

भारतीय गैर न्यायिक



INDIA NON JUDICIAL

उत्तर प्रदेश UTTAR PRADESH

72AB 750014

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 and Tariff petition  
for FY 2013-14.

I, Sri O.P. Jain S/o Sri G.R. Jain do solemnly affirm and say as under :-

1. That I am the Managing Director of the above named Company and am duly authorized by the said applicant to make this affidavit on its behalf.
2. That I am filing the enclosed Annual Revenue Requirement and Tariff petition for the FY 2013-14 and request the Commission to accept it along with other documents
3. That the Commission may kindly be pleased to accept the Annual Revenue Requirement and Tariff petition and pass such necessary orders as it may deem necessary.
4. That Sri Mohan Singh, Chief Engineer(Commercial) is being authorized to sign the enclosed Annual Revenue Requirement and other documents.

Dated: December 04, 2012

  
(O.P. JAIN)  
DEPONENT  
(O. P. JAIN)  
Managing Director  
Paschimanchal Vidyut Vitran Nigam Ltd.  
MEERUT



बैंचो बरत बरत बरत  
ISSUING BRANCH JAL CHUNGI, MEBRUT CITY - 250 902 (U.P.)

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# ANNUAL REVENUE REQUIREMENT

FOR

FY 2013-14



Pashchimanchal Vidyut Vitaran Nigam Limited

MEERUT DisCom

December 2012

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(व्यक्तिगत)

मुख्य अभियन्ता (व्यक्तिगत)  
 राष्ट्रीयवायु विद्युत वितरण निगम लि.  
 दिल्ली-110001

## 1. BACKGROUND AND PROCEDURAL HISTORY

### 1.1 BACKGROUND

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

- Uttar Pradesh Power Corporation Limited (UPPCL) assigned with the function of Transmission and Distribution of power within the State.
- Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited (UPRVNL) assigned with the function of Thermal Generation within the State.
- Uttar Pradesh Jal Vidyut Nigam Limited (UPJVL) 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)
- Pashchimanchal Vidyut Vitaran Nigam Limited (MEERUT DisCom)
- Purvanchal Vidyut Vitaran Nigam Limited (VARANASI DisCom)

Pashchimanchal 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.



मुख्य अभियन्ता (व्यवस्थापक)  
मुंबई अखिल विद्युत वितरण निगम लि०

पश्चिमोत्तर विद्युत वितरण निगम लि०  
वाराणसी, भारत



## 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 PETITION AND TARIFF ORDERS FOR FY 2010-11, 2011-12 and 2012-13

The ARR/Tariff Petitions for FY 2010-11 & 2011-12 and for FY 2012-13 were filed by the Petitioner on 25<sup>th</sup> March 2011 and 21<sup>st</sup> February 2012. The Hon'ble Commission admitted the ARR petition for further processing on 25<sup>th</sup> June 2012. The Commission through its admittance order also directed PVVNL to publish the Public Notice detailing the salient information and facts of the ARR petition for FY 2010-11, 2011-12 and 2012-13, in at least two daily newspapers (one English and one Hindi), for two successive days inviting suggestions/comments/views from all stakeholders and the public at large.

The Public Notice detailing the salient information and facts of the ARR petition was published in several newspapers as per the list below:

• Hindustan (Hindi)	8 <sup>th</sup> July 2012, 9 <sup>th</sup> July 2012
• Hindustan Times (English)	8 <sup>th</sup> July 2012
• Amar Ujala (Hindi)	8 <sup>th</sup> July 2012, 9 <sup>th</sup> July 2012
• Dainik jagran (Hindi)	8 <sup>th</sup> July 2012, 9 <sup>th</sup> July 2012
• Aaj (Hindi)	8 <sup>th</sup> July 2012
• Sunday Times (English)	8 <sup>th</sup> July 2012
• Rashtriya Swaroop (Hindi)	8 <sup>th</sup> July 2012
• Rashtriya Sahara (Hindi)	8 <sup>th</sup> July 2012
• Swatantra Bharat (Hindi)	8 <sup>th</sup> July 2012
• Voice of Lucknow (Hindi)	8 <sup>th</sup> July 2012
• Avadhnama (Urdu)	8 <sup>th</sup> July 2012
• Roznama (Urdu)	8 <sup>th</sup> July 2012
• Dainik in Dinon (Urdu)	8 <sup>th</sup> July 2012
• Hindustan (Hindi), Aligarh Edition	9 <sup>th</sup> July 2012
• Hindustan (Hindi), Agra Edition	9 <sup>th</sup> July 2012
• Hindustan (Hindi), Bareilly Edition	9 <sup>th</sup> July 2012
• Hindustan (Hindi), Moradabad Edition	9 <sup>th</sup> July 2012



मुख्य अधिकारी (वित्तिक)

मुख्य अधिकारी (वित्तिक)

दक्षिणपूर्व विद्युत वितरण निगम लि०  
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The Hon'ble Commission invited comments/suggestions from consumers and all other stakeholders on the ARR & Tariff proposal of the licensee. To provide an opportunity to all sections of the population in the licensee's area of supply and to obtain feedback from them, a public hearing was held in the entire state by the Hon'ble Commission. The place and date of the public hearings held is provided below:

Agra	16.08.2012
Greater Noida	18.08.2012
Noida	18.08.2012
Allahabad	23.08.2012
Kanpur	25.08.2012
Lucknow	11.09.2012

Consumer representatives, industry associations as well as several individual consumers participated actively in the public hearing process. The Petitioner was also given an opportunity to respond to the stakeholders.

The Hon'ble Commission issued the final order on the Petitions for FY 2010-11, 2011-12 and 2012-13 on 19<sup>th</sup> October 2012 and in Para 11 of the said order stated that the tariffs applicable in the area of supply shall be effective from 1<sup>st</sup> October 2012.

#### 1.4 ARR PETITION FOR FY 2013-14

A combines 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, 2012.

Accordingly, the Petitioner is hereby submitting its ARR Petition for FY 2013-14.

#### 1.5 STRUCTURE OF THE ARR PETITION FOR FY 2013-14

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

##### 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 3

##### Capital Investment Plan

This section details the nature of scheme and the expected financial outlay towards

the capital investment plan for FY 2013-14. Section also provides the revised estimates in respect of capital investment for FY 2012-13

**Chapter 4 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 5 Load Forecast and Revenue Assessment**

This includes actual sales for FY 2011-12, estimates for FY 2012-13 and forecasts for FY 2013-14. It also includes actual billing determinants for FY 2011-12, estimates for FY 2012-13 and projected billing determinants and revenue assessment for FY 2012-13 and FY 2013-14 by consumer category.

**Chapter 6 ARR for Wheeling and Retail Supply Business**

This includes the ARR forecast for FY 2013-14. 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 7 Treatment of the Revenue Gap**

This sections deals with the treatment of the revenue gap

**Chapter 8 Prayers**

The main prayers are summarized in this section

  
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परिचालना विद्युत विद्युत नि.सं. लि.  
विद्युत विद्युत वॉक, नैरोट

## 2. 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 2012-13 (current year) and FY 2013-14 (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:

#### 2.1 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 existing system.
- d. Reduction of technical losses.
- e. Down time reduction.
- f. Load growth.

#### 2.2 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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वर्षा, पुरत  
विद्युत वितरण विभाग, पुरत

### 2.3 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.

### 2.4 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.

### 2.5 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:



Regional Engineer  
Central Region  
New Delhi

- 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.

## 2.6 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.



मुख्य अधिकारी (वर्तमान)  
मुख्य अधिकारी नियुक्त विभाग, दिल्ली  
दिल्ली विद्युत निगम, नई दिल्ली  
दिल्ली विद्युत निगम, नई दिल्ली

### 3. 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:

#### 3.1 R-APDRP

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

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

**Part -A** of the scheme essentially covers the application of information technology in distribution utilities across the country. The scheme shall involve implementation of IT modules for data acquisition, new connections/disconnection, energy accounting & audit, 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

### 3.2 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.

### 3.3 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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### 3.4 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.

### 3.5 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.

### 3.6 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.

### 3.7 INSTALLATION OF AERIAL BUNCH CONDUCTORS

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



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**3.8 CONSUMER DEPOSIT WORKS**

The quantum of funds towards the deposit work to be carried is dependent on the request of the consumers. Such requests of execution of deposit work are expected from various Government Department and privates entities. The Petitioner envisages undertaking works under deposit works costing Rs. 200 crore in FY 2013-14

**3.9 CAPITAL INVESTMENT PLAN FOR FY 2012-13 – REVISED ESTIMATES**

The revised estimate in respect of capital expenditure being undertaken in FY 2012-13 is summarized in the table below:

**Table 3-1: Revised Estimates of Capital Expenditure in FY 2012-13 (Rs Crore)**

Particulars	Capital Investment Plan				
	Equity	Loan	Grant	Deposit	Total
Construction of 33/11kV Substation.	42.52	99.21			141.73
Replacement of Jarjar Tar/Line	29.63				29.63
Replacement of damaged poles	17.24				17.24
Earthing of Transformer	6.44				6.44
Replacement of 11kV switch gear	35.76				35.76
Capacity enhancement of 33kV substation	107.67				107.67
Construction of 33/11kV Link Line	93.99				93.99
Strengthening of 11kV line	8.42				8.42
Construction of 11kV line	42.85				42.85
Work/Strengthening of LT line & System	10.55				10.55
Strengthening of 11kV line	15.15				15.15
Capacity enhancement of 11kV substation	11.79				11.79
Construction of 11kV Substation	21.34				21.34
Strengthening of 33kV Substation	14.65				14.65
Strengthening of 11/.4kV Substation	14.65				14.65
Misc. Distribution Work	14.65				14.65
Construction of feeders to separate Light & Fan Consumers and PTW Consumers	85.25	198.91			284.15
Replacement of single and three phase meters	73.25				73.25
Double metering of consumers	12.68				12.68
Connection to Sri Kansiram Garib Awaz Yojna	36.62				36.62
Extension of MD office	3.66				3.66
Construction of boundary wall of PWNL	1.46				1.46
Leftover work of previous year	4.39				4.39
Construction of residential houses	4.39				4.39
Construction of road for upgradation of store centre and other civil work	2.20				2.20
Construction, upgradation & renovation of	2.93				2.93



Description	Qty	Capital Investment Plan			Total
		Loans	Equity / Internal Accruals	Deposit Works	
Feeder Separation	KM	540.00	120.00	-	660.00
Creation of 33KV S/s and line and 11KV line consequent to Feeder Separation	59Nos.	104.01	23.11	-	127.12
Construction of 11KV Link line(Over head & under ground cable)	300KM	-	23.43	-	23.43
Upgradation of Store and Workshop	Nos.	-	2.00	-	2.00
Construction of New PCC Pole Unit	Nos.	-	5.00	-	5.00
Replacement of damaged Poles	12000Nos.	-	8.40	-	8.40
Earthing of Transformers	1300Nos.	-	1.56	-	1.56
Metering of Distribution Transformers	200Nos.	-	1.14	-	1.14
Replacement of Jarjar Tar	1700KM	-	8.33	-	8.33
Construction/Strengthening of LT Lines	250KM	-	4.60	-	4.60
Civil Works at Substations	Nos.	-	29.50	-	29.50
R-APDRP		404.50	-	-	404.50
Deposit Works		-	-	200.00	200.00
<b>Total</b>		<b>1,238.60</b>	<b>662.98</b>	<b>200.00</b>	<b>2,101.58</b>



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

The Hon'ble Commission had issued a number of directives to PVVNL in the FY 2012-13 tariff order dated 19<sup>th</sup> October 2012 with the objective of attaining of attaining operational efficiency and streamlining the flow of information, which would be beneficial for the sector both in short term and long term.

Directive	Status of Compliance
<p>Commission directs UPPCL to pressingly pursue the proposal for allocation of PPAs to DISCOMS with GoUP and expedite the processes allocation</p>	<p>The proposal for allocation of PPAs to Discoms has already been sent to GoUP. Appropriate steps are being taken to comply with the directives of the Hon'ble Commission</p>
<p>The Commission directs the Petitioner to ensure finalization of audited accounts for the past years at the earliest and for the future years within a reasonable time frame. Further, Petitioner is directed to ensure that the annual audited accounts of FY 2009 - 10, FY 2010 - 11 and FY 2011 - 12 are submitted along with the next ARR / Tariff filing to enable true up process to be undertaken.</p>	<p>The accounts upto FY 2008-09 have been audited by the statutory auditors. The provisional accounts for the years up to FY 2010-11 were submitted before the Hon'ble Commission during the proceedings in respect of determination of ARR and Tariff proceedings for FY 2012-13. Further the provisional accounts for FY 2011-12 duly attested by an independent chartered accountant firm are being submitted along with the current submissions.</p>
<p>Commission direct the Petitioner to carry out the energy audit / estimation study with voltage wise break up of distribution losses into technical loss and commercial loss. The Commission directs the Petitioner to report the status of the metering at all the interface points as well as the distribution transformers and feeders as we as submit an implementation plan for 100% metering in its respective licensed area.</p>	<p>This work is being taken up under the R-APDRP scheme</p> <p>100% Metering would be achieved during the FRP period and the submission in this regard has already been submitted vide letter no. 1666/RAU/Tariff Filing dated 04<sup>th</sup> October 2012 before the Hon'ble Commission.</p>
<p>The Commission directs the Petitioner to submit the details of power procured below 49.2 Hz between 1st April 2010 to 31st March 2012 along with costs during the submission of next ARR / Tariff petition.</p>	<p>Such details are not maintained at PVVNL level as it procures power from UP Power Corporation Limited.</p> <p>However information in this regard would be procured from UPPCL and would be submitted before the Hon'ble Commission in due course of time.</p>

Directive	Status of Compliance
The Commission directs Petitioner to adopt a transparent procedure based on competitive bidding for procuring power on short term basis.	Power is procured centrally at UPPCL level and hence PVVNL is not involved in any decision making in respect of procurement of power on short term basis. However it is understood UPPCL adopts transparent procedure based on competitive bidding for procuring power on short term basis.
Commission has direct Petitioner to submit its share of apportioned O&M expenses of UPPCL from FY 2001-02 to FY 2006-07, for truing up O&M costs from FY 2006-07.	The details in respect of apportioned O&M expenses of UPPCL from FY 2000-01 to 2007-08 would be submitted shortly after confirmation from UPPCL. The O&M expenses and interest & finance charges of UPPCL for the years 2011-12, 2012-13 and 2013-14 have been apportioned among various discoms including PVVNL and have been considered in this ARR Petition
The Commission directs Petitioner to suggest an appropriate policy on capitalization of salaries & wages.	The matter would be taken up at UPPCL level as it involves an overall policy decision
The Commission directs Petitioner to submit the Fresh Actuarial Valuation Study Report in respect to employee expenses.	The matter would be taken up at UPPCL level as the employees of PVVNL are not its core employees but common employees across all 4 Discoms, UPPCL and UPPCL.
Commission also directs the Petitioner to maintain necessary sub-account to capture the impact of pay revisions which are uncontrollable in nature.	Suitable instructions are being issued considering the directions of the Hon'ble Commission.
The Commission directs Petitioner to capitalize the expenditure based on the actual A&G expenses incurred / projected to be incurred. Further Petitioner should have proper accounting system to capture the expenses related to capital schemes rather than assuming a standard capitalization %age.	For projection purposes the capitalization is being proposed in the ARR Petition considering the established philosophy of the Hon'ble Commission. In respect of actual capitalization, it is being done in line with Accounting Standards and Generally Accepted Accounting Principles in concurrence with the Statutory Auditors
The Commission reiterates its direction to the Petitioner to ensure proper maintaining of detailed fixed assets registers to work out the depreciation	Instructions have been issued to the field offices for proper and regular maintenance of Fixed Asset Registers at every distribution sub-

  
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 पंजीकरण सं. १२६/२०१३

Directive	Status of Compliance
<p>expense as specified in the Distribution Tariff Regulations and directs the Petitioner to submit a report to the Commission citing clearly as to how they are maintaining fixed assets registers for the various assets.</p>	<p>station and offices.</p> <p>It has been instructed that the same may be prepared in line with Accounting Standards and Generally Accepted Accounting Principles and the accounting policy annexed with audited accounts reflects the philosophy adopted by PVVNL in respect of Fixed Assets and Depreciation</p>
<p>The Commission directs Petitioner to develop a system whereby the actual interest accrued / incurred till the capital scheme is completed and put to use gets captured in separate account typically called as 'Interest during Construction' (IDC) rather than assuming a standard capitalization % age.</p>	<p>For projection purposes the capitalization is being proposed in the ARR Petition considering the established philosophy of the Hon'ble Commission.</p> <p>In respect of actual capitalization, it is being done in line with Accounting Standards and Generally Accepted Accounting Principles in concurrence with the Statutory Auditors</p>
<p>The Commission directs the Petitioner to provide monthly report on the progress on computerization of accounting system which will ensure accurate collection and classification of cost and revenues under various account / sub-account leading to more pragmatic ARR / Tariff filings.</p>	<p>Various sub-divisions and divisions are using Tally and other accounting based software to prepare their accounts. Suitable steps are being taken to ensure compliance with the directions of the Hon'ble Commission.</p>
<p>As lack of approved transparent policy on identifying and writing off bad debts is hindering allowance of bad debts as an ARR component. Commission directs to Petitioner to submit ten sample cases of LT &amp; HT consumers where orders have been issued for writing off bad debts clearly depicting the procedure adopted for writing off bad debts such sample along with policy framework for managing bad debts for Commission perusal.</p>	<p>Action is being taken regularly in such cases by way of Permanent Disconnection and writing off the fictitious arrears at the distribution division level.</p> <p>Suitable steps are being taken to ensure compliance with the directions of the Hon'ble Commission.</p>
<p>Petitioner in its latest ARR submission has submitted distribution loss reduction trajectory for FY 2011 - 12 to FY 2015-16, however the same is not supported by any rationale and measures through the same will be achieved. Commission directs Petitioner to submit a detailed report</p>	<p>The distribution loss trajectory proposed by the distribution companies is based on the Financial Restructuring Plan prepared by UPPCL for period upto FY 2021-22</p>

Directive	Status of Compliance
<p>explaining the data source, the scope of work, methodology adopted in arriving at distribution loss reduction trajectory so submitted.</p>	
<p>The Commission directs Petitioner to conduct Cost of Service studies to have a tool for alignment of costs and charges and submit details regarding the cost of service studies for each category or voltage level. The paucity of data in this regard has restricted the Commission linkage of tariff to average cost of supply.</p>	<p>The desired studies in respect of cost of service studies for each consumer category or voltage level would be available after the R-APDRP scheme is fully implemented and functional</p>
<p>Commission directs the Petitioner to submit a road map for 100% metering in its licensed area.</p>	<p>All new connections are being issued as metered connections only. Suitable steps are being taken to ensure compliance with the directions of the Hon'ble Commission.</p> <p>The metering plan would be achieved during the FRP period and the submission in this regard has already been submitted vide letter no. 1666/RAU/Tariff Filing dated 04<sup>th</sup> October 2012 before the Hon'ble Commission.</p>
<p>The Commission directs the Petitioner to submit details of the planned implementation of prepaid meters, including details of the consumer categories and areas proposed to be covered and the timeframe involved.</p>	<p>Suitable steps are being taken to ensure compliance with the directions of the Hon'ble Commission. The field units have been instructed to compile the desired information.</p>
<p>The Commission directs the Petitioner to shift HT consumers from LV side to HV side and submit quarterly progress on the same.</p>	<p>Based on requests received, the consumers are being shifted from LV side to HV side. Suitable steps are being taken to ensure compliance with the directions of the Hon'ble Commission.</p>
<p>The Commission directs the Petitioner to increase awareness amongst the consumers regarding levy of power factor surcharge and the means to improve power factor by various means like installation of capacitors etc.</p>	<p>Suitable steps are being taken to ensure compliance with the directions of the Hon'ble Commission.</p>
<p>The Commission directs the Petitioner to install electronic meters in the residential consumers under LMV-10 category and submit a progress</p>	<p>As it is a policy decision, suitable decisions would be taken at the UPPCL level</p>

  
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 अध्यापक, राजेश अभियंता, इतर



Directive	Status of Compliance
<p>report every quarter.</p> <p>The Commission directs the Petitioner to initiate immediate steps to procure more long term power at reasonable rates to mitigate the demand supply gap.</p>	<p>Power is being procured centrally at UPPCL level. It is understood that all possible steps are being undertaken to boost long term power procurement sources to bridge the demand supply gap</p>
<p>The Commission directs Petitioner to initiate concrete steps to purchase power from renewable sources of energy so as to meet its Renewable Purchase Obligation under the UPERC (Promotion of Green Energy through Renewable Purchase Obligation) Regulations, 2010.</p>	<p>The RPO obligation is being met by sourcing power from cogenerators, bundled power through NTPC Vidyut Vyapar Nigam, other solar sources under Jawaharlal Nehru National Solar Mission, etc</p>

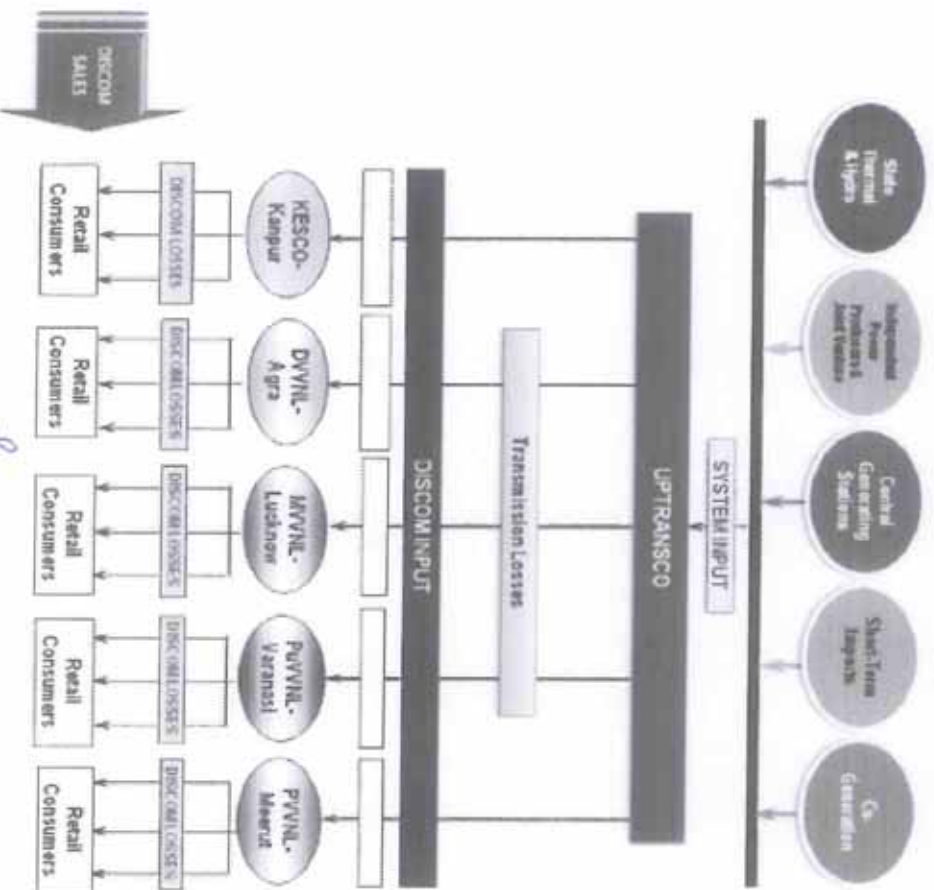


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 प्रशासनिक अधिकारी, बाराक

## 5. 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:



## 5.1 Detailed Methodology for Load Forecast

### 5.1.1 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.

### 5.1.2 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 2011-12.
  - c. 3 years' (2009-10 to 2011-12) and 5 years (2007-08 to 2011-12) compounded annual growth rate (CAGR) was determined for the following parameters consumer sub-category wise:
    - Number of consumers
    - Connected load: kW
    - Energy sales (billed energy): kWh
  - d. CAGR for each of three major commercial parameters for 3/5/7/10 years was determined consumer category-wise.
  - e. Running hour factor: Load shedding affects different consumer categories differently. Its effect was taken into account through a factor of present running hour supply and projected hour supply.

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

    - a) Following consumer categories:
      - Industrial
      - Agricultural (assuming that the water output of agricultural pump sets in the limited hours of supply is enough for meeting the irrigation requirements)
      - Railway traction
- The Energy Billed was calculated by applying the factor to the remaining consumer categories in all areas. This was done step-wise as follows:
- b) Projecting the running hours supply;



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- c) Obtaining the factor of running hours supply between present supply hours and projected hours supply;
- d) Sub-category Energy billed in % tabulated by way of Mahanagar, Commissionary, 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. It is to be noted that UPPCL expects a slight reduction in the running hours of supply for the financial year 2012-13 because of which the factors obtained are less than 1 for the year 2012-13

Table 5-2: Projected Hours of Supply

Description	Projected Approx. Running Hours		
	Base Year (2011-12)	2012-13	2013-14
Mahanagar – M	22:24	22:00	22:30
District – D	19:16	18:00	19:16
Commissionary - C	21:10	20:00	21:10
Rural – R	11:12	10:00	11:15
Bundelkhand – B	20:17	18:00	20:17
<b>Projected Running Hours Factor</b>			
	Base Year (200-11)	2011-12	2012-13
Mahanagar – M	1	0.98	1
District – D	1	0.93	1
Commissionary - C	1	0.94	1
Rural – R	1	0.89	1
Bundelkhand – B	1	0.89	1

- 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:
- Energy sales per consumer
  - Connected load per consumer
  - Energy sales/Connected load
- h. Sales Forecasting: LV Consumers – Sub-category-wise
- Number of consumers:

Adopted appropriate value of CAGR in the following manner:



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- 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 2011-12 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 5-3: Consumption Determinant**

Sr.No	Category of Un-Metered Consumer	Units	Consumption of Energy Per Month
1	Private Tube Well	KWh/KW	91.66

Sr.No	Category of Un-Metered Consumer	Units	Consumption of Energy Per Month
2	Domestic Rural Consumers	KWh/KW	72
3	Rural Commercial Consumers	KWh/KW	72
4	Rural State Tube Well	KWh/Consumer or Pump	3562.35
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 2011-12 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.

5.1.3 **Consumer Sub-category wise Projections**

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

5.1.4 **Connected Load Sub-category wise Projections**

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

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 प्रदेश

### 5.1.5 Sales Sub-category wise Projections

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

### 5.1.6 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 5-4: Distribution Losses Trajectory**

Discom	Base Year (2011-12)	2012-13	2013-14
PuVVNL (Retail)	28.15%	26.00%	23.00%
PuVVNL	26.20%	23.00%	22.00%
MVVNL	26.36%	24.00%	23.00%
DVVNL (Retail)	36.59%	33.00%	30.00%
KESCO	NA	24.00%	23.00%

#### b. Transmission Losses:

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

#### c. Allocation of Additional Energy:

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

### 5.1.7 Input Energy Requirement

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

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

### 5.1.8 Sales Forecasts for 2012-13 & 2013-14

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 2012-13: 80021 MU
- Year 2013-14: 87172 MU

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The figures are tabulated below:

Table 5-5: Energy Balance

Energy Balance	FY 2011-12 (Base Year)	FY 2012-13	FY 2013-14
<b>Purchases Required &amp; Billed Energy (MU)</b>			
<b>Purchases Required &amp; Billed Energy (MU)</b>	<b>73,919</b>	<b>80,021</b>	<b>87,172</b>
Meerut	23,550	25,497	27,481
Agra	14,599	16,165	17,480
Lucknow	13,232	14,768	16,283
Varanasi	16,576	17,452	19,291
Kesco	3,275	3,267	3,601
TPL	2,330	2,517	2,680
NPCL	356	356	356
<b>Inter &amp; Intra State Transmission Losses(%)</b>			
Total Inter & Intra State Transmission Losses(%)	5.26%	5.26%	5.26%
Periphery Loss (Upto inter connection Point)	1.65%	1.65%	1.65%
Energy Available for Transmission(MU)	72,699	78,700	85,733
Transmission losses%	3.67%	3.67%	3.67%
<b>Input Energy Requirement At DisCom Level</b>	<b>70,031</b>	<b>75,812</b>	<b>82,586</b>
Meerut	22,311	24,155	26,035
Agra	13,831	15,315	16,561
Lucknow	12,536	13,992	15,426
Varanasi	15,704	16,534	18,276
Kesco	3,103	3,095	3,412
TPL	2,208	2,384	2,539
NPCL	337	337	337
<b>Consumer Sales (MU)</b>	<b>51,628</b>	<b>57,698</b>	<b>64,468</b>
Meerut	16,031	17,875	20,047
Agra	9,127	10,642	11,999
Lucknow	9,232	10,634	11,878
Varanasi	11,590	12,731	14,255
Kesco - Bulk (by UPPCL)	3,103	3,095	3,412
TPL - Bulk (by DVVNL)	2,208	2,384	2,539
NPCL - Bulk (by PVVNL)	337	337	337
<b>T&amp;D Losses (%of net generation)</b>	<b>30.16%</b>	<b>27.90%</b>	<b>26.05%</b>
Meerut	31.93%	29.89%	27.05%
Agra	37.48%	34.16%	31.36%
Lucknow	30.23%	28.00%	27.05%
Varanasi	30.08%	27.05%	26.10%
Kesco	5.26%	5.26%	5.26%



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Energy Balance	FY 2011-12 (Base Year)	FY 2012-13	FY 2013-14
TPL	5.26%	5.26%	5.26%
NPCL	5.26%	5.26%	5.26%
<b>Distribution Losses (% of Energy Received)</b>	<b>26.28%</b>	<b>23.89%</b>	<b>21.94%</b>
Meerut	28.15%	26.00%	23.00%
Agra	34.01%	30.51%	27.55%
Lucknow	26.36%	24.00%	23.00%
Varanasi	26.20%	23.00%	22.00%
Kesco	0.00%	0.00%	0.00%
TPL	0.00%	0.00%	0.00%
NPCL	0.00%	0.00%	0.00%

## 5.2 Sales Forecast

The year 2012-13 is expected to see a substantial jump in the total availability of energy at the source power plant bus-bars at around 80021 MU when compared to around 73919 MU in 2011-12 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 2013-14 is around 87172 MUs. The projected sales will be impacted by normal load growth and increased hours of supply.

