya	244	1,640	0.56	91	4.36	715	4.92	806	4.92
Dadri Thermal	84	613	0.86	53	4.15	254	5.00	307	5.00
Dadri Gas	272	1,925	0.57	110	4.17	802	4.74	912	4.74

Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost (Rs. / kWh)
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	
Dadri Extension	150	1,097	1.62	177	3.92	430	5.54	608	5.54
Rihand-I	373	2,661	0.82	217	1.76	468	2.57	685	2.57
Rihand-II	348	2,478	0.95	235	1.79	444	2.74	678	2.74
Singrauli	849	6,151	0.54	333	1.32	809	1.86	1,142	1.86
Tanda	440	3,136	1.05	331	3.52	1,105	4.58	1,436	4.58
Unchahar-I	258	1,927	0.87	167	2.91	561	3.78	728	3.78
Unchahar-II	153	1,145	0.90	103	2.86	327	3.76	430	3.76
Unchahar-III	75	560	1.37	77	2.86	160	4.23	237	4.23
Farakka	33	217	0.86	19	3.65	79	4.50	98	4.50
Kahalgaon St. I	77	528	0.96	51	2.98	157	3.94	208	3.94
Kahalgaon St. II	251	1,729	1.22	212	2.81	486	4.04	698	4.04
Ph. I									
Koldam (Hydro)	95	414	1.56	65	-	-	1.56	65	1.56
Rihand-III	377	2,691	1.32	356	1.82	491	3.15	847	3.15
Sub-Total NTPC	4197	29724		2653		7554		10208	3.43
Chamera	109	336	0.60	20	1.07	36	1.67	56	1.67
Chamera-II	86	393	1.36	53	1.70	67	3.06	120	3.06
Chamera-III	62	283	2.00	57	2.20	62	4.20	119	4.20
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.85	29	2.85
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90
Sewa-II	35	137	1.89	26	2.34	32	4.23	58	4.23
Uri-II	25	111	4.98	55	1.75	19	6.73	75	6.73
Parbati ST-III	104	383	1.41	54	3.18	122	4.59	176	4.59
Sub-Total NHPC	774	3292		527.01		601.79		1,128.80	3.43
NAPP	167	937	-	-	2.79	262	2.79	262	2.79
RAPP #3&4	80	604	-	-	3.12	189	3.12	189	3.12
RAPP#5&6	115	802	-	-	3.86	310	3.86	310	3.86
Sub-Total NPCIL	362	2343				760.01		760.01	3.24
NATHPA JHAKRI HPS	288	1,387	1.60	222	1.46	203	3.06	425	3.06
TALA POWER	45	181	-	-	2.47	45	2.47	45	2.47
Koteshwar	173	570	2.02	115	2.20	125	4.22	240	4.22
Srinagar	290	519	3.02	157	-	-	3.02	157	3.02
Sasan	495	2,081	0.18	37	1.29	269	1.47	306	1.47
Teesta St-III									
Karcham-	200	158	-	-	4.00	63	4.00	63	4.00

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.)	
Wangtoo									
VISHNUPRAYAG	352	1,623	1.01	164	1.40	227	2.41	391	2.41
TEHRI STAGE-I	419	1,811	1.88	340	2.58	467	4.46	808	4.46
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Rosa Power Project	600	4,066	1.70	690	4.33	1,759	6.02	2,449	6.02
Bara	1,188	1,115	-	-	3.20	357	3.20	357	3.20
Anpara 'C'	1,100	7,015	1.19	834	2.71	1,900	3.90	2,733	3.90
IGSTPP, Jhajhjar	51	358	1.61	58	4.39	157	6.00	215	6.00
Bajaj Hindusthan	450	2,982	2.25	671	4.71	1,404	6.96	2,075	6.96
Lalitpur	1,782	8,022	1.40	1,123	1.98	1,588	3.38	2,711	3.38
Sub-Total IPP/JV	8032	35953		5100		10322		15423	4.28966
Captive and Cogen	-	2,865	-	-	4.90	1,403	4.90	1,403	4.90
Inter system exchange (Bilateral & PXIL, IEX) / UI	-	4,416	-	-	5.04	2,224	5.04	2,224	5.04
Solar Energy	-	84	-	-	11.81	99	11.81	99	11.81
NVVN Coal Power	-	352	-	-	3.00	105	3.00	105	3.00
Sub-Total : Co-Generation & Other Sources	-	7717				3,831.24		3,831.24	4.96
Grand Total of Power Purchase	19753	108707		11,692.71		30,360.9		42,053.61	3.87


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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 2015-16

S.No.	Source of Power	Type	Dispatch Mode	Variable Charge (Rs / kWh)	Power Procurement (MU)	Cumulative Procurement (MU)
1	Khara	UPJVNL-Hydro	Must Run	0.00	151	151
2	Matatila	UPJVNL-Hydro	Must Run	0.00	53	204
3	Obra (Hydel)	UPJVNL-Hydro	Must Run	0.00	260	464
4	Rihand	UPJVNL-Hydro	Must Run	0.00	670	1134
5	UGC Power Stations	UPJVNL-Hydro	Must Run	0.00	36	1170
6	Belka & Babail	UPJVNL-Hydro	Must Run	0.00	16	1186
7	Sheetla	UPJVNL-Hydro	Must Run	0.00	9	1195
8	Koldam (Hydro)	NTPC	Must Run	0.00	414	1609
9	Srinagar	IPP/JV/Others	Must Run	0.00	519	2128
10	Salal I&II	NHPC	Must Run	0.48	252	2380
11	Uri	NHPC	Must Run	0.81	497	2877
12	Chamera	NHPC	Must Run	1.07	336	3212
13	Tanakpur	NHPC	Must Run	1.15	103	3315
14	Sasan	IPP/JV/Others	Must Run	1.29	2081	5397
15	Singrauli	NTPC	Must Run	1.32	6151	11547
16	VISHNUPRAYAG	IPP/JV/Others	Must Run	1.40	1623	13170
17	Dhauliganga	NHPC	Must Run	1.45	282	13452
18	NATHPA JHAKRI HPS	IPP/JV/Others	Must Run	1.46	1387	14839
19	Chamera-II	NHPC	Must Run	1.70	393	15232
20	Uri-II	NHPC	Must Run	1.75	111	15343
21	Rihand-I	NTPC	Must Run	1.76	2661	18004
22	Anpara D	UPRVNL-Thermal	Must Run	1.79	2916	20920
23	Rihand-II	NTPC	Must Run	1.79	2478	23398
24	Rihand-III	NTPC	Must Run	1.82	2691	26089
25	Anpara B	UPRVNL-Thermal	Must Run	1.83	6314	32403
26	Anpara A	UPRVNL-Thermal	Must Run	1.91	3848	36251
27	Lalitpur	IPP/JV/Others	Merit	1.98	8022	44273
28	Koteshwar	IPP/JV/Others	Must Run	2.20	570	44843
29	Chamera-III	NHPC	Must Run	2.20	283	45126
30	Sewa-II	NHPC	Must Run	2.34	137	45262
31	Obra A	UPRVNL-Thermal	Must Run	2.43	779	46041

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

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

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SUMMARY OF MONTHLY POWER PURCHASE FOR FY 2015-16

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

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

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Annexure-1

Tariff Filing Formats as prescribed by Distribution Tariff Regulations

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

	Summary Formats		
1	Sheet	S1	Profit & Loss Account
2	Sheet	S2	Balance Sheet
3	Sheet	S3	Cash flow statement
4	Sheet	S4	Annual Revenue Requirement
5	Sheet	S5	Information about equity and loan
6	Sheet	S6	Information about Working Capital
7	Sheet	S7	Reasonable Return
8	Sheet	S8	Energy Balance
9	Sheet	S9	Truing Up of past account
	Financial Formats		
10	Sheet	F1 (a1)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2013-14
11	Sheet	F1 (a2)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2014-15
12	Sheet	F1 (a3)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2015-16
13	Sheet	F2	Revenue Grants & subsidies
14	Sheet	F3	Other income
15	Sheet	F4	Summary of Own Generation & Power Purchase
16	Sheet	F4a	Power purchase Details
17	Sheet	F4b	Intra State Transmission (TRANSCO) Charges
18	Sheet	F5	R&M Expenses
19	Sheet	F6a	Employees' Cost & Provisions
20	Sheet	F7	Administration & General Expenses
21	Sheet	F8	Statement of Fixed Assets and Depreciation
22	Sheet	F9	Interest & Finance charges
23	Sheet	F9a	Domestic loans,bonds and financial leasing
24	Sheet	F10	Details of Expenses Capitalised
25	Sheet	F11	Other Debits
26	Sheet	F12	Statement of Sundry Debtors & provision for bad & doubtful debtors
27	Sheet	F13	Extraordinary Items
28	Sheet	F14	Net Prior Period Expenses/Income
29	Sheet	F15	Contribution Grants & subsidies towards Capital assets
30	Sheet	F17	Statements of assets not in use
31	Sheet	F18	Investments
32	Sheet	F19	Current Assets and Liabilities
33	Sheet	Additional Form	Capital Investment Plan for FY 2014-15 & FY 2015-16
34	Sheet	Additional Form	Capital Formation During FY 2013-14 to FY 2015-16
35	Sheet	T3	Revenue Assesment,Sales & Through Rate :FY 2014-15
36	Sheet	T4	Revenue Assesment,Sales & Through Rate :FY 2015-16
	Performance Formats		
37	Sheet	P1	Agewise Analysis of Revenue Arrears
38	Sheet	P1a	Agewise Analysis of Revenue Arrears of Government
39	Sheet	P2	Distribution Losses in LT and HT System
44	Sheet	P4	Voltage Profile
45	Sheet	P5	Technical Parameters
48	Sheet	P8	Billing Periodicity
53	Sheet	P13	Release of New service Connections

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						
Profit & Loss Account						Form SI
S.No	Particulars	FY 2012-13 Audited	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
A	Revenue					
1	Revenue from sale of power	7441.14	7441.14	9025.95	11301.47	12197.36
2	Other Non-tariff income	12.54	12.54	20.15	21.70	22.59
3	Revenue subsidies & grants	1851.02	1851.02	1546.79	1644.28	1749.26
4	Revenue from Bulk Sales to Torrent Power Ltd	0.00	0.00	0.00	0.00	0.00
	Total Revenue or Income	9304.70	9304.70	10592.89	12967.45	13969.22
B	Expenditure*					
1	Purchase of Power from own and State Generating Stations	8546.14	9498.65	9446.77	12196.51	13580.62
2	Purchase of Power from Other Sources					
3	Intra-State Transmission Charges	411.92	416.24	325.34	518.68	613.85
4	Repairs and Maintenance	207.75	207.75	207.52	244.50	256.77
5	Employee costs	529.10	529.10	390.96	629.38	672.46
6	Administration and General expenses	63.02	63.02	71.76	77.59	87.37
7	Net prior period credit charges	63.39	63.39	36.38	0.00	0.00
8	Other Debits, Write-offs	24.43	148.82	3.68	226.03	243.95
9	Other Misc Expenses / Incomes	11.13	11.13	8.62	0.00	0.00
10	Reasonable Return	0.00	0.00	0.00	0.00	0.00
11	Less: Expenses Capitalized	(149.40)	(149.40)	(164.29)	(106.04)	(113.98)
	Contingency Reserve	0.00	0.00	0.00	0.00	0.00
C	PBDIT	(402.80)	(1484.01)	266.16	(819.19)	(1371.83)
D	Less Depreciation and Related debits	116.34	398.18	137.34	369.33	440.50
E	PBIT	(519.13)	(1882.19)	128.82	(1188.52)	(1812.33)
1	Interest & Finance Charges	792.64	277.03	1070.94	480.71	610.82
2	Less: Interest Capitalized	(8.42)	(8.42)	(3.05)	(60.90)	(87.74)
F	Total Interest and Finance Charges	784.22	268.61	1067.89	419.81	523.09
G	TOTAL EXPENDITURE	10608.05	11455.50	11531.96	14575.78	16304.63
H	Profit/Loss before Tax	(1303.35)	(2150.80)	(939.07)	(1608.33)	(2335.42)
I	Add: Allocation of Interest Charges and O&M of UPPCL	0.00	47.31	48.92	53.73	53.55
J	Add: Efficiency Gains	0.00	0.00	0.00	0.00	0.00
K	Profit/Loss before Tax	(1303.35)	(2198.11)	(987.99)	(1662.06)	(2388.97)

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S.No	Particulars	FY 2012-13 Audited	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
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 had adopted a normative tariff approach towards capital structure. This entailed that regulatory balances towards equity, GFA, accumulated depreciation, loans, etc would be different from financial statements. Hence, Forms S2, S3 and F19 have become infrutuous as they would not match with financial statements. Considering the above, the Licensee seeks waiver from filing the Form Nos S2, S3 and F19.

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S.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	Provisional Accounts	Revised Estimates	ARR
A	Net Funds from Operations:				
	Net (loss)/ profit before tax but after exceptional/ extra ordinary items				
	Adjustments for :				
	Depreciation and amortization				
	Interest expenses				
	Income from Investments				
	(Profit) / Loss on fixed asset sold				
	Miscellaneous expenditures written off				
	Deferred revenue expenditure written off				
	Debts/advances written off				
	Provision for bad and doubtful debts				
	Liability no longer required written back				
	Provision for Gratuity and Leave Encashment				
	Exceptional/ Extraordinary items Expenses/ (income)				
	Diminution in value of investments				
	Operating profits before working capital changes				
	Adjustment for changes in working capital				
	(Increase)/ decrease in sundry debtors				
	(Increase)/ decrease in other receivables				
	(Increase)/ decrease in inventories				
	Increase /(decrease) in in trade and other payables				
	Cash generated from operations				
	Taxes (paid)/ received (net of TDS)				
	Net cash from operating activities				
B	Case flow from investing activities				
	Purchase of fixed assets:				
	Additions during the period				
	Capital work in progress:				
	Additions during the period				
	Proceeds from sale of fixed assets				
	Proceeds from sale of investments				
	Purchase of investments				
	Interest received (revenue)				
	Net cash used in investing activities				
C	Cash flow from financing activities				
	Proceeds/(Repayments) of long term borrowings (net)				
	Equity from GoUP				
	Proceeds from consumers contribution and GoUP capital subsidy				
	Capital contribution from consumers and GoUP capital subsidy diminished				

The Hon'ble Commission in the True up Order for FY 2000-01 to FY 2007-08 dated 21st May, 2013 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.


Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited					
Cash Flow Statement				Form No: S3	
S.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	Provisional Accounts	Revised Estimates	ARR
	Consumer security deposits				
	Repayment of borrowing				
	Interest paid on borrowing				
	Interest payment adjustment				
	Restructuring reserve relating to transfer scheme 2000/2003				
	Material cost variance adjustments				
	Adjustment relating to Uttaranchal Power Corporation Limited				
	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				


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S.No	Particulars	FY 2012-13 Audited	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
	Power Purchase or Energy Available (MU)	23,673.53	23,673.53	24,098.90	29,026.40	31,259.41
	Sale of Power (MU)	17,007.34	17,007.34	18,542.01	22,467.15	24,336.84
	Loss %	28.16%	28.16%	23.06%	22.60%	22.15%
1	Receipts					
a	Revenue from tariffs & Miscell. Charges (incl bulk sales to TPL)	7,441.14	7,441.14	9,025.95	11,301.47	12,197.36
b	Subsidy from Govt.	1,851.02	1,851.02	1,546.79	1,644.28	1,749.26
c	Torrent power ltd					
	Total	9,292.16	9,292.16	10,572.74	12,945.74	13,946.62
2	Expenditure					
a	Purchase of Power	8,546.14	9,498.65	9,446.77	12,196.51	13,580.62
b	Purchase of Power from Other Sources					
c	Intra-State Transmission Charges	411.92	416.24	325.34	518.68	613.85
d	R&M Expense	207.75	207.75	207.52	244.50	256.77
e	Employee Expenses	529.10	529.10	390.96	629.38	672.46
f	A&G Expense	63.02	63.02	71.76	77.59	87.37
g	Depreciation	116.34	398.18	137.34	369.33	440.50
h	Interest & Finance Charges	792.64	277.03	1,070.94	480.71	610.82
i	Less: Interest & other expenses capitalised	157.82	157.82	167.34	166.94	201.71
j	Other Debits (incl. Prov for Bad debts)	24.43	148.82	3.68	226.03	243.95
k	Other Misc Expenses / Incomes	11.13	11.13	8.62	-	-
l	Other (Misc.)-net prior period credit	63.39	63.39	36.38	-	-
	Total	10,608.05	11,455.50	11,531.96	14,575.78	16,304.63
3(i)	Reasonable Return	-	-	-	-	-
3(ii)	Contingency Reserve	-	-	-	-	-
4	Non tariff income	12.54	12.54	20.15	21.70	22.59
5	Annual Revenue Requirement (2)+(3)-(4)	10,595.50	11,442.96	11,511.81	14,554.08	16,282.04
6	Surplus(+) / Shortfall(-) : (1)-(5)	(1303.35)	(2150.80)	(939.07)	(1608.33)	(2335.42)
	before tariff revision					
7	Add: Allocation of Interest Charges and O&M of UPPCL		47.31	48.92	53.73	53.55
8	Efficiency Gains					
9	Surplus(+) / Shortfall(-) : (1)-(5)	(1303.35)	(2198.11)	(987.99)	(1662.06)	(2388.97)
	before tariff revision					
10	Tariff Revision Impact	-	-	-	-	-
11	Surplus(+) / Shortfall(-) : (6)-(7)	(1,303.35)	(2,198.11)	(987.99)	(1,662.06)	(2,388.97)
	after tariff revision					

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited					
Information regarding amount of Equity & Loan					Form No: S5
Sr. No.	Period	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
1	Amt. of Regulatory Equity (Rs. in crores)	1,839.15	2,478.20	3,024.57	3,721.02
2	Amt. of Regulatory Loan (Rs. in crores)	1,356.17	1,918.04	2,823.56	4,008.11
3	Debt Equity Ratio	74%	77%	93%	108%



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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited

Information regarding Working Capital

Form No: S6

Sr. No.	Particulars	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
1	One month's O & M Expenses	66.66	55.85	79.29	84.72
2	One-twelfth of the sum of the book value of materials in stores at the end of each month of such financial year.	23.99	26.24	14.88	18.97
3	Receivables equivalent to 60 days average billing on consumers	1,223.20	1,483.72	1,857.78	2,005.05
	Gross Total	1,313.85	1,565.81	1,951.94	2,108.73
Less:					
1	Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	939.05	999.10	1,095.08	1,233.91
	Net Working Capital	374.80	566.71	856.87	874.82
	Rate of Interest on Working Capital	12.50%	12.50%	12.50%	12.50%
	Normative Interest on Working Capital	46.85	70.84	107.11	109.35


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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited


Reasonable Return

Form No: S7

S.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		True-Up	Provisional Accounts	Revised Estimates	ARR
	Shareholders' Funds				
1	Share Capital	1,839.15	2,478.20	3,024.57	3,721.02
2	Reserves and Surplus	-6,377.81	-7,191.89	-8,853.95	-11,242.92
	Total Equity	-4,538.67	-4,713.69	-5,829.39	-7,521.91
	Return as a % of Equity				

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited		Form No: S8				
Energy Balance						
S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Purchase of Power					
	Power from own Stations (if any)	23,673.53	23,673.53	24,098.90	29,026.40	31,259.41
	Power from State Stations					
	Power from Central Stations					
	Power from Other Sources					
	i.					
	ii.					
	iii.					
	Total Power Available	24,971.73	24,971.73	26,027.41	30,618.14	32,967.11
2	Energy Sales within the state					
	a) LT Sales					
	b) HT Sales					
	c) EHT Sales					
	Total Energy Sales	17,007.34	17,007.34	18,542.01	22,467.15	24,336.84
3	Distribution Loss	28.16%	28.16%	23.06%	22.60%	22.15%
4	Total Transmission losses	5.20%	5.20%	7.41%	5.20%	5.18%
5	Tradable Power	23,673.53	23,673.53	24,098.90	29,026.40	31,259.41


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S.No	Particulars	FY 2012-13		
		Tariff Order	Audited	True-up
	Power Purchase or Energy Available (MU)	22,318.33	23,673.53	23,673.53
	Sale of Power (MU)	16,851.76	17,007.34	17,007.34
	Loss %	24.49%	28.16%	24.49%
1	Receipts			
a	Revenue from tariffs & Miscell. Charges	7451.95	7441.14	7441.14
b	Subsidy from Govt.	1046.05	1851.02	1851.02
	Total	8498.00	9292.16	9292.16
2	Expenditure			
a	Purchase of Power	8054.03	8546.14	9498.65
b	Purchase of Power from Other Sources			
c	Intra-State Transmission Charges	388.34	411.92	416.24
d	R&M Expense	216.58	207.75	207.75
e	Employee Expenses	369.87	529.10	529.10
f	A&G Expense	41.41	63.02	63.02
g	Depreciation	363.35	116.34	398.18
h	Interest & Finance Charges	300.21	792.64	277.03
i	Less: Interest & other expenses capitalised	-79.99	-157.82	-157.82
j	Other Debits (incl. Prov for Bad debts)	0.00	24.43	148.82
k	Extraordinary Items	0.00	11.13	11.13
l	Other (Misc.)-net prior period credit	0.00	63.39	63.39
m	Allocation of UPPCL Charges	0.00	0.00	47.31
n	Efficiency Gains	0.00	0.00	0.00
	Total	9653.79	10608.05	11502.81
3	Reasonable Return	0.00	0.00	0.00
4	Other Income	21.61	12.54	12.54
5	Annual Revenue Requirement (2)+(3)-(4)	9632.18	10595.50	11490.27
6	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	-1134.19	-1303.35	-2198.11
7	Tariff Revision Impact			
8	Surplus(+) / Shortfall(-) : (6)-(7)after tariff revision	-1134.19	-1303.35	-2198.11