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

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

Table 5-6: LMV Consumers Growth Rate

CATEGORY	No of Consumer - CAGR				
	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
(A) Consumer getting supply as per "Rural Schedule"					
(i) Un-metered	10%	7%	0%	0%	10%
(ii) Metered	-4%	-10%	0%	0%	8%
(B) Supply at Single Point for Bulk Load	-68%	99%	0%	0%	1%
(C1) Other Metered Domestic Consumers	7%	8%	0%	0%	12%
(C2) Life Line Consumers/BPL	248%	308%	0%	0%	10%
DOMESTIC LIGHT FAN & POWER (LMV-1)	9%	8%	7%	5%	
(A) Consumer getting supply as per "Rural					

CATEGORY	No of Consumer - CAGR				Assumed
	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	
<b>Schedule"</b>					
(i) Un-metered	-35%	-19%	0%	0%	0%
(ii) Metered	-11%	-6%	0%	0%	10%
<b>(B) Private Advertising/Sign Post/Sign Board/Glow Sign/Flex</b>					
(C) Other Metered Non-Domestic Supply	5%	6%	0%	0%	6%
<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>					
(A) Un-metered Supply	4%	5%	5%	4%	
<b>(B) Metered Supply</b>					
(i) Gram Panchyat	20%	4%	0%	0%	12%
(ii) Nagar Palika & Nagar Panchyat	-3%	-1%	0%	0%	0%
(iii) Nagar Nigam	-24%	-28%	0%	0%	5%
<b>(B) Metered Supply</b>					
(i) Gram Panchyat	520%	23%	0%	0%	12%
(ii) Nagar Palika & Nagar Panchyat	10%	1%	0%	0%	10%
(iii) Nagar Nigam	18%	24%	0%	0%	12%
<b>PUBLIC LAMPS (LMV-3)</b>					
(A) Public Institution(4 A)	10%	3%	1%	-7%	
(B) Private Institution(4 B)	33%	27%	0%	0%	12%
<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>					
(A) Rural Schedule	23%	21%	11%	14%	
<b>(B) Metered Supply</b>					
(i) Un metered Supply	5%	3%	0%	0%	6%
(ii) Metered Supply	14%	64%	0%	0%	13%
<b>(B) Metered Supply</b>					
(i) Metered Supply	4%	-1%	0%	0%	4%
<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>					
(A) Small & Medium Power (Power Loom)	5%	3%	4%	3%	
<b>(B) Metered Supply</b>					
(i) Rural Schedule	-4%	-2%	0%	0%	1%
(ii) Urban Schedule	-21%	-16%	0%	0%	1%
<b>(B) Small &amp; Medium Power</b>					
(i) Rural Schedule	18%	13%	0%	0%	13%
(ii) Urban Schedule	9%	12%	0%	0%	9%
<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>					
(A) Rural Schedule	6%	7%	6%	4%	
<b>(B) Metered Supply</b>					
(i) Jal Nigam	13%	7%	0%	0%	12%
(ii) Jal Sansthan	19%	-4%	0%	0%	12%
(iii) Others (Water Works)	8%	17%	0%	0%	10%
<b>(B) Urban Schedule</b>					

CATEGORY	No of Consumer - CAGR				
	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	Assumed
(i) Jal Nigam	18%	11%	0%	0%	13%
(ii) Jal Sansthan	-15%	-2%	0%	0%	1%
(iii) Others (Water Works)	13%	17%	0%	0%	13%
<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>12%</b>	<b>14%</b>	<b>11%</b>	<b>11%</b>	
(A) Metered Supply	-27%	-20%	0%	0%	5%
(B) Un-metered Supply					
(i) STW, Panchayat Raj, WB, I, Duch, P.Canals, LI upto 100 BHP	4%	1%	0%	0%	4%
(ii) Laghu Dal Nahar above 100 BHP	23%	2%	0%	0%	13%
<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>2%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	
(A) Metered Supply					
(i) Individual Residential Consumers	278%	0%	0%	0%	13%
(ii) Others	-100%	-100%	0%	0%	0%
(B) Un-metered Supply					
(i) Ceremonies	13%	0%	0%	0%	13%
(ii) Temporary Shops	-100%	-100%	0%	0%	0%
<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>9%</b>	<b>16%</b>	<b>0%</b>	<b>0%</b>	
(A) Serving					
(i) Class IV Employees	9%	3%	0%	0%	9%
(ii) Class III Employees	0%	1%	0%	0%	4%
(iii) Junior Engineers & Equivalent	-1%	2%	0%	0%	4%
(iv) Assistant Engineers & Equivalent	-2%	4%	0%	0%	4%
(v) Executive Engineers & Equivalent	-43%	-23%	0%	0%	4%
(vi) Deputy General Manager & Equivalent	0%	7%	0%	0%	4%
(vii) GGM/GM & Equivalent posts and above	-53%	6%	0%	0%	4%
(B) Total Pensioner & Family Pensioner	8%	5%	0%	0%	8%
<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>4%</b>	<b>3%</b>	<b>0%</b>	<b>0%</b>	<b>4%</b>

## b) HV Consumers – Sub-category-wise

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



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Table 5-7: HV Consumers Growth Rate

CATEGORY	No of Consumer – CAGR				Assumed
	Last 3 Year	Last 5 Years	Last 7 Years	Last 10 Years	
<b>(A) Urban Schedule</b>					
(i) For supply at 11kV	1%				1%
(ii) For supply above 11kV and upto & Including 66kV	-66%				-66%
(iii) For supply above 66kV and upto & Including 132kV	-100%				-100%
(iv) For supply above 132kV	-100%				-100%
<b>(B) Rural Schedule</b>					
(i) For supply at 11kV	-40%				-40%
(ii) For supply above 11kV and upto & Including 66kV	65%				65%
<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>					
(A) Urban Schedule	-10%	0%	0%	0%	-10%
(i) For supply at 11kV	14%				14%
(ii) For supply above 11kV and upto & Including 66kV	11%				11%
(iii) For supply above 66kV and upto & Including 132kV	-70%				-70%
(iv) For supply above 132kV	-72%				-72%
<b>(B) Rural Schedule</b>					
(i) For supply at 11kV	-61%				-61%
(ii) For supply above 11kV and upto & Including 66kV	10%				10%
<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>					
(A) For supply at the above 132kV	13%	8%	10%	10%	13%
(B) For supply below 132kV	41%				41%
<b>(C) For Metro Traction</b>					
	0%				0%
<b>RAILWAY TRACTION (HV-3)</b>					
(A) For supply at 11kV	73%	0%	0%	0%	73%
(B) For supply above 11kV and upto 66kV	0%				0%
(C) For supply above 66kV and upto 132kV	0%				0%
<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>					
(A) EXTRA STATE & OTHERS	0%	0%	0%	0%	0%
<b>EXTRA STATE CONSUMERS</b>					
(A) NPCL	0%	0%	0%	0%	0%

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CATEGORY	Per Consumer Load (In KW)		
	Previous -2	Previous -1	Previous Year Assumed
(ii) Urban Schedule	10.00	14.39	12.92
(B) Small & Medium Power			14.39
(i) Rural Schedule	8.55	7.83	8.00
(ii) Urban Schedule	13.06	13.35	12.74
SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	11.70	12.26	11.92
(A) Rural Schedule			12.26
(i) Jal Nigam	22.96	22.38	26.83
(ii) Jal Sansthan	17.91	20.24	20.17
(iii) Others (Water Works)	23.25	30.87	29.15
(B) Urban Schedule			30.87
(i) Jal Nigam	57.36	58.23	49.87
(ii) Jal Sansthan	24.21	22.56	27.95
(iii) Others (Water Works)	31.51	30.35	32.14
PUBLIC WATER WORKS(LMV-7)	30.26	30.20	31.69
(A) Metered Supply	13.97	12.96	14.40
(B) Un-metered Supply			14.40
(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	12.83	13.18	13.46
(ii) Laghu Dal Nahar above 100 BHP	11.70	11.64	7.88
STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	12.89	13.15	13.41
(A) Metered Supply			13.41
(i) Individual Residential Consumers	6.62	26.59	29.60
(ii) Others	7.57	-	7.57
(B) Un-metered Supply			7.57
(i) Ceremonies	19.91	7.16	10.09
(ii) Temporary Shops	5.95	-	5.95
TEMPORARY SUPPLY (LMV-9)	7.61	24.81	29.36
(A) Serving			29.36
(i) Class IV Employees	3.29	3.53	3.43
(ii) Class III Employees	3.25	3.23	3.49
(iii) Junior Engineers & Equivalent	3.61	3.75	4.14
(iv) Assistant Engineers & Equivalent	4.24	4.28	4.29
(v) Executive Engineers & Equivalent	4.21	4.82	4.82
(vi) Deputy General Manager & Equivalent	4.69	4.84	4.74
(vii) CGM/GM & Equivalent posts and above	4.78	4.00	4.00
(B) Total Pensioner & Family Pensioner	2.88	3.13	3.14
DEPARTMENTAL EMPLOYEES (LMV-10)	3.15	3.30	3.36



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CATEGORY	Per Capita Consumption /Consumer				Per Capita Consumption/ Load (KW)				Un-Metered	Assum
	Previous -2	Previous -1	Previous Year	Max between last 3 years	Previous -2	Previous -1	Previous Year	Max between last 3 years		
(iii) Nagar Nigam	536186	454709	898400	898400	3558	2180	3340	3558	4320	4
<b>(B) Metered Supply</b>										
(i) Gram Panchyat	144000	-	13625	144000	4557	-	437	4557		4
(ii) Nagar Palika & Nagar Panchyat	366248	292065	305011	366248	4319	3889	4264	4319		4
(iii) Nagar Nigam	205494	264581	281283	281283	3606	4135	3311	4135		4
<b>PUBLIC LAMPS (LMV-3)</b>	<b>192243</b>	<b>177888</b>	<b>201630</b>							
<b>(A) Public Institution(4 A)</b>	<b>22810</b>	<b>16735</b>	<b>16521</b>	<b>22810</b>	<b>2768</b>	<b>2709</b>	<b>3060</b>	<b>3060</b>		3
<b>(B) Private Institution(4 B)</b>	<b>14169</b>	<b>14224</b>	<b>16766</b>	<b>16766</b>	<b>1787</b>	<b>1697</b>	<b>2012</b>	<b>2012</b>		2
<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>	<b>20460</b>	<b>16323</b>	<b>16559</b>		<b>2508</b>	<b>2496</b>	<b>2825</b>			
<b>(A) Rural Schedule</b>										
(i) Un metered Supply	5685	5941	5941	1097	1049	1085	1097	1099.92	1100	5
(ii) Metered Supply	11620	5308	11620	1287	2417	720	2417		720	11
<b>(B) Urban Schedule</b>										
(i) Metered Supply	8027	9170	9170	1317	1626	1232	1626		1626	8
<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>5712</b>	<b>5965</b>		<b>1099</b>	<b>1056</b>	<b>1085</b>				5
<b>(A) Small &amp; Medium Power (Power Loom)</b>										
(i) Rural Schedule	12624	14842	14842	1075	1410	1363	1410		1410	12
(ii) Urban Schedule	21764	22575	22575	1231	1513	1747	1747		1747	21
<b>(B) Small &amp; Medium Power</b>										
(i) Rural Schedule	8799	10620	11627	1360	1124	1327	1360		1360	8
(ii) Urban Schedule	19911	19049	20642	1580	1491	1495	1580		1580	19
<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>17767</b>	<b>17772</b>		<b>1505</b>	<b>1449</b>	<b>1491</b>				17

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

Table 5-9: Energy Sales Assumption

CATEGORY	Per Capita Consumption /Consumer				Per Capita Consumption/ Load (KW)				Un-Metered	Assumed
	Previous -2	Previous -1	Previous Year	Max between last 3 years	Previous -2	Previous -1	Previous Year	Max between last 3 years		
<b>(A)</b> Consumer getting supply as per "Rural Schedule"										
(i) Un-metered	1576	1463	1495	1576	848	809	829	848	864	864
(ii) Metered	1335	1327	1720	1720	725	735	984	984		1720
<b>(B)</b> Supply at Single Point for Bulk Load	8055	534752	72729	534752	1281	1244	1451	1451		72729
<b>(C1)</b> Other Metered Domestic Consumers	2065	2135	2178	2178	905	879	901	905		2178
<b>(C2)</b> Life Line Consumers/BPL	1156	892	1135	1156	800	916	1166	1166		1156
<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>1868</b>	<b>1815</b>	<b>1889</b>	-	-	-	-	-		
<b>(A)</b> Consumer getting supply as per "Rural Schedule"										
(i) Un-metered	1776	2024	1501	2024	828	1043	758	1043	864	864
(ii) Metered	1933	4104	4361	4361	966	1316	1390	1390		1390
<b>(B)</b> Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	2037	374	1834	2037	677	163	785	785		785
<b>(C)</b> Other Metered Non-Domestic Supply	2633	2569	2923	2923	1065	1029	1150	1150		1150
<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>2502</b>	<b>2649</b>	<b>3009</b>	-	-	-	-	-		
<b>(A)</b> Un-metered Supply										
(i) Gram Panchyat	9744	7142	5424	9744	2006	2337	2554	2554	3600	3600
(ii) Nagar Palika & Nagar Panchyat	156242	144624	193201	193201	3645	3200	3849	3849	4320	4320

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CATEGORY	Per Capita Consumption /Consumer				Per Capita Consumption/ Load (KW)					Assumed
	Previous -2	Previous -1	Previous Year	Max between last 3 years	Previous -2	Previous -1	Previous Year	Max between last 3 years	Un-Metered	
<b>(A) Rural Schedule</b>										
(i) Jal Nigam	33808	61826	61826	1645	1511	2305	2305		2305	33808
(ii) Jal Sansthan	41667	28152	42486	2373	2059	1396	2373		2373	41667
(iii) Others (Water Works)	53764	52005	54999	2365	1741	1784	2365		2365	53764
<b>(B) Urban Schedule</b>										
(i) Jal Nigam	186104	159076	240478	4193	3196	3190	4193		4193	186104
(ii) Jal Sansthan	51636	102452	102452	2372	2289	3666	3666		3666	51636
(iii) Others (Water Works)	106144	101594	108219	3434	3497	3161	3497		3161	106144
<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>94386</b>	<b>94484</b>		<b>3241</b>	<b>3126</b>	<b>2982</b>				<b>94386</b>
<b>(A) Metered Supply</b>	<b>43890</b>	<b>76671</b>	<b>76671</b>	<b>3068</b>	<b>3387</b>	<b>5323</b>	<b>5323</b>		<b>5323</b>	<b>43890</b>
<b>(B) Un-metered Supply</b>										
(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	42616	43260	43260	3365	3234	3214	3365	42748.2	42748	42616
(ii) Laghu Dal Nahar above 100 BHP	31511	2279	43071	3682	2706	289	3682	42748.2	42748	31511
<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>42588</b>	<b>43804</b>		<b>3347</b>	<b>3239</b>	<b>3266</b>				<b>42588</b>
<b>(A) Metered Supply</b>										
(i) Individual Residential Consumers	17314	31763	31763	1847	651	1073	1847		1073	17314
(ii) Others	-	-	15064	1990	-	-	1990		1990	-
<b>(B) Un-metered Supply</b>										
(i) Ceremonies	7706	15682	15682	185	1076	1554	1554		1554	7706
(ii) Temporary Shops	-	-	13118	2205	-	-	2205		2205	-
<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>16436</b>	<b>31565</b>		<b>1928</b>	<b>662</b>	<b>1075</b>				<b>16436</b>
<b>(A) Serving</b>										

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CATEGORY	Per Capita Consumption /Consumer				Per Capita Consumption/ Load (KW)				Un-Metered	Assumed
	Previous -2	Previous -1	Previous Year	Max between last 3 years	Previous -2	Previous -1	Previous Year	Max between last 3 years		
(i) Class IV Employees	2658	3368	3492	1061	754	983	1061		3492	2658
(ii) Class III Employees	4588	4142	4588	1078	1422	1188	1422		4588	4588
(iii) Junior Engineers & Equivalent	5706	6732	6732	1462	1522	1627	1627		6732	5706
(iv) Assistant Engineers & Equivalent	8413	9751	9751	1816	1964	2276	2276		9751	8413
(v) Executive Engineers & Equivalent	14645	10512	14645	1190	3037	2180	3037		14645	14645
(vi) Deputy General Manager & Equivalent	12813	12355	12813	2457	2645	2605	2645		12813	12813
(vii) CGM/GM & Equivalent posts and above	38100	19500	38100	1608	9525	4875	9525		38100	38100
<b>(B) Total Pensioner &amp; Family Pensioner</b>	<b>4784</b>	<b>5637</b>	<b>5637</b>	<b>1864</b>	<b>1528</b>	<b>1793</b>	<b>1864</b>		<b>5637</b>	<b>4784</b>
<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>4434</b>	<b>4893</b>		<b>1417</b>	<b>1344</b>	<b>1456</b>				<b>4434</b>
<b>(A) Urban Schedule</b>										
(i) For supply at 11kV	725218	639792	850496	2185	1936	1758	2185		2185	725218
(ii) For supply above 11kV and upto & Including 66kV	891130	13341083	13341083	2594	1440	5374	5374		5374	891130
(iii) For supply above 66kV and upto & Including 132kV	1644500	-	4362846	4039	1471	-	4039		4039	1644500
(iv) For supply above 132kV	-	-	1928000	2794	-	-	2794		2794	-
<b>(B) Rural Schedule</b>										
(i) For supply at 11kV	153630	93403500	93403500	2096	705	415127	415127		415127	153630
(ii) For supply above 11kV and upto & Including 66kV	3435692	8828692	8828692	2353	831	2134	2353		2353	3435692
<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>475718</b>	<b>1692870</b>		<b>2429</b>	<b>1260</b>	<b>3137</b>				<b>475718</b>
<b>(A) Urban Schedule</b>										
(i) For supply at 11kV	603107	563378	603107	2190	2132	1873	2190		2132	603107

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CATEGORY	Per Capita Consumption /Consumer				Per Capita Consumption/ Load (KW)					
	Previous -2	Previous -1	Previous Year	Max between last 3 years	Previous -2	Previous -1	Previous Year	Max between last 3 years	Un-Metered	Assumed
(ii) For supply above 11kV and upto & Including 66kV	8415546	6115814	8415546	3340	3619	3207	3619		3340	8415546
(iii) For supply above 66kV and upto & Including 132kV	43226500	38435000	43226500	5633	5137	4567	5633		5633	43226500
(iv) For supply above 132kV	99538000	164971000	164971000	2777	3675	6091	6091		6091	99538000
<b>(B) Rural Schedule</b>										
(i) For supply at 11kV	15935857	6815000	15935857	1959	94295	55861	94295		94295	15935857
(ii) For supply above 11kV and upto & Including 66kV	-	3253000	5302800	3568	-	310	3568		3568	-
<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>1142307</b>	<b>982772</b>		<b>2632</b>	<b>2766</b>	<b>2343</b>				<b>1142307</b>
(A) For supply at the above 132kV	11564500	12353000	12353000	1409	2570	3209	3209		3209	11564500
(B) For supply below 132kV	-	-	-	-	-	-	-		-	-
(C) For Metro Traction	-	17191000	17191000	-	-	1910	1910		1910	-
<b>RAILWAY TRACTION (HV-3)</b>	<b>11564500</b>	<b>15168000</b>		<b>1409</b>	<b>2570</b>	<b>2725</b>				<b>11564500</b>
(A) For supply at 11kV	58000	99000	99000	341	373	637	637		637	58000
(B) For supply above 11kV and upto 66kV	-	-	-	-	-	-	-		-	-
(C) For supply above 66kV and upto 132kV	-	-	-	-	-	-	-		-	-
<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>	<b>58000</b>	<b>99000</b>		<b>341</b>	<b>373</b>	<b>637</b>				<b>58000</b>
(A) EXTRA STATE & OTHERS	-	-	-	-	-	-	-		-	-
<b>EXTRA STATE CONSUMERS</b>	<b>-</b>	<b>-</b>		<b>-</b>	<b>-</b>	<b>-</b>				<b>-</b>
(A) NPCL	316373000	337348000	352488000	7833	7031	7497	7833		7497	316373000
(B) KESCO										

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## d) Consumer Sub-category wise Projections

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

Table 5-10: Sub- category wise projections of Number of consumer

SUPPLY TYPE	CATEGORY	No of Consumer				
		2011-12 (Base Year)	2012-13	2013-14		
LMV--1	(A) Consumer getting supply as per "Rural Schedule"	(i) Un-metered	1054591	1154870	1264684	
		(ii) Metered	171885	185636	200487	
	(B) Supply at Single Point for Bulk Load	1982	2002	2022		
	(C1) Other Metered Domestic Consumers	1440560	1613427	1807038		
	(C2) Life Line Consumers/BPL	149091	164000	180400		
	<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>2818109</b>	<b>3119935</b>	<b>3454631</b>	
	LMV--2	(A) Consumer getting supply as per "Rural Schedule"	(i) Un-metered	3896	3896	3896
			(ii) Metered	36397	40037	44040
			(B) Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	16922	18953	21227
	(C) Other Metered Non-Domestic Supply	274009	290348	307662		
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>331224</b>	<b>353234</b>	<b>376825</b>		
LMV--3	(A) Un-metered Supply	(i) Gram Panchyat	243	272	305	
		(ii) Nagar Palika & Nagar Panchyat	144	144	144	
		(iii) Nagar Nigam	35	37	39	
	(B) Metered Supply	(i) Gram Panchyat	16	18	20	
		(ii) Nagar Palika & Nagar Panchyat	92	101	111	
		(iii) Nagar Nigam	226	253	283	
	<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>	<b>756</b>	<b>825</b>	<b>902</b>	
	LMV--4	(A) Public Institution(4 A)	10863	12167	13627	
		(B) Private Institution(4 B)	2029	2130	2237	
	<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>	<b>12892</b>	<b>14297</b>	<b>15864</b>	
LMV--5	(A) Rural Schedule	(i) Un metered Supply	347123	367950	390027	
		(ii) Metered Supply	1265	1429	1615	
		(B) Urban Schedule	(i) Metered Supply	2882	3008	3139

SUPPLY TYPE	CATEGORY	No of Consumer		
		2011-12 (Base Year)	2012-13	2013-14
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>351270</b>	<b>372388</b>	<b>394782</b>
LMV--6	(A) Small & Medium Power (Power Loom)			
	(i) Rural Schedule	2161	2183	2204
	(ii) Urban Schedule	3530	3565	3601
	(B) Small & Medium Power			
	(i) Rural Schedule	7804	8819	9965
	(ii) Urban Schedule	35394	38748	42420
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>48889</b>	<b>53314</b>	<b>58190</b>
LMV--7	(A) Rural Schedule			
	(i) Jal Nigam	190	213	238
	(ii) Jal Sansthan	79	88	99
	(iii) Others (Water Works)	211	232	255
	(B) Urban Schedule			
	(i) Jal Nigam	105	119	134
	(ii) Jal Sansthan	93	94	95
	(iii) Others (Water Works)	1812	2048	2314
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>2490</b>	<b>2794</b>	<b>3135</b>
LMV--8	(A) Metered Supply	161	169	178
	(B) Un-metered Supply			
	(i) STW, Panchayat Raj, WB, I,Duch, P.Canals, LI upto 100 BHP	4534	4712	4897
	(ii) Laghu Dal Nahar above 100 BHP	68	77	87
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>4763</b>	<b>4958</b>	<b>5162</b>
LMV--9	(A) Metered Supply			
	(i) Individual Residential Consumers	1764	1993	2252
	(ii) Others	-	-	-
	(B) Un-metered Supply			
	(i) Ceremonies	22	25	28
	(ii) Temporary Shops	-	-	-
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>1786</b>	<b>2018</b>	<b>2280</b>
LMV--10	(A) Serving			
	(i) Class IV Employees	4030	4391	4785
	(ii) Class III Employees	6424	6681	6948
	(iii) Junior Engineers & Equivalent	615	640	665
	(iv) Assistant Engineers & Equivalent	281	292	304
	(v) Executive Engineers & Equivalent	164	171	177
	(vi) Deputy General Manager &	31	32	34

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SUPPLY TYPE	CATEGORY	No of Consumer		
		2011-12 (Base Year)	2012-13	2013-14
	Equivalent			
	(vii) CGM/GM & Equivalent posts and above	10	10	11
	(B) Total Pensioner & Family Pensioner	9661	10416	11229
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>21216</b>	<b>22633</b>	<b>24154</b>
<b>HV--1</b>	(A) Urban Schedule			
	(i) For supply at 11kV	395	411	427
	(ii) For supply above 11kV and upto & Including 66kV	12	12	13
	(iii) For supply above 66kV and upto & Including 132kV	-	-	-
	(iv) For supply above 132kV	-	-	-
	(B) Rural Schedule			
	(i) For supply at 11kV	2	2	2
	(ii) For supply above 11kV and upto & Including 66kV	13	14	14
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>422</b>	<b>439</b>	<b>456</b>
<b>HV--2</b>	(A) Urban Schedule			
	(i) For supply at 11kV	4759	5187	5654
	(ii) For supply above 11kV and upto & Including 66kV	338	368	402
	(iii) For supply above 66kV and upto & Including 132kV	2	2	2
	(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
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>5105</b>	<b>5564</b>	<b>6065</b>
<b>HV--3</b>	(A) For supply at the above 132kV	2	2	2
	(B) For supply below 132kV	-	-	-
	(C) For Metro Traction	1	-	-
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>	<b>3</b>	<b>2</b>	<b>2</b>
<b>HV--4</b>	(A) For supply at 11kV	2	2	2
	(B) For supply above 11kV and upto 66kV	-	-	-
	(C) For supply above 66kV and upto 132kV	-	-	-
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>EXTRA STATE</b>	(A) EXTRA STATE & OTHERS	-	-	-

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SUPPLY TYPE	CATEGORY	No of Consumer		
		2011-12 (Base Year)	2012-13	2013-14
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>	-	-	-
<b>BULK</b>	(A) NPCL	1	1	1
	(B) KESCO	-	-	-
<b>SUB TOTAL</b>	<b>BULK SUPPLY</b>	1	1	1
	<b>GRAND TOTAL</b>	3598928	3952404	4342452

## e) Connected Load Sub-category wise Projections

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

Table 5-11: Sub category wise projections of connected load

SUPPLY TYPE	CATEGORY	Connected Load (In KW)		
		2011-12 (Base Year)	2012-13	2013-14
<b>LMV--1</b>	(A) Consumer getting supply as per "Rural Schedule"			
	(i) Un-metered	1902094	2145856	2349901
	(ii) Metered	300470	341581	368907
	(B) Supply at Single Point for Bulk Load	99314	100307	101310
	(C1) Other Metered Domestic Consumers	3481686	3919207	4389511
	(C2) Life Line Consumers/BPL	145139	237072	260779
<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>5928703</b>	<b>6744022</b>	<b>7470408</b>
<b>LMV--2</b>	(A) Consumer getting supply as per "Rural Schedule"			
	(i) Un-metered	7713	8357	8357
	(ii) Metered	114166	125583	138141
	(B) Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	39551	57058	63905
	(C) Other Metered Non-Domestic Supply	696491	738023	782031
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>857921</b>	<b>929020</b>	<b>992434</b>
<b>LMV--3</b>	(A) Un-metered Supply			
	(i) Gram Panchyat	516	1322	1480
	(ii) Nagar Palika & Nagar Panchyat	7229	7229	7229
	(iii) Nagar Nigam	9414	9885	10379
	(B) Metered Supply			
	(i) Gram Panchyat	499	566	634
	(ii) Nagar Palika & Nagar Panchyat	6581	8581	9439
	(iii) Nagar Nigam	19198	21502	24082

SUPPLY TYPE	CATEGORY	Connected Load (In KW)		
		2011-12 (Base Year)	2012-13	2013-14
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>	<b>43437</b>	<b>49085</b>	<b>53244</b>
LMV--4	(A) Public Institution(4 A)	58653	65691	73574
	(B) Private Institution(4 B)	16912	17856	18749
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/Private INSTITUTION (LMV-4)</b>	<b>75565</b>	<b>83547</b>	<b>92323</b>
LMV--5	(A) Rural Schedule			
	(i) Un metered Supply	1900870	2014922	2135818
	(ii) Metered Supply	9329	10542	11912
	(B) Urban Schedule			
	(i) Metered Supply	21448	22385	23362
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>1931647</b>	<b>2047849</b>	<b>2171092</b>
LMV--6	(A) Small & Medium Power (Power Loom)			
	(i) Rural Schedule	23534	23769	24007
	(ii) Urban Schedule	45609	51289	51802
	(B) Small & Medium Power			
	(i) Rural Schedule	62451	75403	85206
	(ii) Urban Schedule	451027	493768	540559
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>582621</b>	<b>644230</b>	<b>701574</b>
LMV--7	(A) Rural Schedule			
	(i) Jal Nigam	5097	5709	6394
	(ii) Jal Sansthan	1593	1791	2006
	(iii) Others (Water Works)	6151	7166	7883
	(B) Urban Schedule			
	(i) Jal Nigam	5236	6909	7807
	(ii) Jal Sansthan	2599	2625	2651
	(iii) Others (Water Works)	58229	65799	74353
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>78905</b>	<b>89998</b>	<b>101093</b>
LMV--8	(A) Metered Supply	2319	2435	2557
	(B) Un-metered Supply			
	(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	61030	63429	65923
	(ii) Laghu Dal Nahar above 100 BHP	536	899	1016
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>63885</b>	<b>66763</b>	<b>69495</b>
LMV--9	(A) Metered Supply			
	(i) Individual Residential Consumers	52206	58993	66662
	(ii) Others	-	-	-
	(B) Un-metered Supply			
	(i) Ceremonies	222	494	556

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SUPPLY TYPE	CATEGORY	Connected Load (in KW)		
		2011-12 (Base Year)	2012-13	2013-14
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>52428</b>	<b>59486</b>	<b>67218</b>
<b>LMV--10</b>	<b>(A) Serving</b>			
	(i) Class IV Employees	13815	15481	16869
	(ii) Class III Employees	22391	23287	24218
	(iii) Junior Engineers & Equivalent	2545	2647	2753
	(iv) Assistant Engineers & Equivalent	1204	1252	1302
	(v) Executive Engineers & Equivalent	791	823	856
	(vi) Deputy General Manager & Equivalent	147	156	162
	(vii) GGM/GM & Equivalent posts and above	40	50	52
<b>(B)</b>	Total Pensioner & Family Pensioner	30367	32739	35297
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>71300</b>	<b>76434</b>	<b>81509</b>
<b>HV--1</b>	<b>(A) Urban Schedule</b>			
	(i) For supply at 11kV	143716	149465	155443
	(ii) For supply above 11kV and upto & Including 66kV	29788	30980	32219
	(iii) For supply above 66kV and upto & Including 132kV	-	-	-
	(iv) For supply above 132kV	-	-	-
<b>(B)</b>	Rural Schedule			
	(i) For supply at 11kV	450	468	487
	(ii) For supply above 11kV and upto & Including 66kV	53778	55929	58166
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>227732</b>	<b>236841</b>	<b>246315</b>
<b>HV--2</b>	<b>(A) Urban Schedule</b>			
	(i) For supply at 11kV	1431195	1560003	1700403
	(ii) For supply above 11kV and upto & Including 66kV	644638	702655	765894
	(iii) For supply above 66kV and upto & Including 132kV	16830	18008	19269
	(iv) For supply above 132kV	27084	28438	29860
<b>(B)</b>	Rural Schedule			
	(i) For supply at 11kV	366	384	404
	(ii) For supply above 11kV and upto & Including 66kV	21000	23100	25410
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>2141113</b>	<b>2332589</b>	<b>2541239</b>
<b>HV--3</b>	<b>(A) For supply at the above 132kV</b>	<b>7700</b>	<b>8470</b>	<b>9317</b>
	<b>(B) For supply below 132kV</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>(C) For Metro Traction</b>	<b>9000</b>	<b>9000</b>	<b>9000</b>

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SUPPLY TYPE	CATEGORY	Connected Load (In KW)		
		2011-12 (Base Year)	2012-13	2013-14
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>	<b>16700</b>	<b>17470</b>	<b>18317</b>
HV--4	(A) For supply at 11KV	311	311	311
	(B) For supply above 11KV and upto 66KV	-	-	-
	(C) For supply above 66KV and upto 132KV	-	-	-
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75KW) (HV-4)</b>	<b>311</b>	<b>311</b>	<b>311</b>
EXTRA STATE	(A) EXTRA STATE & OTHERS	-	-	-
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>	<b>-</b>	<b>-</b>	<b>-</b>
BULK	(A) NPCL	45000	45000	45000
	(B) KESCO	-	-	-
<b>SUB TOTAL</b>	<b>BULK SUPPLY</b>	<b>45000</b>	<b>45000</b>	<b>45000</b>
	<b>GRAND TOTAL</b>	<b>12117268</b>	<b>13422645</b>	<b>14651572</b>



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विक्टोरिया पार्क, मैदान

## f) Sales Sub-category wise Projections

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

Table 5-12: Sub category wise projections of energy sales

SUPPLY TYPE	CATEGORY	Projected Sales (Mus)			Projected (Impact of Supply Hours on Sales)			Projected (Impact of DMS on Sales)		
		2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14
LMV--1	(A) Consumer getting supply as per "Rural Schedule"									
	(i) Un-metered	1577	1854	2030	1577	1854	2030	1577	1854	2030
	(ii) Metered	296	319	345	296	285	346	296	285	346
	(B) Supply at Single Point for Bulk Load	144	146	147	144	136	147	144	136	147
	(C1) Other Metered Domestic Consumers	3137	3514	3935	3137	3250	3942	3137	3250	3942
	(C2) Life Line Consumers/BPL	169	190	209	169	171	209	169	171	209
<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>5323</b>	<b>6022</b>	<b>6666</b>	<b>5323</b>	<b>5696</b>	<b>6675</b>	<b>5323</b>	<b>5696</b>	<b>6675</b>
LMV--2	(A) Consumer getting supply as per "Rural Schedule"									
	(i) Un-metered	6	7	7	6	7	7	6	7	7
	(ii) Metered	159	175	192	159	159	193	159	159	193
	(B) Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	31	45	50	31	42	50	31	42	50
	(C) Other Metered Non-Domestic Supply	801	849	899	801	781	901	801	781	901
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>997</b>	<b>1075</b>	<b>1149</b>	<b>997</b>	<b>989</b>	<b>1151</b>	<b>997</b>	<b>989</b>	<b>1151</b>
LMV--3	(A) Un-metered Supply									

SUPPLY TYPE	CATEGORY	Projected Sales (Mus)			Projected (Impact of Supply Hours on Sales)			Projected (Impact of DMS on Sales)		
		2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14
	(i) Gram Panchyat	1	5	5	1	5	5	1	5	
	(ii) Nagar Palika & Nagar Panchyat	28	31	31	28	31	31	28	31	
	(iii) Nagar Nigam	31	43	45	31	43	45	31	43	
	(B) Metered Supply									
	(i) Gram Panchyat	0	3	3	0	2	3	0	2	
	(ii) Nagar Palika & Nagar Panchyat	28	37	41	28	33	41	28	33	
	(iii) Nagar Nigam	64	89	100	64	83	100	64	83	100
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>	<b>152</b>	<b>207</b>	<b>225</b>	<b>152</b>	<b>197</b>	<b>225</b>	<b>152</b>	<b>197</b>	<b>225</b>
LMV--4	(A) Public Institution(4 A)	179	201	225	179	183	226	179	183	226
	(B) Private Institution(4 B)	34	36	38	34	33	38	34	33	38
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUBLIC/PRIVATE INSTITUTION (LMV-4)</b>	<b>213</b>	<b>237</b>	<b>263</b>	<b>213</b>	<b>216</b>	<b>264</b>	<b>213</b>	<b>216</b>	<b>264</b>
LMV--5	(A) Rural Schedule									
	(i) Un metered Supply	2062	2216	2349	2062	2216	2349	2062	2216	2349
	(ii) Metered Supply	7	8	9	7	8	9	7	8	9
	(B) Urban Schedule									
	(i) Metered Supply	26	36	38	26	36	38	26	36	38
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>2095</b>	<b>2260</b>	<b>2396</b>	<b>2095</b>	<b>2260</b>	<b>2396</b>	<b>2095</b>	<b>2260</b>	<b>2396</b>
LMV--6	(A) Small & Medium Power (Power Loom)									
	(i) Rural Schedule	32	34	34	32	30	34	32	30	34
	(ii) Urban Schedule	80	90	91	80	81	91	80	81	91

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SUPPLY TYPE	CATEGORY	Projected Sales (Mus)			Projected (Impact of Supply Hours on Sales )			Projected (Impact of DMS on Sales )		
		2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14
(B)	Small & Medium Power									
	(i) Rural Schedule	83	103	116	83	92	116	83	92	116
	(ii) Urban Schedule	674	780	854	674	721	856	674	721	856
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>869</b>	<b>1006</b>	<b>1094</b>	<b>869</b>	<b>923</b>	<b>1097</b>	<b>869</b>	<b>923</b>	<b>1097</b>
LMV--7	(A) Rural Schedule									
	(i) Jal Nigam	12	13	15	12	13	15	12	13	15
	(ii) Jal Sansthan	2	4	5	2	4	5	2	4	5
	(iii) Others (Water Works)	11	17	19	11	17	19	11	17	19
	(B) Urban Schedule									
	(i) Jal Nigam	17	29	33	17	29	33	17	29	33
	(ii) Jal Sansthan	10	10	10	10	10	10	10	10	10
	(iii) Others (Water Works)	184	208	235	184	208	235	184	208	235
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>235</b>	<b>281</b>	<b>316</b>	<b>235</b>	<b>281</b>	<b>316</b>	<b>235</b>	<b>281</b>	<b>316</b>
LMV--8	(A) Metered Supply	12	13	14	12	13	14	12	13	14
	(B) Un-metered Supply									
	(i) STW, Panchayat Raj, WB, I.Duch, P.Canals, LI upto 100 BHP	196	201	209	196	201	209	196	201	209
	(ii) Laghu Dal Nahar above 100 BHP	0	3	4	0	3	4	0	3	4
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>209</b>	<b>218</b>	<b>227</b>	<b>209</b>	<b>218</b>	<b>227</b>	<b>209</b>	<b>218</b>	<b>227</b>
LMV--9	(A) Metered Supply									
	(i) Individual Residential Consumers	56	63	72	56	59	72	56	59	72

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 विक्टोरिया पार्क, मेरठ

SUPPLY TYPE	CATEGORY	Projected Sales (Mus)			Projected (Impact of Supply Hours on Sales)			Projected (Impact of DMS on Sales)		
		2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14
	(ii) Others	-	-	-	-	-	-	-	-	-
(B)	Un-metered Supply									
	(i) Ceremonies	0	1	1	0	1	1	0	1	1
	(ii) Temporary Shops	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>56</b>	<b>64</b>	<b>72</b>	<b>56</b>	<b>59</b>	<b>73</b>	<b>56</b>	<b>59</b>	<b>73</b>
<b>LMV--10</b>	(A) Serving									
	(i) Class IV Employees	14	15	17	14	14	17	14	14	17
	(ii) Class III Employees	27	31	32	27	28	32	27	28	32
	(iii) Junior Engineers & Equivalent	4	4	4	4	4	4	4	4	4
	(iv) Assistant Engineers & Equivalent	3	3	3	3	3	3	3	3	3
	(v) Executive Engineers & Equivalent	2	2	3	2	2	3	2	2	3
	(vi) Deputy General Manager & Equivalent	0	0	0	0	0	0	0	0	0
	(vii) CGM/GM & Equivalent posts and above	0	0	0	0	0	0	0	0	0
	(B) Total Pensioner & Family Pensioner	54	59	63	54	53	63	54	53	63
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>104</b>	<b>115</b>	<b>123</b>	<b>104</b>	<b>105</b>	<b>123</b>	<b>104</b>	<b>105</b>	<b>123</b>
<b>HV--1</b>	(A) Urban Schedule									
	(i) For supply at 11kV	253	327	340	253	327	340	253	327	340
	(ii) For supply above 11kV and upto & Including	160	166	173	160	166	173	160	166	173

SUPPLY TYPE	CATEGORY	Projected Sales (Mus)			Projected (Impact of Supply Hours on Sales)			Projected (Impact of DMS on Sales)		
		2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14
	66kV									
	(iii) For supply above 66kV and upto & Including 132kV	-	-	-	-	-	-	-	-	-
	(iv) For supply above 132kV	-	-	-	-	-	-	-	-	-
	(B) Rural Schedule									
	(i) For supply at 11kV	187	194	202	187	194	202	187	194	202
	(ii) For supply above 11kV and upto & Including 66kV	115	132	137	115	132	137	115	132	137
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>714</b>	<b>819</b>	<b>852</b>	<b>714</b>	<b>819</b>	<b>852</b>	<b>714</b>	<b>819</b>	<b>852</b>
<b>HV--2</b>	(A) Urban Schedule									
	(i) For supply at 11kV	2681	3326	3625	2681	3326	3625	2681	3326	3625
	(ii) For supply above 11kV and upto & Including 66kV	2067	2347	2558	2067	2347	2558	2067	2347	2558
	(iii) For supply above 66kV and upto & Including 132kV	77	101	109	77	101	109	77	101	109
	(iv) For supply above 132kV	165	173	182	165	173	182	165	173	182
	(B) Rural Schedule									
	(i) For supply at 11kV	20	36	38	20	36	38	20	36	38
	(ii) For supply above 11kV and upto & Including 66kV	7	82	91	7	82	91	7	82	91
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>5017</b>	<b>6066</b>	<b>6602</b>	<b>5017</b>	<b>6066</b>	<b>6602</b>	<b>5017</b>	<b>6066</b>	<b>6602</b>

संशोधन विभाग द्वारा प्रस्तुत किया गया आंकड़ा (अनुमानित) केवल सूचना के लिए है।

SUPPLY TYPE	CATEGORY	Projected Sales (Mus)			Projected (Impact of Supply Hours on Sales )			Projected (Impact of DMS on Sales )		
		2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14	2011-12 (Base Year)	2012-13	2013-14
HV-3	(A) For supply at the above 132kV	25	27	30	25	27	30	25	27	30
	(B) For supply below 132kV	4	-	-	4	-	-	4	-	-
	(C) For Metro Traction	17	17	17	17	17	17	17	17	17
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>	<b>46</b>	<b>44</b>	<b>47</b>	<b>46</b>	<b>44</b>	<b>47</b>	<b>46</b>	<b>44</b>	<b>47</b>
HV-4	(A) For supply at 11kV	0	0	0	0	0	0	0	0	0
	(B) For supply above 11kV and upto 66kV	-	-	-	-	-	-	-	-	-
	(C) For supply above 66kV and upto 132kV	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P. CANAL ABOVE 100 BHP (75kW) (HV-4)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
EXTRA STATE	(A) EXTRA STATE & OTHERS	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
BULK	(A) NP CL	337	337	337	337	337	337	337	337	337
	(B) KESCO	-	-	-	-	-	-	-	-	-
<b>SUB TOTAL</b>	<b>BULK SUPPLY</b>	<b>337</b>	<b>337</b>	<b>337</b>	<b>337</b>	<b>337</b>	<b>337</b>	<b>337</b>	<b>337</b>	<b>337</b>
<b>GRAND TOTAL</b>		<b>16368</b>	<b>18753</b>	<b>20369</b>	<b>16368</b>	<b>18212</b>	<b>20384</b>	<b>16368</b>	<b>18212</b>	<b>20384</b>

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## 5.3 ACTUAL BILLING DETERMINANTS FOR FY 2011-12

The detailed category-wise data for previous year 2011-12 is placed in the table below:

Table 5-13: Actual Billing Determinant for FY 2011-12

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2011-12	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	1054591	1902094	1,576.8
		(ii) Metered	171885	300470	295.7
	(B)	Supply at Single Point for Bulk Load	1982	99314	144.1
	(C1)	Other Metered Domestic Consumers	1440560	3481686	3,137.2
	(C2)	Life Line Consumers/BPL	149091	145139	169.2
<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>		<b>2818109</b>	<b>5928703</b>	<b>5,323.0</b>
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	3896	7713	5.8
		(ii) Metered	36397	114166	158.7
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	16922	39551	31.0
	(C)	Other Metered Non-Domestic Supply	274009	696491	801.0
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>		<b>331224</b>	<b>857921</b>	<b>996.6</b>
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	243	516	1.3
		(ii) Nagar Palika & Nagar Panchyat	144	7229	27.8
	(iii)	Nagar Nigam	35	9414	31.4
	(B)	Metered Supply			
	(i)	Gram Panchyat	16	499	0.2
	(ii)	Nagar Palika & Nagar Panchyat	92	6581	28.1
	(iii)	Nagar Nigam	226	19198	63.6
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>		<b>756</b>	<b>43437</b>	<b>152.4</b>
LMV--4	(A)	Public Institution(4 A)	10863	58653	179.5
	(B)	Private Institution(4 B)	2029	16912	34.0
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>		<b>12892</b>	<b>75565</b>	<b>213.5</b>
LMV--5	(A)	Rural Schedule			
		(i) Un metered Supply	347123	1900870	2,062.2
	(ii)	Metered Supply	1265	9329	6.7

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2011-12	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(B)	Urban Schedule			
	(i)	Metered Supply	2882	21448	26.4
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>		<b>351270</b>	<b>1931647</b>	<b>2,095.3</b>
<b>LMV--6</b>	(A)	Small & Medium Power (Power loom)			
	(i)	Rural Schedule	2161	23534	32.1
	(ii)	Urban Schedule	3530	45609	79.7
	(B)	Small & Medium Power			
	(i)	Rural Schedule	7804	62451	82.9
	(iii)	Urban Schedule	35394	451027	674.2
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>48889</b>	<b>582621</b>	<b>868.9</b>
<b>LMV--7</b>	(A)	Rural Schedule			
	(i)	Jal Nigam	190	5097	11.7
	(ii)	Jal Sansthan	79	1593	2.2
	(iii)	Others (Water Works)	211	6151	11.0
	(B)	Urban Schedule			
	(i)	Jal Nigam	105	5236	16.7
	(ii)	Jal Sansthan	93	2599	9.5
	(iii)	Others (Water Works)	1812	58229	184.1
<b>SUB TOTAL</b>	<b>PUBLIC WATER WORKS(LMV-7)</b>		<b>2490</b>	<b>78905</b>	<b>235.3</b>
<b>LMV--8</b>	(A)	Metered Supply	161	2319	12.3
	(B)	Un-metered Supply			
	(i)	STW,Panchayat Raj WB I,Duch P.C, L I upto 100 BHP	4534	61030	196.1
	(ii)	Laghu Dal Nahar above 100 BHP	68	536	0.2
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>		<b>4763</b>	<b>63885</b>	<b>208.6</b>
<b>LMV--9</b>	(A)	Metered Supply			
	(i)	Individual Residential Consumers	1764	52206	56.0
	(ii)	Others	0	0	-
	(B)	Un-metered Supply			
	(i)	Ceremonies	22	222	0.3
	(ii)	Temporary Shops	0	0	-
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>		<b>1786</b>	<b>52428</b>	<b>56.4</b>
<b>LMV--10</b>	(A)	Serving			
	(i)	Class IV Employees	4030	13815	13.6
	(ii)	Class III Employees	6424	22391	26.6
	(iii)	Junior Engineers &	615	2545	4.1

  
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 पश्चिमोत्तरांश, मेरठ  
 दिल्ली

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2011-12	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		Equivalent			
		Assistant Engineers & Equivalent	281	1204	2.7
		Executive Engineers & Equivalent	164	791	1.7
		Deputy General Manager & Equivalent	31	147	0.4
		CGM/GM & Equivalent posts and above	10	40	0.2
		Total Pensioner & Family Pensioner	9661	30367	54.5
<b>SUB TOTAL</b>	<b>(B)</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>21216</b>	<b>71300</b>	<b>103.8</b>
<b>HV--1</b>	<b>(A)</b>	<b>Urban Schedule</b>			
		(i) For supply at 11kV	395	143716	252.7
		(ii) For supply at 33 kV & above	12	29788	160.1
	<b>(B)</b>	<b>Rural Schedule</b>			
		(i) For supply at 11kV	2	450	186.8
		(ii) For supply at 33 kV & above	13	53778	114.8
<b>SUB TOTAL</b>	<b>(A)</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>422</b>	<b>227732</b>	<b>714.4</b>
<b>HV--2</b>	<b>(A)</b>	<b>Urban Schedule</b>			
		(i) For supply at 11kV	4759	1431195	2,681.1
		(ii) For supply above 11kV and upto & Including 66kV	338	644638	2,067.1
		(iii) For supply above 66kV and upto & Including 132kV	2	16830	76.9
		(iv) For supply above 132kV	1	27084	165.0
	<b>(B)</b>	<b>Rural Schedule</b>			
		(i) For supply at 11kV	3	366	20.4
		(ii) For supply above 11kV and upto & Including 66kV	2	21000	6.5
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kw) (HV-2)</b>	<b>5105</b>	<b>2141113</b>	<b>5,017.1</b>
<b>HV--3</b>	<b>(A)</b>	For supply at and above 132kV	2	7700	24.7
	<b>(B)</b>	For supply below 132kV	0	0	3.6
	<b>(C)</b>	For Delhi Metro Rail	1	9000	17.2
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>3</b>	<b>16700</b>	<b>45.5</b>
<b>HV--4</b>	<b>(A)</b>	For supply at 11kV	2	311	0.2
	<b>(B)</b>	For supply above 11kV and upto 66kV	0	0	-
	<b>(C)</b>	For supply above 66kV and upto 132kV	0	0	-
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>2</b>	<b>311</b>	<b>0.2</b>

  
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 वित्त/प्रशासन विभाग, दिल्ली  
 वित्त/प्रशासन विभाग, दिल्ली

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2011-12	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
EXTRA STATE	(A)	EXTRA STATE & OTHERS	0	0	-
SUB TOTAL	EXTRA STATE CONSUMERS		0	0	-
BULK	(A)	NPCL	1.	45000	337.3
	(B)	KESCO	0.	0	-
SUB TOTAL	BULK SUPPLY		1.	45000	337.3
GRAND TOTAL			3598928	12117268	16,368.3

## 5.4 BILLING DETERMINANTS FOR FY 2012-13

The estimated category-wise billing determinants for the FY 2012-13 is placed in the table below:

Table 5-14: Estimated Billing Determinant for FY 2012-13

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2012-13	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--1	(A)	(i) Un-metered	1154870	2145856.2	1,854.0
		(ii) Metered	185636	341580.6	285.4
	(B)	Supply at Single Point for Bulk Load	2002	100307.1	135.6
	(C1)	Other Metered Domestic Consumers	1613427	3919206.6	3,250.2
	(C2)	Life Line Consumers/BPL	164000	237071.7	170.8
	SUB TOTAL	DOMESTIC LIGHT FAN & POWER (LMV-1)		3119935	6744022.4
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"			
		(i) Un-metered	3896	8356.9	7.2
	(ii) Metered	40037	125582.6	159.0	
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	18952	57057.7	42.2
	(C)	Other Metered Non-Domestic Supply	290348	738022.8	780.8
SUB TOTAL	NON DOMESTIC LIGHT FAN & POWER (LMV-2)		353233	929020.1	989.2
LMV--3	(A)	Un-metered Supply			
		(i) Gram Panchyat	272	1321.7	4.8
		(ii) Nagar Palika & Nagar Panchyat	144	7229.0	31.2

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SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2012-13	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(iii) Nagar Nigam	37	9884.7	42.7
	(B)	Metered Supply			
	(i)	Gram Panchyat	18	566.3	2.3
	(ii)	Nagar Palika & Nagar Panchyat	101	8581.2	33.3
	(iii)	Nagar Nigam	253	21501.8	83.2
<b>SUB TOTAL</b>		<b>PUBLIC LAMPS (LMV-3)</b>	<b>825</b>	<b>49084.6</b>	<b>197.5</b>
<b>LMV--4</b>	(A)	Public Institution(4 A)	12167	65691.4	183.4
	(B)	Private Institution(4 B)	2130	17856.0	32.9
<b>SUB TOTAL</b>		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>14297</b>	<b>83547.3</b>	<b>216.3</b>
<b>LMV--5</b>	(A)	Rural Schedule			
	(i)	Un metered Supply	367950	2014922.2	2,216.3
	(ii)	Metered Supply	1430	10541.8	7.6
	(B)	Urban Schedule			
	(i)	Metered Supply	3008	22384.8	36.4
<b>SUB TOTAL</b>		<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>	<b>372388</b>	<b>2047848.7</b>	<b>2,260.2</b>
<b>LMV--6</b>	(A)	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	2183	23769.3	29.9
	(ii)	Urban Schedule	3565	51288.9	80.7
	(B)	Small & Medium Power			
	(i)	Rural Schedule	8819	75403.5	91.7
	(ii)	Urban Schedule	38748	493767.8	720.6
<b>SUB TOTAL</b>		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>53315</b>	<b>644229.5</b>	<b>923.0</b>
<b>LMV--7</b>	(A)	Rural Schedule			
	(i)	Jal Nigam	213	5708.6	13.2
	(ii)	Jal Sansthan	89	1790.7	4.2
	(iii)	Others (Water Works)	232	7165.9	16.9
	(B)	Urban Schedule			
	(i)	Jal Nigam	119	6908.9	29.0
	(ii)	Jal Sansthan	94	2625.0	9.6
	(iii)	Others (Water Works)	2048	65798.8	208.0
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>2794</b>	<b>89997.9</b>	<b>281.0</b>
<b>LMV--8</b>	(A)	Metered Supply	169	2435.0	13.0
	(B)	Un-metered Supply			
	(i)	STW, Panchayat Raj WB I.Duch P.C, L I upto 100 BHP	4712	63429.1	201.4
	(ii)	Laghhu Dal Nahar above 100 BHP	77	898.8	3.3

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दिल्ली

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2012-13	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
<b>SUB TOTAL</b>	<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>		<b>4958</b>	<b>66762.9</b>	<b>217.7</b>
<b>LMV--9</b>	<b>(A)</b>	Metered Supply			
		(i) Individual Residential Consumers	1993	58992.8	58.7
	(ii) Others	0	0.0	-	
	<b>(B)</b>	Un-metered Supply			
(i) Ceremonies		25	493.6	0.7	
	(ii) Temporary Shops	0	0.0	-	
<b>SUB TOTAL</b>	<b>TEMPORARY SUPPLY (LMV-9)</b>		<b>2018</b>	<b>59486.3</b>	<b>59.3</b>
<b>LMV--10</b>	<b>(A)</b>	Serving			
		(i) Class IV Employees	4392	15480.9	14.0
		(ii) Class III Employees	6681	23286.6	28.2
		(iii) Junior Engineers & Equivalent	640	2646.8	3.9
		(iv) Assistant Engineers & Equivalent	292	1252.2	2.6
		(v) Executive Engineers & Equivalent	171	822.6	2.3
		(vi) Deputy General Manager & Equivalent	32	156.2	0.4
	(vii) CGM/GM & Equivalent posts and above	10	49.7	0.4	
	<b>(B)</b>	Total Pensioner & Family Pensioner	10416	32739.3	53.3
<b>SUB TOTAL</b>	<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>		<b>22633</b>	<b>76434.2</b>	<b>105.1</b>
<b>HV--1</b>	<b>(A)</b>	Urban Schedule			
		(i) For supply at 11kV	411	149464.6	326.6
		(ii) For supply at 33 kV & above	13	30979.5	166.5
	<b>(B)</b>	Rural Schedule			
		(i) For supply at 11kV	2	468.0	194.3
		(ii) For supply at 33 kV & above	14	55929.1	131.6
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>		<b>439</b>	<b>236841.3</b>	<b>819.0</b>
<b>HV--2</b>	<b>(A)</b>	Urban Schedule			
		(i) For supply at 11kV	5187	1560002.6	3,325.9
		(ii) For supply above 11kV and upto & Including 66kV	368	702655.4	2,346.8
	(iii) For supply above 66kV and upto & Including 132kV	2	18008.1	101.4	

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SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2012-13	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(iv) For supply above 132kV	1	28438.2	173.2
	(B)	Rural Schedule			
		(i) For supply at 11kV	3	384.3	36.2
		For supply above 11kV and upto & including 66kV	2	23100.0	82.4
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>	<b>5564</b>	<b>2332588.6</b>	<b>6,066.0</b>
<b>HV--3</b>	(A)	For supply at and above 132kV	2	8470.0	27.2
	(B)	For supply below 132kV	0	0.0	-
	(C)	For Delhi Metro Rail	0	9000.0	17.2
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>2</b>	<b>17470.0</b>	<b>44.4</b>
<b>HV--4</b>	(A)	For supply at 11kV	2	311.0	0.2
	(B)	For supply above 11kV and upto 66kV	0	0.0	-
	(C)	For supply above 66kV and upto 132kV	0	0.0	-
<b>SUB TOTAL</b>		<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>2</b>	<b>311.0</b>	<b>0.2</b>
<b>EXTRA STATE</b>	(A)	EXTRA STATE & OTHERS	0	0.0	-
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>0</b>	<b>0.0</b>	<b>-</b>
<b>BULK</b>	(A)	NPCL	1	45000.0	337.3
	(B)	KESCO	0	0.0	-
<b>SUB TOTAL</b>		<b>BULK SUPPLY</b>	<b>1</b>	<b>45000.0</b>	<b>337.3</b>
		<b>GRAND TOTAL</b>	<b>3952404</b>	<b>134222644.9</b>	<b>18,212.4</b>

### 5.5 PROJECTED BILLING DETERMINANTS FOR FY 2013-14

The projected category-wise billing determinants for the FY 2013-14 is placed in the table below:

Table 5-15: Projected Billing Determinant for FY 2013-14

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
<b>LMV--1</b>	(A)	<b>Consumer getting supply as per "Rural Schedule"</b>			
		(i) Un-metered	1264684	2349900.8	2,030.3
		(ii) Metered	200487	368907.1	346.4
	(B)	Supply at Single Point for Bulk Load	2022	101310.2	147.2
	(C1)	Other Metered Domestic Consumers	1807038	4389511.4	3,941.9
	(C2)	Life Line Consumers/BPL	180400	260778.9	209.4

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
<b>SUB TOTAL</b>	<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>		<b>3454631</b>	<b>7470408.4</b>	<b>6,675.2</b>
<b>LMV--2</b>	<b>(A)</b>	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	3896	8356.9	7.2
	(ii)	Metered	44040	138140.9	192.6
	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	21227	63904.7	50.2
	(C)	Other Metered Non-Domestic Supply	307662	782031.2	901.2
<b>SUB TOTAL</b>	<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>		<b>376825</b>	<b>992433.7</b>	<b>1,151.2</b>
<b>LMV--3</b>	<b>(A)</b>	Un-metered Supply			
	(i)	Gram Panchyat	305	1480.3	5.3
	(ii)	Nagar Palika & Nagar Panchyat	144	7229.0	31.2
	(iii)	Nagar Nilgam	39	10378.9	44.8
	(B)	Metered Supply			
	(i)	Gram Panchyat	20	634.2	2.9
	(ii)	Nagar Palika & Nagar Panchyat	111	9439.3	40.9
	(iii)	Nagar Nilgam	284	24082.0	99.7
<b>SUB TOTAL</b>	<b>PUBLIC LAMPS (LMV-3)</b>		<b>902</b>	<b>53243.8</b>	<b>224.9</b>
<b>LMV--4</b>	<b>(A)</b>	Public Institution(4 A)	13627	73574.3	225.7
	(B)	Private Institution(4 B)	2237	18748.8	37.8
<b>SUB TOTAL</b>	<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST. (LMV-4)</b>		<b>15863</b>	<b>92323.1</b>	<b>263.6</b>
<b>LMV--5</b>	<b>(A)</b>	Rural Schedule			
	(i)	Un metered Supply	390027	2135817.5	2,349.2
	(ii)	Metered Supply	1615	11912.2	8.6
	(B)	Urban Schedule			
	(i)	Metered Supply	3139	23362.4	38.0
<b>SUB TOTAL</b>	<b>PRIVATE TUBE WELL/PUMPING SETS (LMV-5)</b>		<b>394782</b>	<b>2171092.2</b>	<b>2,395.8</b>
<b>LMV--6</b>	<b>(A)</b>	Small & Medium Power (Power Loom)			
	(i)	Rural Schedule	2204.4	24007.0	34.0
	(ii)	Urban Schedule	3601.0	51801.8	90.8
	(B)	Small & Medium Power			
	(i)	Rural Schedule	9964.9	85206.0	116.4
	(ii)	Urban Schedule	42419.9	540558.9	855.7
<b>SUB TOTAL</b>	<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>		<b>58190</b>	<b>701573.6</b>	<b>1,097.0</b>

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 विकीरिया पार्क, मेरठ



SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2013-14	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV--7	(A)	Rural Schedule			
		(i) Jal Nigam	238	6393.7	14.7
		(ii) Jal Sansthan	99	2005.5	4.8
	(B)	(iii) Others (Water Works)	255	7882.5	18.6
		Urban Schedule			
		(i) Jal Nigam	134	7807.0	32.7
		(ii) Jal Sansthan	95	2651.2	9.7
		(iii) Others (Water Works)	2314	74352.6	235.1
<b>SUB TOTAL</b>		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>3135</b>	<b>101092.6</b>	<b>315.7</b>
LMV--8	(A)	Metered Supply	178	2556.7	13.6
	(B)	Un-metered Supply	0	0.0	-
		STW,Panchayat Raj WB			
		I.Duch P.C, L I upto 100	4898	65922.6	209.4
		BHP			
		(i) Laghu Dal Nahar above			
		100 BHP	87	1015.6	3.7
		(ii)			
<b>SUB TOTAL</b>		<b>STATE TUBE WELLS &amp; PUMPS CANAL UPTO 100 HP(LMV-8)</b>	<b>5162</b>	<b>69494.9</b>	<b>226.7</b>
LMV--9	(A)	Metered Supply			
		Individual Residential	2253	66661.8	71.7
		(i) Consumers			
		(ii) Others	0	0.0	-
	(B)	Un-metered Supply			
		(i) Ceremonies	28	556.0	0.9
		(ii) Temporary Shops	0	0.0	-
<b>SUB TOTAL</b>		<b>TEMPORARY SUPPLY (LMV-9)</b>	<b>2280</b>	<b>67217.9</b>	<b>72.5</b>
LMV--10	(A)	Serving	0	0.0	-
		(i) Class IV Employees	4785	16869.5	16.8
		(ii) Class III Employees	6948	24218.1	31.9
		(iii) Junior Engineers & Equivalent	665	2752.7	4.5
		(iv) Assistant Engineers & Equivalent	304	1302.2	3.0
		(v) Executive Engineers & Equivalent	177	855.5	2.6
		(vi) Deputy General Manager & Equivalent	34	162.4	0.4
		(vii) CGM/GM & Equivalent posts and above	11	51.7	0.4
	(B)	Total Pensioner & Family Pensioner	11229	35296.8	63.5
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (LMV-10)</b>	<b>24154</b>	<b>81509.0</b>	<b>123.1</b>
HV--1	(A)	Urban Schedule			

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2013-14		CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
		(i)	(ii)			
		(i)	For supply at 11kV	427	155443.2	339.7
		(ii)	For supply at 33 kV & above	13	32218.7	173.2
	(B)		Rural Schedule			
		(i)	For supply at 11kV	2	486.7	202.1
		(ii)	For supply at 33 kV & above	14	58166.3	136.9
<b>SUB TOTAL</b>	<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>			<b>456</b>	<b>246314.9</b>	<b>851.8</b>
	(A)		Urban Schedule			
		(i)	For supply at 11kV	5654	1700402.8	3,625.2
		(ii)	For supply above 11kV and upto & Including 66kV	402	765894.4	2,558.1
		(iii)	For supply above 66kV and upto & Including 132kV	2	19268.7	108.5
		(iv)	For supply above 132kV	1	29860.1	181.9
	(B)		Rural Schedule			
		(i)	For supply at 11kV	3	403.5	38.0
		(ii)	For supply above 11kV and upto & Including 66kV	2	25410.0	90.7
<b>SUB TOTAL</b>	<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 kW) (HV-2)</b>			<b>6065</b>	<b>2541239.5</b>	<b>6,602.4</b>
	(A)		For supply at and above 132kV	2	9317.0	29.9
	(B)		For supply below 132kV	0	0.0	-
	(C)		For Delhi Metro Rail	0	9000.0	17.2
<b>SUB TOTAL</b>	<b>RAILWAY TRACTION (HV-3)</b>			<b>2</b>	<b>18317.0</b>	<b>47.1</b>
	(A)		For supply at 11kV	2	311.0	0.2
	(B)		For supply above 11kV and upto 66kV	0	0.0	-
	(C)		For supply above 66kV and upto 132kV	0	0.0	-
<b>SUB TOTAL</b>	<b>LIFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>			<b>2</b>	<b>311.0</b>	<b>0.2</b>
<b>EXTRA STATE</b>	(A)		EXTRA STATE & OTHERS	0	0.0	-
<b>SUB TOTAL</b>	<b>EXTRA STATE CONSUMERS</b>			<b>0</b>	<b>0.0</b>	<b>-</b>
	(A)		NPCL	1	45000.0	337.3
	(B)		KESCO	0	0.0	-
<b>SUB TOTAL</b>	<b>BULK SUPPLY</b>			<b>1</b>	<b>45000.0</b>	<b>337.3</b>
<b>GRAND TOTAL</b>				<b>4342452</b>	<b>14651571.6</b>	<b>20,384.4</b>

  
 राजेश कुमार (ऑफिसर)  
 उपसंचालक (विद्युत) विभाग, दिल्ली  
 राजीव गांधी नगर, नई दिल्ली

**5.6 SALES FORECAST AND ENERGY BALANCE**

The actual T&D losses in FY 2011-12 were 27.73%. The Petitioner estimates its T&D losses at 25.64% for FY 2012-13. In the ensuing year FY 2013-14, the Petitioner has projected a T&D loss of 22.71%. The distribution loss estimates are in line with the Financial Restructuring Plan (FRP) projections. (A detailed note on the FRP has been discussed later)

Based on the aforementioned sales forecast and loss levels, the energy balance is presented in the table below:

**Table 5-16: Energy Balance for FY 2011-12, 2012-13 and 2013-14**

Energy Balance	Unit	FY 2011-12	FY 2012-13	FY 2013-14
Power Purchase	MU	22,648.64	24,492.81	26,372.49
Line Losses	MU	6,280.37	6,280.42	5,988.08
Sales (incl Bulk sales to NPCL)	MU	16,368.27	18,212.39	20,384.41
T&D Losses	%	27.73%	25.64%	22.71%

**5.7 ESTIMATED REVENUE ASSESSMENT FOR FY 2012-13**

The table below presents the projected revenue assessment in FY 2012-13 based on UPERC Tariff Order for FY 2009-10 dated March 31, 2010 for the period up to September 30, 2012 and for the period October to March 2013 on the UPERC Tariff Order for FY 2012-13 dated October 19, 2012

**Table 5-17: Revenue Assessment for FY 2012-13**

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	<b>1829.01</b>	<b>5696.11</b>	<b>3.21</b>
(a) Consumer getting supply as per "Rural Schedule"	207.92	2139.47	0.97
(b) Supply at Single Point for Bulk Loads	52.54	135.61	3.87
(c) Other Metered Domestic Consumers	1529.40	3250.19	4.71
(d) Life Line Consumers	39.15	170.84	2.29
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>620.49</b>	<b>989.20</b>	<b>6.27</b>
(a) Non-Domestic(Rural)	38.67	166.19	2.33
(b) Private Advertisement/Sign Board/Glow Sign/Flex	29.64	42.21	7.02
(c) Non-Domestic (Urban Metered)	552.18	780.80	7.07
<b>LMV-3: Public Lamps</b>	<b>98.91</b>	<b>197.48</b>	<b>5.01</b>
<b>LMV-4: Institutions</b>	<b>134.33</b>	<b>216.28</b>	<b>6.21</b>

मुख्य अभियन्ता (वाणिज्य)  
 मुंबई विद्युत वितरण निगम लि०  
 पश्चिमीयत विद्युत वितरण निगम लि०  
 सिव्हीरिया पार्क, मेट्रो

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
LMV-5: Private Tube Wells	246.97	2260.24	1.09
LMV 6: Small and Medium Power	618.05	923.04	6.70
(a): Small and Medium Power for Power Loom	56.38	110.66	5.09
(b): Small and Medium Power	561.67	812.37	6.91
LMV-7: Public Water Works	161.66	280.97	5.75
LMV-8: State Tubewells and Pumped Canals	120.89	217.69	5.55
LMV-9: Temporary Supply	33.26	59.35	5.60
LMV-10: Departmental Employees and Pensioners	15.25	105.09	1.45
HV-1: Non-Industrial Bulk Load	478.30	819.03	5.84
HV-2: Large and Heavy Power	4158.54	6066.01	6.86
HV-3: Railway Traction	26.19	44.37	5.90
HV-4: Lift Irrigation Works	0.10	0.20	4.81
Sub Total	8541.94	17875.04	4.78
Bulk & Extra State	118.11	337.35	3.50
<b>Total PVNL</b>	<b>8660.05</b>	<b>18212.39</b>	<b>4.76</b>

### 5.8 PROJECTED REVENUE ASSESSMENT FOR FY 2013-14

The table below presents the projected revenue assessment for FY 2013-14 on current tariff based on UPERC Tariff Order for FY 2012-13 dated October 19, 2012

Table 5-18: Revenue Assessment for FY 2013-14

Consumer Category	Assessment Revenue Rs. Cr	Electricity Sales MU	Through Rate Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	<b>2166.68</b>	<b>6675.23</b>	<b>3.25</b>
(a) Consumer getting supply as per "Rural Schedule"	230.98	2376.67	0.97
(b) Supply at Single Point for Bulk Loads	61.28	147.21	4.16
(c) Other Metered Domestic Consumers	1826.52	3941.94	4.63
(d) Life Line Consumers	47.90	209.41	2.29
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>791.29</b>	<b>1151.25</b>	<b>6.87</b>
(a) Non-Domestic(Rural)	45.82	199.85	2.29
(b) Private Advertisement/Sign Board/Glow Sign/Flex	39.26	50.15	7.83
(c) Non-Domestic (Urban Metered)	706.21	901.25	7.84
<b>LMV-3: Public Lamps</b>	<b>124.86</b>	<b>224.88</b>	<b>5.55</b>
<b>LMV-4: Institutions</b>	<b>187.56</b>	<b>263.55</b>	<b>7.12</b>
<b>LMV-5: Private Tube Wells</b>	<b>261.76</b>	<b>2395.79</b>	<b>1.09</b>
<b>LMV 6: Small and Medium Power</b>	<b>769.59</b>	<b>1096.95</b>	<b>7.02</b>

मुख्य अधिकारी (वार्डिंग)  
विद्युत वितरण विभाग सि०  
राज्य विद्युत बोर्ड, बंगलूरु

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
(a): Small and Medium Power for Power Loom	68.63	124.85	5.50
(b): Small and Medium Power	700.96	972.10	7.21
LMV-7: Public Water Works	216.29	315.65	6.85
LMV-8: State Tubewells and Pumped Canals	137.65	226.68	6.07
LMV-9: Temporary Supply	45.60	72.52	6.29
LMV-10: Departmental Employees and Pensioners	16.71	123.11	1.36
HV-1: Non-Industrial Bulk Load	582.86	851.79	6.84
HV-2: Large and Heavy Power	5137.84	6602.37	7.78
HV-3: Railway Traction	32.02	47.09	6.80
HV-4: Lift Irrigation Works	0.10	0.20	5.13
Sub Total	10470.82	20047.06	5.22
Bulk & Extra State	121.78	337.35	3.61
<b>Total PUVNL</b>	<b>10592.60</b>	<b>20384.41</b>	<b>5.20</b>



मुख्य अधिकारी (वित्त) (आपका)

वित्त विभाग, दिल्ली

वित्त विभाग, दिल्ली

वित्त विभाग, दिल्ली

## 6. ARR FOR WHEELING & RETAIL SUPPLY BUSINESS

The Hon'ble Commission has issued Distribution Tariff Regulations, which require that the Petitioner 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 2008-09 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:

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

The Petitioner in the current petition is filing the ARR for FY 2013-14 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. In FY 2009-10, the Petitioner has endeavored to limit most of the expenses within the budget approved by Hon'ble Commission in its last Tariff Order dated October 14, 2010 with some

exceptions which were totally beyond the control of the Petitioner. A similar philosophy was adopted by the Petitioner while projecting the ARR for FY 2010-11, 2011-12 and 2012-13.