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SUPPLY TYPE	CATG.	Meerut DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	1,278,688	2,370,075	2,090
		(ii) Metered	248,340	417,564	258
	(B)	Supply at Single Point for Bulk Load	335	198,765	295
	(C1)	Other Metered Domestic Consumers	1,565,976	3,869,174	4,113
	(C2)	Life Line Consumers/BPL	118,274	121,064	129
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	3,211,613	6,976,642	6,885
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	4,326	9,994	9
		(ii) Metered	23,791	60,824	121
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	2,898	6,307	26
	(C)	Other Metered Non-Domestic Supply	316,604	838,196	887
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	347,619	915,321	1,043
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	438	3,129	8
		(ii) Nagar Palika & Nagar Panchyat	172	8,210	29
		(iii) Nagar Nigam	33	9,556	29
	(B)	Metered Supply			
		(i) Gram Panchyat	20	227	2
		(ii) Nagar Palika & Nagar Panchyat	163	10,123	40
		(iii) Nagar Nigam	263	19,233	72
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,089	50,478	179
LMV--4	(A)	Public Institution(4 A)	11,763	60,540	158
	(B)	Private Institution(4 B)	2,151	22,400	40
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	13,914	82,940	198
LMV--5	(A)	Rural Schedule			
		(i) Un metered Supply	361,896	1,997,717	2,384
		(ii) Metered Supply	4,491	20,268	15
	(B)	Urban Schedule			
		(i) Metered Supply	2,988	21,086	36
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	369,375	2,039,071	2,435
LMV--6	(A)	Small & Medium Power (Power Loom)			
		(i) Rural Schedule	99	3,306	8
		(ii) Urban Schedule	2,465	15,324	46
	(B)	Small & Medium Power			
		(i) Rural Schedule	8,061	64,292	78
		(ii) Urban Schedule	41,691	554,459	794
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	52,316	637,381	926
LMV--7	(A)	Rural Schedule			
		(i) Jal Nigam	188	4,260	10
		(ii) Jal Sansthan	47	894	5
		(iii) Others (Water Works)	255	6,787	16
	(B)	Urban Schedule			
		(i) Jal Nigam	136	10,987	31
		(ii) Jal Sansthan	135	3,307	11
		(iii) Others (Water Works)	1,976	67,675	233
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	2,732	93,910	305
LMV--8	(A)	Metered Supply	308	4,254	17
	(B)	Un-metered Supply			
		(i) STW,Panchayat Raj WB I.Duch P.C, L 1 upto 100 BHP	4,771	64,489	235
		(ii) Laghu Dal Nahar above 100 BHP	-	-	0
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	5,079	68,743	251
LMV--9	(A)	Metered Supply			
		(i) Individual Residential Consumers	1,559	12,356	10
		(ii) Others	-	-	-
	(B)	Un-metered Supply			
		(i) Ceremonies	6	20	0
		(ii) Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	1,565	12,376	10
LMV--10	(A)	Serving			
		(i) Class IV Employees	3,831	13,328	16
		(ii) Class III Employees	6,174	23,822	26
		(iii) Junior Engineers & Equivalent	632	2,604	4
		(iv) Assistant Engineers & Equivalent	289	1,353	3
		(v) Executive Engineers & Equivalent	167	849	2
		(vi) Deputy General Manager & Equivalent	31	151	0
		(vii) CGM/GM & Equivalent posts and above	67	169	0
	(B)	Total Pensioner & Family Pensioner	10,326	32,879	60
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	21,517	75,155	112
HV--1	(A)	Urban Schedule			
		(i) For supply at 11kV	824	399,613	454
		(ii) For supply at 33 kV & above	-	115,232	121

SUPPLY TYPE	CATG.	Meerut DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Rural Schedule			
	(i)	For supply at 11kV	24	3,827	53
	(ii)	For supply at 33 kV & above	-	-	13
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HIV-1)	870	518,673	641
HIV--2	(A)	Urban Schedule			
	(i)	For supply at 11kV	5,138	1,439,980	3,510
	(ii)	For supply above 11kV and upto & Including 66kV	209	449,269	1,631
	(iii)	For supply above 66kV and upto & Including 132kV	6	54,414	147
	(iv)	For supply above 132kV	1	24,376	166
	(B)	Rural Schedule			
	(i)	For supply at 11kV	3	380	31
	(ii)	For supply above 11kV and upto & Including 66kV	2	2,100	12
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HIV-2)	5,359	1,970,519	5,497
HV--3	(A)	For supply at and above 132kV	1	7,200	21
	(B)	For supply below 132kV	1	5,000	8
	(C)	For Delhi Metro Rail	1	9,000	29
SUB TOTAL		RAILWAY TRACTION (HIV-3)	3	21,200	58
HV--4	(A)	For supply at 11kV	2	311	0
	(B)	For supply above 11kV and upto 66kV	-	-	1
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P.C ABOVE 100 BHP (75kW) (HIV-4)	2	311	2
EXTRA STATE	(A)	EXTRA STATE & OTHERS	-	-	-
SUB TOTAL		EXTRA STATE CONSUMERS	-	-	-
BULK	(A)	Torrent (Depicted as Retail Sales)	1	45,000	330
	(B)	KESCO			
SUB TOTAL		BULK SUPPLY	1	45,000	330
GRAND TOTAL			4,033,059	13,507,720	18,872

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SUPPLY TYPE	CATG.	Meerut DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	1,150,819	2,370,075	3,072
	(ii)	Metered	494,380	831,261	490
	(B)	Supply at Single Point for Bulk Load	338	200,753	300
	(C1)	Other Metered Domestic Consumers	1,628,615	4,023,941	4,202
	(C2)	Life Line Consumers/BPL	121,822	124,696	143
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	3,395,975	7,550,725	8,206
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	4,542	9,994	13
	(ii)	Metered	26,170	90,434	181
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	3,043	6,622	7
	(C)	Other Metered Non-Domestic Supply	338,766	896,870	1,042
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	372,522	1,003,920	1,244
LMV--3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	451	3,129	11
	(ii)	Nagar Palika & Nagar Panchyat	181	8,210	35
	(iii)	Nagar Nigam	36	9,556	41
	(B)	Metered Supply			
	(i)	Gram Panchyat	22	254	3
	(ii)	Nagar Palika & Nagar Panchyat	171	10,629	45
	(iii)	Nagar Nigam	276	20,195	85
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,138	51,973	222
LMV--4	(A)	Public Institution(4 A)	12,234	64,645	198
	(B)	Private Institution(4 B)	2,216	23,072	47
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	14,449	87,717	245
LMV--5	(A)	Rural Schedule			
	(i)	Un metered Supply	361,896	1,997,717	3,296
	(ii)	Metered Supply	4,716	26,093	179
	(B)	Urban Schedule			
	(i)	Metered Supply	3,137	23,349	40
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	369,749	2,047,158	3,514
LMV--6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	104	900	2
	(ii)	Urban Schedule	2,588	19,014	57
	(B)	Small & Medium Power			
	(i)	Rural Schedule	8,303	66,443	81
	(ii)	Urban Schedule	45,443	619,508	931
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	56,438	705,865	1,072
LMV--7	(A)	Rural Schedule			
	(i)	Jal Nigam	207	5,548	15
	(ii)	Jal Sansthan	52	1,046	6
	(iii)	Others (Water Works)	281	7,466	18
	(B)	Urban Schedule			
	(i)	Jal Nigam	163	13,184	43
	(ii)	Jal Sansthan	151	4,264	16
	(iii)	Others (Water Works)	2,174	74,443	260
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	3,027	105,950	358
LMV--8	(A)	Metered Supply	323	4,658	19
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	4,894	66,153	314
	(ii)	Laghu Dal Nahar above 100 BHP	-	-	-
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	5,218	70,811	332
LMV--9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	1,684	31,643	88
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	6	122	0
	(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	1,690	31,766	89
LMV--10	(A)	Serving			
	(i)	Class IV Employees	3,908	415,187	17
	(ii)	Class III Employees	6,668	25,728	28
	(iii)	Junior Engineers & Equivalent	657	2,720	4
	(iv)	Assistant Engineers & Equivalent	292	1,367	3
	(v)	Executive Engineers & Equivalent	169	857	2
	(vi)	Deputy General Manager & Equivalent	32	154	0
	(vii)	CGM/GM & Equivalent posts and above	70	281	0
	(B)	Total Pensioner & Family Pensioner	10,675	33,992	63
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	22,471	480,286	117
HV--1	(A)	Urban Schedule			
	(i)	For supply at 11kV	832	403,609	458
	(ii)	For supply at 33 kV & above	32	17,465	495
	(B)	Rural Schedule			

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited					
Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2014-15				Form No: FI(a2)	
SUPPLY TYPE	CATG.	Meerut DISCOM FY 2014-15	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(i)	For supply at 11kV	25	4,018	55
	(ii)	For supply at 33 kV & above	-	-	-
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	880	525,093	1,008
HV--2	(A)	Urban Schedule			
	(i)	For supply at 11kV	5,395	1,511,979	3,686
	(ii)	For supply above 11kV and upto & Including 66kV	219	471,732	1,755
	(iii)	For supply above 66kV and upto & Including 132kV	7	65,297	335
	(iv)	For supply above 132kV	1	25,595	178
	(B)	Rural Schedule			
	(i)	For supply at 11kV	3	399	32
	(ii)	For supply above 11kV and upto & Including 66kV	2	2,100	12
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	5,628	2,077,102	5,999
HV--3	(A)	For supply at and above 132kV	1	7,560	25
	(B)	For supply below 132kV	1	5,000	8
	(C)	For Delhi Metro Rail	-	9,000	29
SUB TOTAL		RAILWAY TRACTION (HV-3)	2	21,560	62
HV--4	(A)	For supply at 11kV	2	311	0
	(B)	For supply above 11kV and upto 66kV	-	-	-
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P.C ABOVE 100 BHP (75kW) (HV-4)	2	311	0
EXTRA STATE	(A)	EXTRA STATE & OTHERS	-	-	-
SUB TOTAL		EXTRA STATE CONSUMERS	-	-	-
BULK	(A)	Torrent	1	45,000	-
	(B)	KESCO			
SUB TOTAL		BULK SUPPLY	1	45,000	-
GRAND TOTAL			4,249,188	14,805,238	22,467

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SUPPLY TYPE	CATG.	Meerut DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV-1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	895,082	2,370,075	3,072
	(ii)	Metered	1,340,973	2,254,740	1,359
	(B)	Supply at Single Point for Bulk Load	342	202,760	310
	(C1)	Other Metered Domestic Consumers	1,693,760	4,184,899	4,476
	(C2)	Life Line Consumers/BPL	125,477	128,437	150
SUB TOTAL		DOMESTIC LIGHT FAN & POWER (LMV-1)	4,055,633	9,140,911	9,368
LMV-2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	4,769	9,994	13
	(ii)	Metered	28,787	99,478	204
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	3,195	6,953	7
	(C)	Other Metered Non-Domestic Supply	362,480	959,651	1,142
SUB TOTAL		NON DOMESTIC LIGHT FAN & POWER (LMV-2)	399,231	1,076,076	1,367
LMV-3	(A)	Un-metered Supply			
	(i)	Gram Panchyat	465	3,129	11
	(ii)	Nagar Palika & Nagar Panchyat	190	8,210	35
	(iii)	Nagar Nigam	40	9,556	41
	(B)	Metered Supply			
	(i)	Gram Panchyat	25	285	3
	(ii)	Nagar Palika & Nagar Panchyat	180	11,161	49
	(iii)	Nagar Nigam	290	21,204	92
SUB TOTAL		PUBLIC LAMPS (LMV-3)	1,189	53,545	232
LMV-4	(A)	Public Institution(4 A)	12,723	67,231	211
	(B)	Private Institution(4 B)	2,282	23,764	49
SUB TOTAL		LIGHT, FAN & POWER FOR PUB./PRIV. INST.(LMV-4)	15,005	90,995	261
LMV-5	(A)	Rural Schedule			
	(i)	Un metered Supply	361,896	1,997,717	3,296
	(ii)	Metered Supply	4,951	27,397	187
	(B)	Urban Schedule			
	(i)	Metered Supply	3,294	24,516	42
SUB TOTAL		PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	370,142	2,049,630	3,525
LMV-6	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	109	945	2
	(ii)	Urban Schedule	2,718	19,965	61
	(B)	Small & Medium Power			
	(i)	Rural Schedule	8,552	68,436	86
	(ii)	Urban Schedule	49,533	675,264	1,040
SUB TOTAL		SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	60,912	764,610	1,189
LMV-7	(A)	Rural Schedule			
	(i)	Jal Nigam	227	6,102	16
	(ii)	Jal Sansthan	57	1,151	6
	(iii)	Others (Water Works)	309	8,212	19
	(B)	Urban Schedule			
	(i)	Jal Nigam	196	15,821	51
	(ii)	Jal Sansthan	169	4,775	18
	(iii)	Others (Water Works)	2,391	81,887	286
SUB TOTAL		PUBLIC WATER WORKS(LMV-7)	3,349	117,949	398
LMV-8	(A)	Metered Supply	340	4,891	19
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	5,020	67,860	322
	(ii)	Laghu Dal Nahar above 100 BHP	-	-	-
SUB TOTAL		STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	5,360	72,751	341
LMV-9	(A)	Metered Supply			
	(i)	Individual Residential Consumers	1,813	34,175	98
	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	6	125	0
	(ii)	Temporary Shops	-	-	-
SUB TOTAL		TEMPORARY SUPPLY (LMV-9)	1,825	34,300	98
LMV-10	(A)	Serving			
	(i)	Class IV Employees	3,986	423,491	18
	(ii)	Class III Employees	7,201	27,786	31
	(iii)	Junior Engineers & Equivalent	684	2,829	4
	(iv)	Assistant Engineers & Equivalent	295	1,380	3
	(v)	Executive Engineers & Equivalent	170	866	2
	(vi)	Deputy General Manager & Equivalent	32	157	0
	(vii)	CGM/GM & Equivalent posts and above	74	295	0
	(B)	Total Pensioner & Family Pensioner	11,037	35,142	66
SUB TOTAL		DEPARTMENTAL EMPLOYEES (LMV-10)	23,479	491,946	125
HV-1	(A)	Urban Schedule			
	(i)	For supply at 11kV	841	407,645	463
	(ii)	For supply at 33 kV & above	23	119,774	500
	(B)	Rural Schedule			
	(i)	For supply at 11kV	26	4,219	58
	(ii)	For supply at 33 kV & above	-	-	-
SUB TOTAL		NON INDUSTRIAL BULK LOADS (HV-1)	890	531,638	1,011

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited					
Billing Determinants: Projected Consumer Numbers, Connected Load & Total Sale: FY 2015-16				Form No: FI(a3)	
SUPPLY TYPE	CATG.	Meerut DISCOM FY 2015-16	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
HV-2	(A)	Urban Schedule			
		(i) For supply at 11kV	5,665	1,587,578	3,870
		(ii) For supply above 11kV and upto & Including 66kV	230	495,319	1,842
		(iii) For supply above 66kV and upto & Including 132kV	9	78,356	403
		(iv) For supply above 132kV	1	26,875	187
	(B)	Rural Schedule			
		(i) For supply at 11kV	3	419	34
		(ii) For supply above 11kV and upto & Including 66kV	2	2,100	12
SUB TOTAL		LARGE & HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)	5,910	2,190,647	6,348
HV-3	(A)	For supply at and above 132kV	1	7,938	26
	(B)	For supply below 132kV	1	5,000	8
	(C)	For Delhi Metro Rail	-	9,000	29
SUB TOTAL		RAILWAY TRACTION (HV-3)	2	21,938	63
HV-4	(A)	For supply at 11kV	2	311	0
	(B)	For supply above 11kV and upto 66kV	-	-	-
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB TOTAL		LIFT IRRIGATION & P.C ABOVE 100 BHP (75kW) (HV-4)	2	311	0
EXTRA STATE	(A)	EXTRA STATE & OTHERS	-	-	-
SUB TOTAL		EXTRA STATE CONSUMERS	-	-	-
BULK	(A)	Torrent	1	45,000	-
	(B)	KESCO	-	-	-
SUB TOTAL		BULK SUPPLY	1	45,000	-
GRAND TOTAL			4,942,929	16,682,247	24,337

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						Form No: F2
Revenue & Capital Subsidies						
S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A	Revenue Subsidies And Grants					
1	Revenue Subsidy					
2	Agriculture Subsidy	1,851.02	1,851.02	1,546.79	1,644.28	1,749.26
3	Sudsidy adjustment against ED					
4						
5	Subsidy for Power Looms					
	Sub-Total	1,851.02	1,851.02	1,546.79	1,644.28	1,749.26
B	Capital Subsidies And Grants					
1	APDRP					
2	PTW					
3	UPSIDC					
4	Indian Industries Association					
5	Others					
	Sub-Total	-	-	-	-	-
	Total	1,851.02	1,851.02	1,546.79	1,644.28	1,749.26
S.No	Actual Flow of Funds	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
	In Rs Crores	Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Balance Subsidy for Previous years Receivable					
2	Subsidy Due for the year	1,851.02	1,851.02	1,546.79	1,644.28	1,749.26
3	Total Subsidy Receivable	1,851.02	1,851.02	1,546.79	1,644.28	1,749.26
4	Cash	1,851.02	1,851.02	1,546.79	1,644.28	1,749.26
5	ED Adjustment/Retained	-	-	-	-	-
6	Cess Adjustment/Retained					
7	Central Assistance Adjustment					
8	Adjustment of Penal intt on ED & Cess					
9	Adjustment of Past Loans					
10	Adjustment of Interst on Loan					
11	Total Subsidy Received	1,851.02	1,851.02	1,546.79	1,644.28	1,749.26
12	Balance Subsidy Receivable: (3)-(12)	-	-	-	-	-

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S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A	Income from Investment					
1	Interest Income from Investments	0.00	0.00	0.00	0.00	0.00
2	Interest on fixed deposits	-	-	-	-	-
3	Interest from Banks other than Fixed Deposits	8.41	8.41	17.53	18.87	19.65
4	Interest on (any other items)	-	-	-	-	-
	Sub-Total (A)	8.41	8.41	17.53	18.88	19.65
B	Non Tariff Income					
1	Interest on loans and Advances to staff	0.11	0.11	0.41	0.44	0.46
2	Interest on Loans and Advances to Licensee					
3	Interest on Loans and Advances to Lessors					
4	Interest on Advances to Suppliers / Contractors	3.12	3.12	1.56	1.68	1.75
5	Income from Trading					
6	Gain on Sale of Fixed Assets					
7	Miscellaneous receipts	0.21	0.21	0.24	0.26	0.27
8	Delayed payment charges from consumers					
9	Meter Rent					
10	Recovery from theft of energy					
11	Wheeling charges					
12	Misc. charges from consumers					
13	Income from Other Business					
14	Contract Demand Violation Charges					
15	Less: Rebate for supply at higher voltage	0.69	0.69	0.41	0.44	0.46
16	Less: Any other rebates					
	Sub-Total (B)	4.13	4.13	2.63	2.83	2.94
	Total	12.54	12.54	20.15	21.70	22.59


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Name of Distribution Licensee: Paschimanchal Vidyut Vitaran Nigam Limited																Form No: F-4a
Details of Monthly Electricity Purchases from different Generating Stations - FY 2013-14																
MONTH	Plant Capacity	UTILITY'S SHARE		Availability of Generating Station	Total Fixed or Capacity Charges	ESO by Generator	Energy Share to be received by the utility (Deducting auxiliary consumption)	Energy Units received by utility at its periphery (After deducting inter state/intra state transmission losses)	Fixed or Capacity charges to be paid by the utilities	Var Charges/Energy Charges to be paid by the utilities	Incentive to generating stations (if any)	Transmission /Wheeling Charges (inter state/intra state)	Any other charges	Avg cost of energy at gen bus bar	Avg cost of energy recd at interface point of the utility	
	MW	MW	%		Rs Cr	MU	MU	MU	p/u	p/u	p/u	p/u	p/u	p/u	p/u	
1	2	3	4		5	6	7	9	10	11	12	13	14	15	16	
April																
May																
June																
July																
August																
September																
October																
November																
December																
January																
February																
March																
TOTAL								24098.90								
Annual Bills for the past period due to revision of energy account/ tariff revision																
Total Cost																

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited									
Details of Monthly Electricity Purchases from different Generating Stations - FY 2014-15								Form No: F4a	
Source of Power	MW Available	MU	Fixed Cost		Variable Cost		Total Cost		Average Cost
			(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)	(Rs. Cr.)	(Rs. / kWh)
Procurement of power from State Sector Generating Stations									
Thermal Stations									
Anpara A	630	3,848	0.61	235	1.80	692	2.41	927	2.41
Anpara B	1,000	6,314	1.08	684	1.73	1,090	2.81	1,774	2.81
Harduaganj	165	259	2.10	54	4.81	124	6.91	179	6.91
Obra A	288	779	0.93	72	2.29	179	3.22	251	3.22
Obra B	1,000	4,158	0.60	249	2.38	989	2.98	1,238	2.98
Panki	210	907	1.06	96	4.11	373	5.17	469	5.17
Parichha	220	323	0.96	31	3.69	119	4.65	150	4.65
Parichha Extn.	420	2,512	1.27	318	3.14	789	4.41	1,108	4.41
Parichha Extn. Stage II	500	3,308	1.79	593	3.04	1,007	4.84	1,600	4.84
Harduaganj Ext.	500	3,158	1.93	610	3.24	1,024	5.18	1,634	5.18
Anpara D	-	-	0.00	-	0.00	-	0.00	-	0.00
Sub total - Thermal	4,933	25,566	0.00	2,943	0.00	6,387	0.00	9,330	3.65
Per unit Avg Rate of Thermal Generation								3.65	
Hydro Stations									
Khara	58	151	0.75	11	0.00	-	0.75	11	0.75
Matatila	20	53	0.68	4	0.00	-	0.68	4	0.68
Obra (Hydel)	99	260	0.66	17	0.00	-	0.66	17	0.66
Rihand	255	670	0.57	38	0.00	-	0.57	38	0.57
UGC Power Stations	14	36	2.22	8	0.00	-	2.22	8	2.22
Belka & Babail	6	16	2.34	4	0.00	-	2.34	4	2.34
Sheetla	4	9	2.84	3	0.00	-	2.84	3	2.84
Sub total - Hydro	455	1,195		85		-		85	0.71
Purchase Per unit Avg Rate from hydro generating stations								0.71	
Sub-Total Own generation	5388	26761		3,027.36		6,386.89		9,414.25	3.52
Procurement of power from Central Sector Generating Stations									
Anta	119	813	0.71	57	3.07	250	3.78	307	3.78
Auriya	244	1,640	0.53	88	4.11	675	4.65	762	4.65
Dadri Thermal	84	613	0.82	50	3.91	240	4.73	290	4.73
Dadri Gas	272	1,925	0.55	105	3.93	757	4.48	862	4.48
Dadri Extension	150	1,097	1.55	171	3.70	406	5.25	576	5.25
Rihand-I	373	2,661	0.78	209	1.66	441	2.44	650	2.44
Rihand-II	348	2,478	0.91	225	1.69	419	2.60	644	2.60
Singrauli	849	6,151	0.52	320	1.24	763	1.76	1,083	1.76
Tanda	440	3,136	1.01	318	3.33	1,043	4.34	1,360	4.34
Unchahar-I	258	1,927	0.83	160	2.75	529	3.58	689	3.58
Unchahar-II	153	1,145	0.86	99	2.70	309	3.56	407	3.56
Unchahar-III	75	560	1.32	74	2.70	151	4.02	225	4.02
Farakka	33	217	0.82	18	3.44	75	4.26	92	4.26
Kahalgao St. I	77	528	0.92	49	2.81	148	3.73	197	3.73
Kahalgao St. II Ph. I	251	1,729	1.18	203	2.65	459	3.83	662	3.83
Koldam (Hydro)	95	414	1.56	65	0.00	-	1.56	65	1.56
Rihand-III	377	2,691	1.27	342	1.72	463	2.99	805	2.99
Sub-Total NTPC	4,197	29,724	0.00	2,551	0.00	7,127	0.00	9,678	3.26
Chamera	109	336	0.58	20	1.01	34	1.59	53	1.59
Chamera-II	86	393	1.28	50	1.48	58	2.76	109	2.76
Chamera-III	62	283	1.74	49	2.20	62	3.94	111	3.94
Dhauliganga	75	282	1.10	31	1.45	41	2.56	72	2.56
Salal I&II	48	252	0.60	15	0.48	12	1.08	27	1.08
Tanakpur	21	103	1.70	17	1.15	12	2.86	29	2.86
Uri	96	497	1.05	52	0.81	40	1.85	92	1.85
Dulhasti	111	517	2.82	146	3.08	159	5.90	305	5.90