In the ensuing year FY 2013-14, the Petitioner has taken up the challenge of controlling most of the operating expenses within the current year level with moderate hike only to offset the impact of inflation. 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 2013-14 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 2011-12 (enclosed with the Petition) and expenses available till date for the FY 2012-13.

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.

#### 6.1 ESCALATION INDEX / INFLATION RATE

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 6.84% in FY 2013-14**. This Escalation / Inflation index has been used in estimation of various components of ARR. Calculation of Escalation/ Inflation Index is given in following table:

Inflation Rate=0.6\*Inflation based on WPI + 0.4\*Inflation based on CPI



मुख्य अभियन्ता (वाणिज्य)

पश्चिमांचल विद्युत वितरण निगम लि०  
पिक्टोरिया पार्क, भैरठ

Table 6-1: Escalation Index for FY 2013-14

Month	Wholesale Price Index			Consumer Price Index			Consolidated Index		
	FY 2012	FY 2013	FY 2014	FY 2012	FY 2013	FY 2014	FY 2011-12	FY 2012-13	FY 2013-14
	A	B	C	D	E	F	$G = A*0.60 + D*0.40$	$H = B*0.60 + E*0.40$	$I = C*0.60 + F*0.40$
April	152	164		186	205		166	180	-
May	152	164		187	206		166	181	-
June	153	165		189	208		167	182	-
July	154	166		193	212		170	184	-
August	155	167		194	214		171	186	-
September	156	168		197	215		173	187	-
October	157	169		198			173		-
November	157			199			174		-
December	157			197			173		-
January	159			198			174		-
February	159			199			175		-
March	161			201			177		-
Average	156	166		195	210		172	183	-
Weighted Average of Inflation							$((183/172)-1)*100$		6.84%

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

## 6.2 POWER PURCHASE COSTS

The Distribution Tariff Regulation 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 2013-14 based on above guiding factors





provided in the regulations. Some key assumptions considered in forecasting power purchase units & costs are given below:

- Actual power purchase cost and units of FY 2011-12
- 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 ensuing year the petitioner has projected aggregate DisCom T & D losses of 26.77% (at generation end), which means significant 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 and corresponding purchased power details are shown in Table 6-2 for FY 2011-12 to 2013-14 and in Table 6-3 for FY 2013-14.

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

**Table 6-2: Power Purchase Summary for the years FY 2011-12 to 2013-14**

Name of Power Station/Organisation	2011-12		2012-13		2013-14
	Proposed	Actual	Proposed	Revised	
<b>Power Procurement(MU)</b>					
UPJVNL	912	1179	912	1100	912
UPRVUNL	24201	18255	24904	19500	24094
NPCL(NAPP & RAPP)	777	2097	1807	1900	1807
NTPC	26493	26554	29115	27500	29071
NHPC	3414	2624	3155	3155	3345
Nathpa Jhakri HPS	1244	1362	1365	1365	1365

Name of Power Station/Organisation	2011-12		2012-13		2013-14
	Proposed	Actual	Proposed	Revised	Proposed
Cogeneration and Biomass	1700	2753	2158	2158	2830
Vishnu Prayag	1774	1888	1774	1800	1752
Tehri St.-I	1241	1627	1241	1241	1241
Koteshwar	124	230	342	342	522
Tala Power	184	150	184	184	184
Karcham-WT	160		160	0	160
Others/PTC/Bilateral/Exchange	1151	7686	1819	3490	2587
UI		2056		5000	
Rosa Power Phase-I			4468	3746	4205
Rosa Power Phase-II	3584	3865	1450	2470	3902
Anpara'C'	6424	1195	6263	2712	6745
IGSTPP, Jhajhhar		78	701	250	350
Bajaj Hindustan (5*90MW)		319	1971	2108	2101
<b>Total Power Procurement ( MU)</b>	<b>73,781</b>	<b>73,919</b>	<b>83,788</b>	<b>80,021</b>	<b>87,173</b>
<b>Power Procurement Cost (Rs Crore)</b>					
UPJVNL	93	76	86	105	98
UPRVNL	7650	4769	8014	6435	8889
NPCIL(NAPP & RAPP)	212	688	487	553	565
NTPC	7196	9068	9737	9075	10171
NHPC	883	784	904	931	1072
Nattpa Jhakri HPS	352	367	343	334	350
Cogeneration and Biomass	623	1137	928	928	1308
VishnuPrayag	438	456	426	450	405
Tehri St.-I	647	725	616	589	596
Koteshwar	33	114	174	145	253
Tala Power	36	28	37	37	39
Karcham-WT	53		59		59
Others/PTC/Bilateral/Exchange	477	3371	819	1396	1304
UI		1133		2670	
Rosa Power Phase-I			2089	1873	2151
Rosa Power Phase-II	1212	2007	684	1297	2229
Anpara'C'	1927	248	2255	922	2349
IGSTPP, Jhajhhar		44	343	125	177
Bajaj Hindustan (5*90MW)		110	846	885	898
PGCIL Charges	657	1181	1127	1180	1325
Payment to UPRVNL against UPERC Order dt.10.10.08	10		10		

Name of Power Station/Organisation	2011-12		2012-13		2013-14
	Proposed	Actual	Proposed	Revised	Proposed
Reactive Energy Charges		0.02			
<b>Total Power Procurement cost (Rs Crs)</b>	<b>22601</b>	<b>26307</b>	<b>29982</b>	<b>29930</b>	<b>34240</b>
<b>Power Procurement Cost (Rs/kWh)</b>					
UPJVNL	1.02	0.65	0.95	0.95	1.08
UPRVUNL	3.16	2.61	3.22	3.30	3.69
NPCL(NAPP & RAPP)	2.73	3.28	2.70	2.91	3.12
NTPC	2.72	3.41	3.34	3.30	3.50
NHPC	2.59	2.99	2.86	2.95	3.20
Nathpa Jhakri HPS	2.83	4.13	2.51	2.45	2.56
Cogeneration and Biomass	3.66	2.41	4.30	4.30	4.62
VishnuPrayag	2.47	4.46	2.40	2.50	2.31
Tehri St.-I	5.22	4.95	4.96	4.75	4.80
Koteshwar	2.65	1.85	5.08	4.25	4.84
Tala Power	1.95	1.85	2.02	2.02	2.14
Karcham-WT	3.30		3.70	3.70	3.70
Others/PTC/Bilateral/Exchange	4.15	4.39	4.50	4.00	5.04
UI		5.51	0.00	5.34	
Rosa Power Phase-I	3.38	5.19	4.67	5.00	5.12
Rosa Power Phase-II				5.25	5.71
Anpara C	3.00	2.07	3.60	3.40	3.48
IGSTPP, Jhajihar		5.70	4.89	4.99	5.06
Bajaj Hindustan (5*90MW)		5.70	4.29	4.20	4.27
WR		3.45			
PGCL Charges	0.22	0.16	0.35	0.33	0.41
<b>Avg. Power Procurement Cost (Rs/kWh)</b>	<b>3.06</b>	<b>3.56</b>	<b>3.58</b>	<b>3.74</b>	<b>3.93</b>

Note 1: The PGCL charges has been levied on energy procured from NTPC, NPCL, NHPC, SIVNL, TEHRIL, TALA and OTHERS

Table 6-3: Details of Power Procurement Cost for FY-2013-14

Name of Power Plant	Energy Procurement (MU)	Total Cost (Rs Crore)			Average Cost (Rs/KWh)
		Fixed Cost	Other Fixed Cost	Variable Cost	
UPRVUNL					
Anpara A	4004	239.49	0.0000	650.60	2.22
Anpara B	6333	723.14	0.0000	917.04	2.59
Harduaganj	796	236.52	0.0000	285.02	6.55
Obra A	1038	195.65	0.0000	222.46	4.03

Name of Power Plant	Energy Procurement (MU)	Total Cost (Rs Crore)				Average Cost (Rs./Kwh)
		Fixed Cost	Other Fixed Cost	Variable Cost	Total cost	
Obra B	2794	411.12	0.0000	555.43	966.55	3.46
Panki	1050	147.74	0.0000	372.87	520.61	4.96
Paricha	805	122.65	0.0000	274.13	396.78	4.93
Paricha Ext.St-I	2526	388.03	0.0000	705.77	1093.80	4.33
Paricha Ext. St-II(2*250)	2405	536.61	0.0000	677.94	1214.55	5.05
Harduaganj Ext.(2*250)	2344	579.72	0.0000	647.31	1227.03	5.24
Anpara'D'		0.00	0.0000			
<b>Total</b>	<b>24094</b>	<b>3581</b>	<b>0.0000</b>	<b>5309</b>	<b>8889</b>	<b>3.69</b>
<b>UPJVNL</b>						
Khara	208.00	21.69	0.0000	0.00	21.69	1.04
Matatila	66.67	5.43	0.0000	0.00	5.43	0.81
Obra (Hydel)	175.00	17.27	0.0000	0.00	17.27	0.99
Rihand	416.50	42.20	0.0000	0.00	42.20	1.01
U.G.C.Power Stations.	25.00	6.61	0.0000	0.00	6.61	2.64
E.Y.C.Power Stations	11.00	0.00	0.0000	2.48	2.48	2.25
Sheetla	9.53	0.00	0.0000	2.68	2.68	2.81
<b>Total</b>	<b>912</b>	<b>93.20</b>	<b>0.0000</b>	<b>5.15</b>	<b>98.35</b>	<b>1.08</b>
<b>NHPC</b>						
Chamera	452	85.43	0.00	0.00	85.43	1.89
Chamera-II	456	135.86	0.00	0.00	135.86	2.98
Chamera-III	315	61.66	0.00	62.64	124.30	3.94
Dhauliganga	311	71.18	0.00	0.00	71.18	2.29
Salal I&II	215	17.65	0.00	10.19	27.84	1.29
Tanakpur	104	19.57	0.00	11.38	30.94	2.98
Uri	534	71.16	0.00	42.15	113.31	2.12
Dulhasti	581	322.39	0.00	0.00	322.39	5.55
Sewa-II	166	55.32	0.00	35.72	91.04	5.49
Uri-II	210	0.00	0.00	69.61	69.61	3.32
<b>Total</b>	<b>3345</b>	<b>840.22</b>	<b>0.00</b>	<b>231.69</b>	<b>1071.91</b>	<b>3.20</b>
<b>NTPC</b>						
Anta	849	59.79	0.71	415.83	476.32	5.61
AurIya	1769	96.32	1.14	1249.22	1346.68	7.61
Dadri Thermal	697	79.74	0.60	219.93	300.27	4.31
Dadri Gas	1986	122.55	0.73	1044.90	1168.17	5.88
Dadri EXT.	1073	178.24	1.28	334.00	513.52	4.78
Rihand-I	2828	217.43	4.68	383.05	605.16	2.14
Rihand-II	2524	232.83	26.87	341.87	601.57	2.38

Name of Power Plant	Energy Procurement (MU)	Total Cost (Rs Crore)				Average Cost (Rs/KWh)
		Fixed Cost	Other Fixed Cost	Variable Cost	Total cost	
Singrauli	6420	343.43	10.92	831.63	1185.98	1.85
Tanda	3276	351.64	40.66	801.89	1194.18	3.65
Unchahar I	1951	158.48	2.24	476.41	637.13	3.27
Unchahar II	1090	109.85	1.23	266.30	377.37	3.46
Unchahar-III	593	73.53	3.80	144.96	222.30	3.75
Farakka TPS	199	19.41	0.16	67.79	87.36	4.38
Kahalgaon St-I	581	52.79	0.04	182.01	234.83	4.04
Kahalgaon Ph-II ST-II	1712	218.84	0.00	506.11	724.95	4.23
Rihand-III	1523	0.00	0.00	494.87	494.87	3.25
<b>Total</b>	<b>29071</b>	<b>2315</b>	<b>95</b>	<b>7761</b>	<b>10171</b>	<b>3.50</b>
<b>NPCL</b>						
NAPP	596	0.00	0.00	157.94	158	2.65
RAPP	541	0.00	0.00	160.60	161	2.97
RAPP#5&6	670	0.00	0.00	246.01	246	3.67
<b>Total</b>	<b>1807</b>	<b>0.00</b>	<b>0.00</b>	<b>564.55</b>	<b>565</b>	<b>3.12</b>
<b>IPP/JV/Bilateral/ Others</b>						
Natpha Jhakri HPS	1365	194.27	0.00	155.75	350	2.56
CO-GEN	2830	0.00	0.00	1308.16	1308	4.62
Karcham-Wangtoo	160	0.00	0.00	59.16	59	3.70
Tala Power (Through PTC)	184	39.40	0.00	0.00	39	2.14
Vishnuprayag	1752	198.23	0.00	207.10	405	2.31
Koteshwar	522	138.32	0.00	114.31	253	4.84
Tehri Stage-I	1241	285.45	0.00	310.25	596	4.80
Rosa Power Phase-I	4205	605.46	0.00	1545.89	2151	5.12
Rosa Power Phase-II	3902	794.73	0.00	1434.50	2229	5.71
IGSTPP, Jhajhhar	350	0.00	0.00	177.42	177	5.06
Anpara'C'	6745	0.00	0.00	2349.35	2349	3.48
Bajaj Hindustan (5*90MW)	2101	403.17	0.00	494.71	898	4.27
Bilateral/Exchange/Others	2587	0.00	0.00	1304	1304	5.04
<b>TOTAL</b>	<b>87173</b>	<b>9488</b>	<b>95</b>	<b>23331</b>	<b>32914</b>	<b>3.78</b>
PGCL charges	34878				1325	0.38
<b>Grand Total</b>					<b>34240</b>	<b>3.93</b>

As can be seen from table above, power purchase cost is projected to be Rs. 34,240 crore in FY 2013-14 which is inclusive of the inter-state transmission charges (PGCL) of Rs. 1,325 crore.

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

The Distribution Tariff Regulation 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 station, IPPs etc and supply to various DisComs of the state at the bulk supply rate notified by the Hon'ble Commission as GOUP has yet not allocated individual power share 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 2013-14. The derivation of the bulk supply tariff is depicted in the table below:

**Table 6-4: Computation of the Bulk Supply Tariff**

Particulars	Unit	Derivation	FY 2011-12	FY 2012-13	FY 2013-14
Power Purchase at UPPCL Level	MU	A	73918.64	80021.00	87172.53
Power Purchase Cost at UPPCL Level	Rs Crore	B	26307.16	29930.41	34239.59
Transmission Loss	%	C	5.26%	5.26%	5.26%
Input Energy at Discom Periphery	MU	$D=A*(1-C)$	70030.76	75811.63	82586.49
<b>Bulk Supply Tariff</b>	<b>Rs/kWh</b>	<b><math>E=B/D*10</math></b>	<b>3.76</b>	<b>3.95</b>	<b>4.15</b>

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

**Table 6-5: Projected Power Purchase Costs for the Tariff Period**

Particulars	FY 2011-12	FY 2012-13	FY 2013-14	
Energy Sales (MU)	A	16368.27	18212.39	20384.41
Distribution Loss (%)	B	27.73%	25.64%	22.71%
Distribution Loss (MU)	$C = A/(1-B)-A$	6280.37	6280.42	5988.08
Power Purchase Required (MU)	$D=A+C$	22648.64	24492.81	26372.49
Bulk Power Purchase Rate (Rs/kWh)	E	3.01 <sup>1</sup>	3.95	4.15
Power Purchase Cost (Rs Crore)	$F=DxE/10$	6819.51	9669.76	10933.79

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 incurring and impact on the ARR approved by the Hon'ble Commission.

<sup>1</sup> For the purposes of the ARR Petition, the power purchase cost for FY 2011-12 has been considered as per the provisional accounts. However the Hon'ble Commission may appreciate that UPPCL as per provisional accounts has incurred Rs. 26,307.16 crore towards power purchase expense in FY 2011-12 which translates to a BST of Rs. 3.76/kWh. Appropriate adjustments in the power purchase costs need to be allowed to DisComs in true-ups/internal adjustment with the subsidiary companies and/or other appropriate mechanisms.

### 6.3 TRANSMISSION CHARGES

The interstate transmission charges payable by the UPPCL to PGCL has been projected to be Rs. 1,325 crore in the ensuing year. The PGCL 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 PGCL 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 petitioners 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 UP Power Transmission Corporation Ltd (UPPTCL) for the FY 2013-14 filed before the Hon'ble Commission.

In such Petition, UP Power Transmission Corporation Ltd has projected transmission charge rate of Rs. 0.170 per kWh for FY 2013-14. 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 6-6: Projected Transmission Charges

Particulars		FY 2011-12	FY 2012-13	FY 2013-14
Energy Procured (MU)	A	22648.64	24492.81	26372.49
Transmission Tariff (Rs/kWh)	B	0.144	0.157	0.170
Transmission Cost (Rs Crore)	C=AxB/10	326.59	385.59	448.60

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 finalise 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 finalised, 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



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recovers only its costs and no unjust enrichment is allowed to it on account of postage stamp tariff method based billing.

#### 6.4 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).."*

However in last tariff order, the Hon'ble Commission was of the opinion that a suitable norm for allowance of O&M expenses could be adopted only after undertaking a thorough study of the O&M expenditure based on the past performances, and the cost drivers of the same, through a separate process. Till any such norm for O&M expenditure is determined, the Hon'ble Commission emphasized considering the individual elements of O&M expenditure based on past trends escalated by an inflation Index.

Further in addition to the O&M cost based on inflationary indices based escalation, Distribution Tariff Regulations provides an additional O&M expenses @ 2.5% of the additions to Gross Fixed Assets (GFA) during the previous year. Such portion of expenses has been separately calculated for the purposes of this Petition.

As stated above, in the absence of O&M norms, the Petitioner has estimated the O&M expenses for FY 2012-13 (current year) based on the provisional accounts for FY 2011-12 and thereafter using the escalated index of 8.67% determined by the Hon'ble Commission in its FY 2012-13 tariff order dated 19<sup>th</sup> October 2012. Similarly for, projecting the O&M expenses for FY 2013-14,

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escalation index of 6.84% has been used in line with the stipulations of the Distribution Tariff Regulations and computed in Section 6.1 above.

#### 6.4.1 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 and Sixth Pay Revision installment arrears.

**Table 6-7: Allocation of Incremental O&M expenses for FY 2013-14 (Rs Crore)**

Incremental O&M Expenses @ 2.5% of capital additions during the (n-1)th year	FY 2012-13	FY 2013-14
Capitalized Assets in (n-1)th year	624.67	528.07
Incremental O&M Expenses	15.62	13.20
(a) Employee Costs	9.11	7.70
(b) A&G Expenses	1.67	1.41
(c) R&M Expenses	4.84	4.09

#### 6.5 EMPLOYEE COSTS

The projection of employee costs involves a detailed examination of the various components of salary such as basic pay and dearness allowance for the various grades of employees. It would also involve an understanding of the extent of retirements as well as the manpower additions planned. Considering above the Petitioner has estimated employee cost for FY 2013-14 based on un-audited data of FY 2011-12 and data available up to date of filing this Petition.

Detail of each element of employees cost has been provided in this section. The employee cost for the Petition for FY 2013-14 is computed in the following table:

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Table 6-8: Details of Employee Cost for FY 2013-14 (Rs Crore)

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
Salaries	164.23	178.47	190.67
Dearness Allowance	85.34	92.74	99.08
Other allowances	12.67	13.77	14.71
Bonus / Ex-gratia	1.09	1.18	1.26
Medical Expenses Reimbursement	2.35	2.55	2.73
Leave Travel Assistance	0.00	0.00	0.00
Earned Leave Encashment	12.28	13.35	14.26
Compensation	-	-	-
Staff Welfare Expenses	0.24	0.26	0.28
Pension and gratuity	37.19	51.75	55.29
Other Terminal benefits	3.89	4.22	4.51
Additional Expenses(@2.5% of capitalized assets)	-	9.11	7.70
<b>Gross Employee cost</b>	<b>319.28</b>	<b>367.40</b>	<b>390.50</b>
Less: Employee Expense Capitalized	136.96	55.11	58.57
<b>Net charged to Revenue</b>	<b>182.32</b>	<b>312.29</b>	<b>331.92</b>

As mentioned above evolution of sub account of employee cost has been forecasted from base figure of FY 2011-12 as per provisional balance sheet. While projecting the expenses for the current year FY 2012-13, the Petitioner has used the escalation index of 8.67% which is the index determined by the Hon'ble Commission in its FY 2012-13 tariff order dated 19<sup>th</sup> October 2012. Similarly, while projecting the expenses for the ensuing year 2013-14, the Petitioner has used the escalation index of 6.84% computed in line with the stipulations of the Distribution Tariff Regulations. Various sub-elements of employee expenses have been estimated as follows:

- **Basic Salary and Dearness Allowance (DA):** In line with the philosophy discussed above, the basic salary and dearness allowance has been forecasted to increase by the inflation index of 8.67% and 6.84% in FY 2012-13 and FY 2013-14 respectively per year from FY 2011-12
- **Other allowance:** Other allowance for FY 2013-14 has been forecasted to increase by inflation indices per year from FY 2011-12.
- Medical Reimbursement, LTA, earned leave encashment; staff welfare expenses and other terminal benefits have been forecasted to increase by inflation indices per year from FY 2011-12.
- **Pension and Gratuity:** Pension and Gratuity have been calculated at 16.70% and 2.38% (i.e., 19.08%) of Basic Salary and Dearness Allowance.
- Additional incremental expenses (as discussed in 6.4.1 above) equivalent to 2.5% of Gross Fixed Assets additions during the previous year has also been added to the employee expenses.

- Capitalization rate on Employee Expenses has been estimated at 15% of the total employee expenses, which is in line with the policy adopted by the Hon'ble Commission in its last tariff order for the Petitioner.
- Here it is also worthy of mentioning that UPPCL vide order dated November 27, 2010 which is applicable to the Petitioner as well, has allowed its employees benefit of Assured Career Progression (ACP) scheme in line with the recommendation of Sixth Pay Revision & GoUP order in this regard. Under this scheme, the employees of the Petitioner are allowed their first, second and third time scale in 09th, 14th & 19th years of their service respectively. Further UPPCL vide order dated August 14, 2010 has allowed applicability of third time scale since 01.01.1996 which was previously allowed on different dates between 01.01.2006 to 19.02.2009. Such order is also applicable to the Petitioner as well. Impact of these orders has not been included in estimation of employees cost. The impacts of such amounts would be sought at the time of true-up by providing the segregation of arrear payment and normal employee expenses payment of the relevant year.

#### 6.6 ADMINISTRATION AND GENERAL (A&G) EXPENSES

Administration and General expenses are incurred by the Petitioner for meeting day-to-day expenses related to the administration of its offices, insurance, communication, professional charges, audit fees, advertisement expenses, freight etc. All these expenses are directly affected by inflation. Therefore, A&G expenses have been projected considering the impact of inflation and need for addition of more substation and offices.

The rationale of the projections of A&G expenses have been elaborated in the table below:

- As a reflection of the continuing commitment of the Petitioner to keep costs under control, almost all A&G Expenses have been escalated by inflation indices per year across the board to offset the effect of inflation.
- In addition to above, regulatory expenses considering the ARR application fees plus 0.05% of revenue as license fees has been added in A&G expenses in FY 2013-14.
- Miscellaneous expenses include billing & collection expenses incurred due to out-sourcing of billing work and use of hand held machines, etc. Further the Petitioner is planning to use various information technology (IT) initiatives such as implementation of software solutions, networking (Both local area network & wide area network), retail billing solution, energy billing system, web based payment solution, energy accounting system etc to drive operational efficiency improvement.
- Capitalization rate on A&G expenses has been projected at 15 % of A&G cost. This is consistent with the approach adopted by the Commission in its previous tariff orders.

- The Petitioner has taken several steps for enhancing customer care, system augmentation and computerization for better process management. It has also taken steps to increase communication network with the field units/ persons so as to reduce the down time for restoration of supply and better data management.

- The petitioner is also planning to provide its consumer, the facility for payment of their electricity bills on line through credit cards. This will facilitate the consumer to pay their bills at their convenience. This payment option would be in addition to existing payment option.

The A&G expenses for the financial year 2011-12 as per provisional accounts, estimates for FY 2012-13 and the projected A&G expenses for the financial year 2013-14 have been summarized in the table below:

**Table 6-9: Administration and General (A&G) Expenses for FY 2013-14 (Rs Crore)**

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
Rent, Rates & Taxes	0.42	0.46	0.49
Insurance	0.40	0.43	0.46
Telephone, Postage & Telegrams, Telex charges	2.49	2.71	2.90
Legal charges	1.63	1.77	1.89
Audit fees	0.24	0.26	0.27
Consultancy charges	1.62	1.76	1.88
Technical fees and professional charges	-	-	-
Conveyance and traveling	2.49	2.70	2.89
Regulatory expenses	3.87	8.82	10.09
Electricity Charges	10.21	11.09	11.85
Other expenses	35.15	38.19	40.81
Billings and Collection Expenses	-	2.25	3.25
Additional Expenses(@2.5% of capitalized assets)	-	1.67	1.41
<b>Total Charges</b>	<b>58.52</b>	<b>72.12</b>	<b>78.20</b>
Less: Expense Capitalized	14.08	10.82	11.73
<b>Net charged to Revenue</b>	<b>44.43</b>	<b>61.30</b>	<b>66.47</b>

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

The details of the proposed capital investment for FY 2013-14 are provided in the table below:



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Table 6-10: Capital Investment Plan for FY 2013-14 (Rs Crore)

Description	Qty	Loans	Capital Expenditure		Total
			Equity / Internal Accruals	Deposit Works	
<b>Construction of New 33/11 KV Substation &amp; related Lines</b>					
Capacity Enhancement of 33 KV Substations	350Nos.	-	73.19	-	73.19
Construction of 33 KV Lines	1065KM	-	102.06	-	102.06
Strengthening of 33 KV Lines	195KM	-	5.35	-	5.35
Construction of New 33/11 KV Substation	245Nos.	190.09	42.24	-	232.34
<b>11 KV Works</b>					
Construction of 11 KV Lines	525KM	-	15.12	-	15.12
Strengthening of 11 KV Lines	800KM	-	12.64	-	12.64
Construction of 11/0.4 KV Substation	800Nos.	-	23.17	-	23.17
Strengthening of 11/0.4 KV Substations	1000Nos.	-	16.73	-	16.73
Replacement of 11 KV Switchgear	300Nos.	-	7.20	-	7.20
Replacement of Mobile Trolleys, etc	40Nos.	-	3.00	-	3.00
Installation of Meters	400000Nos.	-	64.00	-	64.00
Double Metering of Consumers	668Nos.	-	1.57	-	1.57
Arial Bunch Conductor	2000KM	-	69.64	-	69.64
Feeder Separation	KM	540.00	120.00	-	660.00
Creation of 33KV S/s and line and 11KV line consequent to Feeder Separation	59Nos.	104.01	23.11	-	127.12
Construction of 11KV Link line(Over head & under ground cable)	300KM	-	23.43	-	23.43
Upgradation of Store and Workshop	Nos.	-	2.00	-	2.00
Construction of New PCC Pole Unit	Nos.	-	5.00	-	5.00
Replacement of damaged Poles	12000Nos.	-	8.40	-	8.40
Earthing of Transformers	1300Nos.	-	1.56	-	1.56
Metering of Distribution Transformers	200Nos.	-	1.14	-	1.14
Replacement of Jarjar Tar	1700KM	-	8.33	-	8.33
Construction/Strengthening of LT Lines	250KM	-	4.60	-	4.60
Civil Works at Substations	Nos.	-	29.50	-	29.50
R-APDRP		404.50	-	-	404.50
Deposit Works		-	-	200.00	200.00
<b>Total</b>		<b>1,238.60</b>	<b>662.98</b>	<b>200.00</b>	<b>2,101.58</b>

The projected capital expenditure is proposed to be funded in a debt equity mix of 70:30 which is also in line with the Distribution Tariff Regulations.

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



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- The opening GFA and CWIP for FY 2012-13 have been taken as per the closing figures from provisional annual accounts of FY 2011-12.
- 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 not been taken for capital formation as per policy adopted by commission in its last tariff Order. Thus, capital investments shown in the Capital formation table below does not include capital works funded through deposit works. The interest amount incurred on R-APDRP loans would be converted into a grant upon the fulfillment of certain conditions. Considering this, no interest has been charged on this account in the ARR projections and the investment under the R-APDRP work has not been taken for capital formation.

Considering the above the capitalization for FY 2012-13 and 2013-14 is provided in the Table below:

**Table 6-11: Capitalization and WIP of Investment during FY 2012-13 and 2013-14 (Rs Core)**

Particulars	FY 2012-13	FY 2013-14
Opening CWIP	A	203.85
Capital Investment	B	1,025.20
Employee Capitalization	C	55.11
A&G Capitalization	D	10.82
Interest Capitalization	E	25.20
<b>Total Investments</b>	<b>F = A+B+C+D+E</b>	<b>1,320.18</b>
Transferred to GFA (Total Capitalization)	G = 40% of F	528.07
<b>Closing CWIP</b>	<b>H = F-G</b>	<b>792.11</b>
		<b>1,449.82</b>

#### 6.8 REPAIR AND MAINTENANCE (R&M) EXPENSES

As per unaudited balance sheet the actual expenditure incurred by the licensee under R&M expenditure for FY 2011-12 is Rs 169.59 crore. Due to the tight financial position and heavy cash losses of the Petitioner, system improvement and preventive maintenance are not achieved to the expected level due to frequent breakdowns and supply interruptions. The Petitioner has largely spent money on need basis for urgent restoration of supply and must do activities. It can be observed that the major portion of R&M has been expensed on Plant & Machinery and Lines & Cable Network.

While projecting the expenses for the current year FY 2012-13, the Petitioner has used the escalation index of 8.67% which is the index determined by the Hon'ble Commissioner in its FY

2012-13 tariff order dated 19<sup>th</sup> October 2012. Similarly while projecting the expenses for the ensuing year 2013-14; the Petitioner has used the escalation index of 6.84% computed in line with the stipulations of the Distribution Tariff Regulations. Further as mentioned in foregoing section, an additional incremental expenses of 2.5% of GFA addition during the previous year has also been added.

The Petitioner humbly submits that it may be allowed actual R&M expenses incurred by it at the time of true-up. The actual R&M expenses for FY 2011-12, estimates for 2012-13 along with projected R&M expenses for the financial year 2013-14 are summarized below in the table below:

**Table 6-12: Details of Repair and Maintenance Expenses for FY 2013-14 (Rs Crore)**

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
Plant & Machinery	69.01	74.99	80.12
Building	2.36	2.57	2.74
Civil works	-	-	-
Lines, Cable Network, etc	96.65	105.03	112.21
Vehicles	1.35	1.47	1.57
Furniture & Fixtures	0.01	0.01	0.01
Office equipment	0.21	0.23	0.24
Additional Expenses(@2.5% of capitalized assets)	-	4.84	4.09
<b>Total Charges</b>	<b>169.59</b>	<b>189.13</b>	<b>200.99</b>

## 6.9 SUMMARY OF O&M EXPENSES

The table below provides the summary of the overall net O&M expenses for the financial years 2012-13 and 2013-14.