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


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Name of Distribution Licensee: Paschimanchal 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	3,848	0.63	241	1.91	733	2.53	974	2.53
Anpara B	1,000	6,314	1.09	691	1.83	1,156	2.92	1,847	2.92
Harduaganj	165	259	2.13	55	5.10	132	7.23	187	7.23
Obra A	288	779	0.94	73	2.43	189	3.37	263	3.37
Obra B	1,000	4,158	0.61	255	2.52	1,048	3.14	1,304	3.14
Panki	210	907	1.09	99	4.36	396	5.45	495	5.45
Parichha	220	323	0.98	32	3.91	126	4.89	158	4.89
Parichha Extn.	420	2,512	1.28	322	3.33	837	4.61	1,159	4.61
Parichha Extn. Stage II	500	3,308	1.81	597	3.23	1,067	5.03	1,665	5.03
Harduaganj Ext.	500	3,158	1.95	615	3.44	1,086	5.38	1,700	5.38
Anpara D	1,000	2,916	1.18	344	1.79	521	2.96	864	2.96
Sub total - Thermal	5933	28482		3324		7291		10615	3.73
Per unit Avg Rate of Thermal Generation								3.73	
Hydro Stations									
Khara	58	151	0.78	12	0.00	-	0.78	12	0.78
Matatila	20	53	0.70	4	0.00	-	0.70	4	0.70
Obra (Hydel)	99	260	0.68	18	0.00	-	0.68	18	0.68
Rihand	255	670	0.60	40	0.00	-	0.60	40	0.60
UGC Power Stations	14	36	2.31	8	0.00	-	2.31	8	2.31
Belka & Babail	6	16	2.44	4	0.00	-	2.44	4	2.44
Sheetla	4	9	2.96	3	0.00	-	2.96	3	2.96
Sub total - Hydro	455	1,195	0.00	88	0.00	-	0.00	88	0.74
Purchase Per unit Avg Rate from hydro generating stations								0.74	
Sub-Total Own	6388	29678		3,412.25		7,291.02		10,703.27	3.61
Procurement of power from Central Sector Generating Stations									
Anta	119	813	0.74	60	3.26	265	3.99	325	3.99
Auriya	244	1,640	0.56	91	4.36	715	4.92	806	4.92
Dadri Thermal	84	613	0.86	53	4.15	254	5.00	307	5.00
Dadri Gas	272	1,925	0.57	110	4.17	802	4.74	912	4.74
Dadri Extension	150	1,097	1.62	177	3.92	430	5.54	608	5.54
Rihand-I	373	2,661	0.82	217	1.76	468	2.57	685	2.57
Rihand-II	348	2,478	0.95	235	1.79	444	2.74	678	2.74
Singrauli	849	6,151	0.54	333	1.32	809	1.86	1,142	1.86
Tanda	440	3,136	1.05	331	3.52	1,105	4.58	1,436	4.58
Unchahar-I	258	1,927	0.87	167	2.91	561	3.78	728	3.78
Unchahar-II	153	1,145	0.90	103	2.86	327	3.76	430	3.76
Unchahar-III	75	560	1.37	77	2.86	160	4.23	237	4.23
Farakka	33	217	0.86	19	3.65	79	4.50	98	4.50
Kahalgaoon St. I	77	528	0.96	51	2.98	157	3.94	208	3.94
Kahalgaoon St. II Ph.I	251	1,729	1.22	212	2.81	486	4.04	698	4.04
Koldam (Hydro)	95	414	1.56	65	0.00	-	1.56	65	1.56
Rihand-III	377	2,691	1.32	356	1.82	491	3.15	847	3.15
Sub-Total NTPC	4197	29724		2653		7554		10208	3.43
Chamera	109	336	0.60	20	1.07	36	1.67	56	1.67

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

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

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Name of Distribution Licensee: Paschimanchal 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 allotted to the distribution licensee	Transmission charges	Other charges	Total Charges	Transmission charges/unit
			(MU)	MW	MW	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.
1	UPPTCL	FY 2013-14	24,098.90			325.34	-	325.34	0.135
2	UPPTCL	FY 2014-15	29,026.40			518.68	-	518.68	0.179
3	UPPTCL	FY 2015-16	31,259.41			613.85	-	613.85	0.196
4									
5									
6									
7									
8									
9									


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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						
Repair & Maintenance Expenditure						Form No: F5
S No.	Particulars	FY 2012-13 Audited	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
1	Plant and Machinery	97.25	97.25	81.91	113.89	118.56
2	Building	3.20	3.20	3.56	3.75	3.90
3	Civil Works		-		-	-
4	Hydraulic Works		-		-	-
5	Transformers		-		-	-
6	Lines, Cables Net Works etc.	106.92	106.92	121.66	125.22	130.35
7	Vehicles		-		-	-
8	Furniture and Fixtures	0.03	0.03	0.01	0.04	0.04
9	Office Equipments	0.34	0.34	0.39	0.40	0.42
10	Transportation				-	-
11	Sub station maintenance by private agencies				-	-
12	Any other items (Capitalisation)				-	-
	Additional R&M(@2.5% of incremental GFA)				1.20	3.50
	Total	207.75	207.75	207.52	244.50	256.77


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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						
Employee Cost and Provisions					Form No: F6a	
S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Salaries	156.96	156.96	159.67	183.82	191.35
2	Dearness Allowance	101.20	101.20	123.01	118.53	123.38
3	Other Allowances & Relief	12.51	12.51	12.62	14.65	15.25
4	Bonus/Exgratia	5.17	5.17	1.77	6.06	6.30
5	Medical Expenses Reimbursement	6.76	6.76	8.86	7.92	8.24
6	Leave Travel Assistance	0.08	0.08	-	0.10	0.10
7	Earned Leave Encashment	200.27	200.27	38.31	234.55	244.16
8	Compensation	0.09	0.09	0.07	0.11	0.11
9	Staff Welfare Expenses	0.14	0.14	0.17	0.16	0.17
10	Pension and gratuity	40.41	40.41	39.47	47.33	49.27
11	Other Terminal benefits	4.92	4.92	6.43	5.76	6.00
12	Expenditure on trust	0.58	0.58	0.60	0.68	0.70
13	Any other employee expenses					
14	Arrear of Pay Commission/Time Scale					
15	Additional employee Expenses(@2.5% of incremental GFA)				9.72	27.42
	Grand Total	529.10	529.10	390.96	629.38	672.46
	Employee expenses capitalized	136.83	136.83	141.86	94.41	100.87
	Net employee expenses	392.28	392.28	249.11	534.97	571.59


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S.No.	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A)	Administration Expenses					
1	Rent rates and taxes (Other than all taxes on income and profit)	0.61	0.61	0.40	0.71	0.74
2	Insurance of employees, assets, legal liability	0.45	0.45	0.49	0.53	0.55
3	Revenue Stamp Expenses Account					
4	Telephone, Postage, Telegram, Internet Charges	2.41	2.41	2.62	2.82	2.93
5	Incentive & Award To Employees/Outsiders					
6	Consultancy Charges	4.21	4.21	2.47	4.94	5.14
7	Travelling	3.34	3.34	3.64	3.91	4.07
8	Technical Fees				-	-
9	Other Professional Charges					
10	Conveyance And Travel (vehicle hiring, running)					
11	UPERC License fee				-	-
12	Plant And Machinery (for administrative use)					
13	Security / Service Charges Paid To Outside Agencies					
14	Other Regulatory Expenses					
15	IT related expenses					
	Sub-Total of Administrative Expenses	11.03	11.03	9.62	12.91	13.44
B)	Other Charges					
1	Fee And Subscriptions (Books And Periodicals)	3.63	3.63	3.80	4.25	4.42
2	Printing And Stationery	2.37	2.37	2.76	2.77	2.88
3	Advertisement Expenses	1.92	1.92	1.53	2.25	2.34
4	Contributions/Donations To Outside Institute / Association					
5	Electricity Charges To Offices	11.41	11.41	10.26	13.36	13.91
6	Water Charges	0.01	0.01	0.01	0.01	0.01
7	Consultancy expenses /Any Study related expenses					
8	Miscellaneous Expenses	12.06	12.06	17.25	14.12	14.70
9	Expenses on Public Interaction Program				-	-
10	Any Other expenses	18.05	18.05	24.99	21.14	22.00
	Sub-Total of other charges	49.43	49.43	60.60	57.89	60.26
C)	Legal Charges	2.10	2.10	1.30	2.45	2.56
D)	Auditor'S Fee	0.47	0.47	0.24	0.56	0.58
E)	Freight - Material Related Expenses					
F)	Other Departmental Charges					
	Additional A&G expenses(@2.5% of incremental GFA)				3.78	10.54
G)	Total Charges	63.02	63.02	71.76	77.59	87.37
H)	Expenses capitalized	12.57	12.57	22.44	11.64	13.11
I)	Net Administrative and General expenses	50.45	50.45	49.32	65.95	74.27

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited											
Fixed Assets and Provision for Depreciation											
FY 2012-13											
Sl. No	Particulars	Gross Fixed Assets			Provision For Depreciation			Net Fixed Assets			
		At Beginning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Beginning of Year	Addition During Year	Adjustments & Deduction	At End of Year	
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)	5,643.81	1,291.37	656.88	6,278.30	7.84%		467.25	69.07	398.18	
	Less: Dep on Assets Capitalized through Consumer Contribution										
	Net Depreciation										


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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited											
Fixed Assets and Provision for Depreciation											
Form No: 18											
FY 2013-14											
Sl.No	Particulars	Gross Fixed Assets			Provision For Depreciation			Net Fixed Assets			
		At Beginning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Beginning of Year	Addition During Year	Adjustments & Deduction	At the End of Year	
1	Land & Land rights										
	a. Unclassified										
	b. Free hold land										
2	Buildings										
3	Other civil works										
4	Plant and machinery										
5	Transmission and Distribution system (Lines, cable network etc.)										
6	Meters and other Metering Equipment										
7	Communication equipment										
8	Vehicles										
9	Furniture and fixtures										
10	Office equipments										
11	Intangible Assets										
	a. Computer Software										
	b. Investment in capacity argumentation										
	c. Others										
12	Assets taken over & pending final valuation										
13	Transfer Schemes										
	Total (1 to 13)	6,278.30	1,286.54	698.83	6,866.01	7.84%		515.15			
	Less: Dep on Assets Capitalized through Consumer Contribution							78.04			
	Net Depreciation							437.12			


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Name of Distribution Licensee: Paschimanchal Vidut Vitran Nigam Limited										
Fixed Assets and Provision for Depreciation										
FY 2014-15										
Sl.No	Particulars	Gross Fixed Assets			Provision For Depreciation			Net Fixed Assets		
		At Beging of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Beging of Year	Addition During Year	Adjustments & Deduction	At the End of Year
1	Land & Land rights									
	a. Unclassified									
	b. Free hold land									
2	Buildings									
3	Other civil works									
4	Plant and machinery									
5	Transmission and Distribution system (Lines, cable network etc.)									
6	Meters and other Metering Equipment									
7	Communication equipment									
8	Vehicles									
9	Furniture and fixtures									
10	Office equipments									
11	Intangible Assets									
	a. Computer Software									
	b. Investment in capacity augmentation									
	c. Others									
12	Assets taken over & pending final valuation									
13	Transfer Schemes									
	Total (1 to 13)	6,866.01	1,046.23		7,912.24	7.84%		579.18		
	Less: Dep on Assets Capitalized through Consumer Contribution							209.85		
	Net Depreciation							369.33		


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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited										Form No: F8
Fixed Assets and Provision for Depreciation										
FY 2015-16										
Sl.No	Particulars	Gross Fixed Assets			Provision For Depreciation			Net Fixed Assets		
		At Beginning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Beginning of Year	Addition During Year	Adjustments & Deduction	At the End of Year
1	Land & Land rights									
	a. Unclassified									
	b. Free hold land									
2	Buildings									
3	Other civil works									
4	Plant and machinery									
5	Transmission and Distribution system (Lines, cable network etc.)									
6	Meters and other Metering Equipment									
7	Communication equipment									
8	Vehicles									
9	Furniture and fixtures									
10	Office equipments									
11	Intangible Assets									
	a. Computer Software									
	b. Investment in capacity augmentation									
	c. Others									
12	Assets taken over & pending final valuation									
13	Transfer Schemes									
	Total (1 to 13)	7,912.24	1,800.89	-	9,713.14	0.08		690.79		
	Less: Dep on Assets Capitalized through Consumer Contribution							250.29		
	Net Depreciation							440.50		


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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						
Interest & Finance Charges						Form F-9
S.No	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
A	Interest and Finance Charges on Long Term Loans / Credits from the FIs/banks/organisations approved by the State Government					
	Interest on Long Term Loans	217.26	163.79	435.37	264.76	381.47
	Interest on Working Capital	508.99	46.85	551.52	107.11	109.35
	Total Interest Charges	726.25	210.64	986.89	371.87	490.82
	Finance Charges					
	Interest to Consumers	66.09	66.09	70.49	94.24	104.80
	Bank Charges	-	-	-	-	-
	Discount to Consumers	-	-	-	-	-
	Finance Charges/Guarantee fees	0.30	0.30	13.56	14.60	15.20
	Total Finance Charges	66.39	66.39	84.05	108.84	120.00
	Gross Interest and Finance Charges	792.64	277.03	1,070.94	480.71	610.82
	IDC	8.42	8.42	3.05	60.90	87.74
	Net Interest and Finance Charges	784.22	268.61	1,067.89	419.81	523.09


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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited							Form No: F9 (a)
Particulars	Domestic loans, bonds and financial leasing (Normative Loans)						Closing Balances as on March 31, 2013
	Opening Balance at the beginning as on April 1, 2012	Amount received during the year	Principal repayment during the year	Interest			
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	1,114.97	639.38	398.18	163.79	13.26%		1,356.17

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited							Form No: F9 (a)
Particulars	Domestic loans, bonds and financial leasing (Normative Loans)				Interest		Closing Balances as on March 31, 2014
	Opening Balance at the beginning as on April 1, 2013	Amount received during the year	Principal repayment during the year	Amt Rs. Cr	Amt Rs. Cr	Rate %	
In Rs Crore	Amt Rs. Cr	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	1,356.17						1,918.04

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited							Form No: F9 (a)
Domestic loans, bonds and financial leasing (Normative Loans)							Closing Balances as on March 31, 2015
Particulars	Opening Balance at the beginning as on April 1, 2014	Amount received during the year	Principal repayment during the year	Interest			
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							
Hudeco							
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	1,918.04	1,274.85	369.33	264.76	11.17%		2,823.56

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						Form No: F9 (a)
Domestic loans, bonds and financial leasing (Normative Loans)						
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	2,823.56	1,625.05	440.50	381.47	11.17%	4,008.11

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						
Details of Expenses Capitalised						Form -10
Sl.No.	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Interest & Finance charges Capitalised	8.42	8.42	3.05	60.90	87.74
2	Other expenses capitalised:					
	a. Employee expenses	136.83	136.83	141.86	94.41	100.87
	b. R&M Expenses					
	c. A&G Expenses	12.57	12.57	22.44	11.64	13.11
	d. Others, if any					
	Total of 2	149.40	149.40	164.29	106.04	113.98
	Grand Total	157.82	157.82	167.34	166.94	201.71


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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited

Debits, Write-offs and any other items

Form-11

Sl.No.	Particulars	FY 2012-13	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
		Audited	True-Up	Provisional Accounts	Revised Estimates	ARR
1	Material Cost Variance					
2	Miscellaneous Losses And Write Off					
3	Bad Debt Written Off/Provided For	24.43	148.82	3.68	226.03	243.95
4	Cost Of Trading & Manufacturing Activities					
5	Net Prior Period Credit/Charges	63.39	63.39	36.38	0.00	0.00
6	Sub-Total	87.83	212.22	40.06	226.03	243.95
7	Less Chargeable To Capital Expense					
	Net Chargeable To Revenue	87.83	212.22	40.06	226.03	243.95

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited					
Statement of Sundry Debtors and provision for Bad & Doubtful Debts					Form No: F12
Sl.No.	Particulars	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
1	Receivable from customers as at the beginning of the year	3,140.91	4,080.82	4,539.97	6,235.19
2	Revenue billed for the year	7,441.14	9,025.95	11,301.47	12,197.36
3	Collection for the year	6,501.22	8,566.79	9,606.25	10,367.76
	Against current dues				
	Against arrears upto previous year				
4	Gross receivable from customers as at the end of the year	4,080.82	4,539.97	6,235.19	8,064.80
5	Receivables against permanently disconnected consumers				
6	Receivables(4-5)	7,441.14	9,025.95	11,301.47	12,197.36
7	% of provision	2.00%	2.00%	2.00%	2.00%
8	Provision for bad and doubtful debts	148.82	3.68	226.03	243.95


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

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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						Form No: F14
Net Prior Period Expenses / Income						
Sl.No.	Particulars	FY 2012-13 Audited	FY 2012-13 True-Up	FY 2013-14 Provisional Accounts	FY 2014-15 Revised Estimates	FY 2015-16 ARR
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	3.67	3.67	-		
6	Other Excess Provision					
7	Others					
	Sub-Total A	3.67	3.67	0.00	0.00	0.00
B	Expenditure relating to previous years					
1	Power Purchase					
2	Operating Expenses	0.05	0.05	0.66		
3	Excise Duty on generation					
4	Employee Cost	4.11	4.11	5.82		
5	Depreciation	1.93	1.93	-		
6	Interest and Finance Charges	60.86	60.86	37.17		
7	Admn. Expenses	0.10	0.10	-7.27		
8	Withdrawal of Revenue Demand					
9	Material Related					
10	Others	-0.00	-0.00	-		
	Sub-Total B	67.06	67.06	36.38	0.00	0.00
	Net prior period Credit/(Charges) : A-B	63.39	63.39	36.38	0.00	0.00


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Name of Distribution Licensee: Paschimanchal 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 end of the Year	
		Balance at the beginning of the year	Net Additions during the Year	Balance at the end of the Year	Net Additions during the Year	Balance at the end of the Year	Net Additions during the Year		
1	Consumer Contribution Towards Cost Of Capital Assets (Net)	1,204.48	124.99	1,329.47	111.54	1,441.01	159.39	1,600.40	
2	Consumer Contribution towards Metering Systems								
3	Others								
	Sub-Total	1,204.48	124.99	1,329.47	111.54	1,441.01	159.39	1,600.40	
4	Subsidies Towards Cost Of Capital Asset								
5	Grant Towards Cost Of Capital Assets								
6	Others								
	Sub-Total								
	Total	1,204.48	124.99	1,329.47	111.54	1,441.01	159.39	1,600.40	


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


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Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited					
Current Assets & Liabilities				Form No: F19	
Sl.No	Particulars	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
A	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 had adopted a normative tariff approach towards capital structure. This entailed that regulatory balances towards equity, GFA, accumulated depreciation, loans, etc would be different from financial statements. Hence, Forms S2, S3 and F19 have become infrutuous as they would not match with financial statements. Considering the above, the Licensee seeks waiver from filing the Form Nos S2, S3 and F19.</p>			
	Sundry Debtors				
	Inventories				
	Cash and Bank Balances				
	Loans and Advances				
	Other current assets				
B	Current Liabilities and Provisions				
	Sundry Creditors				
	Provisions				
	Other Current Liabilities				
C	NET CURRENT ASSETS (A - B)				


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Particulars	Capital Investment Plan				
	Physical	Loans	Equity / Internal Accruals	Deposit Works	Total
Energisation of PTW Connections	8550	63.09	27.04		90.14
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme	208	68.64	29.42		98.05
33 kV / 11 kV Works under Business Plan	0	0.00	0.00		0.00
a) 33 kV Works	0	0.00	0.00		0.00
Construction of new 33/11 kV S/s and associated 33 kV lines	38	106.30	45.56		151.85
Increasing capacity of 33 / 11 kV S/s	65	35.27	15.12		50.39
33 kV link line	460	32.56	13.95		46.51
Replacement of damaged/obsolete 33kV VCB & Switchgears and higher capacity of conductor, poles, S/s apparatus, etc.	150	5.43	2.33		7.75
b) 11 kV Works	0	0.00	0.00		0.00
11 kV new line (bifurcation of feeders, link lines, etc)	150	5.13	2.20		7.33
11/0.4 kV S/s (25, 63 & 100 kVA)	150	3.26	1.40		4.65
11/0.4 kV S/s (250 & 400 kVA)	40	1.79	0.77		2.56
11/0.4 kV S/S Increasing Capacity (25 to 63 and 63 to 100 KVA)	300	3.26	1.40		4.65
11/0.4 kV S/S Increasing Capacity (100 to 250 kVA and 250 to 400 kVA)	45	2.03	0.87		2.89
Strengthening of 11 kV Line	200	3.09	1.33		4.42
11/0.4 kV S/s providing extra LT Distributors / DO fuse set and LT Distribution pillar box	300	3.26	1.40		4.65
Strengthening of LT line (Replacement of damaged conductors / jarjar poles / jarjar lines with higher capacity of conductors, etc)	200	2.39	1.02		3.41
Strengthening of HT line	0	0.00	0.00		0.00
Replacement of damaged/obsolete 11kV OCB / VCB, etc	230	7.60	3.26		10.85
Double Metering of consumers	0	1.52	0.65		2.17
LT Aerial Bunch Conductors	60	5.43	2.33		7.75
Underground cabling work - 11 and 33 kV	0	0.00	0.00		0.00
Capital Works under Vyapar Vikas Nidhi	0	108.52	46.51		155.03
33/11 kV Substations under Tehsil Scheme	31	135.28	57.98		193.26
33/11 kV Substations under CM's declaration	4	12.15	5.21		17.36
Feeder Segregation Scheme	0	126.25	54.11		180.36
RGGVY Phase II (11th Plan Pending Works)	0	12.81	5.49		18.30
RGGVY Phase II (12th Plan)	0	18.54	7.95		26.49
Other Misc Works	0	62.29	26.70		88.99
R-APDRP Part A	0	74.73	32.03		106.76
R-APDRP Part B	0	374.25	160.39		534.64
Deposit Works	0	0.00	0.00	321.39	321.39
Total		1274.85	546.36	321.39	2142.61