**Table 6-13: Summary of Net O&M Expenses for FY 2012-13 and 2013-14 (Rs Crore)**

Item	FY 2012-13	FY 2013-14
<b>Gross O&amp;M Expenses</b>		
(a) Gross Employee Expenses	367.40	390.50
(b) Gross A&G Expenses	72.12	78.20
(c) Gross R&M Expenses	189.13	200.99
<b>Less: Employee Expenses Capitalization</b>	<b>55.11</b>	<b>58.57</b>
<b>Less: A&amp;G Expenses Capitalization</b>	<b>10.82</b>	<b>11.73</b>
<b>Total</b>	<b>562.72</b>	<b>599.38</b>

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## 6.10 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

The Petitioner has considered the above philosophy in estimating the depreciation expense for FY 2012-13 and 2013-14. The opening GFA considered for FY 2012-13 is as per the closing GFA balances of provisional balance sheet for FY 2011-12. For calculating the depreciation expense for the current year and ensuing year, a rate equivalent to the actual weighted average rate as per provisional accounts for FY 2011-12 has been considered.

Considering the above GFA base and depreciation rates, the Petitioner has estimated a depreciation expense of Rs. 172.28 crores and Rs. 193.58 crores for FY 2012-13 and 2013-14 respectively. The detailed calculations have been done in Tariff Filing Format F-8 submitted along with this Petition.

## 6.11 PROVISION FOR BAD AND DOUBTFUL DEBTS

Provisions have been made for bad and doubtful debts at 1% of revenue receivables in line with the Regulation 4.4 of the UPERC (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2006 issued on October 6, 2006. In the last Tariff Order the Hon'ble Commission had disallowed the Petitioner's claim for Provision for Bad and Doubtful Debts due to the absence of any clear-cut policy. It is further submitted that provision for bad & doubtful debts are accepted accounting principle even in sector like Banking where the provisioning of un-collectable dues are considered as a normal commercial practice.



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Despite the Hon'ble Commissioner'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 2012-13 & FY 2013-14 in line with the provisions stipulated in the Distribution Tariff Regulations. The Provision for Bad and Doubtful Debts for 2011-12, estimates for 2012-13 along with projections for the financial year 2013-14 are summarized in the table below:

**Table 6-14: Provision for Bad and Doubtful Debts (Rs Crore)**

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
Revenue Receivable	3240.41	3673.41	4097.11
Percentage of Debt allowed	0.00%	1.00%	1.00%
Provision for Bad Debts	0.00	36.73	40.97

#### 6.12 INTEREST AND FINANCE CHARGES

The interest and finance charges for FY 2012-13 and 2013-14 are based on current schedule of long-term debt repayment and new debt requirement for funding the capital investment plan. An estimate of the evolution of the long term loan corresponding to the capital investment plan for the FY 2012-13 and 2013-14 along with the actual for FY 2011-12 is provided in format F9 (a) of the tariff formats.

The rationale for the projections of Interest and Finance cost is described herein below:

- In the case of existing long term loans, the projected repayments and the interest expense have been computed considering the loan agreements with financial institutions.
- The revised estimates in respect of capital investment for FY 2012-13 and the projected capital investment for FY 2013-14 is projected to be financed in the debt equity ratio as provided in format 9 (a) of the tariff formats.
- No interest has been considered on loans in respect of R-APDRP works. As per the scheme, the interest on loans would be converted into grants subject to fulfillment of certain conditions.
- The revenue gaps in respect of past years have been acknowledged by the Hon'ble Commission in the FY 2012-13 tariff order dated 19<sup>th</sup> October 2012 wherein it has stated in Para 9.3.4 of the said order that *"for meeting the carrying cost of the revenue gap and*

liquidation of revenue gap, the Commission would be introducing a regulatory surcharge in the future once the true ups have been done and the values of revenue gaps / regulatory assets have been approved by the Commission". The true-up petitions for the financial years 2000-01 to 2007-08 have already been filed before the Hon'ble Commission and the order on the same is awaited. The UPPCL and distribution companies were constrained to borrow short term working capital loans from Banks and Financial Institutions like PFC, REC, etc. The loans were borrowed to meet the power purchase dues of distribution companies and to avoid a default situation. Repeated borrowings with no matching increase in tariff consequent to the increase in cost of supply led to worsening of the financial position of the discoms. Considering the similar situation of various discoms across the country, an Expert Group was formed under the chairmanship of Mr. B.K. Chaturvedi, Member (Energy), Planning Commission, Govt of India. The Expert Group and the Ministry of Power, Govt of India directed the distribution companies to prepare a financial restructuring plan with a view to bring financial viability and increasing liquidity of the discoms. UP Discoms prepared a FRP and such FRP suggested the debt restructuring as a first measure to improve the liquidity position and provision of transition finance till the turnaround of the discoms is achieved. Such FRP was approved by the Bankers and based on the FRP projections they are lending transition finance loans to state discoms including the Petitioner. As per the current framework of the scheme, the Petitioner would be receiving loans of Rs. 870 crore in FY 2012-13 and of Rs. 1,677.48 crore in FY 2013-14. The FRP loans have a moratorium of 2 years with a repayment period of 8 years thereafter. Accordingly the interest on such loans has been considered in the ARR projections. It is humbly submitted that the interest on such loans may be considered in the ARR projections.

- Further in a recent development the Govt of India on 05<sup>th</sup> October 2012 has formulated a scheme for the Financial Restructuring of the State owned distribution companies in consultation with States and lenders. The scheme provides for financial restructuring of short term liabilities (STL) of the discoms, 50% of STL are to be taken over by the State Government corresponding to the accumulated losses as on 31.03.2012. This will be first converted into bonds by the Discoms to the participating lenders with State Government guarantee and subsequently the same will be taken over by the State Government by way of special securities without breaching the FRBM limits. The balance 50% STL are to be rescheduled be lenders under the scheme. Central Government support would be provided by way of Transitional Finance Mechanism (TFM) for accelerated reduction in AT&C losses and reimbursement of 25% of the principal amount taken over by the State Government, subject to fulfillment of the mandatory conditions by the Discoms. The mandatory conditions of such scheme provides for filing of the FRP before the State Electricity Regulatory Commissions for their in-principle approval. A copy of such scheme is enclosed as per 'Annex-3'. After the preparation of the FRP consequent to new Gol scheme dated 05<sup>th</sup> October 2012, the Petitioner would be filing such FRP before the Hon'ble Commission for their in-principle approval.

- Normative interest on working capital has been computed in Format S-6 of the Tariff Formats submitted along with the Petition. It is humbly prayed that the same may be approved in addition to the interest and finance charges depicted in this section.
- For projecting the finance charges (comprising of cost of raising finance, etc) in FY 2012-13 and 2013-14, the actual incidence of such charges in FY 2011-12 as per the provisional accounts has been escalated using the inflation index for the respective years.
- Discount to consumers are in respect of rebates given to consumers under different heads like load factor rebate, power factor rebate, etc. For the FY 2012-13 and 2013-14 the projected discount to consumers are based on FY 2011-12 actuals and linked with the escalation indices for FY 2012-13 and 2013-14.
- 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 6% as notified by the Reserve Bank of India. The rate is also in line with the rate considered by the Hon'ble Commission in the FY 2012-13 tariff order dated 19<sup>th</sup> October 2012. The opening balances have been considered as per closing figures of provisional accounts for FY 2011-12 and additions during the year for FY 2012-13 and 2013-14 are estimated in line with the projected load growth.

**Table 6-15: Interest on Consumer Security Deposits (Rs Crore)**

Particulars	FY 2012-13	FY 2013-14
Opening Balance for Security Deposit	736.80	819.81
Additions during the year	83.01	75.06
<b>Closing Balance for Security Deposit</b>	<b>819.81</b>	<b>894.87</b>
Rate of Interest	6%	6%
<b>Interest Paid / Payable on Security Deposits</b>	<b>49.19</b>	<b>53.69</b>

The interest and finance charges for FY 2012-13 and 2013-14 have been projected considering the above discussions. The table below summarizes the interest and finance charges for FY 2012-13 and 2013-14.

**Table 6-16: Projected Interest and Finance Charges (Rs Crore)**

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
Gross Interest Charges	121.11	168.03	379.13
Finance and Bank Charges	0.08	0.08	0.09

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
Discount to Consumers	-	-	-
Interest on Consumer Security Deposits	15.95	49.19	53.69
<b>Total Interest and Finance Charges</b>	<b>137.13</b>	<b>217.31</b>	<b>432.92</b>
Capitalization	-	25.20	56.87
<b>Net Interest and Finance Charges</b>	<b>137.13</b>	<b>192.10</b>	<b>376.05</b>

### 6.13 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 2011-12. The amount for FY 2012-13 and FY 2013-14 has been projected to grow at the rate of inflation index from the actuals of FY 2011-12.

Table 6-17: Other Income (Rs Crore)

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
Interest on fixed deposits	7.77	8.45	9.02
Rental from Staff	0.12	0.13	0.14
Miscellaneous receipts	0.24	0.26	0.28
Recovery from theft of energy	-	-	-
Misc. charges from consumers	3.64	3.95	4.22
Delayed payment charges from consumers	44.91	-	-
<b>Total</b>	<b>56.68</b>	<b>12.79</b>	<b>13.67</b>

### 6.14 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.

In the last ARR submission, the Petitioner had requested for a zero return on the pretext that it will further increase the gap and put extra burdens on the consumers. Same conditions are still prevailing. Thus the Petitioner does not seek any return on equity.

#### **6.15 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.

#### **6.16 APPORTIONMENT OF O&M EXPENSES AND INTEREST & FINANCE CHARGES OF UPPCL**

The Hon'ble Commission in the FY 2012-13 tariff order has 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 2011-12 as per provisional accounts have been considered as base expenses and the same have been escalated in FY 2012-13 and 2013-14 based on the escalation indices for each year. 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. Such loans have been restructured as part of the FRP as discussed in the foregoing sections. 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 and interest and finance charges of UPPCL for FY 2012-13 is Rs. 1002.34 crore and Rs. 1082.65 crore for FY 2013-14. Accordingly the same have been considered as part of ARR to be recovered through the ARR. A note detailing the rationale and apportionment of the O&M expenses and Interest and Finance charges of UPPCL is enclosed as per 'Annex-2'.

### 6.17 ARR SUMMARY

The Consolidated Retail & Wheeling Business of ARR along with revenue gap for FY 2013-14 at current tariff is summarized in the table below.

Table 6-18: Annual Revenue Requirement (Rs Crore)

Particulars (Rs Crs)	FY 2011-12	FY 2012-13	FY 2013-14
	Unaudited	Estimated	Projection
Power Purchase (MU)	22648.64	24492.81	26372.49
Units Sold (MU)	16368.27	18212.39	20384.41
Power Purchase Cost from UPPCL	6819.51	9669.76	10933.79
Intra-state Transmission Charges	326.59	385.59	448.60
Employee Cost (Net of Capitalization)	182.32	312.29	331.92
A&G Expense (Net of Capitalisation)	44.43	61.30	66.47
Repair & Maintenance Expense	169.59	189.13	200.99
Interest & Finance Charges (Net)	137.13	192.10	376.05
Provision for Bad and Doubtful Debts	0.00	36.73	40.97
Depreciation	146.94	172.28	193.58
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	847.04	1002.34	1082.65
Return of Equity	0.00	0.00	0.00
Net Prior Period Credit/Charges	6.80	0.00	0.00
<b>Total Expenses</b>	<b>8680.36</b>	<b>12021.52</b>	<b>13675.02</b>
Less: Other Income	56.68	12.79	13.67
Less: GoUP Subsidy	1031.21	1274.11	1374.58
<b>Total Annual Revenue Requirement</b>	<b>7592.47</b>	<b>10734.62</b>	<b>12286.78</b>
Revenue From Existing Tariff	6359.99	8660.05	10592.60
<b>Remaining Gap</b>	<b>1232.48</b>	<b>2074.57</b>	<b>1694.17</b>

**6.18 RETAIL AND WHEELING BUSINESS ARR SUMMARY**

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

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

Allocations of Consolidated ARR into wheeling & retail supply for FY 2013-14 have been estimated into following table:

**Table 6-19: Wheeling and Retail Supply – ARR FY 2013-14 (Rs Crore)**

Particulars (Rs Crore)	Allocation %		Allocation FY 2013-14		Total
	Wheeling	Supply	Wheeling	Supply	
Power Purchase Expenses	0.0%	100.0%	0.00	10933.79	10933.79
Transmission Charges	0.0%	100.0%	0.00	448.60	448.60
Employee Cost	60.0%	40.0%	234.30	156.20	390.50
A&G Expenses	40.0%	60.0%	31.28	46.92	78.20
R&M Expenses	90.0%	10.0%	180.89	20.10	200.99
Interest Charges	90.0%	10.0%	389.62	43.29	432.92
Depreciation	90.0%	10.0%	174.22	19.36	193.58
Apportionment of O&M Expenses & Interest & Finance Charges of UPPCL	40.0%	60.0%	433.06	649.59	1082.65
<b>Gross Expenditure</b>			<b>1443.37</b>	<b>12317.85</b>	<b>13761.22</b>
<b>Expenses Capitalization</b>					
<i>Employee Cost Capitalized</i>	60.0%	40.0%	35.14	23.43	58.57
<i>Interest Capitalized</i>	90.0%	10.0%	51.18	5.69	56.87
<i>A&amp;G Expenses Capitalized</i>	40.0%	60.0%	4.69	7.04	11.73
<b>Net Expenditure</b>			<b>1352.35</b>	<b>12281.69</b>	<b>13634.05</b>
<b>Special Appropriation</b>					
Provision for Bad & Doubtful Debts	0.0%	100.0%	0.00	40.97	40.97
Provision for Contingency Reserve	0.0%	100.0%	0.00	0.00	0.00
<b>Total Net Expenditure with Provision</b>			<b>1352.35</b>	<b>12322.66</b>	<b>13675.02</b>
Add: Reasonable Return / Return on Equity	90.0%	10.0%	0.00	0.00	0.00
Less: Non Tariff Income	0.0%	100.0%	0.00	13.67	13.67
Less: GoUP Subsidy	0.0%	100.0%	0.00	1374.58	1374.58
<b>Annual Revenue Requirement (ARR)</b>			<b>1352.35</b>	<b>10934.42</b>	<b>12286.78</b>



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**6.19 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-20: Wheeling Charges for FY 2013-14**

Particulars	Agra	Lucknow	Meerut	Varanasi	Kesco	Total
Net Distribution Wheeling Function ARR	1210.86	1026.54	1352.35	1453.58	268.44	5311.78
Retail sales by Discom	11998.72	11878.26	20047.06	14255.37	2627.26	60806.68
Wheeling Charge						0.87



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वित्तिय विभाग, वाराणसी



## 7. TREATMENT OF REVENUE GAP

The Petitioner would like to humbly submit that the Hon'ble Commission approves tariff which is uniform throughout the state. The tariff for the period FY 2012-13 was made effective on 1<sup>st</sup> October 2012. The Petitioner has evaluated a revenue gap of Rs. 1694.17 crore in the ensuing year.

Outlined below is the treatment of the Revenue Gap for the financial year 2013-14 based on current tariff:

Table 7-1: Meeting the Gap for FY 2013-14 (Rs Crore)

Particulars (Rs Crore)	FY 2013-14
Annual Revenue Requirement	12286.78
Revenue from Existing Tariff	10592.60
Revenue Gap to be met through tariff hike/ Creation of a Regulatory Assets / Efficiency Improvements / Subsidy from GOUP / Loan from Banks, Financial Institutions	1694.17



मुख्य अभियन्ता (वाणिज्य)

राज्य विद्युत वितरण निगम लि०

फ़्लाइंग चार पार्क, भैरठ  
दिल्ली

8. PRAYER

The petitioner prays that the Commission may be pleased to:

- Condone the delay in the submission of the Annual Revenue Requirement for FY 2013-14
- Admit the accompanying Annual Revenue Requirement for FY 2013-14
- Approve the Annual Revenue Requirement for financial year FY 2013-14
- Allow the Petitioner to procure power through bilateral contracts/exchanges/short term contracts to maintain the desired schedule of supply in the state in case the power procurement from long term sources falls short of levels envisaged and accordingly allow the Petitioner to claim FPPCA on such purchases and allow the variations in final truing 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 incurring and impact on the ARR approved by the Hon'ble Commission.
- In the interim till the contracted capacities are finalised, 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 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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शिवपुरी रोड, पार्क, नगर

# ANNUAL REVENUE REQUIREMENT PETITION

FOR FY 2013-14

## ANNEXURE - 1

### Power Procurement Plan



PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED

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मुख्य अभियन्ता (वाणिज्य)  
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## POWER PROCUREMENT PLAN FOR FY 2013-14

### EXECUTIVE SUMMARY

This report presents the list of key assumptions, methodology employed for estimating the power procurement plan and results obtained for the ensuing year FY 2013-14.

The key inputs to the power procurement plan are the load forecast for the year 2013-14, 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 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 the ensuing year
- Indicated availability and plant load factors of various generators and
- Past availability trends and other relevant information in some cases

Similarly the cost estimates are based on relevant tariff orders, recent bills, existing arrangements, notifications etc. for various individual sources. The projected availability from various firm sources of power and associated cost estimates are detailed in the sub-sections below. Various documents referred while estimating these parameters, including energy bills from various generating stations for the month of July 2012 are enclosed in Appendix-B of this report.

Considering the study of the actual data for the first four months of the current year FY 2012-13, the revised energy sales (retail and bulk) for FY 2012-13 is 56,955 MU and the revised T&D losses are estimated to be 28.82%. Considering the above, the total energy to be procured is approximately 80,021 MU.

The energy sales, system losses and total power procurement costs for previous year, current year as well as for the ensuing year 2013-14 are provided below:

Particulars	Unit	2011-12	2012-13	2012-13	2013-14
		Unaudited	Petition	Estimated	Projection
Energy Sales	MU	50,594	60,619	56,955	63,683
System Losses	%	31.55	27.65	28.82	26.95
Energy Required	MU	73,919	83,788	80,021	87,173
Total Power Procurement Cost	Rs Crore	26,307	29,982	29,930	34,240

*(Signature)*

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Particulars	Unit	2011-12	2012-13	2012-13	2013-14
		Unaudited	Petition	Estimated	Projection
Average Power Procurement Cost	Rs/kWh	3.56	3.58	3.74	3.93

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 2013-14 to meet the demand to the extent possible.

The energy requirement for the ensuing year 2013-14 is 87,173 MU which has to be procured from the existing resources (State, Central and Joint Venture Generating Stations) with which petitioner has PPAs. As in the past, such sources, especially the state owned generating stations have failed to provide the energy determined by Hon'ble Commission. As a consequence the distribution companies and UPPCL have been constrained to procure power through bilateral/exchanges/PTC, etc to maintain the desired schedule of supply.



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## 1 INTRODUCTION

The distribution companies are required to submit their Annual Revenue Requirement (ARR) Petitions before the Hon'ble Commission each year. In order to carry out this task a power procurement plan is required for the ensuing year FY 2013-14. This report is devoted to the development of a power procurement plan for UPPCL/Discoms for the ensuing year. The main objectives of this report are:

- To present a criteria and list of assumptions adopted for developing a power procurement plan for the ensuing year for UPPCL/ Discoms
- To present details of proposed power procurement plan for the ensuing year
- To present conclusions of the study.

This report has been organized in the following sections:

Section 2 provides the list of existing and upcoming generating system and the statement of power procurement plan from such stations

Section 3 provides the set of key assumptions and proposed methodology for developing the power procurement plan.

Section 4 presents the power procurement plan for the ensuing year 2013-14

Section 5 provides the summary of the key findings and conclusions

Appendix A tabulates the summary of key results.

Appendix B provides the enclosures containing the energy bills from various generating stations for the month of July 2012 based on which the principles adopted in this report have been considered

## 2 UTTAR PRADESH POWER SYSTEM

### 2.1 Existing Generation

The total capacity available (to Uttar Pradesh) including the share in the state sector plants, share in the capacity of central sector plants, IPPs, share in joint venture plants, etc for the ensuing year are depicted in the Table-2-1 below:

Table2-1: Gross Capacity Available To UPPCL in FY 2013-14

Description/Name of Agency	UPRVNL	UPJVNL (Hydro)	Central Sector		IPPs/JV
			Thermal	Hydro	
Installed Capacity (MW)	5496	526	4446	676	4243
Capacity of plants under shut down (MW)	547	0	--	--	--
Sum of total Available Capacity (MW)	4949	457	4446	676	4243
Total System Available Capacity (MW)			14771		

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The station wise details of the aforementioned capacities are provided in the Tables 2-2 to 2-5 below. The existing installed capacity, derated capacity and available capacity from state thermal generating company UPRVNL is provided in table below:

**Table 2-2: Gross Available Thermal Generating Capacity from UPRVNL Plants**

Station Name	Installed	Capacity (MW)		Available
		Derated/ Shutdown		
Anpara A	630	0		630
Anpara B	1000	0		1000
Harduaganj	440	275		165
Obra A	550	262		288
Obra B	1016	0		1016
Panki	220	10		210
Parichha	220	0		220
Parichha Ext.St-I	420	0		420
Parichha Ext.St-II (2x250)	500	0		500
Harduaganj Ext. (2x250)	500	0		500
<b>Total</b>	<b>5496</b>	<b>547</b>		<b>4949</b>

The capacity available from state hydro generating company UPIVNL is provided in table below:

**Table: 2-3 Gross Available Hydro Generating Capacity from UPIVNL Plants**

Station Name	Capacity (MW)	Allocated Capacity (MW) to UPPL
Khara	72	58
Matatlla	30	20
Obra (Hydel)	99	99
Rihand	300	255
U.G.C.Power Stations.	22	22
Sheetla	4	4
<b>Total</b>	<b>526</b>	<b>457</b>

The available generation capacity from central sector stations, joint venture stations and IPPs for the ensuing year is provided in the table below:

**Table 2-4: Gross Available Generating Capacity from CGS, IPP and JV Plants**

Station Name	Installed Capacity (MW)	Allocated Capacity (MW)	%
<b>NTPC</b>			
Anta	419	114	27.20
Auriya	663	238	35.82
Dadri Thermal	840	126	14.95
Dadri Gas	830	267	32.13
Dadri St-II	980	151	15.43
Rihand-I	1000	375	37.48
Rihand II	1000	345	34.54

  
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Station Name	Installed Capacity (MW)	Allocated Capacity (MW)	%
Singrauli	2000	853	42.63
Tanda	440	440	100.00
Unchahar I	420	257	61.10
Unchahar II	420	150	35.63
Unchahar III	210	73	34.87
Farakka	1600	33	2.08
Kahalgaoon	840	77	9.12
Kahalgaoon St.II Ph.I	1500	251	16.73
Rihand St.III	1000	340	34.00
<b>Sub-total</b>	<b>14163</b>	<b>4088</b>	
<b>NHPC</b>			
Chamera	540	109	20.27
Chamera-II	300	82	27.36
Chamera-III	231	59	25.54
Dhauliganga	280	72	25.57
Salal I&II	690	48	6.95
Tanakpur	94	21	22.59
Uri	480	96	20.06
Duhasti	390	107	27.39
Sewa-II	120	34	28.08
Uri-II	240	48	20.00
<b>Sub-total</b>	<b>3365</b>	<b>676</b>	
<b>NPCIL</b>			
NAPP	440	161	36.57
RAPP	400	72	18.11
RAPP #5 & #6	440	125	28.31
<b>Sub-total</b>	<b>1280</b>	<b>358</b>	
<b>IPP &amp; JV</b>			
Nathpa Jhakri HPS	1500	275	18.33
Vishnu Prayag	400	352	88.00
Tala Power	1020	45	4.41
Tehri Hydro	1000	410	40.99
Karcham-WT	1000	200	20.00
Koteswar	400	169	42.35
IGSTPP, Jhajjhar	1500	41	2.76
Rosa Thermal Project	1200	1200	100.00
Anpara 'C'	1200	1100	91.67
Bajaj Hindustan(5*90MW)	450	450	100.00
<b>Sub-total</b>	<b>9670</b>	<b>4243</b>	
<b>Grand Total</b>	<b>28478</b>	<b>9365</b>	

As can be seen from Table 2-1, UP's in-State generation system is predominantly thermal with a hydro: thermal ratio of 5.23%: 94.77%. If the total hydro component of central sector and other IPP/JV is added, then the hydro: thermal ratio is 16%:84%.

  
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In addition to the aforementioned details in respect of existing generation capacities, following new units are expected to be available in the ensuing year 2013-14 as depicted in the table below:

**Table 2-5: Expected Capacity addition (MW) in FY 2013-14**

Name of Power Station	Capacity (MW)
Karcham Hydro	200
URI-II	48
Rihand St.III	340
<b>Total</b>	<b>588</b>

In addition to the capacity described above, some small cogeneration projects would also be connected to UPPCL's distribution system (at 11 kv and 33 kv).

## 2.2 Review of Supply Position in FY 2011-12 and 2012-13

In the previous year 2011-12, UPPCL procured 73,961 MU from the state owned UPRVUNL, UPIVNL, Central Sector Generators (i.e. NTPC, NHPC, and NPCL), joint ventures, open access and co generators. In the current year 2012-13, till July 2012, UPPCL has procured 32,941 MU from the all above mentioned sources against 83,788MU as submitted in ARR Petition for 2012-13. As per revised estimates, UPPCL estimates to procure 80,021 MU in 2012-13. This reflects a growth of 7.55% as compared to previous year. The T&D losses are expected to remain 28.82% in 2012-13.

UPPCL has been operating its power system under the Availability Based Tariff (ABT) regime. UPPCL has also procured power through UI route. In FY 2011-12, 2055.73 MU and 7243.55MU energy was procured through UI and Bilateral contracts/Open access/IEX/PEX route respectively and total charges of Rs. 5151.46 crore were paid against such purchases.

The average cost of energy from these sources was Rs. 5.47/kWh and Rs. 4.50/kWh respectively.

The power procurement rates from these sources for FY 2012-13 have been assumed (on the basis of actual up to July, 12 as Rs. 5.38/kWh and Rs. 3.94/kWh. Although the Hon'ble Commission has approved only 74,703 MU to be procured as against 83788 MU proposed (Petitioned) for FY 2012-13. The Hon'ble Commission did not approve any energy from Auraiya gas, Dadri Gas, Farakka & Kahalgaon (All NTPC power stations) in which UP has its share, allocated by NRPC, New Delhi. In same way from Lanco Anpara Ltd only 1112 MU and no energy from Bajaj Hindustan Ltd., IGSTPP, Jhajihar has been approved by the Hon'ble Commission.

On the contrary 31,190 MU and 1,468 MU energy has been approved from UPRVUNL & UPIVNL stations respectively. In the recent history of these companies, the state owned stations have never supplied such high levels of energy as these stations operate at barely 60% PLF.

The Hon'ble Commission has ignored this fact and has approved abnormally high levels of energy from state owned stations. As such stations are not being able to supply the levels of energy envisaged by the Hon'ble Commission, the UPPCL and Discoms are constrained to buy power through bilateral contracts/exchanges/short term contracts to maintain the desired schedule of supply. This holds true for power procurement from other long term sources.

It is humbly prayed to the Hon'ble Commission that this dilemma of the Petitioner may be considered and it may be allowed 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 distribution companies to claim FPPCA on such purchases and allow the variations in final truing up if any balance adjustment remains.

Considering the above, energy procurement of 2587 MU through bilateral contracts/exchanges/short term contracts has been projected for the ensuing year 2013-14 on the same rationale as discussed above. If any of the long term sources are unable to provide the desired quantum of power then the energy procurement from short term sources/bilateral/exchanges, etc may go up in the ensuing year 2013-14.

### 2.3 Statement of Power Procurement Plan

UPPCL in consultation with the distribution companies have prepared a load forecast for the ensuing year 2013-14. Sales growth for all the major categories in the state are projected taking into account historical sales growth rates, population growth, existing consumer base, pending application for connections, gross domestic product, industrial development, consumption patterns with respect to usage of electricity, hours of supply to rural and urban consumers, expected tariff, price elasticity, captive power generation, government's guidelines for supply hours and others. The load forecast approach used consists of developing sales forecast for individual zones and then aggregate these to obtain forecasts at the distribution company level and then for the entire UPPCL's system.

The above methodology was approved by UPERC also in its previous Tariff Orders. The forecast for the ensuing year 2013-14 has been prepared on the same methodology.

The next section presents a key set of assumptions and proposed methodology for developing the power procurement plan.



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### 3 ASSUMPTIONS USED IN POWER PROCUREMENT PLANNING

#### 3.1 Key Assumptions

The following assumptions are used for developing the power procurement plan:

Power Procurement Plan Period	:	FY 2013-14
Load Forecast	:	As per following Table 3-1
T&D Losses (%)	:	26.95%

Based on the above sales forecast (Executive summary), the monthly load for the period FY 2013-14 is given in Table 3-1.

Table3-1: Monthly Energy Forecast for the period FY-14

Month	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Procurement (MU)	7135	8007	8002	7887	7964	7362	7319	6543	6805	6943	6104	7103	87173

#### 3.2 Auxiliary Consumption:

The assumptions in respect of auxiliary consumption for the ensuing year for all units of UPRVUNL is taken from Multi Year Tariff (MYT) for Thermal Power Stations of U.P. Rajya Vidyut Utpadan Nigam Limited (UPRVUNL) for F.Y. 2009-10 to 2013-14 issued by UPERC dated 20<sup>th</sup> January, 11. Tables 3-2 and 3-3 indicate the auxiliary Consumption and projected Capacity Factors adopted of UPRVUNL and NTPC Plants respectively.

Table 3-2: Auxiliary Consumption & Projected Capacity Factor for UPRVUNL Stations for 2013-14

Station Name	Installed Capacity (MW)	Aux. Cons. (%)	Capacity Factor (annualised) (%)
Anpara A	630	8.50	79.73
Anpara B	1000	7.00	79.01
Harduaganj	165	10.50	46.56
Obra A	288	10.00	34.79
Obra B	1016	9.70	35.00
Panki	210	9.80	63.99
Paricha	220	10.70	47.08
Paricha Ext.	420	9.00	75.44
Paricha Ext. (2x250MW)	500	9.00	60.33
Harduaganj Ext. (2x250)	500	9.00	58.80
<b>Total</b>	<b>4949</b>		<b>57.06</b>

Table 3-3: Auxiliary Consumption & Projected Capacity Factor for NTPC Stations for 2013-14

Station Name	Auxiliary Consumption (%)	Net Capacity Factor (%)
Anta	3.00	84.57
Auriya	3.00	84.78



New Delhi, the 05<sup>th</sup> October, 2012..

OFFICE MEMORANDUM

Subject: - Scheme for Financial Restructuring of State Distribution Companies  
(Discoms)

A scheme for Financial restructuring of State Owned Discoms has been formulated and approved by the Government to enable the turnaround of the State Discoms and ensure their long term viability. The scheme contains measures to be taken by the State Discoms and State Government for achieving financial turnaround by restructuring their debt with support through a Transitional Finance Mechanism by Central Government.

2) The salient features of the Scheme for restructuring are as under:-

- a. (i) 50% of the outstanding short term liabilities (STL) as of March 31, 2012 to be taken over by State Governments. This shall be first converted into bonds to be issued by Discoms to participating lenders, duly backed by the State Government guarantee. The State Government will take over the liability during next 2-5 years by issuance of special securities in favour of participating lenders in a phased manner keeping in view the fiscal space available till the entire loan (50% of STL) is taken over by the State Government. The door to door maturity will not be more than 15 years with a moratorium of 3-5 years on the principal repayment.
  - (ii) The State Government would provide full support to the Discoms for repayment of interest and principal for this portion.
  - (iii) State Government would ensure that issuance of Special securities is within the targets prescribed in FRBM Acts of respective States and even if fiscal space including Debt-GSDP ratio under the FRBM targets is available, States need to remain with their respective Net Borrowing Ceilings (of each of the relevant fiscal) fixed annually as per the formula prescribed by the Thirteenth Finance Commission.
- b. Balance 50% of the STL will be rescheduled by lenders and serviced by the DISCOMS with moratorium of 3 years on principal. Repayment of Principal and Interest be fully secured by the State Government Guarantee. The best possible terms are to be extended for the rescheduled loans to improve viability of Discoms operations.
- c. The restructuring/rescheduling of loan is to be accompanied by concrete and measurable action by the Discoms/States to improve the operational

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A.K. Singh

...ance of the distribution utilities. State Government/Discoms have to commit themselves and carry out certain mandatory and recommendatory conditions as contained in part (C) of the Scheme.

d. A Transitional Finance Mechanism (TFM) by the Central Government in support of the restructuring effort is available, subject to fulfilment of mandatory conditions given in part C of the scheme. The TFM has the following features :-

- (i) For providing liquidity support by way of a grant equal to the value of the additional energy saved by way of accelerated AT&C loss reduction beyond the loss trajectory specified under RAPDRP (Restructured Accelerated Power Development and Reform Programme).
  - The eligibility of grant would arise only if the gap between ARR and ACS for the year has been reduced by at least 25% during the year judged against the benchmark for the year 2010-11.
  - This scheme would be available only for three years beginning 2012-13.
- (ii) Incentive by way of capital reimbursement support of 25% of principal repayment by the State Government on the liability taken over by the State Government under the scheme. The amount to be reimbursed only in case the State Government take-over the entire 50% of the short term liabilities (corresponding to the accumulated losses) outstanding as on 31.3.2012. Detailed guidelines for the Transitional Finance Mechanism as outlined above would be notified separately.
- e. For financing of operational losses and interest for the first 3 years on a diminishing scale, a separate arrangement would be worked out after due consultation to be held by Secretary, DFS with representatives of the MoP and the concerned States. Remaining portion of the operating losses will have to be financed by the respective State Government.
- f. A copy of the scheme is enclosed at Annexure I.