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Particulars	Physical	Loans	Capital Investment Plan		
			Equity / Internal Accruals	Deposit Works	Total
Energisation of PTW Connections	8800	84.76	36.32		121.08
Electrification of villages under Dr. Ram Manohar Lohia Samagr Vikas Yojna Scheme	8800	92.06	39.46		131.52
33 kV / 11 kV Works under Business Plan	8800	0.00	0.00		0.00
a) 33 kV Works	8800	0.00	0.00		0.00
Construction of new 33/11 kV S/s and associated 33 kV lines	8800	184.13	78.91		263.04
Increasing capacity of 33 / 11 kV S/s	8800	56.66	24.28		80.94
33 kV link line	8800	63.74	27.32		91.05
Replacement of damaged/obsolete 33kV VCB & Switchgears and higher capacity of conductor, poles, S/s apparatus, etc.	8800	11.33	4.86		16.19
b) 11 kV Works	8800	0.00	0.00		0.00
11 kV new line (bifurcation of feeders, link lines, etc)	8800	14.16	6.07		20.23
11/0.4 kV S/s (25, 63 & 100 kVA)	8800	8.50	3.64		12.14
11/0.4 kV S/s (250 & 400 kVA)	8800	10.62	4.55		15.18
11/0.4 kV S/S Increasing Capacity (25 to 63 and 63 to 100 KVA)	8800	5.67	2.43		8.09
11/0.4 kV S/S Increasing Capacity (100 to 250 kVA and 250 to 400 kVA)	8800	3.54	1.52		5.06
Strengthening of 11 kV Line	8800	11.33	4.86		16.19
11/0.4 kV S/s providing extra LT Distributors / DO fuse set and LT Distribution pillar box	8800	11.33	4.86		16.19
Strengthening of LT line (Replacement of damaged conductors / jarjar poles / jarjar lines with higher capacity of conductors, etc)	8800	10.62	4.55		15.18
Strengthening of HT line	8800	14.16	6.07		20.23
Replacement of damaged/obsolete 11kV OCB / VCB, etc	8800	17.00	7.28		24.28
Double Metering of consumers	8800	5.67	2.43		8.09
LT Aerial Bunch Conductors	8800	11.33	4.86		16.19
Underground cabling work - 11 and 33 kV	8800	28.33	12.14		40.47
Capital Works under Vyapar Vikas Nidhi	8800	213.66	91.57		305.23
33/11 kV Substations under Tehsil Scheme	8800	142.09	60.90		202.99
33/11 kV Substations under CM's declaration	8800	0.00	0.00		0.00
Feeder Segregation Scheme	8800	55.39	23.74		79.13
RGGVY Phase II (11th Plan Pending Works)	8800	42.63	18.27		60.90
RGGVY Phase II (12th Plan)	8800	75.61	32.40		108.01
Other Misc Works	8800	9.10	3.90		13.00
R-APDRP Part A	8800	67.39	28.88		96.27
R-APDRP Part B	8800	374.25	160.39		534.64
Deposit Works	8800	0.00	0.00	409.68	409.68
Total		1625.05	696.45	409.68	2731.18

अधीक्षण अभियन्ता (वाणिज्य)
पश्चिमोत्तर विद्युत वितरण निगम लि०
मेरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited							
Capital Formation During FY 2013-14							
Additional Form							
Detail	Balance 31- Mar-13 (1)	Investments (2)	Cap interest (3)	Cap expenses (4)	To GFA (5)	Depreciation (6)	Balance 31- Mar-14 (7)
Gross Fixed Assets	6,278.3	1,286.5	698.8			7.84%	6,866.0
Depreciation							515.2
Work in Progress	223.3	1,201.9	141.9	22.4	1,286.5		303.0

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अधीक्षण अभियन्ता (वाणिज्य)
पश्चिमोत्तर विद्युत वितरण निगम लि०
मेरठ

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

Additional Form


Detail	Balance 31-Mar-15 (1)	Invest-ments (2)	Cap interest (3)	Cap expenses (4)	To GFA (5)	Depreciation (6)	Balance 31- Mar-16 (7)
Gross Fixed Assets	7912.24	1800.89				7.84%	9,713.1
Depreciation							690.8
Work in Progress	1,566.3	2,731.2	100.9	100.8	1,800.9		2,698.3




अधीक्षक अभियन्ता (वाणिज्य)
पश्चिमोत्तर विद्युत वितरण निगम लि०
मेरठ

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


Detail	Balance 31-Mar-14 (1)	Invest-ments (2)	Cap interest (3)	Cap expenses (4)	To GFA (5)	Depreciation (6)	Balance 31-Mar-15 (7)
Gross Fixed Assets	6,866.0	1,046.2				7.84%	7,912.2
Depreciation	-						579.2
Work in Progress	303.0	2,142.6	155.3	11.6	1,046.2		1,566.3


 अध्यक्ष अभियन्ता (वाणिज्य)
 पश्चिमांचल विद्युत वितरण निगम लि०
 मेरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited			
Revenue Assessment, Sales & Through Rate : FY 2014-15			Form No: T3
Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
LMV-1: Domestic Light, Fan & Power	3,128.76	8,205.65	3.81
(a) Consumer getting supply as per "Rural Schedule"	411.72	3,561.34	1.16
(b) Supply at Single Point for Bulk Loads	174.29	299.86	5.81
(c) Other Metered Domestic Consumers	2,502.96	4,201.78	5.96
(d) Life Line Consumers	39.80	142.67	2.79
LMV-2: Non Domestic Light, Fan & Power	1,056.81	1,243.64	8.50
(a) Non-Domestic (Rural)	58.94	194.44	3.03
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	9.41	6.72	14.00
(c) Non-Domestic (Urban Metered)	988.46	1,042.48	9.48
LMV-3: Public Lamps	139.92	221.61	6.31
LMV-4: Institutions	183.39	245.11	7.48
(a) Public Institution	145.81	198.44	7.35
(b) Private Institution	37.58	46.67	8.05
LMV-5: Private Tube Wells	279.87	3,514.12	0.80
(a) Rural	258.52	3,474.50	0.74
(b) Urban	21.35	39.62	5.39
LMV 6: Small and Medium Power	867.53	1,072.16	8.09
LMV-7: Public Water Works	270.20	357.63	7.56
LMV-8: State Tubewells & Pumped Canals	132.35	332.38	3.98
LMV-9: Temporary Supply	82.81	88.79	9.33
LMV-10: Deptt. Empl. & Pensioners	22.17	116.95	1.90
HV-1: Non-Industrial Bulk Load	841.93	1,008.40	8.35
HV-2: Large & Heavy Power	4,253.69	5,998.77	7.09
HV-3: Railway Traction	41.72	61.60	6.77
HV-4: Lift Irrigation Works	0.32	0.35	9.19
Sub Total	11,301.47	22,467.15	5.03
Bulk & Extra State	-	-	-
Total	11,301.47	22,467.15	5.03


 अधीक्षण अभियन्ता (वाणिज्य)
 पश्चिमोत्तर विद्युत वितरण निगम लि०
 मेरठ

Name of Distribution Licensee: Paschimanchal 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	3,510.95	9,367.86	3.75
(a) Consumer getting supply as per "Rural Schedule"	631.97	4,430.92	1.43
(b) Supply at Single Point for Bulk Loads	179.92	310.27	5.80
(c) Other Metered Domestic Consumers	2,657.29	4,476.24	5.94
(d) Life Line Consumers	41.78	150.43	2.78
LMV-2: Non Domestic Light, Fan & Power	1,162.76	1,366.93	8.51
(a) Non-Domestic (Rural)	66.05	217.36	3.04
(b) Private Advertisements/Sign Boards/Glow Signs/Flex	10.13	7.24	14.00
(c) Non-Domestic (Urban Metered)	1,086.58	1,142.33	9.51
LMV-3: Public Lamps	146.30	231.88	6.31
LMV-4: Institutions	194.38	260.54	7.46
(a) Public Institution	154.87	211.29	7.33
(b) Private Institution	39.51	49.24	8.02
LMV-5: Private Tube Wells	281.87	3,525.03	0.80
(a) Rural	259.46	3,483.43	0.74
(b) Urban	22.42	41.60	5.39
LMV 6: Small and Medium Power	957.46	1,189.27	8.05
LMV-7: Public Water Works	300.74	398.00	7.56
LMV-8: State Tubewells & Pumped Canals	136.08	341.40	3.99
LMV-9: Temporary Supply	90.90	98.19	9.26
LMV-10: Dep'tt. Empl. & Pensioners	23.03	124.82	1.85
HV-1: Non-Industrial Bulk Load	852.62	1,021.35	8.35
HV-2: Large & Heavy Power	4,497.34	6,348.40	7.08
HV-3: Railway Traction	42.59	62.82	6.78
HV-4: Lift Irrigation Works	0.32	0.35	9.19
Sub Total	12,197.36	24,336.84	5.01
Bulk & Extra State	-	-	-
Total	12,197.36	24,336.84	5.01


 अधीक्षण अभियन्ता (वाणिज्य)
 पश्चिमांचल विद्युत वितरण निगम लि०
 मेरठ

Name of Distribution Licensee: Paschimanchal Vidvut Vitran Nigam Limited												
Revenue Arrears and Age-wise Analysis - PREVIOUS YEAR 2013-14												
Form No: PI												
S.No.	Particulars	Arrears at the beginning of the year	Billed during the year	Realised during the year	Arrears at the end of year	Percentage increase (+) Decrease (-)	Upto 6 Months	Age-wise Analysis (Months) 6-12 Months	12-24 Months	24-36 Months	More than 3 years	NOTES:
1	Sale of power within State											
2	Sale of power inter state											
3	Electricity duty											
4	Dues from permanently disconnected consumers having arrears more than 10 lacs											
5	Dues from permanently disconnected consumers having arrears less than 10 lacs											
6	Miscellaneous receipts from consumers											
7	Less provision for doubtful dues from consumers											
8	Total (1+2+3+4+5+6-7)	4,080.82	9,025.95	8,566.79	4,539.97							
9	Details of litigation/disputes having dues more than Rs. 10 lacs											
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears											


अधीक्षण अभियन्ता (वाणिज्य)
पश्चिमीचल विद्युत वितरण निगम लि०
मेरठ

Name of Distribution Licensee: Paschimanchal Vidut Vitran Nigam Limited									
Revenue Arrears and Age-wise Analysis- Current Year FY 2014-15									
S.No.	Particulars	Arrears at the beginning of the year	Billed during the year	Realised during the year	Arrears at the end of year	Percentage increase (+) Decrease (-)	Upto 6 Months	Age-wise Analysis (Months)	NOTES:
								6-12 Months	
								12-24 Months	
								24-36 Months	
								More than 3 years	
1	Sale of power within State								
2	Sale of power inter state								
3	Electricity duty								
4	Dues from permanently disconnected consumers having arrears more than 10 lacs								
5	Dues from permanently disconnected consumers having arrears less than 10 lacs								
6	Miscellaneous receipts from consumers								
7	Less provision for doubtful dues from consumers								
8	Total (1+2+3+4+5+6-7)	4,539.97	11,301.47	9,606.25	6,235.19				
9	Details of litigation/disputes having dues more than Rs. 10 lacs								
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears								

(Signature)

अधीक्षक अभियन्ता (वाणिज्य)
पश्चिमोत्तर विद्युत वितरण निगम लि०
मेरठ

Name Of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited											Form No: PJ
Revenue Arrears and Age-wise Analysis											
Details to be provided for FY, CV											
S.No.	Particulars	Arrears at the beginning of the year	Billed during the year	Realised during the year	Arrears at the end of year	Percentage increase (+) Decrease (-)	Age-wise Analysis (Months)			NOTES:	
							Upto 6 Months	6-12 Months	12-24 Months	24-36 Months	More than 3 years
1	Sale of power within State										
2	Sale of power inter state										
3	Electricity duty										
4	Dues from permanently disconnected consumers having arrears more than 10 lacs										
5	Dues from permanently disconnected consumers having arrears less than 10 lacs										
6	Miscellaneous receipts from consumers										
7	Less provision for doubtful sdues from consumers										
8	Total (1+2+3+4+5+5-7)	2,300.57	7,441.14	6,906.21	2,835.50	23.25					
9	Details of litigation/disputes having dues more than Rs. 10 lacs										
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears'										


 अधीक्षक अभियन्ता (वाणिज्य)
 पश्चिमांचल विद्युत वितरण निगम लि०
 मेरठ

Name Of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited									
Revenue Arrears of Government/ Local Bodies and Agewise Analysis									
Details to be provided for PY, CY									
S.No.	Particulars	Arrears at the beginning of the year	Billed during the year	Realised during the year	Arrears at the end of year	Percentage increase (+) Decrease (-)	Upto 6 Months	Age-wise Analysis (Months)	NOTES:
							6-12 Months	12-24 Months	24-36 Months
							More than 3years		
1	Sale of power to the Government departments								
	Name of the Department								
	1- Public Lighting 2- water works								
	3-State Tubewells 4- Light Irrigation & Pump canal								
								
2	Electricity duty								
3	Provision of unbilled revenue								
4	Dues from permanently disconnected consumers having arrears more than 10 lacs								
5	Dues from permanently disconnected consumers having arrears less than 10 lacs								
6	Miscellaneous receipts from Govt.								
7	Less provision for doubtful dues from Govt.								
8	Total (1+2+3+4+5+6-7)	1,112.92	370.96	62.86	1,421.03	27.68			
9	Details of litigation/disputes having dues more than Rs.10 lacs								
10	Steps proposed to be taken to improve collection and to reduce the revenue arrears								
	Note: Formats should be separately provided for Government and Local Bodies								

अधीक्षक अभियन्ता (वाणिज्य)
पश्चिमांचल विद्युत वितरण निगम लि०
मेरठ

Name Of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						Form No: P2
T&D Losses in LT and HT system						All Figures in MU
S.No	Particulars	PV Actual	CV Estimated	EY Projection	Remarks	
A	System Losses At 33 KV					
1	Energy received into the system					
2	Energy sold at this voltage level					
3	Energy transmitted to the next (lower) voltage level					
4	Energy Lost					
5	Total Loss in the system (4/1)*100%					
B	Losses At 11 KV					
1	Energy received into the system					
2	Energy sold at this voltage level					
3	Energy transmitted to the next (lower) voltage level					
4	Energy Lost					
5	Total Loss in the system (4/1)*100%					
C	LT System Losses					
1	Energy received into the system					
2	Energy sold at this voltage level					
3	Energy Lost					
4	Total Loss in the system (3/1)*100%					
D	Overall Losses					
1	Energy In (A1)	23323.68	25650.10	28010.38		
2	Energy Out (A2+B2+C2+D2))	16973.87	18806.59	20686.61		
3	Total T&D Loss ((1-2)/1)*100%	27.22	26.68	26.15		

अधीक्षण अभियन्ता (वाणिज्य)
पश्चिमोच्चल विद्युत वितरण निगम लि०
मेरठ

2023

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

अधीक्षक अभियन्ता (वाणिज्य)
पश्चिमींचल विद्युत वितरण निगम लि०
मेरठ


Name Of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited							
Transformer and line length details						Form No: P5	
Sl. No	Details	PY		CY		EY	
I	Number of Sub- Stations 33/11 KV		850		862		
II	Number of Sub- Stations 11/0.4 KV		185134		196584		
III	Transformation Capacity						
	33/11 KV Transformers		9858		10172		
	11/0.4 KV Transformers		11093		11704		
III	No of Transformers						
	33/11 KV		1535		1572		
	11/0-4 KV		185134		196584		
IV	Number of Feeders						
	33 KV		774		792		
	11 KV		3435		3481		
	0.4 KV		207582		209612		
V	Line Length						
1	33 KV		9341		9512		
2	11 KV		79853		80562		
3	0.4 KV		220529		226602		
VI	Capcitor Banks installed (Capacity in MVA)		391.862		402.624		


 अधीक्षण अभियन्ता (वाणिज्य)
 पश्चिमोत्तर विद्युत वितरण निगम लि०
 मेरठ

Name Of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited		
Billing Details - Periodicity as per regulations		Form No. P8
Sl.No.	Consumers Category	Billing Cycle
1	Domestic L&F (LMV-1)	
	Urban	Monthly/Bi-Monthly
	Rural	Monthly/Bi-Monthly
2	LMV-2 to LMV-9	Monthly
3	HV-1 & HV-2	Monthly


 अधीक्षण अभियन्ता (वाणिज्य)
 पश्चिम बि०

Name Of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited										Form No: P13	
Release of New service Connections											
Period	Pre-PY		PY		CY		Action Proposed to		Remarks		
	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply	No of service Connections provided with in 30 days of valid requisition for power supply	No of service Connections provided after 30 days of valid requisition for power supply	be taken for	providing service connections in time			
April											
May											
June											
July											
August											
September											
October											
November											
December											
January											
February											
March											
Total	211678	14271	222262	14556	233375	14410					


 अधीक्षण अभियन्ता (वाणिज्य)
 पश्चिमोत्तर विद्युत वितरण निगम लि०
 मेरठ

Annexure- 2

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

पश्चिमांचल विद्युत वितरण निगम लि०
PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.



ANNUAL ACCOUNTS FOR THE
YEAR 2012-13


Registered Office : Urja Bhawan Victoria Park, Meerut


CONTENTS


Sl. No.	Particulars
1	Balance Sheet
2	Profit & Loss Account
3	Schedule (1 to 22)
4	Notes on Account
5	Significant Accounting Policies
6	Cash Flow
7	Balance Sheet Abstract and Corporation's General Business Profile


PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD. MEMBET
BALANCE SHEET AS AT 31.03.2017

PARTICULAR	(INR L)	As at 31.03.17	As at 31.03.16
A. EQUITY AND LIABILITIES			
1. Share holders funds			
Equity Capital	(1)	15,94,867	40,02,901
Reserves & Surplus	(2)	15,27,61,796	15,04,94,000
Share issued but under share warrants			
2. Share application money pending for allotment	(3)	6,18,25.70	12,07,20.04
Non-current liabilities			
Long-term borrowings	(4)	6,56,021.20	10,94,000.00
Deferred Tax Liabilities (Net)			
Other Long-Term Liabilities			
Other Long-Term Provisions			
3. Current liabilities			
Short-Term Borrowings	(5)	15,88,000	15,000
Trade payables	(6)	20,11,09.20	40,20,74.04
Other current liabilities	(7)	41,47,72.80	40,70,04.00
Short-Term Provisions			
Total		87,69,37.28	75,58,23.45
B. ASSETS			
Non-current assets			
Fixed Assets	(8)	62,79,28.77	58,43,79.00
Tangible Assets			
Intangible Assets			
Capital Work-in-Progress		22,13,2.90	25,695.05
Intangible Assets under Development			
Non-Current Investments			
Deferred Tax Assets (Net)			
Long-Term loans and advances			
Other Non-Current Assets	(9)	2.00	2.00
Less: Accumulated Depreciation		<u>24,593.09</u>	<u>2,74,79.10</u>
		40,053.64	35,250.82
2. Current Assets			
Current Investments			
(a) Inventories			
Stores & spares	(10)	28,793.92	5,856.00
(b) Trade receivables	(11)	20,150.05	2,90,07.42
(c) Cash and Bank	(12)	9,29,19.77	6,233.89
(d) Short-term loans and advances	(13)	21,792.38	16,796.62
(e) Other Current Assets	(14)	48,750.92	64,056.71
		47,336.04	49,335.65
Significant Accounting Policies			
Notes on Accounts	(25)		
Note 1 to 23 and Accounting Policies form integral part of Accounts			
TOTAL		87,69,37.28	75,58,23.45


(M.K. Agarwal)
Company Secretary
Raj, Raipur


(P.K. Agarwal)
Dy. G.M. (Accounts)


(R.P. Gupta)
Director (Finance)


(Vijay Vikram Pant)
Managing Director

Place: Raipur
Date: 25/07/2017


Subscribed & reported over date


For M/s. R.P.L. & Co.
Chartered Accountants

CA Rajendra Kumar Gupta
Partner

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT
STATEMENT OF PROFIT AND LOSS ACCOUNT FOR THE PERIOD FROM 01.04.12 TO 31.03.13

PARTICULAR	NOTE	(Rs. in Lakhs)	
		FOR THE PERIOD FROM 01.04.12 TO 31.03.13	FOR THE PERIOD FROM 01.04.11 TO 31.03.12
INCOME			
Revenue from sale of power (Gross)		765651.30	634955.42
Less: Electricity Duty		31506.87	14191.86
Energy Abnormally Consumed	(15)	1140.60	1622.29
Other Income			
Other Income	(16)	195182.76	115478.51
TOTAL		930186.99	758247.58
EXPENSES			
Cost of Materials Consumed			
Purchase of Power	(17)	854614.29	856118.63
Changes in Inventories of Finished Goods, Work-in-Progress and Stock-in-Trade			
Transmission Charges		41191.93	895806.22
Employment Cost	(18)	39227.50	18876.96
Operation & Other Expenses	(19)	29376.40	24527.18
Finance Cost	(20)	78421.67	18058.93
Depreciation	(21)	18540.29	17657.08
Amortization of service line contribution & Grants etc.		6986.74	5936.60
TOTAL EXPENSES		1054465.34	957839.49
Net Profit/(Loss) For the Year		(123995.35)	(199601.71)
Net prior period Income/(Expenditure)	(22)	66399.38	442.15
Exceptional Items			
Net Profit/(Loss)		(130334.73)	(199159.56)
Extra Ordinary Items			
Profit before Tax		(130334.73)	(199159.56)
Tax Expenses			
Accumulated loss brought forward		627957.41	(428797.85)
Accumulated Profit/(Loss) Carried Over to Reserve & Surplus Note-2		(758292.14)	(627957.41)
Notes on Accounts	(23)		
Earning per share (in Rs.)		(709)	(2174)


(M.K. Agarwal)
Company Secretary
Rat Taxis


(P.K. Agarwal)
Dy. G.M. (Accounts)


(R.P. Gupta)
Director (Finance)


(Vijay Vishwas Pant)
Managing Director

Place: Meerut
Date: 25/04/2014

Subject to our report of audit date
For M/s R.P.L. & Co.
Chartered Accountants
CA Anshu Kumar Gupta
Partner

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOTE-4

SHARE CAPITAL

PARTICULARS	Rs. in Lacs	
	As at 31.03.13	As at 31.03.12
A. AUTHORISED		
30000000 (Previous Year 30000000) Equity Shares of Rs.1000/- each	300000.00	300000.00
B. ISSUED SUBSCRIBED AND PAID UP		
(i) 18390963/8049780; Equity Share of Rs.1000/- each fully paid up allotted to LPPCL	183909.63	80497.80
(ii) Promoters' Shares (500 Equity Share of Rs. 1000/- each)	5.00	5.00
TOTAL	183914.63	80502.80

(H.K. Agarwal)
Company Secretary
Part Time

(P.K. Agarwal)
Dy. G.M.(Accounts)

(R.P. Gupta)
Director(Finance)

(Vijay Vishwas Pant)
Managing Director

For M/s R.P.L. & Co.
Chartered Accountants

CA Rajendra Kumar Gupta
Partner

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOTE-2

RESERVES AND SURPLUS

		(Rs. in Lacs)	
PARTICULARS	As at 31.03.13	As at 31.03.12	
<u>A. Capital Reserve</u>			
Consumers Contributions towards Service Line and other charges			
As per last Balance Sheet	100298.65	84933.24	
Add: Received during the year	18999.14	20751.23	
	119297.99	105684.47	
Less: Transfer to P/L Account	6300.88	5385.62	
	112997.11	100298.85	
<u>B. Grants</u>			
As per last Balance Sheet	8096.22	8570.87	
Add: Received during the year	(257.48)	76.33	
	7838.74	8647.20	
Less: Transfer to P/L Account	387.55	550.98	
	7451.19	8096.22	
<u>C. Restructuring reserve account</u>			
As per last Balance Sheet	62.45	62.45	
Add: Received during the year	0.00		
	62.45	62.45	
<u>D. Surplus in the statement of P/L Account</u>			
As per last Balance Sheet	(627957.41)	(428797.85)	
Add: Profit/(Loss) for the year	(130334.73)	(199130.56)	
	(758292.14)	(627957.41)	
GRAND TOTAL	(637781.39)	(519499.89)	

(H.K. Agarwal)
Company Secretary
Part Time

(P.K. Agarwal)
Dy. G.M.(Accounts)

(R.P. Gupta)
Director(Finance)

(Vijay Vishwas Pant)
Managing Director

For M/s B.P.L. & Co.
Chartered Accountants

CA Rajendra Kumar Gupta
Partner

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOTE-3

SHARE APPLICATION MONEY


(Rs. in Lacs)		
PARTICULARS	As at 31.03.13	As at 31.03.12
SHARE APPLICATION MONEY (Pending for allotment to UPVCL)	63905.70	129720.94
Total	63905.70	129720.94

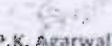
Reconciliation of Share Application Money

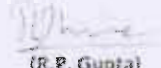
(Rs. in Lacs)			
Share Application Money as on 31.03.2012	Received during the year	Allotted during the year	Share Application Money as on 31.03.2013
129720.94	37506.59	103411.83	63905.70


NOTE:

1- No of share proposed to be issued - 6390570


(H.K. Agarwal)
Company Secretary


(P.K. Agarwal)
Dy. G.M.(Accounts)


(R.P. Gupta)
Director(Finance)


(Vijay Vishwas Pant)
Managing Director

For M/s R.P.D. & Co.
Chartered Accountants

CA Kapendra Kumar Gupta
Partner

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT

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

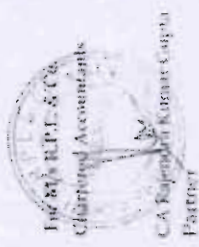
PARTICULARS	Opening Balance	Fresh Issue	Bonus	ESOP	Conversion	Buy Back	Closing Balance
Issued, Subscribed & Paid-up Equity shares fully paid up Year ended 31 March, 2012							
- Number of shares	8050280	-	-	-	-	-	8050280
- Amount (Rs.)	805028000.00	-	-	-	-	-	805028000.00
Year ended 31 March, 2013							
- Number of shares	8050280	10341183	-	-	-	-	18391463
- Amount (Rs.)	805028000.00	10341183000.00	-	-	-	-	18391463000.00

H.K. Agarwal
(H.K. Agarwal)
Company Secretary

P.K. Agarwal
(P.K. Agarwal)
Dy. G.M.(Accounts)

R.P. Gupta
(R.P. Gupta)
Director(Finance)

Vijay Vishwak Pant
(Vijay Vishwak Pant)
Managing Director



PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.
VICTORIA PARK, MEERUT

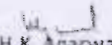
Details of shares held by the holding company, the ultimate holding company, their subsidiaries and associates

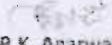
PARTICULARS	Equity Shares with voting rights Number of shares			
As at 31.03.13 UPPCL, the holding company	18390963			
As at 31.03.12 UPPCL, the holding company	8049780			
Details of shares held by each shareholder holding more than 5% shares				
Class of shares/Name of shareholder	As at 31.03.13		As at 31.03.12	
	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	18390963	99.99	8049780	99.99

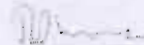
The Company has only one class of equity shares having par value of Rs. 1000/- per share.