3. For monitoring the progress of the turnaround plan, two committees at State and Central levels respectively along with third party verifier are to be constituted as under:

- (i) The State Level Monitoring Committee (SLMC) would be headed by Chief Secretary or Finance Secretary. The Committee would review the progress on quarterly basis its reports to the Central Level Monitoring Committee (CLMC).
- (ii) The CLMC would comprise Member (Energy) of Planning Commission as Chairperson, Secretary (Power), Secretary (Financial Services) and Secretary (Economic Affairs), Ministry of Finance, representatives of three major lenders, RBI and CMDs of PFC and REC as members with Chairman, CEA as member secretary. CLMC would submit all the proposals received from States to avail the benefits for further consideration by the Distribution Division in the Ministry of Power.



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दिल्ली, भारत

A-K. Singh




(iii) Annual verification of the performance/ achievements of state Discoms shall be done through a third party appointed by Central Electricity Authority (CEA).

4. Support under the scheme will be available for all participating State Owned Discoms having accumulated losses and facing difficulty in financing operational losses. DFS would appoint nodal banks for States who wish to participate in the scheme. The states would then submit their Financial Restructuring Plan (FRP) prepared in consultation with the Nodal banks for approval of State Government and SERC. The Operational Framework Document is given in Annexure II.

5. The scheme will be effective from the date of issue of this order and would remain open upto 31<sup>st</sup> Dec 2012, or as extended by the Government of India, whichever is later.

6. Various departments/agencies of GOI under the scheme would be responsible as under:

S No	Department/ Ministry	Responsibility
I.	Ministry of Power	<ul style="list-style-type: none"><li>• Issue guidelines for Transitional Finance Mechanism in consultation with Ministry of Finance.</li><li>• Bring out draft model legislation on State Electricity Distribution etc. Responsibility bill, after due inter-ministerial consultation within a period of twelve months.</li><li>• Make provision for TFM in the Budget and to process claims received from States through CEA under TFM.</li></ul>
II.	Central Electricity Authority	<ul style="list-style-type: none"><li>• Appoint agencies for Third Party Verification and fixing their TOR.</li><li>• Constitute CLMC</li><li>• Work as secretariat for CLMC and process the applications for incentive.</li></ul>
III.	Department of Financial Services	<ul style="list-style-type: none"><li>• Appoint Nodal Banks for the State Discoms under the scheme</li><li>• Overall supervision in the finalization of the FRP for the State Discoms</li><li>• Work out a separate arrangement for financing operational losses for the first 3 years in consultation with MOP and concerned States.</li></ul>
IV.	Department of Economic Affairs	<ul style="list-style-type: none"><li>• Frame guidelines for issuance of bonds/ Spl securities by the Discoms/Governments under the scheme.</li></ul>
V.	Department of Expenditure	<ul style="list-style-type: none"><li>• Keep provisions for issue of bonds/Spl securities by the State Governments.</li><li>• Ensure that enough head room is left within the</li></ul>

  
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दिल्ली/रिया पार्क, नौरट

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VI.	RBI	<ul style="list-style-type: none"> <li>• overall borrowing powers and net borrowing ceiling for issue of special securities.</li> <li>• Advise on the rate of interest for bonds and securities.</li> </ul>
VII.	Planning Commission	<ul style="list-style-type: none"> <li>• FRP projections to be kept into account while finalizing the annual plans for the State Government.</li> <li>• Provide Plan outlay to the MOP for payment of incentive under the scheme.</li> </ul>

7. An empowered inter-ministerial group of Secretaries will be setup by the Ministry of Power for removal of difficulties in implementing the scheme. The recommendations of the Empowered Group of Secretaries will require the approval of the Minister of Power, in consultation with Ministry of Finance wherever necessary.

8. This issues with the approval of Competent Authority.

A. K. Singh  
(Arun Kumar Singh)  
Under Secretary to the Government of India  
Tele. No. 2371 9537  
5/10/2012

- To
1. Ministry of Finance, Deptt. of Expenditure (PF-I Section) (Shri Rajiv Kumar, Joint Secretary), North Block, New Delhi.
  2. Ministry of Finance, Deptt. of Expenditure (PF-II Section) (Shri Saurabh Garg, Joint Secretary), North Block, New Delhi.
  3. Planning Commission (Shri I.A. Khan, Adviser (Energy), Yojana Bhawan, New Delhi.
  4. Ministry of Finance, (Shri Anurag Jain, Joint Secretary), Department of Financial Services.
  5. Ministry of Finance, (Shri Prabodh Saxena, Joint Secretary), Department of Economic Affairs.
  6. Reserve Bank of India (Shri P. V. Bhaskar, Executive Director).

Copy to :

- (i) PS to MoP/MOS(P)
- (ii) PPS to Secretary(P)
- (iii) PPS to AS(DC)/PSO to AS(AL)
- (iv) PS to JS(DS) /PS to JS&FA/PPS to JS(RA)/PS to JS(SP)/PS to JS(IK)/PPS to JS(JA)
- (v) PS to Economic Advisor
- (vi) PPS to Chairman, CEA
- (vii) Controller of Accounts, Seva Bhawan.

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Under Secretary to the Government of India

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5/10/2012

Scheme for Turnaround of State Discoms

A. Preamble

Distribution provides the crucial last mile connectivity in the electricity sector. Unlike other two sectors – generation and transmission, distribution consumers are varied, numerous and disparate. The sector continues to be almost entirely served by the Government utilities in spite of unbundling of erstwhile vertically integrated board.

Post unbundling of the State Electricity Board, it was expected that the newly formed functional utilities would operate on sound commercial principles under the regulatory supervision of the State Electricity Regulatory Commissions. The functioning of the SERCs was expected to depoliticize tariff setting and bring about greater transparency in the functioning of the power utilities. However, due to a variety of factors, the desired outcome has not been achieved and after a decade of the one time settlement of outstanding dues, the distribution utilities find themselves again in a situation which has the potential of affecting not only the power sector but the financial sector as well. Many Discoms borrowed heavily for technical system strengthening for loss reduction and for managing growing loads thus assuming a greater financial burden than their revenues could support. This was compounded by increased borrowings for operational requirements, for meeting the rising cost of power procurement, disproportionate expenditure on short term power purchase and constraints imposed by State regulators. The deteriorating health of Discoms is affecting their ability to procure incremental power, commissioning of new generation capacity and the debt servicing of power producers. This may derail the capacity addition programme and could lead to a situation of stranded capacity on the one hand and dissatisfied consumers on the other.

The accumulated losses of the state power distribution companies are estimated to be about Rs 1.9 lakh crore. As per the Annual Report 2011-12 on *The Working of State Power Utilities and Electricity Departments* brought out by the Planning Commission, between 2007-08 to 2011-12 the overall unit cost of supply has increased by 21% with



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rest payment increasing 65% and power purchase by 21%. The share of expenditure on power purchase in the total cost of supply has increased from 39% in 1998-99 to 70% in 2009-10. Non-revision of tariffs, non-payment of subsidies, high cost of power purchase and high distribution losses are some of the key reasons for the poor financial health of the Discoms.

Further, there has been rapid decline in their net worth. The gap between Average Cost of Supply and Average Revenue realised has increased from 76 p/ kwh in the year 1998-99 to 145 p/kwh in the year 2009-10. The losses of power utilities pose a serious threat to fiscal consolidation of some states. The financial health of some of the states is also not good and has already breached the FRBM limits. The aggregate debt of SPU's has been increasing by a CAGR of more than 19% in the last 3 to 4 years.

1.2 Any turnaround strategy has to be based on the principle that gap between ARR and ACS is eliminated as early as possible. Liability to be taken over by State Government/ equity infusion by State Government, subsidy not to be funded by banks but to be provided in full by State Government as per the Electricity Act and Average DSCR to be atleast 1. The present scheme will require participation of all stakeholders. The scheme as detailed in following paragraphs has been prepared keeping in view the fragile health of utilities and State Government, coupled with serious systemic deficiencies in the working of State Discoms and underlying principles of turnaround as aforesaid. The scheme contains immediate/ continuing and short term measures required to be taken in a time bound manner by the Discoms and State Governments. These measures include Financial Restructuring, Tariff Setting & Revenue Realization, Subsidy, Metering, Audit & Accounts and Monitoring. ***Unless these measures are taken and States assume full responsibility of running the utilities on sound commercial principles, any turnaround of the state utilities may not be possible.***

State Governments being the owner of the Discoms will have to take a part of the burden of accumulated losses of the Discoms and the Financial Institutions (Including PFC & REC) and Banks will have to support the restructuring of debt by waiver of penal interest, moratorium on repayment of Principal and restructuring of existing loans. The

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eme also envisages a Transitional Finance Mechanism by Central Government to support the restructuring effort of the State Government and distribution utilities as outlined in FRP. The objective is to improve the liquidity position of the Discoms in the initial years by way of an incentive equal to the value of additional units of energy saved over and above the prescribed targets for AT&C reduction in RAPDRP and in the long term a turnaround support in redemption of bonds based on achieving pre-determined goals. Central Government support as incentive for accelerated reduction of AT&C losses and reimbursement of a part of the principal amount of State Government bonds is also considered in the scheme. The estimated financial implication of the incentive for accelerated AT&C loss reduction would be about Rs 1500 crore at an all India level for one percent reduction in losses over & above RAPDRP targets. The estimated financial implication post issuance of bonds/Spl Securities with moratorium of 5 years and repayment of 10 years by State Government would be about Rs 24,000 crore (approximately) on account of 25% of the principal value of State Govt Bonds.

**B. Scheme for issuance of bonds for Short term loans and payables corresponding to Accumulated Losses of the Discoms outstanding as on 31.03.2012.**

**2.1 Effective Date**

The scheme is effective from date of notification of the scheme and will remain open upto 31<sup>st</sup> Dec 2012 unless extended by the GOI. Support under the scheme will be available for all participating State owned Discoms on fulfilling certain mandatory conditions as outlined in Part C.

**2.2 Eligible amount**

The scheme covers 50% of the outstanding short term liabilities (on account of outstanding Short term loans and payables for power purchase) of the Discoms corresponding to the accumulated loss of the Discoms as on 31.03.2012.

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#### Cut off Date

The cut-off date for reckoning the eligible amount of short term liabilities for bonds/ reschedulement under the scheme shall be 31.03.2012.

#### 2.4 Waiver of Penal Interest

While restructuring/ rescheduling of loans, penal interest, if any, levied by banks/ FIs shall be waived and not included in the outstanding amount computed towards reschedulement or issuance of bonds.

#### 2.5 Issuance of Bonds by Discoms on behalf of State Government and Reschedulement of loans.

2.5.1 50% of the outstanding short term liabilities upto March 31, 2012 would be taken over by the State Government. Discoms would issue bonds to the participating lenders backed by State Government guarantee, which would be taken over by State Governments. As these bonds are on behalf of State Government the exact period of moratorium, rate of interest etc is to be decided by banks in consultation with participating States and RBI.

2.5.2 During the next 2to 5 years, the State Govt would take over this liability through issuance of special securities in favour of participating lenders in a phased manner as per the space available in the State FRBM limit, till the entire bonds corresponding to 50% of Short Term liability is taken over by the State Government. The door to door maturity should not be more than 15 years with a moratorium of 3 to 5 years for the principal. State Govt to ensure that issuance of Special securities to be within the targets prescribed in FRBM Acts of respective States and even if fiscal space including Debt-GSDP ratio under the FRBM targets is available. States need to remain with their respective Net Borrowing Ceilings (of each of the relevant fiscal) fixed annually as per the formula prescribed by the Thirteenth Finance Commission.



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2.5.3 The State Government will provide full support to the Discoms for repayment of interest and principal till the entire bonds corresponding to 50% STL is taken over by the Government. When these bonds are taken over by the State Govt, it should not be adjusted as loan from State Government to the Discoms. Phasing of bonds based on provisional figures is given in Annexure I. However, in case a State is able to find more fiscal space during any year, it should ensure that liabilities are taken over as soon as possible. The figures may undergo change on finalization of accounts. Accordingly the phasing of bonds would be done by Department of Expenditure.

2.5.4 Balance 50% short term liabilities shall be rescheduled and serviced by the Discoms with a moratorium of 3 years on principal and will be backed by a State Government guarantee. Exact terms and condition for restructuring would be decided by tenders in consultation with respective State Governments and Discoms keeping in view the specific circumstances of the state utilities.

2.5.5 Restructuring will be restricted to short term liabilities of the Discoms. Banks and Financial Institutions would extend fresh loans to the Discoms for the payables in respect of power supplies of more than 60 days as on 31.03.2012. Such Loans will also be included for the purpose of restructuring.

2.5.6 Short Term Liabilities for the purpose of this scheme means and includes Short term loans, working capital loans, payable to the power suppliers and includes other loans except for those loans taken for financing capital expenditure.

2.5.7 Banks and Financial Institutions to offer best possible terms of restructuring.

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5.8 For the purpose of restructuring, nodal bank shall be nominated by Department of Financial Services (DFS) for every state/Discoms to coordinate the restructuring exercise between Discoms, State Governments and participating lenders. The nodal bank shall finalise the FRP within 30 days after the announcement of the scheme and operationalise the restructuring with Discoms seeking the approval of the State Electricity Regulators. The restructuring shall be done under overall monitoring of DFS for effective implementation in a time bound manner.

## 2.6 Central Government Support

Although it is the primary responsibility of the State Government to manage the distribution sector through its utilities, Central Government support would enable the States to take over the outstanding short term liabilities as described above. Central Government would provide support in the following areas to the participating States under the scheme subject to fulfilment of mandatory conditions given in part C.

- Transitional Finance Mechanism to be set up by Ministry of Power in support of the restructuring effort of the State Government and the distribution utilities in respect of the following
  - a) (i) For providing incentive by way of a grant equal to the value of the additional energy saved by way of accelerated AT&C loss reduction beyond the loss trajectory specified under RAPDRP i.e. utilities having AT&C losses above 30% - Reduction by 3% per year and utilities having AT&C losses below 30% - Reduction by 1.5% per year, with the base year of 2010-11.
- (ii) The eligibility of grant would arise only if the gap between ARR and ACS for the year has been reduced by at least 25% during the year judged against the benchmark for the year 2010-11.



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(iii) This scheme would be available only for three years beginning 2012-13.

(iv) The base year for reduction of AT&C losses would be 2010-11 and the incentive would be provided only after the benchmark for 2010-11 has been established after final audit of the accounts by CAG. Subsequently, the incentive shall also be provided based on the audited annual accounts of the Discoms by CAG.

b) Reimbursement support of 25% of principal repayment of Bonds/Spl Securities issued by Discoms and taken over by State Government as outlined in the scheme as per Para 2.5. The amount to be reimbursed only in case the State Govt take-over the entire 50% of the short term liabilities corresponding to the accumulated losses outstanding as on 31.3.2012.

- Banks cannot provide short term loans for funding cash losses of Discoms. However, for financing operational losses and interest for the first three years on diminishing scale, a separate arrangement would be worked out in respect of focus States such as Rajasthan, Tamil Nadu, Haryana and Uttar Pradesh after due consultations to be held by Secretary, DFS with representatives of the MoP and the concerned States. Remaining portion of the operating losses to be financed by the respective State Govt. The same arrangement would be worked out in other States having similar problems.

### C. Mandatory Conditions

The proposed restructuring/rescheduledment of loans is to be accompanied by concrete and measurable action by the Discoms/States to improve the operational performance of the distribution utilities without which the proposed exercise may turn out to be a temporary measure. In order to make the effort meaningful State Governments/Discoms must commit themselves to and carry out certain mandatory conditions and consider other recommendatory measures to improve their functional



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efficiency, shore up their revenues and make the sector viable. It is also hoped that in future lending to the Discoms would be after a careful assessment of their credit worthiness, based on a credit rating mechanism. The conditions given in this part are mandatory and failure to adhere to these mandatory conditions would make State Govt and Discoms ineligible for any incentive or grant under the scheme.

### 3.1 Financial Restructuring Plan

- Preparation of Financial Restructuring Plan for the state Discoms and approval from the principal lenders.
- State Government shall convert all its loans to equity or defer the recovery of such loans along with interest till the loans rescheduled by banks/FIs are fully repaid.
- The restructuring of Short Term Liabilities (STL) will be done after netting the outstanding subsidy and energy bills due from State Govt to the Discoms, only where the net amount is positive. The State Government shall pay all its outstanding energy bills as of 31.03.2012 by 30.11.2012 and the utilities shall furnish a certificate to this effect by 31.12.2012 to CLMC through SLMC. In case the net STL is positive, subsidy shall be paid before 31.03.2013. In other cases subsidy shall be paid not later than 31.03.2015.
- FRP of Discoms of respective states is to be filed with state ERCs for in-principle approval.
- The State Government would ensure that Discoms eliminate the gap between ACS and ARR within the period of moratorium of the bonds issued by the State Government.
- State Government and Discoms not to resort short term loans from Banks/FIs to fund operational losses except as provided in the Scheme.
- Road map for involvement of private sector in state distribution sector through franchisee arrangements or any other mode of private participation to be prepared within a year by the Discoms and submitted to CEA for approval. This will be reviewed at State and Centre Level monitoring committees.

  
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## 2.2 Tariff Setting & Revenue Realization

- The Tariff order for 2012-13 should have been notified before the FRP is approved and for subsequent years should be notified by 30th April of each Financial year as per Model Tariff Regulation.
- APTEL judgment dated November 11, 2011 to be complied with by states and compliance report filed as per directions of APTEL.
- Fuel cost adjustment be allowed as directed by APTEL to off-set the increase in power procurement cost.
- SERC be requested to allow revised tariff with effect from 1<sup>st</sup> April of each year so that the impact of tariff revision is fully realized during the financial year.
- APTEL to be approached for recovery of expenditure disallowed by SERC which in the opinion of Discoms should have been allowed.
- The Discoms should submit a time bound plan for liquidation of regulatory assets along with its carrying costs and the same should be incorporated in their ARR petitions including true up petitions and approval obtained from the ERCs.
- State Government shall make a firm commitment to underwrite the shortfall as equity or interest free loan on annual basis if annual projections in FRPs are not achieved and provide the shortfall annually.
- FRP to include targets for progressive reduction in Short Term Power (STP) purchase by the State Discoms ranging between 5%-10% from 2013-14 onwards, as against the benchmark for the year 2010-11.

## 3.3 Subsidy

- Release of agricultural subsidy should be based on feeder/distribution transformer meter data. PFC will engage a third party agency to carry out random verification of the same and submit a report to the Central Monitoring Committee.

Subsidy should only be provided by the State Government as per declared policy and the amount of subsidy given by the State should be adjusted in the ARR on account of that specific category of consumers. As per section 65 of the



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Electricity Act subsidy should be paid upfront by the State Governments to the Discoms.

### 3.4 Metering

- Prepaid meters to be installed by 31.3.2013 for all Government consumers and large consumers (1 MW and above) where defaults have occurred. Depending on the number of such consumers and availability of meters, this time limit may be extended by the Central Level Monitoring Committee on recommendation of the State Level Monitoring Committee for reasons to be recorded in writing.
- A time bound plan for metering of all categories of consumers to be put in place and submitted to CLMC through SLMC. CEA will monitor the progress with respect to the plan. Discoms to submit six monthly progress reports to CEA in this regard.

### 3.5 Audit and Accounts

- Audited accounts for and up to FY 2010-11 must be finalized on top priority by 30.11.2012.
- Audited accounts for 2011-12 to be finalized by 31<sup>st</sup> January 2013 and brought in alignment with the provisions of Companies Act, 1956 by 2013.

### 3.6 Monitoring

- Monitoring Committee at State level to be setup for effective implementation of the scheme.
- FRP may be made part of the annual state budget statements for effective monitoring of its impact on State finances. States will enact the legislation within twelve months from the date of circulation of model legislation by Ministry of Power to mandate the compliance of the provisions of FRP.
- Lenders may appoint a Nominee Director on the Board(s) of the Discoms.
- To ensure the States take over the liability as given in Annexure-I of this scheme enough room should be left within the overall borrowing space for these bonds


  
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- while fixing the open market by the Department of Expenditure and RBI while chalking out the calendar of State Market Borrowings.
- Planning Commission should take into account these figures while approving the financing of the annual plans of these States.
  - The restructuring shall be done under overall monitoring of Department of Financial Services for effective implementation in a time bound manner.

### 3.7 Recommendatory conditions

- Achieving cost competitiveness through procurement of power through competitive bidding through Case-I and Case-II for which a time bound plan be prepared.
- Action plan be prepared for identifying and writing off fictitious receivables from the books of accounts of the Discoms.
- Working capital facility should be limited to purchase and discounting of bills in line with the recommendations of the Shunglu committee.
- Alternate source of raising cash to pay off debt i.e., sale of carbon credits, surplus land etc. to be explored.
- State Government may consider reviewing the performance of their generating assets as well as bigger substations in consultation with NTPC/NHPC/PGCIL to make them commercially viable.
- Open access in the distribution sector should be fully operationalized in keeping with the provisions in the Electricity Act and the National Tariff Policy and the legal opinion provided by the Attorney General of India and the Ministry of Law, Government of India.
- States should get the SERC to prepare and notify a road map for reduction in cross subsidy within six months from the date of approval of the proposed scheme.

  
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## 2. Monitoring Mechanism

4.1 For monitoring the progress of the turnaround plan, two committees at State and Central levels respectively are to be formed.

### 4.2 State Level Monitoring Committee (SLMC)

The State Level Monitoring Committee would be headed by Chief Secretary or Finance Secretary as Chairperson and Power Secretary as Member Secretary, Heads of Discoms and representatives of three major lenders of the Discoms, representative from RBI and CEA as members. The Committee would review the progress on quarterly basis till the turnaround of the State Discoms and will submit its reports to the Central Level Monitoring Committee. Subsequently, the SLMC will meet once every half year.

### 4.3 Central Level Monitoring Committee (CLMC)

The Central Level Monitoring Committee would comprise Member (Energy) of Planning Commission as Chairperson, Secretary (Power), Secretary (Financial Services) and Secretary (Economic Affairs), Ministry of Finance, representatives of three major lenders and RBI and CMDs of PFC and REC as members with Chairman, CEA as member secretary. The committee would meet on a quarterly basis till the turnaround of all state Discoms. Subsequently, the CLMC will meet every half year.

- CEA through Central Level Monitoring Committee would submit all the proposals received from States to avail the benefits under Transit Finance Mechanism for further consideration by the Distribution Division in the Ministry of Power.

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#### 4.4 Third Party Verification (TPV)

An annual verification of the performance achievements of state Discoms shall be done through a third party. The third party shall be appointed by the CEA who will fix its TOR.

#### 5.0 Objectives and Expected Outcomes

The objective of the proposed scheme is to enable the State Governments and the DISCOMs carve out a strategy for the financial turnaround of the distribution companies in the State power sector which will be enabled by the lenders agreeing to restructure/reschedule the existing short-term debt. As the restructuring/reschedulement by lenders is subject to certain prior steps to be taken by the State Government/DISCOMs and their commitment to fulfill mandatory conditions which are aimed at bridging the gap between the average cost of supply and the average revenue realized, this would help in restoring the viability of the distribution sector in the State. By restructuring and rescheduling the outstanding short-term debt the lenders would be able to avoid the impending possibility of the debt turning into non-performing asset and securing the commitment of the State Governments in the discharge of debt service obligation in the long-run. Government of India support through the transitional finance mechanism would serve the purpose of incentivizing the fulfillment of mandatory conditionalities as also providing confidence to the lenders.

The expected outcomes from the implementation of the proposed scheme would be:

- a. Providing comfort to the lenders by securing State takeover of and guarantee for debt,
- b. Bringing about financial discipline in the distribution sector in the State,
- c. Providing a commercial orientation to the functioning of the distribution companies,
- d. Casting responsibility on the State Government to ensure a steady flow of revenue to the distribution companies by improving the efficiency of their operations,
- e. Accelerate the AT&C loss reduction effort of DISCOMs.



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- f. Ensure regular redetermination of tariff to cover cost of service,
- g. Gradual elimination of the gap between ACS and ARR.
- h. Ensure timely audit of DISCOM accounts
- i. Improve the financial health of the Distribution Utilities to enable them to procure more electricity for meeting their growing demands.

#### 6.0 Contributions of Participating Entities

The implementation of the scheme and the attainment of the expected outcome would require the participating entities to make the following contributions:

- A) State Govt: The State Govt would make the following contributions:
- a. Conversion of State Govt Loans given to Discoms to equity.
  - b. Addition to State Fiscal deficit and market borrowings.
  - c. Takeover of bonds issued by Discoms equal to 50% of short term liabilities of Discoms corresponding to accumulated losses as on 31.03.2012 and providing support in payment of interest and repayment of principal till the date of takeover from Discoms.
  - d. All outstanding dues from Govt department to Discoms for supply of electricity to be paid before 30.11.2012. Amount of subsidy in arrears to be paid before 31.03.2013 where the net STL is positive, in other cases it is to be paid not later than 31.03.2015. In future prepaid meters to be installed in the Govt buildings.
  - e. Release subsidy in advance and based on feeder data.
  - f. Provide State Govt guarantee for loans/bonds to be raised/issued by Discoms.
  - g. Nominate lenders representative on the board of Discoms .
  - h. As owners of State Discoms undertake to make good the shortfall in projected turnover as per FRP.
  - i. Enact the legislation within twelve months from the date of circulation of model legislation by Ministry of Power to mandate the compliance of the provisions of FRP.
- B) State Discoms: The State Discoms would contribute the following :

  
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- a. Issue of bonds on behalf of State Govt equal to 50% of short term liabilities corresponding to accumulated losses as on 31.03.2012.
  - b. Finalization and audit of accounts upto the year 2011-12 of the Discoms before 31.01.2013.
  - c. Finalization and approval of FRP from lenders
  - d. Filing of tariff petition with SERC on time so that tariff order may be issued for the year in the month of April.
  - e. Liquidation of regulatory assets in a time bound manner.
  - f. Undertaking for not resorting to short term loans for funding operational losses except as provided in the scheme.
  - g. Appoint Lender's representative on the Board of Directors.
  - h. Work towards private participation in distribution of electricity.
  - i. Identification and provisioning of fictitious assets in the books of accounts.
  - j. Reduce T&D losses and increase collection efficiency to minimize AT&C losses.
- C) Banks and FIs : Banks and Financial Institutions to contribute the following:**
- a. Accept State Govt Bonds in lieu of debt service from the Discoms.
  - b. Rescheduling of principal repayment of Discoms loans.
  - c. Waiver of Penal Interest levied on Discoms, if any.
  - d. Not to provide short term loan for funding cash losses of Discoms except as provided in the Scheme.
  - e. Further lending to State Discoms be as per credit rating of the Discoms.
- D) Central Govt: The Central Govt would make the following contributions:**
- a. Incentive payment to Discoms for accelerated AT&C loss reduction and reimbursement support of 25% of principal repayment of State Govt bonds issued under the scheme to be finalized by Ministry of Power in consultation with Ministry of Finance.
  - b. For purpose of restructuring, Nodal Bank to be nominated by the Department of Financial Services for every State. The restructuring shall be done under the overall monitoring of DFS for effective implementation in a time bound manner.

मुख्य अधिकारिता (वाणिज्य)  
परिवर्तन विद्युत वितरण निगम लि०  
नियंत्रिका फार्म, गैरस

A. K. Singh

- c. For Financing the operational losses and interest for the first three years on diminishing scale, separate arrangement would be worked out after due consultations to be held by Secretary, DFS with representatives of the MoP and the concerned States. No funding of the losses will be done by the banks from 2015-16 onwards.
- d. On finalization of 2011-12 accounts, bond issue requirements of Discoms and the phasing shall be finalized in consultation with Department of Expenditure. Department of Expenditure shall fix the annual market borrowing limit keeping in mind the phasing so decided and the calendar should be decided accordingly.
- e. Planning Commission shall take into account these figures while approving the financing of the annual plans of these states.
- f. Ministry of Power to bring out draft model legislation on State Electricity Distribution etc. Responsibility bill, after due inter-ministerial consultation within a period of twelve months from the approval of the Scheme.

- E) Consumers The consumers of electricity would be benefited under the scheme with supply of reliable and quality power by the Discoms, more number of electricity units supplied and better services from the Discoms. However support of the consumers in the following area is required:
- a. Rationalisation of tariff to reflect the true cost of power supplied.
- b. Stringent measures for reduction in power theft
- c. Reallocation of subsidy for supply of electricity as per Subsidy policy of the State Govt.

A. K. Singh

✓  
मुख्य अधिकारी (वित्तियन)  
सूचना विभाग  
विद्युत विभाग  
नई दिल्ली

## Phasing of Spl Securities to be issued by the State Govt to the Discoms

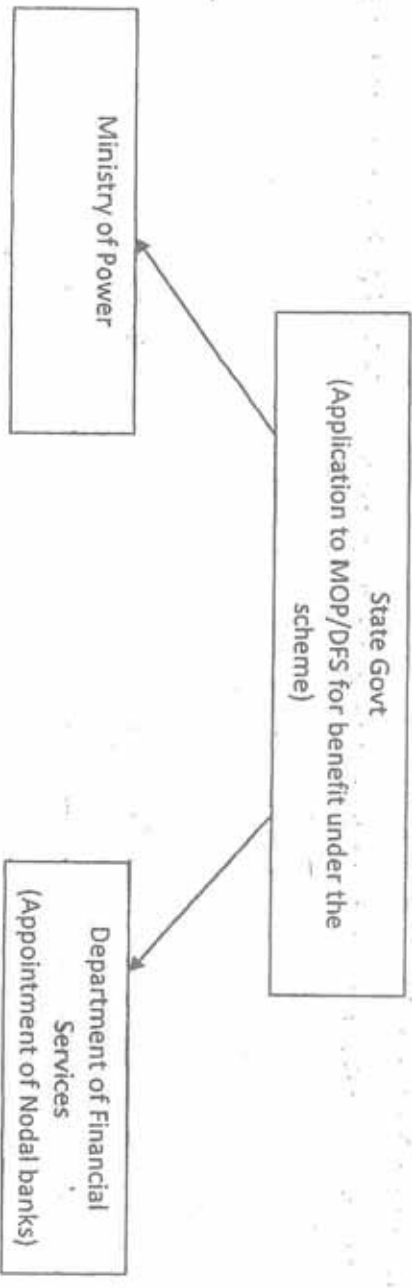
State	50% of STL	(Rs crore)					
		2012-13	2013-14	2014-15	2015-16	2016-17	
1 Andhra Pradesh	3151	2211	940				
2 Haryana	7859	2518	2496	2845			
3 Madhya Pradesh	585	72	513				
4 Punjab	5823	881	1004	1145	1305	1488	
5 Rajasthan	19855	2649	3496	3986	4544	5180	
6 Tamil Nadu	9573	884	2526	2880	3283		
7 Uttar Pradesh	12967	1919	2245	2559	2918	3326	
Total	59813	11134	13220	13415	12050	9994	

A. K. Singh

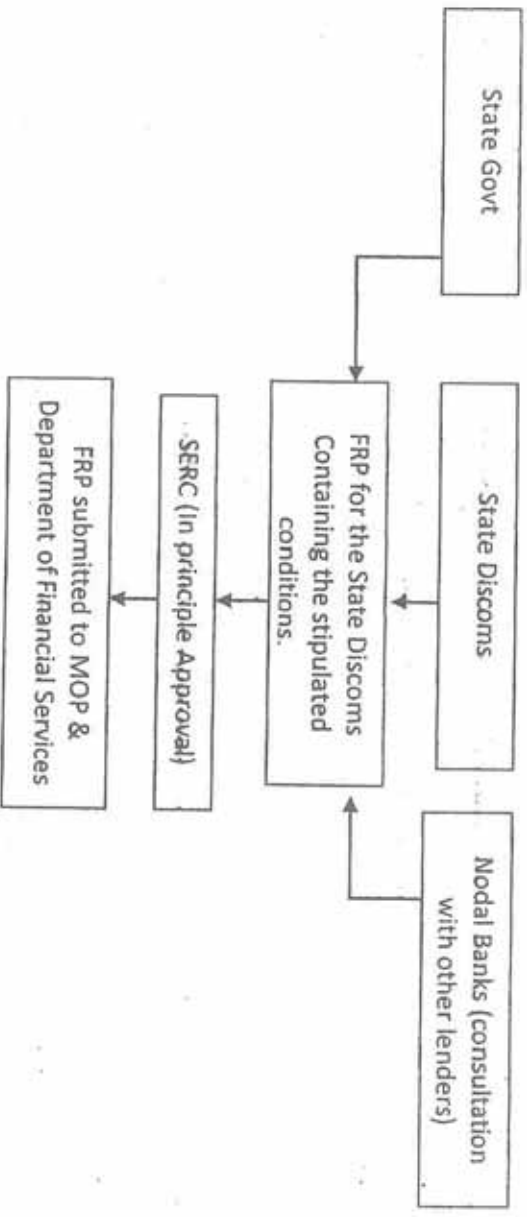
मुख्य अभियन्ता (वाणिज्य)  
परिवर्धित विद्युत वितरण निगम लि०  
दिल्ली

Operational Framework Document  
Financial Restructuring of State Discoms.