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

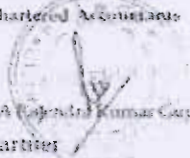
1. 2430744 fully paid Equity shares of Rs. 1000 each were allotted in the year 2010-11.
2. 10341183 fully paid Equity shares of Rs. 1000 each were allotted in the year 2012-13.


(H.K. Agarwal)
Company Secretary
Part Time


(P.K. Agarwal)
Dy. G.M.(Accounts)


(R.P. Gupta)
Director(Finance)


(Vijay Vishwas Pant)
Managing Director

For M/s R.P.L. & Co.
Chartered Accountants

CA Rajendra Kumar Gupta
Partner

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.
VICTORIA PARK, MELRUT

30/11/14

LONG TERM BORROWINGS

PARTICULARS	Non-Current		Current Maturities	
	As at 31.03.13	As at 31.03.12	As at 31.03.13	As at 31.03.12
(Rs. in Lacs)				
A. Secured Loan				
(a) Terms Loan				
(i) APDRP(PEC)	8968.41	10843.02	2274.61	2274.60
(Secured against hypothecation of all the movable assets)				
(ii) R-APDRP(PEC)	21700.99	13201.99	0.00	0.00
(Secured against hypothecation of all the movable assets)				
(iii) REC	6940.01	7962.58	422.35	181.58
(For replacement of Overhead conductor with A/R construction)				
(Secured against hypothecation of all the assets created under the loan)				
(iv) REC	3675.08	5435.16	0.00	0.00
(Construction of 11 KV S/S. Secured against hypothecation of 11/11 KV created to be created and charge on receivable of specified receipt accounts through escrow arrangements)				
(v) REC	611.95	291.72	0.00	0.00
(Feeder Segregation. Secured against hypothecation of assets created to be created and charge on receivable of specified receipt accounts through escrow arrangements)				
(vi) PEC	1742.62	2240.52	497.89	497.89
(Against theft prevention scheme, secured against hypothecation of assets)				
(b) Short Terms Loan				
(i) REC	2124.24	13333.33	10989.08	27196.97
(Secured against hypothecation of stores and charge on receivables of specified receipt accounts through escrow arrangements)				
Total	51464.30	52508.30	14104.14	30151.04
B. Unsecured Loan				
(i) Transfer Scheme				
GoUP	375.00	375.00	0.00	0.00
REC	17415.40	17942.34	1045.58	1068.10
PEC	243.14	468.69	225.13	225.13
Total	18033.54	18785.94	1270.51	1293.23
(ii) Loan by UPFCL on behalf of PVVNL				
(i) Other than Bank				
UP Govt. (AJDRP)	1508.35	1878.54	2743.29	371.11
UP Govt. (World Bank aided project)	6154.04	7980.08	2401.40	395.56
HUDCO	23326.17	22656.94	10329.30	6847.32
REC	43500.00	0.00	0.00	0.00
PPC	72637.46	0.00	0.00	0.00
Mandi Parishad	1729.50	0.00	0.00	0.00
Noids	3459.00	0.00	0.00	0.00
Total	152294.52	34695.56	15473.99	7915.79

Bank Loans from Bank

Secured Loans from

Bank Loans

Indian Overseas Bank

Canara Bank

Punjab National Bank

Yozga Bank

Bank of Maharashtra

United Commercial Bank

Bank of Baroda

Central Bank of Commerce

Bank of India

South Indian Bank

Punjab & Sind Bank

Federal Bank

Corporation Bank

Overseas Bank

Karnataka Bank

Total	414228.87	0.00	0.00	0.00
GRAND TOTAL	636021.23	105989.80	30848.64	99260.06

Note: Loans taken by the holding company UPTCL & apportioned between the Discos have been shown under item B-00a) & ii(b)

(H.K. Agarwal)
Company Secretary
Part time

(P.N. Agarwal)
Dy. G.M.(Accounts)

(R.P. Gupta)
Director(finance)

(Vijay Vishwas Pant)
Managing Director

For S.G. R.P. & Co.
Chartered Accountants
C. & P. Ramesh Kumar Gupta
Partner

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT

NOTE-5

SHORT TERM BORROWINGS

PARTICULARS	(Rs. in Lacs)	
	As at 31.03.13	As at 31.03.12
SECURED LOAN		
Rural Electrification Corporation Ltd.	15000.00	0.00
(charge on receivables of specified receipt accounts through escrow arrangements)		
GRAND TOTAL	15000.00	0.00

NOTE-6

TRADE PAYABLES

PARTICULARS	(Rs. in Lacs)	
	As at 31.03.13	As at 31.03.12
Uttar Pradesh Power Corporation Ltd.		
Liability for Power Purchase	112846.42	598487.02
Uttar Pradesh Power Transmission Corporation Ltd.		
Liability for Transmission Charges	88258.14	53587.82
GRAND TOTAL	201104.26	652074.84

(H.K. Agarwal)
Company Secretary
Part Time

(P.K. Agarwal)
Dy. G.M.(Accounts)

(R.P. Gupta)
Director(Finance)

(Vijay Vishwas Pant)
Managing Director

For M&R PUL & Co.
Chartered Accountants
CA Rajendra Kumar Gupta
Partner

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT

NOTE-7

OTHER CURRENT LIABILITIES

(Rs. in Lacs)

PARTICULARS	As at 31.03.13	As at 31.03.12
As per Transfer Scheme 2003	41488.00	41488.00
Current liabilities of long term debt	30648.64	19260.06
Interest Accrued		
(i) Interest Accrued but not due on borrowings	8484.30	635.59
(ii) Interest Accrued and due on borrowings	0.00	0.00
	8484.30	635.59
Statutory Dues	154.39	160.20
Contractor's Liability	44177.12	15311.67
Deposits & Retentions from Suppliers & Others	7901.15	6880.81
Electricity Duty & Other Levies payable to Govt.	36119.78	19061.45
Payables to UPCL on account of Equity/Grant/Loan		
Payables	97370.63	29274.97
Receivables	71398.86	25971.77
		48549.49
		19274.52
Other Liabilities payable to :		
Uttar Pradesh Power Corporation Ltd	41082.54	38725.23
Madhyanchal Vidyut Vitran Nigam Ltd	5956.37	1218.00
Purvanchal Vidyut Vitran Nigam Ltd	222.96	262.35
Dakshinanchal Vidyut Vitran Nigam Ltd	227.83	212.05
Staff Related Liabilities	26740.57	8512.75
General Provident Fund	34302.84	31418.70
Pension and Gratuity	9396.05	6883.35
CPI	116.86	92.30
Provision for Audit Expenses	618.70	401.21
Deposit for electrification works	7059.23	5654.44
Security deposit from consumers	93904.66	80129.42
TOTAL	414772.85	307034.96

(H.K. Agarwal)
Company Secretary
Part Time

(P.K. Agarwal)
Dy. G.M.(Accounts)

(R.P. Gupta)
Director(Finance)

(Vijay Vishwas Pant)
Managing Director

For M/s R.P.L. & Co.
Chartered Accountants
C.A. Ramesh Kumar Gupta
Partner

**PANCHIMANCHAL VIDYUT VITRA, NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOTE-3

FIXED ASSETS

Particulars	Gross Block			Depreciation			Net Block	
	As at 31.03.12	Additions	Deductions/ Adjustments	As at 31.03.13	As at 31.03.12	Additions/ Adjustments	As at 31.03.13	As at 31.03.12
TANGIBLE ASSETS								
Land & Lease Rights	143.97	43.30	0.00	187.27			187.27	143.97
Buildings	4186.89	3423.63	0.63	7609.89	520.17	196.23	7806.12	3689.72
Plant & Machinery	123254.00	71894.92	55050.83	140098.09	16107.56	7565.38	157341.92	139361.56
Lines, Cable Network etc.	197683.72	52442.27	10634.50	239491.49	26095.35	10643.59	35939.34	171588.37
Vehicles	25.95	0.00	0.00	25.95	7.35	2.46	9.81	18.60
Furniture & Fixtures	116.88	863.52	0.87	979.23	30.62	34.73	65.33	86.26
Office Equipments	176.52	555.70	0.87	731.35	80.83	72.89	153.72	95.69
Insurance Scheme	238792.00	0.00	0.00	238792.00	226852.40	0.00	226852.40	11939.60
Sub Total	564379.93	129136.54	65687.70	627828.77	237479.16	18515.28	246590.09	326900.77

CAPITAL WORKS IN PROGRESS

PARTICULARS	AS AT 31.03.2012	ADDITIONS	Capitalised	As at 31.03.2013
Capital Work in progress	25605.05	113244.98	116517.07	22332.96
Total	25605.05	113244.98	116517.07	22332.96

INTANGIBLE ASSETS

NIL

(H. R. Agarwal)
Company Secretary
For and To

(P. K. Agarwal)
Dy. G.M. (Accounts)

(R. P. Gupta)
Director (Finance)

(Vijay Vishwas Pant)
Managing Director

For M/s. R. H. & Co.
Chartered Accountants

C. A. Pooja & Associates
Partners

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOTE-9

OTHER NON-CURRENT ASSETS

(Rs. in Lacs)

PARTICULARS	As at 31.03.13	As at 31.03.12
Balance in Fixed Deposit (Note 12) (Remaining Maturity more than twelve months) Amount disclosed under other current assets Note no-13	2.00	2.00
TOTAL	2.00	2.00


NOTE-10

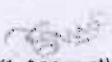
INVENTORIES


(Rs. in Lacs)


PARTICULARS	As at 31.03.13	As at 31.03.12
Stores and Spares	33424.92	34719.99
Less: Provision for unserviceable store	4631.00	4631.00
TOTAL	28793.92	30088.99

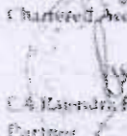
Notes : Stores and Spares includes capital and O&M material, obsolete material, scrap transformer sent for repair, material found excess/shortage pending for investigation.


(H.K. Agarwal)
Company Secretary


(P.K. Agarwal)
Dy. G.M.(Accounts)


(R.P. Gupta)
Director(Finance)


(Vijay Vishwas Pant)
Managing Director

For M/s. R.B. Mehta & Co.
Chartered Accountants

C.A. Ramesh Kumar Gupta
Partner

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOTE-II

TRADE RECEIVABLE

(Rs. in Lacs)

PARTICULARS	As at 31.03.13	As at 31.03.12
<u>Sundry Debtors</u>		
<u>Debt outstanding for a period exceeding six months</u>		
Unsecured & considered good	236497.25	200963.87
Considered doubtful	165717.89	166148.76
	<u>402215.14</u>	<u>367112.63</u>
<u>Debt outstanding for a period not more than six months</u>		
Unsecured & considered good	37280.13	29093.55
Considered doubtful	1962.11	1531.24
	<u>39242.24</u>	<u>30624.79</u>
<u>Debt outstanding against theft</u>		
Unsecured & considered good	7329.47	
Considered doubtful	2443.16	
	<u>9772.63</u>	
<u>Total Debtors</u>	<u>451230.01</u>	<u>397737.42</u>
Less - Provision for Bad & Doubtful Debts	170123.16	167680.00
NET DEBTORS	281106.85	230057.42

Note: In the financial year 2011-12 debts outstanding against theft amounting to Rs. 8520.97 lacs was included with the debtors of other categories.

(H.K. Agarwal)
Company Secretary

(P.K. Agarwal)
Dy. G.M.(Accounts)

(R.P. Gupta)
Director(Finance)

(Vijay Vishwas Pant)
Managing Director

For M/s R.P.E. & Co.
Chartered Accountants

CA Rajendra Kumar Gupta
Partner

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.
VICTORIA PARK, MEERUT

No. 12

CASH AND BANK

(Rs. in Lacs)

PARTICULARS	Non-Current		Current Maturities	
	As at 31.03.13	As at 31.03.12	As at 31.03.13	As at 31.03.12
Balance in Current Accounts			66810.58	44679.65
Balance in Fixed Deposit (Remaining Maturity less than twelve months)			734.45	734.45
Balance in Fixed Deposit (Remaining Maturity more than twelve months) Amount disclosed under other current assets Note no-8	2.00	2.00		
Cash in hand			25374.74	16928.79
TOTAL	2.00	2.00	92919.77	62333.89

(H.K. Agarwal)
Company Secretary

(P.K. Agarwal)
Dy. G.M. (Accounts)

(R.P. Gupta)
Director (Finance)

(Vijay Vishwas Pant)
Managing Director

For M/s. R.P.L. & Co.
Chartered Accountants

CA Rupendra Kumar Gupta
Partner

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOTE-11

SHORT TERM LOANS AND ADVANCES

(Rs. in Lacs)

PARTICULARS	As at 31.03.13	As at 31.03.12
ADVANCES (Unsecured)		
Suppliers / Contractors	24994.27	16446.35
	<u>24394.27</u>	<u>16446.35</u>
Prepaid Expenses		
Prepaid Expenses	12.79	25.06
	<u>12.79</u>	<u>25.06</u>
ADVANCES (Secured)		
Staff	8.81	8.49
Income Tax(TDS)	256.14	198.55
Fringe Benefit Tax	120.17	120.17
	<u>385.12</u>	<u>327.21</u>
TOTAL	24792.18	16798.62

(H.K. Agarwal)
Company Secretary
Part Time

(P.K. Agarwal)
Dy. G.M.(Accounts)

(R.P. Gupta)
Director(Finance)

(Vijay Vishwas Pant)
Managing Director

For M/s R.P.L. & Co.
Chartered Accountants

CA Rajendra Kumar Gupta
Partner

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT

NOTE-14

OTHER CURRENT ASSETS

(Rs. in Lacs)

PARTICULARS	As at 31.03.13	As at 31.03.12
Receivables as per Transfer Scheme	2198.00	2198.00
Income accrued on deposit	112.70	33.76
<u>Receivables</u>		
Uttar Pradesh Power Corporation Ltd.	29436.28	46611.50
Uttar Pradesh Power Trans. Corp. Ltd.	157.54	1647.21
UPSCO	103.22	(0.96)
<u>Receivables from staff</u>		
Employees	1539.21	1604.00
Less Provision for doubtful Receivable	-158.01	-164.50
Misc. Receivable	265.66	236.66
Thrift of fixed Assets pending investigation	6121.49	5127.30
Less Provision for Estimated Loss	-6121.49	-5127.30
Inter Unit Transfer		
IUT	12096.32	11871.00
TOTAL	45750.92	64036.71

(H.K. Agarwal)
Company Secretary
Part Time

(P.K. Agarwal)
Dy. G.M.(Accounts)

(R.P. Gupta)
Director(Finance)

(Vijay Vishwas Pant)
Managing Director

For M/s R.P.L. & Co.
Chartered Accountants

CA Rajendra Kumar Gupta
Partner


**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

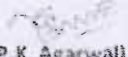
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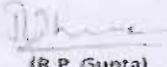
REVENUE FROM OPERATIONS


(Rs. in Lacs)

PARTICULARS	2012-13	2011-12
Large Supply Consumers		
Industrial	365242.30	312030.08
Irrigation	15.35	546.33
Public Water Works	14426.93	11879.54
Small & Other Consumers		
Domestic	178995.24	159723.54
Commercial	60843.12	53821.64
Industrial Low & Medium Voltage	53580.86	48308.64
Public Lighting	8803.05	8382.33
SDW & Pump Canals	10185.02	9226.00
STW & Sewage Pumping	23856.09	22747.19
Institution	12011.37	9703.92
Railway	2578.40	1951.14
Assessment against Theft	2816.05	1566.57
Miscellaneous Charges from consumers	903.25	677.33
Less-Energy internally Consumed	(1140.60)	(1622.29)
Sub Total	734146.63	640741.96
Electricity Duty	31506.87	14193.86
Gross Sale of Power	765653.50	654935.82
Less-Electricity Duty	31506.87	14193.86
Net Sale of Power	734146.63	640741.96
Energy internally Consumed	1140.60	1622.29

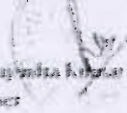

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For M/s R.P.L. & Co.
Chartered Accountants


CA Rajendra Kumar Gupta
Partner

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOTE-16

OTHER INCOME

(Rs. in Lacs)		
PARTICULARS	2012-13	2011-12
R.F. Subsidy from Govt. of U.P.	7539.00	9745.00
Revenue Loss & Tariff Subsidy from Govt. of U.P.	177563.00	93376.00
Interest from loan to Staff *	0.21	0.36
Delayed Payment Charges from consumers	8826.28	11798.54
Interest from Bank	841.23	551.59
Income from Contractors/Suppliers	311.88	321.04
Rental from Staff	10.50	12.89
Rebate for timely repayment of Loan	69.42	45.64
Miscellaneous Receipts	21.24	22.56
TOTAL	195182.76	115873.53

* Pertains to loan amount advanced during UPSEB period

NOTE-17

PURCHASE OF POWER

(Rs. in Lacs)		
PARTICULARS	2012-13	2011-12
Power Purchase	854614.29	856118.63
Transmission Charges	41191.93	28537.29
TOTAL	895806.22	884655.92

(H.K. Agarwal)
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Part Time

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(Vijay Vishwas Pant)
Managing Director

For M/s. R.P.E. & Co.
Chartered Accountants
CA Rakesh Kumar Gupta
Partner

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOT-18

EMPLOYEES COST

(Rs. in Lacs)

PARTICULARS	2012-13	2011-12
Salaries & Allowances	15695.82	16263.52
Dearness Allowance	10120.45	8874.13
Other Allowance	1250.96	1269.96
Bonus	517.04	290.95
Medical Expenses	676.08	649.60
Leave Travel Assistance	8.18	0.00
Earned Leave Encashment on retirement	20027.45	1219.98
Compensation	9.40	0.35
Staff Welfare Expenses	13.70	24.90
Pension & Gratuity	4040.99	4003.56
CIP	492.21	386.62
Expenditure on Trust	57.75	41.87
Sub Total	52910.03	32643.44
LESS - Expenses Capitalised	13682.53	13768.46
TOTAL	39227.50	18876.98

(H.K. Agarwal)
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Part Time

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Managing Director

For M/s.R.P.M. & Co.
Chartered Accountants

CA Rajendra Kumar Gupta
Partner

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOTE-19

OPERATION & OTHER EXPENSES

(Rs. in Lacs)

PARTICULARS	2012-13	2011-12
REPAIR & MAINTENANCE		
Plant & Machinery	9724.81	8850.00
Buildings	320.15	248.96
Lines, Cables net works etc.	10692.27	9165.25
Furniture & Fixtures	3.35	0.93
Office Equipments	34.40	22.43
OTHER EXPENSES		
Rent	38.70	38.21
Rates & Taxes	22.20	12.33
Insurance	45.34	44.24
Telephone	211.48	205.50
Postage	29.20	44.94
Legal Charges	209.58	190.99
Audit Fee	38.20	30.05
Traveling Expenses (Audit)	9.28	1.46
Consultancy Charges	421.49	525.36
Fees & Subscription	362.69	387.46
Traveling and Conveyance	334.22	330.49
Printing and Stationery	236.53	206.28
Advertisement Expenses	191.74	973.85
Electricity Charges	1140.60	1622.29
Water Charges	0.66	0.43
Meter Reading & Billing Expenses	1804.69	1598.24
Expenditure on Trust	2.61	0.00
Compensation staff	0.84	4.37
Compensation (Other than staff)	75.32	104.01
Miscellaneous Expenses	1126.96	959.24
PROVISIONS		
Provision for Doubtful Debts	2443.16	0.00
Other Expenses	125.71	0.00
Provision for Loss against theft of Fixed Assets pending investigation	994.19	742.60
Provision for Bad & Doubtful Dues from staff on accounts of various reasons	-6.48	2.40
SUB TOTAL	30633.89	26312.51
LESS - Expenses Capitalised	1257.49	1785.33
TOTAL	29376.40	24527.18

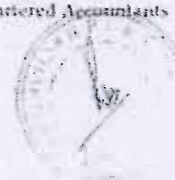
(H.K. Agarwal)
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Managing Director

For M/s R.P.L. & Co.
Chartered Accountants



**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

NOTE-20

FINANCE COST

(Rs. in Lacs)

PARTICULARS	2012-13	2011-12
Interest on Loans		
Government of UP	3912.71	1898.11
PTC	2305.41	428.32
Others	0.00	8.11
R-APDRP	0.00	0.00
APDRP	1419.86	1691.07
H.U.D.C.O	3984.80	3121.81
REC	9.67	0.00
KEC	10093.27	7373.96
Bank Loan	50899.37	0.00
Interest on GPI	0.00	0.70
Interest to Consumers	6609.00	3860.05
Finance Charges	5.70	9.26
Bank Charges		
Others	23.90	9.08
SUB TOTAL	79263.69	18400.47
LESS - Interest Capitalised	842.02	341.54
TOTAL	78421.67	18058.93

NOTE-21

DEPRECIATION

(Rs. in Lacs)

PARTICULARS	2012-13	2011-12
Depreciation	18540.29	17657.08
Amortization of service line contribution & Grants etc	-6906.74	-5936.60
GRAND TOTAL	11633.55	11720.48

(H.K. Agarwal)
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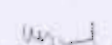
CA Rajendra Kumar Gupta


PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT

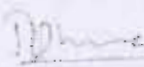
NOTE-22


NET PRIOR PERIOD INCOME/(EXPENSES)

(Rs. in Lacs)		
PARTICULARS	2012-13	2011-12
A. INCOME		
Receipt from consumers	366.96	2923.11
SUB TOTAL	366.96	2923.11
B. EXPENDITURE		
Power Purchase	0.00	0.00
Wheeling Charges	(0.02)	0.00
Operating Expenses	5.39	8.51
Employees Cost	410.76	433.91
Depreciation Prev. Years	193.30	0.00
Interest & finance charges	6086.46	2038.54
Admin. & General Exp. For Previous Years	10.45	0.00
SUB TOTAL	6706.34	2480.96
GRAND TOTAL	(6339.38)	442.15

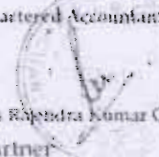

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For M/s R.P.L. & Co.
Chartered Accountants


CA Rajendra Kumar Gupta
Partner

PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED

Note No. 23

NOTES ON ACCOUNTS ANNEXED TO AND FORMING PART OF
BALANCE SHEET AS AT 31.03.2013 AND PROFIT & LOSS ACCOUNT FOR
THE YEAR ENDED ON THAT DATE

- 1) (a) The Company was incorporated under the Companies Act 1956 on 01-05-2003 and commenced the business operations w.e.f 12-08-2003 in terms of Government of U.P Notification No. 2740/P-1/2003-24-14P/2003 dated 12-08-2003.
- (b) The Company is a subsidiary of U.P. Power Corporation Ltd. The annual accounts for the year 2012-13 are based on the balances of assets and liabilities received as per Transfer Scheme 2003 as well as the transactions pertaining to business during the period 12-08-2003 to 31-03-2004 and the financial years 2004-05 to 2012-13. The final transfer scheme is yet to be finalised and the balances in the accounts will be adjusted accordingly.
- (c) Authorised capital of the company is Rs. 5,000 crore, divided in Rs. 5 crore equity shares of Rs. 1000 each.
- (d) The share capital includes 500 Nos. Equity Shares of Rs. 1000 each allotted to subscribers of Memorandum of Association and shown separately in Balance Sheet.
- (e) During the year 10341183 equity shares of Rs. 1000 each, valuing Rs. 10341183000 has been allotted to Uttar Pradesh Power Corporation Limited as approved by BOD 72nd, 74th and 75th meeting held on 19.11.12, 12.01.13 & 19.02.13 respectively.
- (f) Difference of Loan transferred under provisional Transfer Scheme 2003 and actual loan amounting to Rs. 6244727.00 (Credit) has been shown in Restructuring Reserve Account (Note No. 2).
- 2) (a) The Company is making efforts to recognize and identify the location of fixed assets, transferred under the Transfer Scheme-2003 for the purpose of maintaining the Fixed Assets Register. Till such time the assets as mentioned in the Transfer Scheme, have been taken into accounts.
- (b) During the year, the depreciation has been provided as per the Schedule-XIV of Companies Act 1956 on SLM basis.

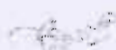
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Sanjay

Prakash



- (c) In absence of asset wise break up of Plants & Machinery, Lines & Cables and other assets taken over as on 12-08-2003, the depreciation on these assets has been charged @ 4.75% on the value transferred as per transfer scheme 2003, being the rate prescribed for majority of items as per Companies Act 1956.
- (d) Due to multiplicity of nature of capital works and difficulty in establishing the correct date of installation of assets, the depreciation on addition of fixed assets during the year has been provided on pro-rata basis by taking average six months period.
- 3) The loan taken by UPPCL on behalf of the Company has been transferred during the year 2012-13 amounting to Rs. 5454.77 Crore and repayment made by UPPCL amounting to Rs. 301.19 Crore have been accounted for in the books of the Company.
 - 4) Since implementing period of RAPDRP Part-A has been extended from three years to five years by Ministry of Power, Govt. of India vide its order no. 14/01/2011-APDRP dated 08.07.2013 as informed by M/s Power Finance Corporation Ltd., New Delhi vide letter no. 02.10R-APDRP (P-A).2009: UPPCL/12439 dated 31.07.2013 the interest on loan taken under RAPDRP Part 'A' amounting to Rs. 45.28 crore has been treated as contingent liability.
 - 5) Necessary action for capitalisation of borrowing cost has been taken as per AS-16.
 - 6) The 25% provision for doubtful debts against the assessment for theft of energy has been made.
 - 7) Yearwise classification of Sundry Debtors could not be given as the same is under process.
 - 8) The provision for bad and doubtful debts against revenue from sale of power has not been made since the sufficient provision already exists in the Transfer Scheme-2003.
 - 9) The provision for unserviceable/obsolete material has not been made since the sufficient provision already exists in the Transfer Scheme-2003.
 - 10) The provision for doubtful receivable from employees have been made @ 10 % on the incremental basis appearing at the close of financial year under the head "Other Current Assets- Other Receivables-Employees" have been made.
 - 11) The 100% Provision for loss on account of theft of fixed assets pending investigation have been made for balance at the close of financial year.



- (12) (a) Some balances appearing under the heads 'Current Assets', 'Loans & Advances', 'Unsecured Loans', 'Current Liabilities', 'Material in transit/under inspection/lying with contractors are subject to confirmation/reconciliation and subsequent adjustments, as may be required.
- (b) On an overall basis the current assets, loans and advances have a value on realization in the ordinary course of business, at least equal to the amounts at which these are stated in the Balance Sheet.
- (13) The Value of construction stores is charged to capital work-in-progress as and when the material is issued. The material at the year end lying at the work sites is treated as part of capital work in progress but the material lying in stores is grouped under the head "Stores & Spares".
- (14) (a) The energy is being purchased as a bulk supply from UPPCL (The Holding Company).
- (b) UPPCL has charged the Transmission charges @ Rs. 0.171 per KWH.
- (15) Amount due to Small & Micro units could not be ascertained and interest thereon could not be provided for want of complete information. Efforts are being made to segregate the same.
- (16) As per Significant Accounting Policy para 7(b) under the head "Retirement Benefits" the leave encashment in respect of employees was accounted for earlier on the basis of claims received and approval during the year the same has been calculated on accrual basis during the current year as such provision of Rs. 200.27 cr. included Rs. 165.44 pertaining the previous years.
- (17) Based on actuarial valuation report submitted by M/s Price Waterhouse Coopers to UPPCL (the Holding Company) and adopted by their Board of Directors, the provision for accrued liability on account of Pension and Gratuity during the year has been made @ 16.70% and 2.38% respectively on the amount of Basic Pay and DA paid to the employees.
- (18) Liability towards Staff training, Medical expenses and LTC has been provided to the extent established.
- (19) The reconciliation of Inter Unit Transfer balances amounting to debit Rs. 120.96 crore (previous year debit Rs. 118.71 crore) is in process and the effects of reconciliation, if any, will be provided for, in the forthcoming years.
- (20) Rebate received against timely repayment of loan has been accounted for on cash basis.

- 21) Expenditure on UP Power Sector Employees Trust amounting to Rs. 60.36 (previous year 41.87) lacs, distributed on prorata basis has been accounted for as intimated by the Holding Company.
- 22) The recovery of advances to employee granted before the incorporation of Company is being accounted for in the books of the Nigam.
- 23) Employees cost includes remuneration to Managing Director and Directors as under.

Amount (Rs. in Lacs)

	2012-13	2011-12
Salary and Allowance	24.70	34.41
Contribution to Gratuity/ Pension	3.66	3.60

- 24) Payment to Directors and Officers in foreign currency towards foreign tour was Nil. (previous year - NIL)
- 25) Debts due from Directors were Rs. NIL. (Previous year - NIL)
- 26) Information pursuant of provision of Part I & II of Schedule VI of Companies Act, 1956 are as under :-

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

Sl.No	Details	2012-13	2011-12
(i)	Total no. of Units Purchased (MU)	23673.526	22648.641
(ii)	Total no. of Units sold (MU)	17007.34	16024.72
(iii)	Transmission & Distribution Losses	28.16%	29.25%

- (b) Contingent Liabilities under different categories i.e. Claims against the company not acknowledged as debts, Capital commitment and Contingencies for the year is Rs. 45.28 crore (previous year Rs. 26.14 crore).
- (c) The details of auditor's expenses is as under :-

(Rs. In lacs)

Details	2012-13	2011-12
(i) As auditor	-	-
(x) Audit fees	38.20	30.05
(y) T.A. expenses	9.28	1.46

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- 21) Expenditure on UP Power Sector Employees Trust amounting to Rs. 60.36 (previous year 41.87) lacs, distributed on prorata basis has been accounted for as intimated by the Holding Company.
- 22) The recovery of advances to employee granted before the incorporation of Company is being accounted for in the books of the Nigam.
- 23) Employees cost includes remuneration to Managing Director and Directors as under.

Amount (Rs. in Lacs)

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(Rs. In lacs)

Details	2012-13	2011-12
(i) As auditor	-	-
(x) Audit fees	38.20	30.05
(y) T.A. expenses	9.28	1.46

signed

[Signature]

[Signature]



(ii) As advisor	-	-
(x) Taxation matters	-	-
(y) Company law matters	-	-
(iii) In any other manner	-	-

- 27) Government dues in respect of Electricity Duty and other levies amounting to Rs. 361.20 crore (previous year Rs. 190.61 crore) shown in Note No-7 includes Rs. 76.47 crore (previous year Rs. 61.83 crore) on account of compounding charges realised from consumers.
- 28) AS-2: The Company has large nos of Stock items located at various divisions/sub-divisions/store centre etc. Valuation of realization value as such is practically very difficult. Same has been valued at cost. The difference of cost and realization value in overall position will be insignificant.
- 29) AS-10: As per Significant Accounting Policy para 2(e) "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 capitalized @ 15% on distribution and deposit works 11% on other works on the amount of total expenditure which circumstantially resulting a final negative balance in a particular unit/zone amounting to Rs. 642.20 lakh but in overall the figure is positive.
- 30) Since the Company is principally engaged in the distribution business of electricity and there are no other reportable segment as per AS-17, hence the disclosure as per AS-17 on segment reporting is not required.
- 31) The disclosure required as per AS-18 issued by ICAI on related parties transactions is not applicable as the Accounting Standard provides that "no disclosure is required in the financial statement of state-controlled enterprises as regard related party relationship with other state-controlled enterprises and transactions with such enterprises"
- 32) Due to heavy carried forward losses/depreciation and uncertainties to recover such losses/depreciation in near future, accounting of deferred tax assets as required by AS-22 issued by ICAI is not made.
- 33) AS-28 requires estimation and provision for impairment loss represented by amount by which the carrying amount of an asset exceeds its recoverable amount. The recoverable amount is higher of the assets net selling price and its

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value in use based on the present value of estimated future cash flows expected from the use of assets and its disposal at the end of its useful life. It is worth mentioning here that assets of the Company have been accounted for at their historical cost and most of the assets are very old. Thus the impairment of assets is unlikely in the Company because of the fact that the recoverable amount of the assets is higher than its present accounted value.

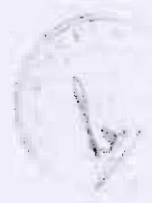
- 34) The figures shown in the Balance Sheet, Profit & Loss Account and Schedules have been rounded off to the nearest rupees in lakhs.
- 35) Previous year figures have been regrouped, rearranged and reclassified wherever considered necessary.


(H.K. Agarwal)
Company Secretary
Part Time


(P.K. Agarwal)
Dy. G.M.(Accounts)


(R.P. Gupta)
Director(Finance)


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Managing Director



PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED
VICTORIA PARK, MEERUT

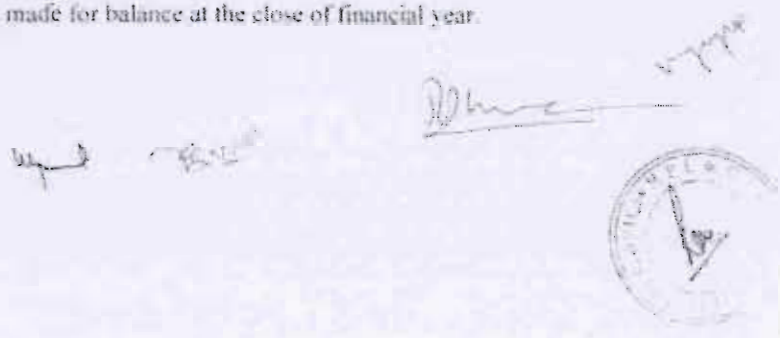
SIGNIFICANT ACCOUNTING POLICIES 2012-13

1. GENERAL

- (a) The financial statements are prepared in accordance with the provisions of The Companies Act 1956.
- (b) The accounts are prepared under historical cost convention, on accrual basis unless stated otherwise and on accounting assumption of going concern.
- (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 as well as the transactions made by Nigam w.e.f. 12.08.2003 onwards.
- (b) All costs relating to the acquisition and installation of fixed assets till the date of commissioning are capitalized.
- (c) Consumers Contribution, Grant 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) The 100% provision for loss on account of theft of fixed assets pending investigation are being made for balance at the close of financial year.



3. DEPRECIATION

- (a) Depreciation is charged on straight line method at the rates prescribed in the schedule XIV of Indian Companies Act 1956.
- (b) Fixed assets are depreciated up to 95% of original cost after taking 5% as the residual value of assets.

4. STORES & SPARES

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

5. REVENUE/EXPENDITURE RECOGNITION

- (a) Revenue from sale of energy is accounted for on accrual basis.
- (b) Late payment surcharge recoverable from consumer on energy bills is accounted for on cash basis due to uncertainty of realisation.
- (c) The sale of electricity does not include electricity duty payable to the State Government, as the same is not the income of the Nigam.
- (d) Assessment of own energy consumption is done on the basis of connected load/hours of supply/meters.
- (e) Sale of energy is accounted for based on tariff rates approved by U.P. Electricity Regulatory Commission.
- (f) In case of detection of theft of energy, the consumer is billed on laid down norms irrespective of actual realisation from the consumer.
- (g) Penal interest, overdue interest, commitment charges, restructuring charges and incentives/rebates on loans are accounted for on cash basis after final ascertainment.
- (h) 5% provision for bad and doubtful debts against revenue from sale of power are being made on incremental basis.
- (i) The provision for doubtful receivable from employees are being made @ 10% on incremental basis.


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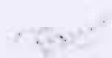
6. POWER PURCHASE


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


(H.K. Agarwal)
Company Secretary
Part Time


(P.K. Agarwal)
Dy. G.M.(Accounts)


(R.P. Gupta)
Director(Finance)


(Vijay Vishwas Pant)
Managing Director



PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.
VICTORIA PARK, MEERUT

CASH FLOW STATEMENT

PARTICULARS		Year 2012-13	Year 2011-12
Cash Flow from operating activities			
Net Loss before prior period expenses		-1239.95	-1996.07
Adjustment for:			
Depreciation		116.34	117.20
Interest expenses (Financing)		792.64	184.00
Prior period adjustments (Net)		-63.39	4.42
SUB TOTAL		-394.36	-1,693.81
Operating profit before working capital change			
Working Capital changes			
Trade Receivables		-510.40	-608.54
Stores/ Spares		12.95	-62.37
Loans & Advances		-79.94	11.43
Other Current Assets		182.60	-156.40
Trade Payables		-4509.71	2311.42
Current Liabilities		1077.36	480.26
SUB TOTAL		-3,826.95	1,975.80
Net cash from operating activities-	A	-4,221.31	281.99
Cash flow from investing activities			
Additions to fixed assets & WIP		-827.00	-725.93
Investment in Discoms (Subsidiaries)			
Interest received			
Fixed assets transferred from UPPCL			
Net Cash flow from investing activities-	B	-627.00	-725.93
Cash flow from financing activities			
Proceeds from Equity		375.97	263.1
Proceeds from borrowings (Net)		5450.31	138.05
Proceeds from consumers' contribution and GoUP Capital Grant		120.53	148.91
Interest paid on borrowings		-792.64	-184.00
Restructuring Account			
Loans/Liabilities transferred from UPPCL			
Net Cash flow from financing activities-	C	5154.17	369.47
Net increase in Cash and Cash equivalents (A+B+C)		305.86	-74.47
Cash and Cash equivalents at the beginning of the Year		623.34	697.81
Cash and Cash equivalents at the end of the Year		929.20	623.34

(H.K. Agarwal)
Company Secretary
Part Time

(P.K. Agarwal)
Dy. G.M.(Accounts)

(R.P. Gupta)
Director(Finance)

(Vijay Vishwas Pant)
Managing Director

Place: Meerut
Date: 25/01/2014



PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,

Urja Bhawan, Victoria Park, Meerut

1 Registration details			
Registration No. -	20 - 27458	State Code	20
Balance Sheet Date	31	3	2013
	Date	Month	Year
2 Capital raised during the year (Amount in Rupees Thousands)			
Public Issue		Bonus Issue	
Right Issue		Private Placement	
3 Position of Mobilisation and Development of Funds (Amount in Rupees Thousands)			
Total Liabilities		Total Assets	
87693728		87693728	
Sources of Funds :		Reserves & Surplus Less Accumulated Loss	
Paid Up Capital			
18391463			-63778139
Share App. Money pending for allotment		Other Current Liabilities	
6390570		41477285	
Long term borrowings		Trade payables	
63602123		20110426	
Short term borrowings			
1500000			
Applications of Funds :		Net Current Assets	
Net Fixed Assets			47336364
40357364			
Investments			
4 Performance of the Company (Amount in Rupees Thousands)			
Turnover (Gross Revenue)		Total Expenditure**	
93048999		106090472	
(+/-) Profit/Loss before Tax		(+/-) Profit/Loss after Tax	
-13033473		-13033473	
Earning per Share (in Rupees)		Dividend rate in %	
-709		NIL	
Product/Service description		Item code No.	
(i) Purchase of Electricity		23673.526 MU	
(ii) Distribution and Sale of Electricity		17007.340 MU	

** Including Prior Period Expenditure

(H.K. Agarwal)
Company Secretary
Part Time

(P.K. Agarwal)
Dy. G.M.(Accounts)

(R.P. Gupta)
Director(Finance)

(Vijay Vishwas Pant)
Managing Director

FOR R.P.L. & Co.
Chartered Accountants

C.A. Rajendra Kumar Gupta
Partner

R P L & CO.
Chartered Accountants

INDEPENDENT AUDITORS' REPORT

To
The Members of
Paschimanchal Vidyalaya Nigam Ltd
1/15, Okhla, Vikas Park,
Meerut-1

Report on Financial Statements

We have audited the accompanying financial statements of PASCHIMANCHAL VIDYALAYA NIGAM LTD MEERUT, which comprise the Balance Sheet as at 31-03-2013, and the Statement of Profit & Loss and Cash Flow Statement for the year then ended and a summary of significant accounting policies and other explanatory information. In these financial statements, trial balances of four zones of the company audited by the respective Zonal Auditors are incorporated alongwith trial balances of Head Office of the company. The zonal auditors' reports forwarded to us, are appropriately dealt with by us, in framing this report.

Management Responsibility for the Financial Statements

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

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Standards on Auditing issued by The Institute of Chartered Accountants of India. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and the disclosures in the financial statements. The procedures selected depend on auditor's judgement, including the assessment of the risks of material misstatements of the financial statements whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the company's preparation and fair presentation of the financial statements in order to design the audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the management as well as evaluating the overall presentation of the financial statements.

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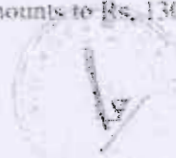
R P L & CO.

Chartered Accountants

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

Basis for Qualified Opinion

1. Necessary records relating to fixed assets of the company have not been maintained and these fixed assets have not been physically verified by the management.
2. Party-wise/agewise record of trade receivables are not maintained. Level of trade receivables are of more than 6 months of average revenue of the company. Debts outstanding for a period exceeding six months are not classified as per requirement of Schedule VI of Indian Companies Act, 1956. No system of obtaining balance confirmations from sundry debtors, creditors, security deposits, loans and advances.
3. The bank reconciliation statements made available to the zonal auditors carry large number of unresponded entries. Very old and huge amounts debited/credited by Bank, but no corresponding entry in books of account and vice versa. Bank charges debited by banks have also not been recorded in books of accounts. Large number of cheques are shown as issued but not presented since long and the cheques have become obsolete. Some of the divisions have not provided the bank reconciliation to the zonal auditors.
4. The Zonal Auditors have reported inadequate procedure of physical verification of inventories. Some of the zonal auditors have also reported (i) inadequate control over issue of material to contractors and other inventory control systems, (ii) the stock in accounts are not in conformity with stock reports and the discrepancies are not dealt with in accounts, (iii) stock reports authenticity is doubted by one of the zonal auditors, (iv) discarded assets are taken into stock after providing depreciation on estimated basis, (v) agewise details of material in hand are not prepared, (vi) works register essential for control over receipt and issue of material not maintained, (vii) amount of consumer security shown in books of accounts don't match with amount shown in Consumer Security Register, (viii) non maintenance of 3S & 4S in some of divisions, (ix) difference between stock as per accounts and as per valuation are transferred to Material Cost Variance which is not reconciled, (x) there is no system for identifying slow-moving and non-moving stocks, (xi) inter-division/zone accounts are subject to reconciliation, (xii) misc. advance lying from more than 9 years.
5. The Company has contravened the provisions of (i) Section 383 A of the Companies Act, 1956 by not appointing the whole time Company Secretary, (ii) Section 143 of Companies Act, 1956 by not maintaining register of charges, (iii) AS-15 by providing liability on account of pension and gratuity on the basis of actuarial valuation report obtained by the holding company UPPCL as on 09-02-2000 (Note 23(17) on Notes on Accounts), (iv) Rule 2(1)(d) of Service Tax Rules, 1994 by not getting it registered and (v) Wealth Tax Act by not filing Wealth Tax Return.
6. The loss of the company as reported in the Balance Sheet amounts to Rs. 1303.35 Crores may increase due to qualification raised above.