Application Stage



FRP preparation and Approval



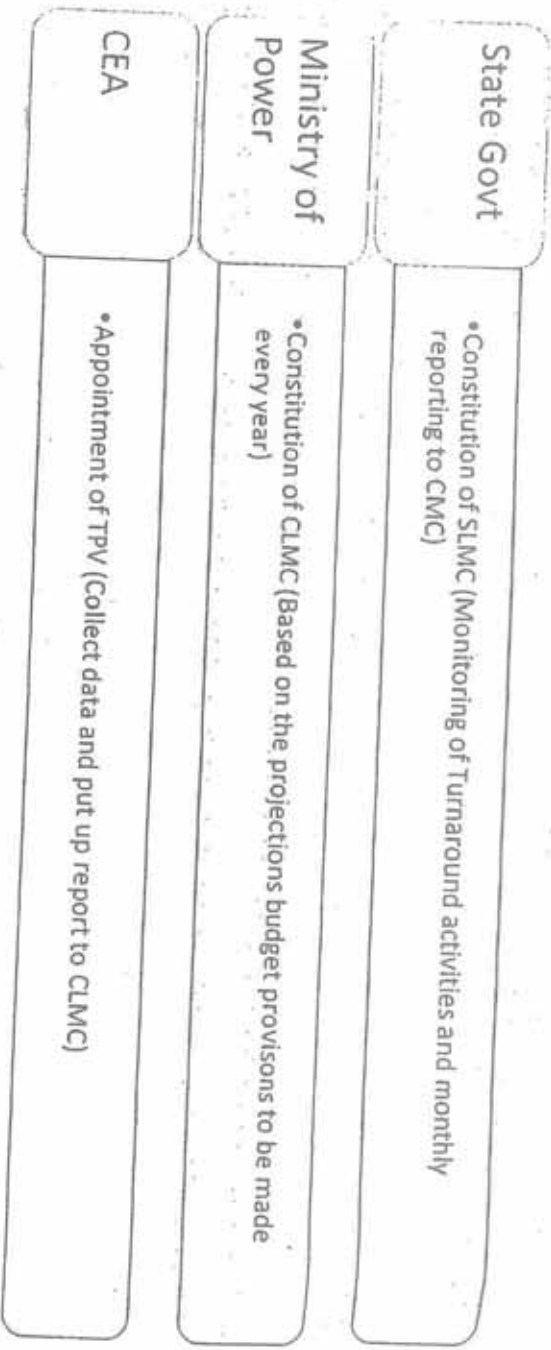
Other Activities

1. Signing of FRP – Acceptance of mandatory conditions and roadmap for recommendatory conditions
2. Approval by State/SERC.
3. Issue of bonds/Spl securities to lenders by Discoms/ State Govt.
4. Waiver of penal interest by lenders and restructuring of loans.

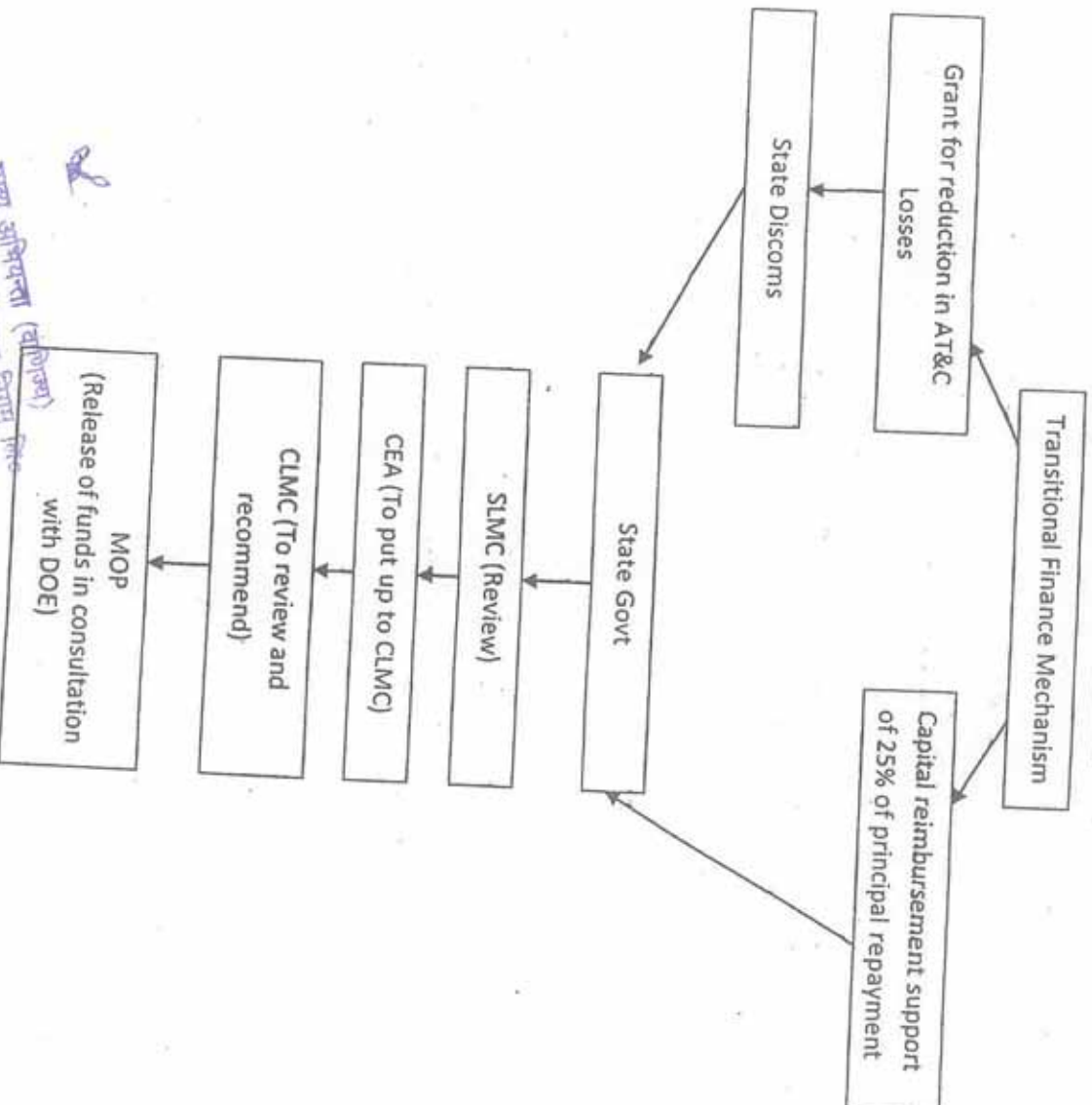
१४  
 मुख्य अधिकारता (वाणिज्य)  
 मुख्या विद्युत वितरण निगम लि०  
 परिसरमांचला विद्युत वितरण निगम लि०  
 चिन्टोरिया पार्क, नेरठ

A. K. Singh

Monitoring Setup



Claims under the Scheme



मुख्य अभियन्ता (व्यक्तिगत)  
मुख्य अभियन्ता विद्युत वितरण विभाग सिंधु  
परिचालन विभाग, नगर, मेरठ

A.K. Singh

15

# ANNUAL REVENUE REQUIREMENT PETITION

FOR FY 2013-14

## ANNEXURE - 4

### Tariff Filing Formats



PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED

MEERUT

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 2011-12
11	Sheet	F1 (a2)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2012-13
12	Sheet	F1 (a3)	Projected Consumer Numbers, Connected Load & Total Sale :FY 2013-14
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	F6	Employees' Cost & Provisions
20	Sheet	F6a	Employees' Cost & Provisions
20	Sheet	F6b	Retirement Pattern
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 Debts
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 2012-13 and FY 2013-14
34	Sheet	Additional Form	Capital Formation in FY 2012-13 and 2013-14
35	Sheet	T3	Revenue Assessment for FY 2012-13
36	Sheet	T4	Revenue Assessment at Current Tariff for FY 2013-14

  
 मुख्य अभियन्ता (दाफिण्ड)  
 पश्चिमांचल विद्युत वितरण निगम लि०  
 दिव्योरिया पार्क, भैरठ

## Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited


Form S-1

Profit & Loss Account				
S.No	Particulars	FY 2011-12	FY 2012-13	FY 2013-14
		Unaudited	Projected	Projected
<b>A</b>				
	Revenue			
1	Revenue from sale of power	6359.99	8660.05	10592.60
2	Other Non-tariff income	56.68	12.79	13.67
3	Revenue subsidies & grants	1031.21	1274.11	1374.58
	<b>Total Revenue or Income</b>	<b>7447.88</b>	<b>9946.95</b>	<b>11980.84</b>
<b>B</b>				
	Expenditure*			
1	Purchase of Power from own and State Generating Stations	6819.51	9669.76	10933.79
2	Purchase of Power from Other Sources	326.59	385.59	448.60
3	Intra-State Transmission Charges	169.59	189.13	200.99
4	Repairs and Maintenance	319.28	367.40	390.50
5	Employee costs	58.52	72.12	78.20
6	Administration and General expenses	4.93	-	-
7	Net prior period credit charges	1.87	36.73	40.97
8	Other Debits, Write-offs	-	-	-
9	Extraordinary items (specify items)	-	-	-
10	Reasonable Return	(151.04)	(65.93)	(70.30)
11	Less: Expenses Capitalized	-	-	-
	<b>Contingency Reserve</b>	<b>(101.36)</b>	<b>(707.85)</b>	<b>(41.90)</b>
	<b>PBDIT</b>			
	Less Depreciation and Related debits	146.94	172.28	193.58
		(248.30)	(880.13)	(235.47)
<b>E</b>				
	<b>PBIT</b>			
	Interest & Finance Charges	137.13	217.31	432.92
	2 Less: Interest Capitalized	-	(25.20)	(56.87)
	<b>Total Interest and Finance Charges</b>	<b>137.13</b>	<b>192.10</b>	<b>376.05</b>
<b>F</b>				
	<b>TOTAL EXPENDITURE</b>	<b>7833.32</b>	<b>11019.18</b>	<b>12592.36</b>
<b>G</b>				
	<b>Profit/Loss before Tax</b>	<b>(385.44)</b>	<b>(1072.23)</b>	<b>(611.52)</b>
<b>H</b>				
	<b>Profit/Loss before Tax</b>	<b>847.04</b>	<b>1002.34</b>	<b>1082.65</b>
<b>I</b>				
	Add: Allocation of Interest Charges and O&M of UPPCL			
<b>J</b>				
	<b>Profit/Loss after Tax</b>	<b>(1232.48)</b>	<b>(2074.57)</b>	<b>(1694.17)</b>

  
 मुख्य अधिकारी (वित्त)।  
 मुख्य अधिकारी विद्युत वितरण निगम लि०  
 पश्चिमोत्तर प्रदेश, गोरखपुर



Particulars	FY 2011-12	FY 2012-13	FY 2013-14
	Unaudited	Projected	Projected
<b>I. SOURCES OF FUNDS</b>			
<b>A) Shareholders' Funds</b>			
a) Share Capital	2,095.17	2,820.37	3,483.35
b) Reserves and Surplus	-	-	-
<b>B) Special Appropriation allowed towards Project Cost</b>			
<b>C) Loan Funds</b>			
a) Secured Loans			
b) Unsecured Loans	1,220.62	2,286.09	5,029.77
<b>D) Other sources of Funds</b>			
a) Capital contributions from consumers	1,054.79	1,258.80	1,458.80
b) Consumers' Security Deposits	763.45	812.64	866.33
c) Grants & Subsidies towards cost of capital	87.80	87.80	87.80
<b>TOTAL SOURCES OF FUNDS (A+B+C+D)</b>	<b>5,221.84</b>	<b>7,265.71</b>	<b>10,926.06</b>
<b>II. APPLICATION OF FUNDS</b>			
<b>A) Fixed Assets</b>			
a) Gross Block	5,779.74	6307.82	7274.36
less: Accumulated Depreciation	2,368.88	2541.16	2734.74
b) Net Block	3,410.86	3766.66	4539.63
c) Capital Work in Progress	203.85	792.11	1449.82
less: Assets written off till date			
<b>B) Investments (provide details seperately)</b>			
<b>C) Current Assets, Loans and Advances</b>			
i) Inventories	312.07	125.24	175.13
ii) Sundry Debtors	3,240.41	3,673.41	4,097.11
iii) Cash and Bank Balances	626.36	693.53	969.50
iv) Loans & Advances	289.18	289.18	289.18
iii) Other Current Assets	819.47	819.47	819.47
<b>D) less: Current Liabilities and other Provisions</b>			
i) Current Liabilities	7,206.36	8,457.72	8,630.83
ii) Provisions	1,676.80	1,713.53	1,754.51
<b>E) Net Current Assets</b>	<b>(3,595.68)</b>	<b>(4,570.44)</b>	<b>(4,034.94)</b>
<b>F) Miscellaneous Expenditure to the extent not written off or adjusted</b>	<b>5,202.81</b>	<b>7,277.38</b>	<b>8,971.55</b>
<b>TOTAL APPLICATION OF FUNDS</b>	<b>5,221.84</b>	<b>7,265.71</b>	<b>10,926.06</b>

  
 मुख्य अभियन्ता (धाणिभाग)  
 पश्चिमांचल विद्युत वितरण निगम लि०  
 बिक्रतोरीया पार्क, बरेल

Particulars	CY	EY
	Estimated	Projection
<b>A</b>		
Net Funds from Operations:		
Net (loss)/ profit before tax but after exceptional/ extra ordinary items	(880.13)	(235.47)
Adjustments for :		
Depreciation and amortization	172.28	193.58
Interest expenses		
Income from Investments		
(Profit ) / Loss on fixed asset sold		
Miscellaneous expenditures written off		
Deferred revenue expenditure written off		
Debits/advances written off		
Provision for bad and doubtful debts	36.73	40.97
Liability no longer required written back		
Provision for Gratuity and Leave Encashment		
Exceptional/ Extraordinary items Expenses/ (income )		
Diminution in value of investments		
<b>Operating profits before working capital changes</b>	<b>209.01</b>	<b>234.55</b>
Adjustment for changes in working capital		
(Increase)/ decrease in sundry debtors	(433.00)	(423.70)
(Increase)/ decrease in other receivables	-	-
(Increase)/ decrease in inventories	186.83	(49.89)
Increase /(decrease ) in in trade and other payables	249.02	(909.55)
<b>Cash generated from operations</b>	<b>(668.27)</b>	<b>(1,384.07)</b>
Taxes (paid)/ received (net of TDS)		
<b>Net cash from operating activities</b>	<b>(668.27)</b>	<b>(1,384.07)</b>
<b>B</b>		
Case flow from investing activities		
Purchase of fixed assets:		
Additions during the period	(1,116.33)	(1,624.26)
Capital work in progress:		
Additions during the period		
Proceeds from sale of fixed assets		
Proceeds from sale of investments		
Purchase of investments		
Interest received (revenue)		
<b>Net cash used in investing activities</b>	<b>(1,116.33)</b>	<b>(1,624.26)</b>
<b>C</b>		
Cash flow from financing activities		
Proceeds/(Repayments) of long term borrowings (net)	1,443.65	2,916.09
Equity from GoLP	725.20	662.98
Proceeds from consumers contribution and GoLP capital subsidy	204.01	200.00
Capital contribution from consumers and GoLP capital subsidy diminished		
Consumer security deposits	49.19	53.69
Repayment of borrowing	(378.18)	(172.41)
Interest paid on borrowing	(192.10)	(376.05)
Interest payment adjustment		
Restructuring reserve relating to transfer scheme 2000/2003		
Material cost variance adjustments		



मुख्य अभियन्ता (वाणिज्य)

पश्चिमोत्तर विद्युत वितरण निगम लि०

विक्टोरिया पार्क, भैरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited

Cash Flow Statement

Form No: S3

Particulars	CY	EY
	Estimated	Projection
Adjustment relating to Utranchal Power Corporation Limited		
Net cash generated from financing activities	1,851.77	3,284.31
Net increase / (decrease) in cash or cash equivalent (A+B+C)	67.17	275.98
Cash/ Cash equivalent as at the beginning of the year	626.36	693.53
Cash/ Cash equivalent as at the end of the year	693.53	969.50

मुख्य अधिकारता (संविधान)  
पश्चिमींचल विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, भैरठ

S.No	Particulars	FY 2011-12	FY 2012-13	FY 2013-14
		Un-audited	Estimated	Projected
	Power Purchase or Energy Available (MU)	22,648.64	24,492.81	26,372.49
	Sale of Power (MU)	16,368.27	18,212.39	20,384.41
	Loss %	27.73%	25.64%	22.71%
<b>1</b>	<b>Receipts</b>			
a	Revenue from tariffs & Miscell. Charges	6,359.99	8,660.05	10,592.60
b	Subsidy from Govt.	1,031.21	1,274.11	1,374.58
c	Debt Servicing by GoUP			
	<b>Total</b>	<b>7,391.20</b>	<b>9,934.16</b>	<b>11,967.18</b>
<b>2</b>	<b>Expenditure</b>			
a	Purchase of Power from Own Stations	6,819.51	9,669.76	10,933.79
b	Purchase of Power from Other Sources			
c	Intra-State Transmission Charges	326.59	385.59	448.60
d	R&M Expense	169.59	189.13	200.99
e	Employee Expenses	319.28	367.40	390.50
f	A&G Expense	58.52	72.12	78.20
g	Depreciation	146.94	172.28	193.58
h	Interest & Finance Charges	137.13	217.31	432.92
i	Less: Interest & other expenses capitalised	151.04	91.13	127.17
j	Other Debits (incl. Prov for Bad debts)	1.87	36.73	40.97
k	Extraordinary Items	-	-	-
l	Other (Misc.)-net prior period credit	4.93	-	-
	<b>Total</b>	<b>7,833.32</b>	<b>11,019.18</b>	<b>12,592.36</b>
3(i)	Reasonable Return	-	-	-
3(ii)	Contingency Reserve	-	-	-
4	Non tariff income	56.68	12.79	13.67
5	Annual Revenue Requirement (2)+(3)-(4)	7,776.64	11,006.39	12,578.70
6	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	(385.44)	(1072.23)	(611.52)
7	Add: Allocation of Interest Charges and O&M of UPPCL	847.04	1002.34	1082.65
	Surplus(+) / Shortfall(-) : (1)-(5) before tariff revision	(1232.48)	(2074.57)	(1694.17)
8	Tariff Revision Impact			
9	Surplus(+) / Shortfall(-) : (6)-(7) after tariff revision			

  
 महा अधीक्षक (वित्त/आ)।  
 नेपाल विद्युत वित्त निगम लि.  
 काठमाडौं, नेपाल

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited

Form No. 55

Information regarding amount of Equity & Loan

Sr. No.	Period	As on March 31 of previous year	As on March 31 of current year	As on March 31 of ensuing year
1	Amt. of Equity (Rs. in crores)	2,095.17	2,820.37	3,483.35
2	Amt. of Loan (Rs. in crores)	1,220.62	2,286.09	5,029.77
3	Debt Equity Ratio	172%	123%	69%



महानिदेशक (वित्त)।  
पश्चिम विद्युत वितरण निगम लि.  
पश्चिम प्रदेश, गोरखपुर।

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited

Form No: S6

Information regarding Working Capital

Sr. No.	Particulars	FY 2011-12	FY 2012-13	FY 2013-14
1	One month's O & M Expenses	45.62	52.39	55.81
2	One-twelfth of the sum of the book value of materials in stores at the end of each month of such financial year.	26.01	10.44	14.59
3	Receivables equivalent to 60 days average billing on consumers	1,060.00	1,443.34	1,765.43
	<b>Gross Total</b>	<b>1,131.62</b>	<b>1,506.17</b>	<b>1,835.84</b>
Less:				
1	Total Security Deposits by the Consumers reduced by Security Deposits under section 47(1)(b) of the Electricity Act 2003	763.45	812.64	866.33
	<b>Net Working Capital</b>	<b>368.17</b>	<b>693.53</b>	<b>969.50</b>
	Rate of Interest on Working Capital	12.50%	12.50%	12.50%
	<b>Normative Interest on Working Capital</b>	<b>46.02</b>	<b>86.69</b>	<b>121.19</b>

मुख्य अभियन्ता (वाणिज्य)  
मुख्य वित्त विद्युत वितरण निगम लि०  
पश्चिमोत्तर विद्युत वितरण पार्क, मेरठ

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
	unaudited	Estimated	Projection
Shareholders' Funds			
1 Share Capital	2,095.17	2,820.37	3,483.35
2 Reserves and Surplus			
Total Equity	2,095.17	2,820.37	3,483.35
Return as a % of Equity (16%)			

  
मुख्य अधिकारी (वित्तिय) विद्युत वितरण निगम लि:०  
दक्षिणमंचल विद्युत वितरण निगम लि:०  
दिल्ली-रिया पार्क, नैरट

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
	MU	MU	MU
<b>1 Purchase of Power</b>			
Power from own Stations (if any)			
Power from State Stations			
Power from Central Stations			
Power from Other Sources			
I.			
ii.			
iii.			
<b>Total Power Available</b>	22,649	24,493	26,372
<b>2 Energy Sales within the state</b>			
a) LT Sales			
b) HT Sales			
c) EHT Sales			
<b>Total Energy Sales</b>	16,368	18,212	20,384
<b>3 Distribution Loss</b>	27.73%	25.64%	22.71%
<b>4 Intra State Transmission Loss</b>	3.67%	3.67%	3.67%
<b>5 Net Energy Requirement for sale in state</b>			
<b>6 Energy available for inter state sale</b>			
<b>7 Inter State Transmission Loss</b>			
<b>8 Tradable Power</b>			



मुख्य अधिकार्या (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विद्योतरिया पार्क, गैरुड



Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited		Form No: S9	
Truing Up of past accounts			
S.No	Particulars	FY .....	
		Approved	Actual
	Power Purchase or Energy Available (MU)		
	Sale of Power (MU)		
	Loss %		
1	Receipts		
	a Revenue from tariffs & Miscell. Charges		
	b Subsidy from Govt.		
	Total		
2	Expenditure		
	a Purchase of Power from Own Stations		
	b Purchase of Power from Other Sources		
	c Intra-State Transmission Charges		
	d R&M Expense		
	e Employee Expenses		
	f A&G Expense		
	g Depreciation		
	h Interest & Finance Charges		
	i Less: Interest & other expenses capitalised		
	j Other Debts (incl. Prov for Bad debts)		
	k Extraordinary Items		
1	Other (Misc.)-net prior period credit		
	Total		
3	Reasonable Return		
4	Other Income		
5	Annual Revenue Requirement (2)+(3)-(4)		
6	Surplus(+)/ Shortfall(-) : (1)-(5) before tariff revision		
7	Tariff Revision Impact		
8	Surplus(+)/ Shortfall(-) : (6)-(7)after tariff revision		

True-up upto FY 2007-08 has already been filed before the Hon'ble Commission. Order is awaited

Note: Truing up exercise shall be restricted to only uncontrollable expenses

मुख्य अभियन्ता (दाणिज्य)  
पश्चिमांचल विद्युत वितरण निगम लि.  
दिल्ली-110001


SUPPLY TYPE	CATG.	MERIT DISCOM FY 2011-12	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)	
LMV--1	(A)	Consumer getting supply as per "Rural Schedule"	1,054,591	1,902,094	1,577	
	(i)	Un-metered	171,885	300,470	296	
	(ii)	Metered	1,982	99,314	144	
SUB TOTAL	(C1)	Other Metered Domestic Consumers	1,440,560	3,481,686	3,137	
	(C2)	Life-Line Consumers/BPL	149,091	145,139	169	
		<b>DOMESTIC LIGHT FAN &amp; POWER (L.MV-1)</b>	<b>2,818,109</b>	<b>5,928,703</b>	<b>5,323</b>	
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"	3,896	7,713	6	
	(i)	Un-metered	36,397	114,166	159	
	(ii)	Metered	16,922	39,551	31	
SUB TOTAL	(C)	Other Metered Non-Domestic Supply	274,009	696,491	801	
		<b>NON DOMESTIC LIGHT FAN &amp; POWER (L.MV-2)</b>	<b>331,224</b>	<b>857,921</b>	<b>997</b>	
	LMV--3	(A)	Un-metered Supply	243	516	1
(i)		Gram Panchayat	144	7,229	28	
(ii)		Nagar Palika & Nagar Panchayat	35	9,414	31	
SUB TOTAL	(B)	Metered Supply	16	499	0	
	(i)	Gram Panchayat	92	6,581	28	
	(ii)	Nagar Palika & Nagar Panchayat	226	19,198	64	
SUB TOTAL	(iii)	Nagar Nigam	10,863	58,653	179	
		<b>PUBLIC LAMPS (L.MV-3)</b>	<b>766</b>	<b>43,437</b>	<b>152</b>	
	LMV--4	(A)	Public Institution (4 A)	2,029	16,912	34
(B)		Private Institution (4 B)	12,892	75,565	213	
		<b>LIGHT, FAN &amp; POWER FOR PUB./PRIV. INST. (L.MV-4)</b>	<b>347,123</b>	<b>1,900,870</b>	<b>2,062</b>	
SUB TOTAL	(i)	Un-metered Supply	1,265	9,329	7	
	(ii)	Metered Supply	2,882	21,448	26	
	(i)	Metered Supply	351,270	1,931,647	2,095	
SUB TOTAL		<b>PRIVATE TUBE WELL/PUMPING SETS (L.MV-5)</b>	<b>7,804</b>	<b>62,451</b>	<b>83</b>	
	LMV--6	(A)	Small & Medium Power (Power Loom)	35,394	451,027	674
		(i)	Rural Schedule	2,161	23,534	32
(ii)		Urban Schedule	3,530	45,609	80	
SUB TOTAL	(B)	Small & Medium Power	7,804	62,451	83	
	(i)	Rural Schedule	35,394	451,027	674	
	(ii)	Urban Schedule	48,889	582,621	869	
SUB TOTAL		<b>SMALL &amp; MEDIUM POWER (L.MV-6)</b>	<b>190</b>	<b>5,097</b>	<b>12</b>	
	LMV--7	(A)	Rural Schedule	190	5,097	12
		(i)	Jal Nigam	79	1,593	2
(ii)		Jal Sanshan	211	6,151	11	
SUB TOTAL	(B)	Others (Water Works)	105	5,236	17	
	(i)	Jal Nigam	93	2,599	10	
	(ii)	Jal Sanshan	1,812	58,229	184	
SUB TOTAL	(iii)	Others (Water Works)	2,490	78,905	235	
		<b>PUBLIC WATER WORKS (L.MV-7)</b>	<b>161</b>	<b>2,319</b>	<b>12</b>	
	LMV--8	(A)	Metered Supply	4,534	61,030	196
(i)		Un-metered Supply	68	536	0	
(ii)		STW, Panchayat Raj WB I, Duch P.C, L I upto 100 BHP	4,763	63,885	209	
SUB TOTAL	(A)	Metered Supply	1,764	52,206	56	
	(i)	Individual Residential Consumers	-	-	-	
	(ii)	Others	22	222	0	
SUB TOTAL	(B)	Un-metered Supply	-	-	-	
	(i)	Ceremonies	-	-	-	
	(ii)	Temporary Shops	1,786	52,428	56	
SUB TOTAL		<b>TEMPORARY SUPPLY (L.MV-9)</b>	<b>4,030</b>	<b>13,815</b>	<b>14</b>	
	LMV--10	(A)	Serving	6,424	22,391	27
		(i)	Class IV Employees	615	2,545	4
(ii)		Class III Employees	281	1,204	3	
SUB TOTAL	(iii)	Junior Engineers & Equivalent	-	-	-	
	(iv)	Assistant Engineers & Equivalent	-	-	-	

मुख्य अधिकारी (वित्त) की

मुद्रा और पत्रिका (वित्त) की

मुद्रा और पत्रिका (वित्त) की

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2011-12	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MT)
	(v)	Executive Engineers & Equivalent	164	791	2
	(vi)	Deputy General Manager & Equivalent	31	147	0
	(vii)	CGM/GM & Equivalent posts and above	10	40	0
	(B)	Total Pensioner & Family Pensioner	9,661	30,367	54
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (DMV-10)</b>	<b>21,216</b>	<b>71,300</b>	<b>104</b>
<b>HV--1</b>	(A)	Urban Schedule			
	(i)	For supply at 11kV	395	143,716	253
	(ii)	For supply at 33 kV & above	12	29,788	160
	(B)	Rural Schedule			
	(i)	For supply at 11kV	2	450	187
	(ii)	For supply at 33 kV & above	13	53,778	115
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>422</b>	<b>237,732</b>	<b>714</b>
<b>HV--2</b>	(A)	Urban Schedule			
	(i)	For supply at 11kV	4,759	1,431,195	2,681
	(ii)	For supply above 11kV and upto & Including 66kV	338	644,638	2,067
	(iii)	For supply above 66kV and upto & Including 132kV	2	16,830	77
	(iv)	For supply above 132kV	1	27,084	165
	(B)	Rural Schedule			
	(i)	For supply at 11kV	3	366	20
	(ii)	For supply above 11kV and upto & Including 66kV	2	21,000	7
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75 KW) (HV-2)</b>	<b>5,105</b>	<b>2,141,113</b>	<b>5,017</b>
<b>HV--3</b>	(A)	For supply at and above 132kV	2	7,700	25
	(B)	For supply below 132kV	-	-	4
	(C)	For Delhi Metro Rail	1	9,000	17
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>	<b>3</b>	<b>16,700</b>	<b>46</b>
<b>HV--4</b>	(A)	For supply at 11kV	3	311	0
	(B)	For supply above 11kV and upto 66kV	2	-	-
	(C)	For supply above 66kV and upto 132kV	-	-	-
<b>SUB TOTAL</b>		<b>LETT IRRIGATION &amp; P.C. ABOVE 100 BHP (75KW) (HV-4)</b>	<b>2</b>	<b>311</b>	<b>0</b>
<b>EXTRA STATE</b>	(A)	EXTRA STATE & OTHERS	-	-	-
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>BULK</b>	(A)	NPCL	1	45,000	337
	(B)	KESCO	-	-	-
<b>SUB TOTAL</b>		<b>BULK SUPPLY</b>	<b>1</b>	<b>45,000</b>	<b>337</b>
<b>GRAND TOTAL</b>			<b>3,598,928</b>	<b>12,117,268</b>	<b>16,368</b>

  
 मुख्य अधिकार्या (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विकस्योरिया पार्क, मेरठ

SUPPLY TYPE	CATG.	MERET DISCOM FY 2012-13	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
LMV-1	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	1,154,870	2,145,856	1,854
	(ii)	Metered	185,636	341,581	285
LMV-2	(B)	Supply at Single Point for Bulk Load	2,002	100,307	136
	(C1)	Other Metered Domestic Consumers	1,613,427	3,919,207	3,250
	(C2)	Life Line Consumers/BPL	164,000	237,072	171
<b>SUB TOTAL</b>		<b>DOMESTIC LIGHT FAN &amp; POWER (LMV-1)</b>	<b>3,119,935</b>	<b>6,744,022</b>	<b>5,696</b>
LMV-2	(A)	Consumer getting supply as per "Rural Schedule"			
	(i)	Un-metered	3,896	8,357	7
	(ii)	Metered	40,037	125,583	159
LMV-3	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	18,953	57,058	42
	(C)	Other Metered Non-Domestic Supply	290,348	738,023	781
		<b>NON DOMESTIC LIGHT FAN &amp; POWER (LMV-2)</b>	<b>350,244</b>	<b>929,620</b>	<b>989</b>
LMV-3	(A)	Un-metered Supply			
	(i)	Gram Panchayat	272	1,322	5
	(ii)	Nagar Palika & Nagar Panchayat	144	7,229	31
LMV-4	(B)	Metered Supply	37	9,885	43
	(i)	Gram Panchayat	18	566	2
	(ii)	Nagar Palika & Nagar Panchayat	101	8,581	33
LMV-5	(iii)	Nagar Nigam	253	21,502	83
		<b>PUBLIC LAMPS (LMV-3)</b>	<b>825</b>	<b>49,085</b>	<b>197</b>
	(A)	Public Institution(4 A)	12,167	65,691	183
LMV-6	(B)	Private Institution(4 B)	2,130	17,856	33
		<b>LIGHT FAN &amp; POWER FOR PUB./PRIV. INST.(LMV-4)</b>	<b>14,297</b>	<b>83,547</b>	<b>216</b>
	(A)	Rural Schedule			
LMV-7	(i)	Un metered Supply	367,950	2,014,922	2,216
	(ii)	Metered Supply	1,429	10,542	8
	(B)	Urban Schedule			
LMV-8	(i)	Metered Supply	3,008	22,385	36
		<b>PRIVATE TUBE WELLS/PUMPING SETS (LMV-5)</b>	<b>372,388</b>	<b>2,047,849</b>	<b>2,260</b>
	(A)	Small & Medium Power (Power Loom)			
LMV-9	(i)	Rural Schedule	2,183	23,769	30
	(ii)	Urban Schedule	3,565	51,289	81
	(B)	Small & Medium Power			
LMV-10	(i)	Rural Schedule	8,819	75,403	92
	(ii)	Urban Schedule	38,748	493,768	721
		<b>SMALL &amp; MEDIUM POWER UPTO 100 HP (75) (LMV-6)</b>	<b>53,314</b>	<b>644,230</b>	<b>923</b>
LMV-7	(A)	Rural Schedule			
	(i)	Jal Nigam	213	5,709	13
	(ii)	Jal Sanshan	88	1,791	4
LMV-8	(iii)	Others (Water Works)	232	7,166	17
	(B)	Urban Schedule			
	(i)	Jal Nigam	119	6,909	29
LMV-9	(ii)	Jal Sanshan	94	2,625	10
	(iii)	Others (Water Works)	2,048	65,799	208
		<b>PUBLIC WATER WORKS(LMV-7)</b>	<b>2,794</b>	<b>89,998</b>	<b>281</b>
LMV-8	(A)	Metered Supply	169	2,435	13
	(B)	Un-metered Supply			
	(i)	STW, Panchayat Raj WB/IDuch P.C. LI upto 100 BHP	4,712	63,429	201
LMV-9	(ii)	State Tube Wells & Pumps Canal upto 100 HP(LMV-8)	77	899	3
	(A)	Metered Supply	4,958	66,763	218
	(i)	Individual Residential Consumers	1,993	58,993	59
LMV-10	(ii)	Others	-	-	-
	(B)	Un-metered Supply			
	(i)	Ceremonics	25	494	1
LMV-10	(ii)	Temporary Shops	-	-	-
	(A)	Serving	2,018	59,486	59
	(i)	Class IV Employees	4,391	15,481	14
LMV-10	(ii)	Class III Employees	6,681	23,287	28
	(iii)	Junior Engineers & Equivalent	640	2,647	4
	(iv)	Assistant Engineers & Equivalent	292	1,252	3