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R P L & CO.
Chartered Accountants
Qualified Opinion

In our opinion and to the best of our information and according to the explanations given to us, except for the effects of the matter described in the Basis for Qualified Opinion paragraph, the financial statements give the information required by the Act in the manner so required and give a true and fair view in the conformity with the accounting principles generally accepted in India.

- a) In the case of the Balance Sheet, of the state of the affairs of the Company as at 31-03-2013
- b) In the case of the Statement of Profit and Loss of the Loss for the year ended on that date and
- c) In the case of the Cash Flow Statement of the Cash flows for the year ended on that date

Emphasis of Matter

- 1. Accounting Policy 2(c) of Significant Accounting Policies and Note 23(29) of notes on accounts on capitalization of employees cost and general administrative expenses at certain fixed percentage on cost incurred on respective assets instead of capitalizing only the overheads which are directly attributable for construction/acquisition/installation of fixed assets are not in compliance with provisions of AS-10.
- 2. Accounting Policy 4(a) of Significant Accounting Policies and Note 23(28) of notes on accounts on valuation of inventories on cost basis without considering the realizable value are not in compliance with provisions of AS-2.
- 3. Note 23(2c) of notes on accounts on charging of depreciation on Plant & Machineries, Lines and Cables and other fixed assets @ 4.75% on value transferred as per Transfer Scheme and note 23(2d) on charging of depreciation on addition of fixed assets during the year by taking average 6 months period are not in compliance with provisions of Schedule XIV of Indian Companies Act 1956 and AS-6.
- 4. Note 23(15) of notes on accounts on not providing information about amount due to small and micro units is not in compliance with provisions of MSMED Act 2006.
- 5. Note 23(19) of notes on accounts about un-reconciled balance shown under the head Inter Unit Transfer (Other Current Assets-Note 14 of Rs. 120.96 Crore is subject to reconciliation of inter-unit zones.



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R.P.E. & CO.
Chartered Accountants
Qualified Opinion

In our opinion and to the best of our information and according to the explanations given to us, except for the effects of the matter described in the Basis for Qualified Opinion paragraph, the financial statements give the information required by the Act in the manner so required and give a true and fair view in the conformity with the accounting principles generally accepted in India

- a) In the case of the Balance Sheet, of the state of the affairs of the Company as at 31-03-2013
- b) In the case of the Statement of Profit and Loss of the Loss for the year ended on that date and
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Chartered Accountants

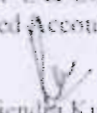
Report on Other Legal and Regulatory Requirements

As required by the Companies (Auditors Report) Order 2003 issued by the Government of India in terms of Subsection (4A) of section 227 of the Act, we submit in ANNEXURE enclosed a statement on the matters specified in paragraph 4 and 5 of the said order.

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

- (i) We have obtained all the information and explanation which to the best of our knowledge and belief were necessary for the purpose of our audit except those mentioned in the Report or annexures to the report;
- (ii) In our opinion proper books of Account as required by law have been kept by the Company so far as it appears from examination of books, returns, subsidiary records and reports of Zonal Auditors except those which are mentioned in the Report or annexure to this report;
- (iii) The Balance Sheet, the Statement of Profit and Loss and Cash Flow Statement dealt with this report are in agreement with the books of account and with the returns received from the zones not visited by us;
- (iv) In our opinion the Balance Sheet, the Statement of Profit & Loss and Cash Flow Statement dealt with by the report are in agreement with the books of account and comply with the accounting standards referred to in sub-section (3C) of Section 211 of the Companies Act, 1956 except those mentioned in basis of qualified opinion paragraph of this report;
- (v) Being a Government company, pursuant to the notification no. GSR 829(E) dated 21.10.2003, issued by Ministry of Finance, Department of Company Affairs, Govt. of India, provisions of clause (g) of sub-section (1) of section 274 of the Companies Act, 1956, are not applicable to the company.

FOR R P L & CO.,
Chartered Accountants


CA. Rajendra Kumar Gupta, FCA,
Partner, M.No. 071073,
Place: Meerut
Date: 25/01/2014



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ANNEXURE TO THE AUDITORS' REPORT

Referred to in para Report on other Legal and Regularity Requirements section of our report of even date, we report that:

(i) (a) The Company has not maintained proper records showing full particulars including quantitative details and situations of fixed assets.

(b) The Company has not carried out physical verification of the fixed assets.

(c) No fixed asset has been disposed off during the period, which affects the going concern assumption.

(ii) The zonal auditors have stated in their reports that (a) the physical verification of stock is conducted for the stocks held by the Junior Engineers/Store Keepers at year end only;

(b) the procedure of physical verification of stock of stores and spares is not reasonable and adequate in relation to the size of the company & nature of business and (c) they don't rely on accuracy of physical verification. (d) The zonal auditors reported necessity in their improvement inventory records. (e) In Moradabad Zone, stock in accounts are not in conformity with stock report submitted by management and such discrepancies are not dealt with in the books of accounts. (f) Stores ledgers (3S & 4S) and Tools & Plant Registers (3T & 4T) in Saharanpur Zone are not maintained in divisions.

(iii) The Company has not granted nor taken any loans, secured or unsecured to or from companies, firms or other parties to be covered in the register required to be maintained under section 301 of the Companies Act, 1956.


(iv) The zonal auditors have reported that the internal control system for the purchase of inventory, fixed assets and for the sale of electrical energy is not commensurate with the size of the company and nature of its business and needs improvement.

(v) The zonal auditors have reported that the internal control system for the purchase of inventory, fixed assets and for the sale of electrical energy is not commensurate with the size of the company and nature of its business and needs improvement.

(vi) As informed to us, there are no such contracts or arrangements, the particulars whereof are required to be entered in the register required to be maintained under section 301 of the Companies Act, 1956.

(vii) The Company has not accepted any deposits from public during the year.

(viii) Allotment process of Internal Audit for the financial year ended 31.03.13 has not been completed as informed to us.

 Contd.

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R.P.I. & CO.

Chartered Accountants

(vi) The company has not maintained the cost records prescribed under section 148 of the Companies Act, 1956.

(vii) As per the records produced before us and according to the information and explanations given to us the company is generally regular in depositing undisputed statutory dues applicable to it like Provident fund, Income Tax, Customs Duty, Cess etc. with the appropriate authorities and there are following arrears:

S.No	Particulars	Amount (Rs. in Crores)	Amount payable to
1	Electricity Duty and other levies	361.20	U.P. Govt.
2	GPI, Pension and Gratuity	436.99	Employees Trust
3	CPI	1.17	Employees Trust
4	Other Statutory Dues	1.54	

(viii) According to the records of the Company and explanation and information given to us there are no dues of Sale Tax, Income Tax, Custom Duty, Wealth Tax, Excise Duty which have not been deposited on account of any dispute.

(ix) The company has been registered for a period not less than five years and its accumulated losses at the end of the financial year are not less than 50% of its net worth. Further it has incurred cash losses of 1123.61 Crores in the year under report and of Rs. 1878.82 Crore during immediately preceding financial year.

(x) As per informations and explanations given to us, we are of the opinion that the company has not defaulted in repayment of dues to financial institutions or banks. Company has not issued any debentures.

(xi) The company has not granted any loan and advances on the basis of security by way of pledge of shares, debentures and other securities.

(xii) In our opinion, the company is not a chit fund / nidhi / mutual benefit fund societies, hence Clause (XIII) of para 4 of the order is not applicable.

(xiii) In our opinion the Company is not dealing or trading in shares, debentures or other investments hence clause XIV of para 4 of the order is not applicable.

(xiv) As informed to us company has not given any guarantee for loans taken by others.

Contd.,

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R P L & CO.

Chartered Accountants.

- xvi) As per the information and explanation given to us the loan fund have been utilized for the purpose they were received.
- xvii) As per the information and explanation given to us the fund received on debt term basis have not been used for long-term investment.
- xviii) The Company has not made any preferential allotments of shares, hence clause XVIII of para 4 of the order is not applicable.
- xviii) As per the records of the company, the company has not issued any debentures, hence clause XIX is not applicable.
- xix) The company has not raised any money by public issue; hence, this clause is not applicable to the company.
- xx) It was explained to us that no fraud has occurred during the year.

FOR R P L & CO.
Chartered Accountants.



CA Rajendra Kumar Gupta, FCA,
Partner, M.No. 071073,
Place: Meerut
Date: 25/04/2014

Head Office: 579, Arjun Park, Meerut-U.P. Pin-250001
BCI Ganga Apartments, 1st Floor, 1/50, Lakhta Park, Laxmi Nagar, Vikas Marg, Delhi-92
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Annexure-3

Provisional Balance Sheet for FY 2013-14

पश्चिमांचल विद्युत वितरण निगम लि०

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.





ANNUAL ACCOUNTS FOR
THE YEAR 2013-14
(PROVISIONAL)

Registered Office : Urja Bhawan Victoria Park, Meerut


PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD., MEERUT
BALANCE SHEET AS AT 31.03.2014

PARTICULAR	NOTE	PROVISIONAL (Rs. in Lacs)	
		As at 31.03.14	As at 31.03.13
A EQUITY AND LIABILITIES			
1 Shareholders funds:			
Share Capital	(1)	247820.33	183914.63
Reserve & Surplus	(2)	(719189.47)	(637781.99)
Money received under share warrants			
2 Share application money pending for allotment	(3)	76368.47	67905.70
3 Non-current liabilities			
Long-term borrowings	(4)	975864.07	636021.23
Deferred Tax Liabilities (Net)			
Other Long-Term Liabilities			
Other Long-Term Provisions			
4 Current liabilities			
Short-Term Borrowings	(5)	15000.00	15000.00
Trade payables	(6)	(30338.28)	201704.26
Other current liabilities	(7)	419983.63	388801.08
Short-Term Provisions			
Total		985508.75	850965.51
B ASSETS			
Non-current assets			
Fixed Assets	(8)	686600.40	627828.77
Tangible Assets			
Intangible Assets			
Capital Work-in-Progress		30602.60	22332.96
Intangible Assets under Development			
Non-Current Investments			
Deferred Tax Assets (Net)			
Long-Term loans and advances			
Other Non-Current Assets	(9)	2.00	2.00
Less-Accumulated Depreciation		<u>257069.15</u>	<u>246590.09</u>
		460135.85	403573.64
2 Current Assets			
Current Investments			
(a) Inventories			
Stores & Spares	(10)	31487.04	28793.92
(b) Trade receivables	(11)	285478.79	281106.85
(c) Cash and Bank	(12)	105255.71	92919.77
(d) Short-term loans and advances	(13)	34330.79	24792.18
(e) Other Current Assets	(14)	68820.57	19779.15
		525372.90	447391.87
Significant Accounting Policies			
Notes on Accounts	(23)		
Note 1 to 23 and Accounting Policies form integral part of Accounts			
TOTAL		985508.75	850965.51


(L.K. Gupta)
Dy. CAO


(P.K. Agarwal)
Dy. G.M.(Accounts)



(A.K. Verma)
Director(Technical)


(R.P. Gupta)
Director(Finance)

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT
STATEMENT OF PROFIT AND LOSS ACCOUNT FOR THE PERIOD FROM 01.04.13 TO 31.03.14

PROVISIONAL				
(Rs. in Lacs)				
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)		946943.57	765653.50	
Less Electricity Duty		33297.90	31506.87	734146.6
Energy internally Consumed	(15)		1026.44	1140.60
Other Income				
Other Income	(16)		166616.66	195182.76
TOTAL		1059288.77	930469.99	
EXPENSES				
Cost of Materials Consumed				
Purchase of Power	(17)	944676.88	854614.29	
Changes in Inventories of Finished Goods, Work-in-Progress and Stock-in-Trade				
Transmission Charges		32533.52	41191.93	895806.22
Employees Cost	(18)		24910.84	39227.50
Operation & Other Expenses	(19)		26914.15	29376.40
Finance Cost	(20)		106788.83	78421.67
Depreciation	(21)	21537.79	18540.29	
Amortization of service line contribution & Grants etc.		(7803.67)	(6906.74)	11633.55
TOTAL EXPENSES		1149558.34	1054465.34	
Net Profit/(Loss) For the Year		(90269.57)		(123995.35)
Net prior period Income/(Expenditure)	(22)	(3637.73)		(6339.38)
Exceptional Items				
Net Profit/(Loss)		(93907.30)		(130334.73)
Extra Ordinary Items				
Profit before Tax		(93907.30)		(130334.73)
Tax Expenses				
Accumulated loss brought forward		(758292.14)		(627957.41)
Accumulated Profit/(Loss) Carried Over to Reserve & Surplus Note-2		(852199.44)		(758292.14)
Notes on Accounts	(23)			
Earning per share(in Rs.)		(379)		(709)


(P.K. Gupta)
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Dy. G.M.(Accounts)


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(R.P. Gupta)
Director(Finance)


**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

PROVISIONAL

NOTE-1


SHARE CAPITAL

PARTICULARS	(Rs. in Laacs)	
	As at 31.03.14	As at 31.03.13
A. AUTHORISED	500000.00	500000.00
* 50000000 (Previous Year 50000000) Equity Shares of Rs.1000/-each		
B. ISSUED SUBSCRIBED AND PAID UP		
(i) 18390963(8049780) Equity Share of Rs.1000/- each fully paid up allotted to UPPCL	247815.33	183909.63
(ii) Promoters' Shares (500 Equity Share of Rs. 1000/- each)	5.00	5.00
TOTAL	247820.33	183914.63


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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**


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NOTE-2

RESERVES AND SURPLUS

		(Rs. in Lacs)	
PARTICULARS	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	112997.11	100298.85	
Add: Received during the year	20302.43	18999.14	
	133299.54	119297.99	
Less: Transfer to P/L Account	7263.10	6300.88	
	126036.44	112997.11	
B. Grants			
As per last Balance Sheet	7451.19	8096.22	
Add: Received during the year	0.00	(257.48)	
	7451.19	7838.74	
Less: Transfer to P/L Account	540.56	387.55	
	6910.63	7451.19	
C. Restructuring reserve account			
As per last Balance Sheet	62.45	62.45	
Add: Received during the year	0.45		
	62.90	62.45	
D. Surplus in the statement of P/L Account			
As per last Balance Sheet	(758292.14)	(627957.41)	
Add: Profit/(Loss) for the year	(93907.30)	(130334.73)	
	(852199.44)	(758292.14)	
GRAND TOTAL	(719189.47)	(637781.39)	


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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
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PROVISIONAL

NOTE-3

SHARE APPLICATION MONEY

		(Rs. in Lacs)
PARTICULARS	As at 31.03.14	As at 31.03.13
SHARE APPLICATION MONEY (Pending for allotment to UPPCL)	76368.47	63905.70
Total	76368.47	63905.70


Reconciliation of Share Application Money

			(Rs. in Lacs)
Share Application Money as on 31.03.2013	Received during the year	Allotted during the year	Share Application Money as on 31.03.2014
63905.70	76368.47	63905.70	76368.47


NOTE:

1- Nos. of share proposed to be issued : 6774846


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PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
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NOTE-4

LONG TERM BORROWINGS

PARTICULARS	(Rs. in Lacs)			
	Non-Current		Current Maturities	
	As at 31.03.14	As at 31.03.13	As at 31.03.14	As at 31.03.13
A. Secured Loan				
9.68% SECURED LOAN CONVERTABLE BONDS	295180.19	0.00	0.00	0.00
(a) Terms Loan				
(i) APDRP(PTC)	6093.80	8368.41	2274.61	2274.61
(Secured against hypothecation of all the movable assets)				
(ii) R-APDRP(PTC)	27370.99	21700.99	0.00	0.00
(Secured against hypothecation of all the movable assets)				
(iii) R-APDRP(Part-B)	8003.47	0.00	0.00	0.00
(iv) REC	6517.46	6940.01	422.55	122.55
(For replacement of Overhead conductor with ABC conductor)				
(Secured against hypothecation of all the assets created under the loan)				
(v) REC	13671.82	9676.09	769.98	0.00
(Construction of 33 KV S/S. Secured against hypothecation of 33/11 KV created/to be created and charge on receivable of specified receipt accounts through escrow arrangements)				
(vi) REC	0.00	611.92	0.00	0.00
(Feeder Segregation. Secured against hypothecation of assets created/to be created and charge on receivable of specified receipt accounts through escrow arrangements)				
(vii) PTC	1261.73	1742.62	497.89	497.89
(Against theft prevention scheme, secured against hypothecation of assets)				
(b) Short Terms Loan				
(i) REC	3030.30	3424.24	0.00	109699.09
(Secured against hypothecation of stores and charge on receivables of specified receipt accounts through escrow arrangements)				
Total	361502.76	51464.20	3965.05	34104.14
B. Unsecured Loan				
(i) Transfer Scheme				
GoUP	375.00	375.00	0.00	0.00
REC	16460.98	17415.80	1045.38	1045.38
PTC	103.47	243.14	182.39	225.13
Total	16939.45	18033.94	1227.77	1270.51
(ii) Loan by UPPCL on behalf of PVVNL				
iii(a) Other than Bank				
UP Govt. (APDRP)	0.00	8508.35	0.00	2755.29
UP Govt. (Wardli Bank aided project)	0.00	6954.84	0.00	2401.40
BJUDCO	16424.95	23326.37	9084.95	10329.30
REC	24449.08	43500.00	0.00	0.00
PTC	74991.06	72617.46	0.00	0.00
Mandi Parishad	5867.39	1729.59	0.00	0.00
Noida	8131.25	3459.00	0.00	0.00
Total	179463.62	152294.52	9084.95	15473.99

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Total

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ii(b) Loan from Bank				
Central Bank of India	53777.31	51089.85	0.00	0.00
State Bank of India	19809.43	18812.67	0.00	0.00
Union Bank of India	36620.76	54290.87	0.00	0.00
Allahabad Bank	25338.88	43292.49	0.00	0.00
Dena Bank	11416.72	10793.87	0.00	0.00
Indian Overseas Bank	14488.48	13506.11	0.00	0.00
Canara Bank	47216.26	44620.70	0.00	0.00
Punjab National Bank	61851.90	55671.71	0.00	0.00
Vijaya Bank	15329.33	15589.91	0.00	0.00
Bank of Maharashtra	7713.68	7301.76	0.00	0.00
United Commercial Bank	25079.95	23708.54	0.00	0.00
Bank of Baroda	10048.92	9362.03	0.00	0.00
Oriental Bank of Commerce	31498.39	29800.21	0.00	0.00
Bank of India	12601.32	12018.35	0.00	0.00
South Indian Bank	3236.91	3043.56	0.00	0.00
Punjab & Sind Bank	15375.78	14338.04	0.00	0.00
Federal Bank	1525.70	1432.82	0.00	0.00
Corporation Bank	18847.20	17807.00	0.00	0.00
Syndicate Bank	5597.76	5297.06	0.00	0.00
Karnar Vysaya Bank	592.56	529.30	0.00	0.00
Total	417958.24	414228.87	0.00	0.00
GRAND TOTAL	975864.07	636021.23	14277.75	30848.64

Note: Loans taken by the holding company UPPCL & apportioned between the Discoms have been shown under item B-ii(a) & ii(b).


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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

PROVISIONAL

NOTE-5


SHORT TERM BORROWINGS


PARTICULARS	(Rs. in Lacs)	
	As at 31.03.14	As at 31.03.13
SECURED LOAN		
Rural Electrification Corporation Ltd.	15000.00	15000.00
(charge on receivables of specified receipt accounts through escrow arrangements)		
GRAND TOTAL	15000.00	15000.00


NOTE-6

TRADE PAYABLES

PARTICULARS	(Rs. in Lacs)	
	As at 31.03.14	As at 31.03.13
Uttar Pradesh Power Corporation Ltd.		
Liability for Power Purchase	(110968.81)	112846.12
Uttar Pradesh Power Transmission Corporation Ltd.		
Liability for Transmission Charges	80630.53	88258.14
GRAND TOTAL	(30338.28)	201104.26


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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
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NOTE-7

OTHER CURRENT LIABILITIES

(Rs. in Lacs)		
PARTICULARS	As at 31.03.14	As at 31.03.13
As per Transfer Scheme 2003	41488.00	41488.00
Current liabilities of long term debt	14277.75	30848.64
Interest Accrued		
(i) Interest Accrued but not due on borrowings	21698.18	8484.39
(ii) Interest Accrued and due on borrowings	0.00	0.00
	21698.18	8484.39
Statutory Dues	189.13	154.39
Contractor's Liability	41203.98	44177.12
Deposits & Retentions from Suppliers & Others	9367.02	7901.15
Electricity Duty & Other Levies payable to Govt.	59010.57	36119.78
Other Liabilities payable to :		
CM Relief Fund	2.45	0.00
Uttar Pradesh Power Corporation Ltd	45734.61	41082.54
Madhyanchal Vidyut Vitran Nigam Ltd	7161.41	5955.37
Purvanchal Vidyut Vitran Nigam Ltd	218.44	222.96
Dakshinanchal Vidyut Vitran Nigam Ltd	1330.95	227.83
Staff Related Liabilities	26018.19	26740.57
General Provident Fund	38783.84	34302.84
Pension and Gratuity	7936.25	9396.05
CPF	144.58	116.86
Provision for Audit Expenses	682.54	618.70
Deposit for electrification works	7487.21	7059.23
Security deposit from consumers	99910.43	93904.66
TOTAL	419983.63	388801.08


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VICTORIA PARK, MEERUT

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NOTE-8

FIXED ASSETS


Particulars	Gross Block		Depreciation		Net Block	
	As at 31.03.13	Additions Deductions/ Adjustments	As at 31.03.14	Additions Deductions/ Adjustments	As at 31.03.14	As at 31.03.13
<u>TANGIBLE ASSETS</u>						
Land & Land Rights	100.47	62.79	0.00	163.26	0.00	163.26
Buildings	7609.89	317.89	91.95	7835.83	257.12	716.32
Plant & Machinery	140098.09	83052.55	65483.55	157667.09	8627.16	-17146.83
Lines, Cable Network etc.	239491.49	44369.73	3802.37	280058.85	12420.63	456.79
Vehicles	25.95	11.80	11.80	25.95	3.03	9.81
Furniture & Fixtures	979.53	436.74	500.81	915.46	75.83	65.33
Office Equipments	731.35	414.61	4.00	1141.96	153.72	145.03
Transfer Scheme	238792.00	0.00	0.00	238792.00	226852.40	0.00
Sub Total	627828.77	128666.11	69894.48	686600.40	246590.09	21537.80

CAPITAL WORKS IN PROGRESS

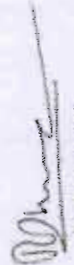
PARTICULARS	AS AT 31.03.2013	ADDITIONS	Capitalised	As at 31.03.2014
Capital Work in progress	22332.96	132460.80	124191.16	30602.60
Total	22332.96	132460.80	124191.16	30602.60

INTANGIBLE ASSETS

NIL


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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

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NOTE-9

OTHER NON-CURRENT ASSETS

(Rs. in Lacs)

PARTICULARS	As at 31.03.14	As at 31.03.13
Balance in Fixed Deposit (Note 12)	2.00	2.00
(Remaining Maturity more than twelve months) Amount disclosed under other current assets Note no-13		
TOTAL	2.00	2.00

NOTE-10


INVENTORIES

(Rs. in Lacs)


PARTICULARS	As at 31.03.14	As at 31.03.13
Stores and Spares	36118.04	33424.92
Less: Provision for unserviceable store	4631.00	4631.00
TOTAL	31487.04	28793.92

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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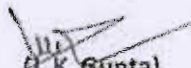
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
NOTE-11


TRADE RECEIVABLE


(Rs. in Lacs)

PARTICULARS	As at 31.03.14	As at 31.03.13
<u>Sundry Debtors</u>		
<u>Debt outstanding for a period exceeding six months</u>		
Unsecured & considered good	239475.01	236497.25
Considered doubtful	165717.89	165717.89
	<u>405192.90</u>	<u>402215.14</u>
<u>Debt outstanding for a period not more than six months</u>		
Unsecured & considered good	37570.66	37280.13
Considered doubtful	1962.11	1962.11
	<u>39532.77</u>	<u>39242.24</u>
<u>Debt outstanding against theft</u>		
Unsecured & considered good	8433.12	7329.47
Considered doubtful	2811.04	2443.16
	<u>11244.16</u>	<u>9772.63</u>
<u>Total Debtors</u>	<u>455969.83</u>	<u>451230.01</u>
Less - Provision for Bad & Doubtful Debts	170491.04	170123.16
NET DEBTORS	285478.79	281106.85


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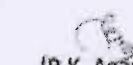
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Note-12

CASH AND BANK


(Rs. in Lacs)

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			91394.47	86810.58
Balance in Fixed Deposit (Remaining Maturity less than twelve months)			727.50	734.45
Balance in Fixed Deposit (Remaining Maturity more than twelve months) Amount disclosed under other current assets Note no-9	2.00	2.00		
Cash in hand			13133.74	25374.74
TOTAL	2.00	2.00	105255.71	92919.77


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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**


PROVISIONAL


NOTE-13


SHORT TERM LOANS AND ADVANCES


(Rs. in Lacs)

PARTICULARS	As at 31.03.14	As at 31.03.13
ADVANCES (Unsecured)		
Suppliers / Contractors	33775.57	24394.27
	33775.57	24394.27
Prepaid Expenses		
Prepaid Expenses	17.42	12.79
	17.42	12.79
ADVANCES (Secured)		
Staff	14.09	8.81
Income Tax(TDS)	403.54	256.14
Fringe Benefit Tax	120.17	120.17
	537.80	385.12
TOTAL	34330.79	24792.18


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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
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PROVISIONAL


NOTE-14

OTHER CURRENT ASSETS

(Rs. in Lacs)

PARTICULARS	As at 31.03.14	As at 31.03.13
Receivables as per Transfer Scheme	2198.00	2198.00
Income accrued on deposit	169.26	112.70
<u>Receivables</u>		
Uttar Pradesh Government.	11128.42	0.00
Uttar Pradesh Power Corpoartion Ltd.	13122.38	29436.28
Uttar Pradesh Power Trans. Corp. Ltd.	471.86	157.54
KESCO	103.22	103.22
<u>Receivables on accounts of Loan</u>		
Uttar Pradesh Power Corpoartion Ltd.	78566.71	71398.86
Less:- Liabilities against Loan	-48334.42	30232.29
		-97370.63
<u>Receivables from staff</u>		
Employees	1678.66	1539.21
Less Provision for doubtful Receivable	-171.96	1506.70
		-158.01
Misc. Receivable	39.61	265.66
Theft of fixed Assets pending investigation	6969.70	6121.49
Less Provision for Estimated Loss	-6969.70	0.00
		-6121.49
<u>Inter Unit Transfer</u>		
IUT	9848.83	12096.32
TOTAL	68820.57	19779.15


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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
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PROVISIONAL


NOTE-15


REVENUE FROM OPERATIONS

(Rs. in Laacs)

PARTICULARS	2013-14	2012-13
<u>Large Supply Consumers</u>		
Industrial	412820.29	365242.30
Irrigation	14.87	15.55
Public Water Works	19933.31	14456.93
<u>Small & Other Consumers</u>		
Domestic	217092.28	179995.24
Commercial	67737.04	60843.12
Industrial Low & Medium Voltage	72983.52	53580.86
Public Lighting	10808.03	8803.05
STW & Pump Canals	12482.09	10185.02
PTW & Sewage Pumping	29637.81	23856.09
Institution	12813.59	12011.37
Railway	3756.50	2578.40
Assessment against Theft	3551.93	2816.05
Regulatory Surcharge	28256.57	0.00
Miscellaneous Charges from consumers	784.28	903.25
Less:-Energy internally Consumed	(1026.44)	(1140.60)
Sub Total	891645.67	734146.63
Electricity Duty	55297.90	31506.87
Gross Sale of Power	946943.57	765653.50
Less: Electricity Duty	55297.90	31506.87
Net Sale of Power	891645.67	734146.63
Energy internally Consumed	1026.44	1140.60


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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
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PROVISIONAL

NOTE-16

OTHER INCOME


(Rs. in Laacs)		
PARTICULARS	2013-14	2012-13
R.E. Subsidy from Govt. of U.P.	10360.00	7539.00
Revenue Loss & Tariff Subsidy from Govt. of UP	144319.00	177563.00
Interest from loan to Staff *	0.17	0.21
Delayed Payment Charges from consumers	9922.40	8826.28
Interest from Bank	1752.59	841.23
Income from Contractors/Suppliers	156.17	311.88
Rental from Staff	40.80	10.50
Rebate for timely repayment of Loan	41.08	69.42
Miscellaneous Receipts	24.45	21.24
TOTAL	166616.66	195182.76


* Pertains to loan amount advanced during UPSEB period

NOTE-17


PURCHASE OF POWER

(Rs. in Laacs)		
PARTICULARS	2013-14	2012-13
Power Purchase	944676.88	854614.29
Transmission Charges	32533.52	41191.93
TOTAL	977210.40	895806.22


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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
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NOTE-18


EMPLOYEES COST

(Rs. in Lacs)		
PARTICULARS	2013-14	2012-13
Salaries & Allowances	15966.50	15695.82
Dearness Allowance	12300.89	10120.45
Other Allowance	1261.54	1250.96
Bonus	176.60	517.04
Medical Expenses	886.47	676.08
Leave Travel Assistance	0.00	8.18
Earned Leave Encashment on retirement	3830.91	20027.45
Compensation	6.50	9.40
Staff Welfare Expenses	17.44	13.70
Pension & Gratuity	3946.51	4040.99
CPF	643.49	492.21
Expenditure on Trust	59.53	57.75
Sub Total	39096.38	52910.03
LESS - Expenses Capitalised	14185.54	13682.53
TOTAL	24910.84	39227.50


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(R.P. Gupta)
Director(Finance)

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

PROVISIONAL


NOTE-19

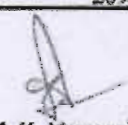
OPERATION & OTHER EXPENSES


(Rs. in Lacs)

PARTICULARS	2013-14	2012-13
REPAIR & MAINTENANCE		
Plant & Machinery	8190.58	9724.81
Buildings	355.79	320.15
Lines, Cables net works etc.	12165.53	10692.27
Furniture & Fixtures	1.20	3.35
Office Equipments	38.90	34.40
OTHER EXPENSES		
Rent	39.26	38.70
Rates & Taxes	0.46	22.20
Insurance	49.13	45.34
Telephone	230.51	211.48
Postage	31.43	29.20
Legal Charges	129.54	209.58
Audit Fee	21.62	38.20
Traveling Expenses (Audit)	2.52	9.28
Consultancy Charges	247.36	421.49
Fees & Subscription	380.22	362.69
Traveling and Conveyance	364.10	334.22
Printing and Stationery	275.75	236.53
Advertisement Expenses	152.75	191.74
Electricity Charges	1026.44	1140.60
Water Charges	0.75	0.66
Meter Reading & Billing Expenses	2499.33	1804.69
Expenditure on Trust	2.86	2.61
Compensation staff	13.11	0.84
Compensation (Other than staff)	93.65	75.32
Miscellaneous Expenses	1615.04	1126.96
PROVISIONS		
Provision for Doubtful Debts	367.88	2443.16
Other Expenses	0.00	125.71
Provision for Loss against theft of Fixed Assets pending investigation	848.21	994.19
Provision for Bad & Doubtful Dues from start on accounts or various reasons.	13.94	-6.48
SUB TOTAL	29157.86	30633.89
LESS - Expenses Capitalised	2243.71	1257.49
TOTAL	26914.15	29376.40


(L.K. Gupta)
Dy. CAO


(P.K. Agarwal)
Dy. G.M.(Accounts)


(A.K. Verma)
Director(Technical)


(R.P. Gupta)
Director(Finance)

**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**

PROVISIONAL

NOTE-20

FINANCE COST

(Rs. in Lacs)		
PARTICULARS	2013-14	2012-13
Interest on Loans		
Government of UP	1053.52	3912.71
Interest on Bonds	13609.67	0.00
PFC	8203.42	2305.41
Others	0.00	0.00
R-APDRP	216.62	0.00
APDRP	1176.75	1419.86
HUDCO	4327.67	3984.80
REC	-9.67	9.67
REC	14959.04	10093.27
Bank Loan	55151.55	50899.37
Interest on GPF	1326.38	0.00
Interest to Consumers	7049.27	6609.00
Finance Charges	3.74	5.70
Bank Charges		
Others	25.59	23.90
SUB TOTAL	107093.55	79263.69
LESS - Interest Capitalised	304.72	842.02
TOTAL	106788.83	78421.67

NOTE-21

DEPRECIATION

(Rs. in Lacs)		
PARTICULARS	2013-14	2012-13
Depreciation	21537.79	18540.29
Ammortization of service line contribution & Grants etc	-7803.67	-6906.74
GRAND TOTAL	13734.12	11633.55

(J.K. Gupta)

Dy. CAO

(P.K. Agarwal)

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(A.K. Verma)

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(R.P. Gupta)

Director(Finance)


**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,
VICTORIA PARK, MEERUT**


PROVISIONAL


NOTE-22


NET PRIOR PERIOD INCOME/(EXPENSES)

(Rs. in Lacs)		
PARTICULARS	2013-14	2012-13
A. INCOME		
Receipt from consumers	0.00	366.96
SUB TOTAL	0.00	366.96
B. EXPENDITURE		
Power Purchase	0.00	0.00
Wheeling Charges	0.00	(0.02)
Operating Expenses	65.74	5.39
Employees Cost	581.82	410.76
Depreciation Prev. Years	0.00	193.30
Interest & finance charges	3716.80	6086.46
Admin. & General Exp. For Previous Years	(726.63)	10.45
SUB TOTAL	3637.73	6706.34
GRAND TOTAL	(3637.73)	(6339.38)


(P.K. Gupta)
Dy. CAO


(P.K. Agarwal)
Dy. G.M.(Accounts)


(A.K. Verma)
Director(Technical)


(R.P. Gupta)
Director(Finance)

PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED

Note No. 23

PROVISIONAL

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

- 1) (a) The Company was incorporated under the Companies Act 1956 on 01-05-2003 and commenced the business operations w.e.f 12-08-2003 in terms of Government of U.P Notification No. 2740/P-1/2003-24-14P/2003 dated 12-08-2003.
- (b) The Company is a subsidiary of U.P. Power Corporation Ltd. The annual accounts for the year 2013-14 are based on the balances of assets and liabilities received as per Transfer Scheme 2003 as well as the transactions pertaining to business during the period 12-08-2003 to 31-03-2004 and the financial years 2004-05 to 2013-14. The final transfer scheme is yet to be finalised and the balances in the accounts will be adjusted accordingly.
- (c) Authorised capital of the company is Rs. 5,000 crore. divided in Rs. 5 crore. equity shares of Rs. 1000 each.
- (d) The share capital includes 500 Nos. Equity Shares of Rs. 1000 each allotted to subscribers of Memorandum of Association and shown separately in Balance Sheet.
- (e) During the year 6390570 equity shares of Rs. 1000 each, valuing Rs. 6390570000.00 has been allotted to Uttar Pradesh Power Corporation Limited as approved in the 78th and 79th meeting of Board of Directors held on 10.10.13 & 31.01.14 respectively.
- (f) Difference of Loan transferred under provisional Transfer Scheme 2003 and actual loan amounting to Rs. 6290090.00 (Credit) has been shown in Restructuring Reserve Account (Refer Balance Sheet Note No.-2).
- 2) (a) The Company is making efforts to recognize and identify the location of fixed assets, transferred under the Transfer Scheme-2003 for the purpose of maintaining the Fixed Assets Register. Till such time the assets as mentioned in the Transfer Scheme, have been taken into accounts.
- (b) During the year, the depreciation has been provided as per the Schedule-XIV of Companies Act 1956 on "Straight Line Method" basis.
- (c) In absence of asset wise break up of Plants & Machinery, Lines & Cables and other assets taken over as on 12-08-2003, the depreciation on these assets has been charged @ 4.75% on the value transferred as per transfer scheme 2003, being the rate prescribed for majority of items as per Companies Act 1956.



- (d) Due to multiplicity of nature of capital works and difficulty in establishing the correct date of installation of assets, (where actual date is not available) the depreciation on addition of fixed assets during the year has been provided on pro-rata basis by taking average six months period.
- 3) The loan taken by UPPCL on behalf of the Company has been transferred during the year 2013-14 amounting to Rs. 2393.42 Crore and repayment made by UPPCL amounting to Rs. 92.82 Crore have been accounted for in the books of the Company.
 - 4) Since implementing period of RAPDRP Part-A has been extended from three years to five years by Ministry of Power, Govt. of India vide its order no. 14/01/2011-APDRP dated 08.07.2013 as informed by M/s Power Finance Corporation Ltd., New Delhi vide letter no. 02:10R-APDRP (P-A):2009:UPPCL/12439 dated 31.07.2013 which has further been extended by Power Finance Corporation Ltd. vide letter no. 02/10/R-APDRP (P-A)/2014/PVVNL/022008 dated 28-07-2014 upto 30-06-2015, the interest on loan taken under RAPDRP Part 'A' amounting to Rs. 70.24 crore has been treated as contingent liability.
 - 5) APDRP & World Bank Loan from UP Govt. amounting to Rs. 42.52 Crore & Rs. 85.55 Crore respectively has been converted into equity and the same has been accounted for in the books of accounts accordingly.
 - 6) Loan from different financial institutions taken by UPPCL during the financial year 2011-12, 2012-13 & 2013-14 amounting to Rs. 1938.80 Crore have been converted into 9.68% Secured Non Convertible Bonds.
 - 7) For clearance of Power Purchase Liability, during financial year 9.68% Secured Non Convertible Bonds amounting to Rs. 1016 Crore has been issued.
 - 8) Necessary action for capitalisation of borrowing cost has been taken as per AS-16.
 - 9) The 25% provision for doubtful debts against the assessment for theft of energy has been made.
 - 10) Yearwise classification of Sundry Debtors could not be given as the same is under process.
 - 11) The provision for bad and doubtful debts against revenue from sale of power has not been made since the sufficient provision already exists in the Transfer Scheme-2003.
 - 12) The provision for unserviceable/obsolete material has not been made since the sufficient provision already exists in the Transfer Scheme-2003.
 - 13) The provision for doubtful receivable from employees have been made @ 10% on the incremental basis appearing at the close of financial year under the head "Other Current Assets- Other Receivables-Employees" have been made.



- 14) The 100% Provision for loss on account of theft of fixed assets pending investigation have been made for balance at the close of financial year.
- 15) (a) Some balances appearing under the heads 'Current Assets', 'Loans & Advances', 'Unsecured Loans', 'Current Liabilities', Material in transit/under inspection/lying with contractors are subject to confirmation/reconciliation and subsequent adjustments, as may be required.
(b) On an overall basis the current assets, loans and advances have a value on realisation in the ordinary course of business, at least equal to the amounts at which these are stated in the Balance Sheet.
- 16) The Value of construction stores is charged to capital work-in-progress as and when the material is issued. The material at the year end lying at the work sites is treated as part of capital work in progress but the material lying in stores is grouped under the head "Stores & Spares".
- 17) (a) The energy is being purchased as a bulk supply from UPPCL (The Holding Company).
(b) UPPTCL has charged the Transmission charges @ Rs. 0.135 per KWH.
- 18) Amount due to Small & Micro units could not be ascertained and interest thereon could not be provided for want of complete information. Efforts are being made to segregate the same.
- 19) Based on actuarial valuation report submitted by M/s Price Waterhouse Coopers to UPPCL (the Holding Company) and adopted by their Board of Directors, the provision for accrued liability on account of Pension and Gratuity during the year has been made @ 16.70% and 2.38% respectively on the amount of Basic Pay and DA paid to the employees.
- 20) Liability towards Staff training, Medical expenses and LTC has been provided to the extent established.
- 21) The reconciliation of Inter Unit Transfer balances amounting to debit Rs. 98.49 crore (previous year debit Rs. 120.96 crore) is in process and the effects of reconciliation, if any, will be provided for, in the forthcoming years.
- 22) Rebate received against timely repayment of loan has been accounted for on cash basis.
- 23) Expenditure on UP Power Sector Employees Trust amounting to Rs. 62.39 (previous year 60.36) lacs, distributed on prorata basis has been accounted for as intimated by the Holding Company.
- 24) Employees cost includes remuneration to Managing Director and Directors as under.

	Amount (Rs. in Lacs)	
	2013-14	2012-13
Salary and Allowance	52.64	24.70
Contribution to Gratuity / Pension	7.69	3.66



- 25) Payment to Directors and Officers in foreign currency towards foreign tour was Nil. (previous year - NIL)
- 26) Debts due from Directors were Rs. NIL. (Previous year - NIL)
- 27) Information pursuant of provision of Part I & II of Schedule VI of Companies Act, 1956 are as under :-

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

Sl.No.	Details	2013-14	2012-13
(i)	Total no. of Units Purchased (MU)	24098.900	23673.526
(ii)	Total no. of Units sold (MU)	18542.01	17007.34
(iii)	Transmission & Distribution Losses	23.05%	28.16%

- (b) Contingent Liabilities under different categories i.e. Claims against the company not acknowledged as debts, Capital commitment and Contingencies for the year is Rs. 70.24 crore (previous year Rs. 45.28 crore).
- (c) The details of auditor's expenses is as under :-


(Rs. In lacs)

Details	2013-14	2012-13
(i) As auditor	-	-
(x) Audit fees	21.62	38.20
(y) T.A. expenses	2.52	9.28
(ii) As advisor	-	-
(x) Taxation matters	-	-
(y) Company law matters	-	-
(iii) In any other manner	-	-


- 28) Government dues in respect of Electricity Duty and other levies amounting to Rs. 590.11 crore (previous year Rs. 361.20 crore) shown in Note No-7 includes Rs. 96.62 crore (previous year Rs. 76.47 crore) on account of compounding charges realised from consumers.
- 29) AS-2: The Company has large nos of Stock items located at various divisions/sub-divisions/store centre etc.. To establish the realisable value, as such, is practically very difficult. Same has been valued at cost. The difference of cost and realization value in overall position will be insignificant.

- 30) AS-10: Due to multiplicity of functional units as well as multiplicity of function at particular unit, employees cost and administration & general expenses to capital works are capitalized @ 15% on distribution and deposit work, 11% on other works on the amount of total expenditure.
However capitalization of employees cost and administration & general expenses is restricted to the expenditure actually made in a particular financial year.
- 31) Since the Company is principally engaged in the distribution business of electricity and there are no other reportable segment as per AS-17, hence the disclosure as per AS-17 on segment reporting is not required.
- 32) The disclosure required as per AS-18 issued by ICAI on related parties transactions is not applicable as the Accounting Standard provides that "no disclosure is required in the financial statement of state-controlled enterprises as regard related party relationship with other state-controlled enterprises and transactions with such enterprises"
- 33) Due to heavy carried forward losses/depreciation and uncertainties to recover such losses/depreciation in near future, accounting of deferred tax assets as required by AS-22 issued by ICAI is not made.
- 34) AS-28 requires estimation and provision for impairment loss represented by amount by which the carrying amount of an asset exceeds its recoverable amount. The recoverable amount is higher of the assets net selling price and its value in use based on the present value of estimated future cash flows expected from the use of assets and its disposal at the end of its useful life. It is worth mentioning here that assets of the Company have been accounted for at their historical cost and most of the assets are very old. Thus the impairment of assets is unlikely in the Company because of the fact that the recoverable amount of the assets is higher than its present accounted value.
- 35) The figures shown in the Balance Sheet, Profit & Loss Account and Schedules have been rounded off to the nearest rupees in lakhs.
- 36) Previous year figures have been regrouped, rearranged and reclassified wherever considered necessary.


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PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED
VICTORIA PARK, MEERUT

PROVISIONAL

SIGNIFICANT ACCOUNTING POLICIES 2013-14

1. GENERAL

- (a) The financial statements are prepared in accordance with the provisions of The Companies Act 1956.
- (b) The accounts are prepared under historical cost convention, on accrual basis unless stated otherwise and on accounting assumption of going concern.
- (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 as well as the transactions made by Nigam w.e.f. 12.08.2003 onwards.
- (b) All costs relating to the acquisition and installation of fixed assets till the date of commissioning are capitalized.
- (c) Consumers' Contribution, Grant 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 functions at particular unit, employees cost, administration & general expenses to capital works are capitalized @ 15% on distribution and deposit work, 11% on other works on the amount of total expenditure. However for fair accounting treatment, the same has been restricted to the expenditure actually incurred in a particular financial year.
- (f) The 100% provision for loss on account of theft of fixed assets pending investigation are being made for balance at the close of financial year.

3. DEPRECIATION

- (a) Depreciation is charged on straight line method at the rates prescribed in the schedule XIV of Indian Companies Act 1956.



- (b) Fixed assets are depreciated up to 95% of original cost after taking 5% as the residual value of assets.

4. STORES & SPARES

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

5. REVENUE/EXPENDITURE RECOGNITION

- (a) Revenue from sale of energy is accounted for on accrual basis.
(b) Late payment surcharge recoverable from consumer on energy bills is accounted for on cash basis due to uncertainty of realisation.
(c) The sale of electricity does not include electricity duty payable to the State Government, as the same is not the income of the Nigam.
(d) Assessment of own energy consumption is done on the basis of connected load/hours of supply/meters.
(e) Sale of energy is accounted for based on tariff rates approved by U.P. Electricity Regulatory Commission.
(f) In case of detection of theft of energy, the consumer is billed on laid down norms irrespective of actual realisation from the consumer.
(g) Penal interest, overdue interest, commitment charges, restructuring charges and incentives/rebates on loans are accounted for on cash basis after final ascertainment.
(h) 5% provision for bad and doubtful debts against revenue from sale of power are being made on incremental basis.
(i) The provision for doubtful receivable from employees are being made @ 10% on incremental basis.

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.



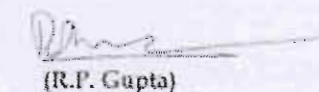
(b) Post retirement medical benefits are accounted for on the basis of claims received and approved during the year.

(c) Leave encashment has been accounted for on accrual basis.


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