मुख्य अभियन्ता (शांतिपुर) २९२

प्रशिक्षणार्थक विद्युत वितरण निगम लि०

SUPPLY TYPE	CATG.	MEERUT DISCOM FY 2012-13	CONSUMER (NUMBERS)	CONNECTED LOAD (KW)	PROJECTED BILLED ENERGY (MU)
	(v)	Executive Engineers & Equivalent	171	823	2
	(vi)	Deputy General Manager & Equivalent	32	156	0
	(vii)	CGM/GM & Equivalent posts and above	10	50	0
	(B)	Total Pensioner & Family Pensioner	10,416	32,739	53
<b>SUB TOTAL</b>		<b>DEPARTMENTAL EMPLOYEES (D.M.V-10)</b>	<b>22,633</b>	<b>76,434</b>	<b>105</b>
<b>HV--1</b>	(A)	Urban Schedule			
	(i)	For supply at 11kV	411	149,465	327
	(ii)	For supply at 33 kV & above	12	30,980	166
	(B)	Rural Schedule			
	(i)	For supply at 11kV	2	468	194
	(ii)	For supply at 33 kV & above	14	55,929	132
<b>SUB TOTAL</b>		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>439</b>	<b>236,841</b>	<b>819</b>
<b>HV--2</b>	(A)	Urban Schedule			
	(i)	For supply at 11kV	5,187	1,560,003	3,326
	(ii)	For supply above 11kV and upto & Including 66kV	368	702,655	2,347
	(iii)	For supply above 66kV and upto & Including 132kV	2	18,008	101
	(iv)	For supply above 132kV	1	28,438	173
	(B)	Rural Schedule			
	(i)	For supply at 11kV	3	384	36
	(ii)	For supply above 11kV and upto & Including 66kV	2	23,100	82
<b>SUB TOTAL</b>		<b>LARGE &amp; HEAVY POWER ABOVE 100 BHP (75kW) (HV-2)</b>	<b>5,564</b>	<b>2,332,589</b>	<b>6,066</b>
<b>HV--3</b>	(A)	For supply at and above 132kV	2	8,470	27
	(B)	For supply below 132kV	-	-	-
	(C)	For Delhi Metro Rail	-	-	-
<b>SUB TOTAL</b>		<b>RAILWAY TRACTION (HV-3)</b>			
<b>HV--4</b>	(A)	For supply at 11kV	2	17,470	44
	(B)	For supply above 11kV and upto 66kV	2	311	0
	(C)	For supply above 66kV and upto 132kV	-	-	-
<b>SUB TOTAL</b>		<b>LFT IRRIGATION &amp; P C ABOVE 100 BHP (75kW) (HV-4)</b>	<b>2</b>	<b>311</b>	<b>0</b>
<b>EXTRA STATE</b>	(A)	EXTRA STATE & OTHERS	-	-	-
<b>SUB TOTAL</b>		<b>EXTRA STATE CONSUMERS</b>			
<b>BULK</b>	(A)	NPCL	1	45,000	337
	(B)	KESCO	-	-	-
<b>SUB TOTAL</b>		<b>BULK SUPPLY</b>	<b>1</b>	<b>45,000</b>	<b>337</b>
<b>GRAND TOTAL</b>			<b>3,952,404</b>	<b>13,422,645</b>	<b>18,212</b>

मुख्य अभियन्ता (वाणिज्य)  
परिष्कारित विद्युत वितरण निगम लिमिटेड  
शिवपुरिया पार्क, भैरठ

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"	1,264,684	2,349,901	2,030
	(i)	Un-metered	200,487	368,907	346
SUB TOTAL	(B)	Supply at Single Point for Bulk Load	2,022	101,310	147
	(C1)	Other Metered Domestic Consumers	1,807,038	4,389,511	3,942
	(C2)	Life Line Consumers/BPL	180,400	260,779	209
SUB TOTAL	(A)	DOMESTIC LIGHT FAN & POWER (LMV-1)	3,454,631	7,470,408	6,675
LMV--2	(A)	Consumer getting supply as per "Rural Schedule"	3,896	8,357	7
	(i)	Un-metered	44,040	138,141	193
SUB TOTAL	(B)	Private Advertising/Sign Post/Sign Board/Glow Sign/Flex	21,227	63,905	50
	(C)	Other Metered Non-Domestic Supply	307,662	782,031	901
SUB TOTAL	(A)	NON DOMESTIC LIGHT FAN & POWER (LMV-2)	376,825	992,434	1,151
LMV--3	(i)	Gram Panchayat	305	1,480	5
	(ii)	Nagar Palika & Nagar Panchayat	144	7,229	31
	(iii)	Nagar Nigam	39	10,379	45
SUB TOTAL	(B)	Metered Supply	20	654	3
	(i)	Gram Panchayat	111	9,439	41
	(ii)	Nagar Palika & Nagar Panchayat	283	24,082	100
SUB TOTAL	(A)	PUBLIC LAMPS (LMV-3)	902	53,244	225
LMV--4	(A)	Public Institution(4 A)	13,627	73,574	226
	(B)	Private Institution(4 B)	2,237	18,749	38
SUB TOTAL	(A)	LIGHT FAN & POWER FOR PUB./PRIV. INST. (LMV-4)	15,864	92,323	264
LMV--5	(A)	Rural Schedule	390,027	2,135,818	2,349
	(i)	Un metered Supply	1,615	11,912	9
SUB TOTAL	(B)	Urban Schedule	3,139	23,362	38
	(i)	Metered Supply	394,782	2,171,092	2,396
SUB TOTAL	(A)	PRIVATE TUBE WELL/PUMPING SETS (LMV-5)	2,204	24,007	34
LMV--6	(i)	Rural Schedule	3,601	51,802	91
	(B)	Small & Medium Power	9,965	85,206	116
SUB TOTAL	(i)	Rural Schedule	42,420	540,559	856
	(ii)	Urban Schedule	58,190	701,574	1,097
	(A)	SMALL & MEDIUM POWER UPTO 100 HP (75) (LMV-6)	238	6,394	15
LMV--7	(i)	Jal Nigam	99	2,006	5
	(ii)	Jal Sansthan	255	7,883	19
	(B)	Others (Water Works)	134	7,807	33
SUB TOTAL	(i)	Jal Sansthan	95	2,651	10
	(ii)	Jal Nigam	2,314	74,353	235
	(iii)	Others (Water Works)	3,135	101,093	316
SUB TOTAL	(A)	PUBLIC WATER WORKS(LMV-7)	1,78	2,557	14
LMV--8	(A)	Metered Supply	4,897	65,923	209
	(i)	Un-metered Supply	87	1,016	4
SUB TOTAL	(ii)	STW, Panchayat Raj WB LDuch P.C. L.I upto 100 BHP	2,252	66,662	72
	(i)	Laghu Dal Nahar above 100 BHP	28	556	1
LMV--9	(A)	STATE TUBE WELLS & PUMPS CANAL UPTO 100 HP(LMV-8)	5,162	69,495	227
	(i)	Metered Supply	2,252	66,662	72
SUB TOTAL	(ii)	Individual Residential Consumers	28	556	1
	(B)	Un-metered Supply	-	-	-
SUB TOTAL	(i)	Ceremonies	2,280	67,218	73
	(ii)	Temporary Shops	-	-	-
SUB TOTAL	(A)	TEMPORARY SUPPLY (LMV-9)	2,280	67,218	73
LMV--10	(i)	Serving	4,785	16,869	17
	(ii)	Class IV Employees	6,948	24,218	32
	(iii)	Junior Engineers & Equivalent	665	2,753	4
	(iv)	Assistant Engineers & Equivalent	304	1,302	3
	(v)	Executive Engineers & Equivalent	177	856	3
	(vi)	Deputy General Manager & Equivalent	34	162	0
SUB TOTAL	(B)	CGM/GM & Equivalent posts and above	11	52	0
	(vii)	Total Pensioner & Family Pensioner	11,229	35,297	63
SUB TOTAL	(A)	DEPARTMENTAL EMPLOYEES (LMV-10)	24,151	81,509	123
HM--1	(A)	Urban Schedule	427	155,413	340

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	2	487	202
		(ii) For supply at 33 kV & above	14	58,166	137
		<b>NON INDUSTRIAL BULK LOADS (HV-1)</b>	<b>456</b>	<b>246,315</b>	<b>852</b>
SUB-TOTAL	(A)	Urban Schedule			
		(i) For supply at 11kV	5,654	1,700,403	3,625
		(ii) For supply above 11kV and upto & including 66kV	402	765,894	2,558
		(iii) For supply above 66kV and upto & including 132kV	2	19,269	109
		(iv) For supply above 132kV	1	29,860	182
	(B)	Rural Schedule			
		(i) For supply at 11kV	3	404	38
		(ii) For supply above 11kV and upto & including 66kV	2	25,410	91
SUB-TOTAL	(A)	LARGE & HEAVY POWER ABOVE 100 BHP (75 KW) (HV-2)	6,065	2,541,239	6,602
	(B)	For supply at and above 132kV	2	9,317	30
	(C)	For supply below 132kV	-	-	-
	(C)	For Delhi Metro Rail	-	-	-
SUB-TOTAL		<b>RAILWAY TRACTION (HV-3)</b>			
	(A)	For supply at 11kV	2	18,317	47
	(B)	For supply above 11kV and upto 66kV	2	311	0
	(C)	For supply above 66kV and upto 132kV	-	-	-
	(C)	For supply above 66kV and upto 132kV	-	-	-
SUB-TOTAL	(A)	LIFT IRRIGATION & P.C ABOVE 100 BHP (75KW) (HV-4)	2	311	0
	(A)	EXTRA STATE & OTHERS	-	-	-
EXTRA STATE		EXTRA STATE CONSUMERS	-	-	-
BULK	(A)	NPCL	1	45,000	337
	(B)	KESCO	-	-	-
SUB-TOTAL		<b>BULK SUPPLY</b>	<b>1</b>	<b>45,000</b>	<b>337</b>
		<b>GRAND TOTAL</b>	<b>4,342,452</b>	<b>14,651,572</b>	<b>20,384</b>

मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विन्डोरोया पार्क, नैरट





	Particulars	FY 2011-12	FY 2012-13	FY 2013-14
		Unaudited	Projection	Projection
<b>A</b>	<b>Income from Investment</b>			
1	Interest Income from Investments			
2	Interest on fixed deposits			
3	Interest from Banks other than Fixed Deposits	7.77	8.45	9.02
4	Interest on (any other items)	0.47	0.51	0.55
	<b>Sub-Total (A)</b>	<b>8.24</b>	<b>8.96</b>	<b>9.57</b>
<b>B</b>	<b>Non Tariff Income</b>			
1	Interest on loans and Advances to staff	0.12	0.13	0.14
2	Interest on Loans and Advances to Licensee			
3	Interest on Loans and Advances to Lessors			
4	Interest on Advances to Suppliers / Contractors	3.17	3.44	3.68
5	Income from Trading			
6	Gain on Sale of Fixed Assets			
7	Miscellaneous receipts	0.24	0.26	0.28
8	Delayed payment charges from consumers	44.91		
9	Meter Rent			
10	Recovery from theft of energy			
11	Wheeling charges			
12	Misc. charges from consumers			
13	Income from Other Business			
14	Contract Demand Violation Charges			
15	Less: Rebate for supply at higher voltage			
16	Less: Any other rebates			
	<b>Sub-Total (B)</b>	<b>48.43</b>	<b>3.83</b>	<b>4.10</b>
	<b>Total</b>	<b>56.68</b>	<b>12.79</b>	<b>13.67</b>

मुख्य अभियन्ता (व्यक्तिगत)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
बिन्दौरिया पार्क, मेरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited																
Details of Monthly Electricity Purchases from different Generating Stations - FY 2011-12														Form No: F4g		
MONTH	Plant Capacity	UTILITY'S SHARE		Availability of Generating Station	Total Fixed or Capacity Charges	ESO by Generator	Energy Share to be received by the utility (Deducting auxiliary consumption )	Energy Units received by utility at its periphery (After deducting inter state/intra state transmission losses )	Fixed or Capacity charges to be paid by the utilities	Var Charges/En ergy Charges to be paid by the utilities	Incentive to generating stations (if any)	Transmission /Wheeling Charges (inter state/intra state )	Any other charges	Avg cost of energy at gen bus bar	Avg cost of energy recd at interface point of the utility	
		MW	MW													%
1	2	3	4		5	6	7	8	9	10	11	12	13	14	15	16
April																
May																
June																
July																
August																
September																
October																
November																
December																
January																
February																
March																
<b>TOTAL</b>									<b>26372.49</b>							
Arrear Bills for the past period due to revision of energy account/ tariff revision																
<b>Total Cost</b>																

मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विक्टोरिया पार्क, मेरठ

मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विक्टोरिया पार्क, मेरठ

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
Sl.No	Name of the transmission system	Capacity of the transmission system	Energy Wheeled through the transmission system	Maximum Demand imposed by the distribution licensee on the transmission system	Transmission capacity aloted to the distribution licensee	Transmission charges	Other charges	Total Charges	Transmission charges/unit
		MVA	(MU)	MW	MW	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.	Rs. In Cr.
1	UPPTCL		26,372			448.602		448.602	0.170
2									
3									
4									
5									
6									
7									
8									
9									
*Note:- Information to be provided for Previous Year, Current Year & Ensuing Year									

मुख्य आदेशकर्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विक्टोरिया पार्क, मेरठ

Sl.No.	Particulars	FY 2011-12	FY 2012-13	FY 2013-14
		Unaudited	Projection	Projection
1	Plant and Machinery	69.01	74.99	80.12
2	Building	2.36	2.57	2.74
3	Civil Works			
4	Hydraulic Works			
5	Transformers			
6	Lines, Cables Net Works etc.	96.65	105.03	112.21
7	Vehicles	1.35	1.47	1.57
8	Furniture and Fixtures	0.01	0.01	0.01
9	Office Equipments	0.21	0.23	0.24
10	Transportation			
11	Sub station maintenance by private agencies			
12	Any other items (Capitalisation)			
	Additional R&M(@2.5% of incremental GFA)		4.84	4.09
	<b>Total</b>	<b>169.59</b>	<b>189.13</b>	<b>200.99</b>

*(Signature)*

मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 किक्टोरिया पार्क, भैरठ

मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 किक्टोरिया पार्क, भैरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited  
Employee Cost and Provisions

Form No: F6a

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
	Unaudited	Estimated	Projected
1 Salaries	164.23	178.47	190.67
2 Dearness Allowance	85.34	92.74	99.08
3 Other Allowances & Relief	12.67	13.77	14.71
4 Bonus/Exgratia	1.09	1.18	1.26
5 Medical Expenses Reimbursement	2.35	2.55	2.73
6 Leave Travel Assistance	-	-	-
7 Earned Leave Encashment	12.28	13.35	14.26
8 Compensation	0.00	0.00	0.00
9 Staff Welfare Expenses	0.24	0.26	0.28
10 Pension and gratuity	37.19	51.75	55.29
11 Other Terminal benefits			
12 Expenditure on trust	-	-	-
13 Any other employee expenses	3.89	4.22	4.51
14 Arrear of Pay Commission/Time Scale		-	-
15 Additional employee Expenses(@2.5% of incremental GFA)		9.11	7.70
<b>Grand Total</b>	<b>319.28</b>	<b>367.40</b>	<b>390.50</b>
Employee expenses capitalized	136.96	55.11	58.57
<b>Net employee expenses</b>	<b>182.32</b>	<b>312.29</b>	<b>331.92</b>



मुख्य अधिकारी (वित्तिय)।  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
दिल्ली-110001

मुख्य अधिकारी (वित्तिय)।  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
दिल्ली-110001

S.No.	Particulars	FY 2011-12	FY 2012-13	FY 2013-14
		Unaudited	Projected	Projected
<b>A) Administration Expenses</b>				
1	Rent rates and taxes (Other than all taxes on income and profit)	0.42	0.46	0.49
2	Insurance of employees, assets, legal liability	0.40	0.43	0.46
3	Revenue Stamp Expenses Account			
4	Telephone, Postage, Telegram, Internet Charges	2.49	2.71	2.90
5	Incentive & Award To Employees/Outsiders		-	-
6	Consultancy Charges	1.62	1.76	1.88
7	Travelling	2.48	2.69	2.87
8	Technical fees			
9	Other Professional Charges			
10	Conveyance And Travel (vehicle hiring, running)	0.01	0.01	0.02
11	UPERC License fee	3.87	4.21	4.50
12	Plant And Machinery (for administrative use )			
13	Security / Service Charges Paid To Outside Agencies			
14	Other Regulatory Expenses		4.61	5.60
15	IT related expenses		2.25	3.25
	<b>Sub-Total of Administrative Expenses</b>	<b>11.30</b>	<b>19.14</b>	<b>21.96</b>
<b>B) Other Charges</b>				
1	Fee And Subscriptions (Books And Periodicals)	0.00	0.00	0.00
2	Printing And Stationery	2.05	2.23	2.39
3	Advertisement Expenses	10.70	11.63	12.42
4	Contributions/Donations To Outside Institute / Association			
5	Electricity Charges To Offices	10.21	11.09	11.85
6	Water Charges	0.00	0.00	0.00
7	Consultancy expenses /Any Study related expenses			
8	Miscellaneous Expenses	21.32	23.17	24.75
9	Expenses on Public Interaction Program	1.07	1.17	1.25
10	Any Other expenses	45.35	49.28	52.65
	<b>Sub-Total of other charges</b>	<b>45.35</b>	<b>49.28</b>	<b>52.65</b>
<b>C) Legal Charges</b>				
		1.63	1.77	1.89
<b>D) Auditor'S Fee</b>				
		0.24	0.26	0.27
<b>E) Frieght - Material Related Expenses</b>				
<b>F) Other Departmental Charges</b>				
	Additional A&G expenses(@2.5% of incremental GFA)		1.67	1.41
<b>G) Total Charges</b>				
		58.52	72.12	78.20
<b>H) Expenses capitalized</b>				
		14.08	10.82	11.73
<b>D) Net Administrative and General expenses</b>				
		44.43	61.30	66.47


मुख्य अभियन्ता (वाणिज्य)  
पश्चिमांचल विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मैरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited												
Fixed Assets and Provision for Depreciation											Form No: F8	
Sl.No	Particulars	Previous Year (FY2011-12)										
		Gross Fixed Assets				Provision For Depreciation					Net Fixed Assets	
		At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
	a. Unclassified	1.0045794										
	b. Free hold land											
2	Buildings	47.417674										
3	Other civil works											
4	Plant and machinery	1023.2675										
5	Transmission and Distribution system (Lines, cable network etc. )	1692.8859										
6	Meters and other Metering Equipment											
7	Communication equipment											
8	Vehicles	0.1707557										
9	Furniture and fixtures	1.457297										
10	Office equipments	0.947434										
11	Intangible Assets											
	a. Computer Software											
	b. Investment in capacity argumentation											
	c. Others											
12	Assets taken over & pending final valuation											
13	Any other items(Transfer scheme Data)	2387.92										
	<b>Total (1 to 13)</b>	<b>5,155.07</b>	<b>1,108.41</b>	<b>483.74</b>	<b>5,779.74</b>		<b>2256</b>	<b>198</b>	<b>85</b>	<b>2369</b>	<b>2899</b>	<b>3411</b>

मुख्य अभियन्ता (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

मुख्य अभियन्ता (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited												
Fixed Assets and Provision for Depreciation											Form No: F8	
Sl.No	Particulars	Gross Fixed Assets				Provision For Depreciation				Net Fixed Assets		
		At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	Rate of Depreciation	At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
	a. Unclassified											
	b. Free hold land											
2	Buildings											
3	Other civil works											
4	Plant and machinery											
5	Transmission and Distribution system (Lines, cable network etc. )											
6	Meters and other Metering Equipment											
7	Communication equipment											
8	Vehicles											
9	Furniture and fixtures											
10	Office equipments											
11	Intangible Assets											
	a. Computer Software											
	b. Investment in capacity argumentation											
	c. Others											
12	Assets taken over & pending final valuation											
13	Any other items(Transfer scheme Data)											
	Total (1 to 13)	5,779.74	528.07		6,307.82		2369	172		2541	3411	3767

  
 मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विक्टोरिया पार्क, भैरठ

मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विक्टोरिया पार्क, भैरठ



Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited												
Fixed Assets and Provision for Depreciation											Form No: F8	
Sl.No	Particulars	Gross Fixed Assets				Rate of Depreciation	Provision For Depreciation				Net Fixed Assets	
		At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year		At Begning of Year	Addition During Year	Adjustments & Deduction	At End of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
	a. Unclassified											
	b. Free hold land											
2	Buildings											
3	Other civil works											
4	Plant and machinery											
5	Transmission and Distribution system (Lines, cable network etc. )											
6	Meters and other Metering Equipment											
7	Communication equipment											
8	Vehicles											
9	Furniture and fixtures											
10	Office equipments											
11	Intangible Assets											
	a. Computer Software											
	b. Investment in capacity argumentation											
	c. Others											
12	Assets taken over & pending final valuation											
13	Any other items(Transfer scheme Data)											
	Total (1 to 13)	6,307.82	966.55		7,274.36		2541	194		2735	3767	4540

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मुख्य अभियन्ता (वाणिज्य)  
पश्चिमांचल विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, भैरठ

Particulars	FY 2011-12	FY 2012-13	FY 2013-14
	Unaudited	Estimated	Projected
<b>A</b>			
Interest and Finance Charges on Long Term Loans / Credits from the FIs/banks/organisations approved by the State Government			
Govt of UP (Loan Transfer Scheme)	0	0	0
Govt of UP (WB Aided Project)	-	-	-
Govt of UP (APDRP)	18.98	18.98	18.98
Power Finance Corp Ltd (Theft Prevention)	3.40	2.99	2.39
Power Finance Corp Ltd (Loan Transfer Scheme)	0.95	0.70	0.45
Power Finance Corp Ltd (UPPCL)	-	-	-
REC Ltd (ABC Loan)	5.51	9.01	8.75
REC Ltd (Construction of S/S)	2.99	12.99	37.58
REC Ltd (Loan Transfer Scheme)	18.36	21.98	20.61
REC Ltd (UPPCL)	-	-	-
APDRP (PFC)	16.91	10.01	8.08
R-APDRP (PFC)	-	-	-
HUDCO Loans	7.85	5.32	2.96
NCRPB	0.08	-	-
NOIDA	-	-	-
OTHERS	-	-	-
UP State Industrial Development Corp	-	-	-
Accrued Interest due not due	-	1.64	1.64
Bank Loans (FRP)	0.00	0.00	35.23
PFC STL	0.00	19.58	87.43
REC STL	46.04	52.03	96.06
<b>Total Interest Charges</b>	<b>121.11</b>	<b>168.03</b>	<b>379.13</b>
Finance Charges			
Interest to Consumers	15.95	49.19	53.69
Bank Charges	0.08	0.08	0.09
Discount to Consumers			
Finance Charges			
<b>Total Finance Charges</b>	<b>16.03</b>	<b>49.27</b>	<b>53.78</b>
<b>Gross Interest and Finance Charges</b>	<b>137.13</b>	<b>217.31</b>	<b>432.92</b>
IDC		25.20	56.87
<b>Net Interest and Finance Charges</b>	<b>137.13</b>	<b>192.10</b>	<b>376.05</b>

मुख्य अभियन्ता (व्यक्तिगत)  
पश्चिमोत्तर विद्युत वितरण निगम लिमिटेड  
विद्युत विभाग, भारत

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing						Form F-9(a)
Particulars	Opening Balance at the beginning as on April 1, 2011	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2012
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
<b>Long Term Loans</b>						
Govt of UP (Loan Transfer Scheme)	3.75					3.75
Govt of UP (WB Aided Project)	85.55					85.55
Govt of UP (APDRP)	42.52			18.98		42.52
Power Finance Corp Ltd (Theft Prevention)	32.36		4.98	3.40		27.38
Power Finance Corp Ltd (Loan Transfer Scheme)	9.31		2.37	0.95		6.94
Power Finance Corp Ltd (UPPCL)	-		-	-		0.00
REC Ltd (ABC Loan)	37.29	38.15	-	5.51		75.44
REC Ltd (Construction of S/S)	18.75	35.60	-	2.99		54.35
REC Ltd (Loan Transfer Scheme)	199.78	-	9.69	18.36		190.09
REC Ltd (UPPCL)	-		-	-		0.00
APDRP (PFC)	151.92		22.74	16.91		129.18
R-APDRP (PFC)	132.02		-	-		132.02
HUDCO Loans	70.99		18.93	7.85		52.06
NCRPB	1.24		1.24	0.08		0.00
NOIDA	-		-	-		0.00
OTHERS	-		-	-		0.00
UP State Industrial Development Corp	-		-	-		0.00
Feeder Separation Loan	-	2.92	-	0.04		2.92
<b>Accrued Interest due not due</b>	0.98					13.12
						0.00
Bank Loans (FRP)						0.00
Power Finance Corp Ltd.						0.00
REC Ltd - Hypotecation of stores and receivable	383.33	275.00	253.03	46.04		405.30
REC Ltd - Charge on receivables						-
						-
<b>Total</b>	<b>1,169.790307</b>	<b>351.67</b>	<b>312.98</b>	<b>121.11</b>	<b>-</b>	<b>1,220.62</b>

मुख्य अभियन्ता (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing						Form F-9(a)
Particulars	Opening Balance at the beginning as on April 1, 2012	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2013
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
<b>Long Term Loans</b>						
Govt of UP (Loan Transfer Scheme)	3.75		-			3.75
Govt of UP (WB Aided Project)	85.55		-			85.55
Govt of UP (APDRP)	42.52		-	18.98		42.52
Power Finance Corp Ltd (Theft Prevention)	27.38		4.98	2.99		22.40
Power Finance Corp Ltd (Loan Transfer Scheme)	6.94		2.25	0.70		4.69
Power Finance Corp Ltd (UPPCL)	-		-	-		0.00
REC Ltd (ABC Loan)	75.44		1.31	9.01		74.13
REC Ltd (Construction of S/S)	54.35	99.21	-	12.99		153.56
REC Ltd (Loan Transfer Scheme)	190.09		11.05	21.98		179.05
REC Ltd (UPPCL)	-		-	-		0.00
APDRP (PFC)	129.18		22.75	10.01		106.43
R-APDRP (PFC)	132.02	275.53	-			407.55
HUDCO Loans	52.06		18.93	5.32		33.13
NCRPB	-			-		0.00
NOIDA	-			-		0.00
OTHERS	-			-		0.00
UP State Industrial Development Corp	-			-		0.00
Feeder Separation Loan	2.92	198.91	-	12.80		201.83
<b>Accrued Interest due not due</b>	13.12		-	1.64		13.12
	-			-		0.00
Bank Loans (FRP)	-			-		0.00
Power Finance Corp Ltd.	-	435.00	-	19.58		435.00
REC Ltd - Hypotecation of stores and receivable	405.30	435.00	316.92	52.03		523.39
REC Ltd - Charge on receivables						
<b>Total</b>	<b>1220.62</b>	<b>1,443.65</b>	<b>378.18</b>	<b>168.03</b>	<b>-</b>	<b>2,286.09</b>

मुख्य अभियन्ता (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						
Domestic loans, bonds and financial leasing						Form F-9(a)
Particulars	Opening Balance at the beginning as on April 1, 2013	Amount received during the year	Principal repayment during the year	Interest		Closing Balances as on March 31, 2014
In Rs Crore	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Amt Rs. Cr	Rate %	Amt Rs. Cr
<b>Long Term Loans</b>						
Govt of UP (Loan Transfer Scheme)	3.75		-			3.75
Govt of UP (WB Aided Project)	85.55		-			85.55
Govt of UP (APDRP)	42.52		-	18.98		42.52
Power Finance Corp Ltd (Theft Prevention)	22.40		4.98	2.39		17.42
Power Finance Corp Ltd (Loan Transfer Scheme)	4.69		1.82	0.45		2.87
Power Finance Corp Ltd (UPPCL)	-		-	-		0.00
REC Ltd (ABC Loan)	74.13		3.17	8.75		70.96
REC Ltd (Construction of S/S)	153.56	294.10	-	37.58		447.66
REC Ltd (Loan Transfer Scheme)	179.05		11.67	20.61		167.38
REC Ltd (UPPCL)	-		-	-		0.00
APDRP (PFC)	106.43		22.75	8.08		83.69
R-APDRP (PFC)	407.55	404.50	-			812.05
HUDCO Loans	33.13		18.93	2.96		14.20
NCRPB	-		-	-		0.00
NOIDA	-		-	-		0.00
OTHERS	-		-	-		0.00
UP State Industrial Development Corp	-		-	-		0.00
Feeder Separation Loan	201.83	540.00	-	58.98		741.83
<b>Accrued Interest due not due</b>	13.12		-	1.64		13.12
	-		-	-		0.00
Bank Loans (FRP)	-	503.25	-	35.23		503.25
Power Finance Corp Ltd.	435.00	587.12	-	87.43		1022.12
REC Ltd - Hypotecation of stores and receivable	523.39	587.12	109.09	96.06		1,001.41
REC Ltd - Charge on receivables						
<b>Total</b>	<b>2286.09</b>	<b>2916.09</b>	<b>172.41</b>	<b>379.13</b>		<b>5029.77</b>

मुख्य अभियन्ता (दायां हस्ताक्षर)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विक्टोरिया पार्क, मेरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited				
Details of Expenses Capitalised				Form - 10
Sl.No.	Particulars	FY 2011-12	FY 2012-13	FY 2013-14
		Unaudited	Projection	Projection
1	Interest & Finance charges Capitalised	-	25.20	56.87
2	Other expenses capitalised:			
	a. Employee expenses	136.96	55.11	58.57
	b. R&M Expenses			
	c. A&G Expenses	14.08	10.82	11.73
	d. Others, if any			
	Total of 2	151.04	65.93	70.30
	Grand Total	151.04	91.13	127.17



मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमींचल विद्युत वितरण निगम लि०  
 विक्टोरिया पार्क, मेरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited				
Debts, Write-offs and any other items				
Sl.No.	Particulars	FY 2011-12	FY 2012-13	FY 2013-14
		Unaudited	Projection	Projection
1	Provision for loss against theft of fixed assets pending inv	1.04		
2	Provision for bad and doubtful dues from staff	0.83		
3	Bad Debt Written Off/Provided For	-	36.73	40.97
4	Cost Of Trading & Manufacturing Activities			
5	Net Prior Period Credit/Charges	4.93	0.00	0.00
6	<b>Sub-Total</b>	<b>6.80</b>	<b>36.73</b>	<b>40.97</b>
7	Less Chargeable To Capital Expense			
	<b>Net Chargeable To Revenue</b>	<b>6.80</b>	<b>36.73</b>	<b>40.97</b>

*(Signature)*

मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विक्टोरिया पार्क, मेरठ

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 2011-12	FY 2012-13	FY 2013-14
		Projection	Projection	Projection
1	Receivable from customers as at the beginning of the year	2,590.42	3,240.41	3,673.41
2	Revenue billed for the year	6,359.99	8,660.05	10,592.60
3	Collection for the year	5,710.00	8,227.05	10,168.90
	Against current dues			
	Against arrears upto previous year			
4	Gross receivable from customers as at the end of the year	3,240.41	3,673.41	4,097.11
5	Receivables against permanently disconnected consumers	NA	NA	NA
6	Receivables(4-5)	3,240.41	3,673.41	4,097.11
7	% of provision	0.00%	1.00%	1.00%
8	Provision for bad and doubtful debts		36.73	40.97



मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमींचल विद्युत वितरण निगम लि०  
 सिक्कीरिया चर्क, कैलन



Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited

Extraordinary Items

Form No: F13

Sl.No.	Particulars	FY 2011-12	FY 2012-13	FY 2013-14
		Unaudited	Estimated	Projection
1	Extraordinary Credits			
	subsidies against losses due to natural disasters			
	<b>TOTAL CREDITS</b>			
2	Extraordinary Debits			
	subsidies against losses due to natural disasters			
	<b>TOTAL DEBITS</b>			
	<b>Grand Total</b>			

8

सुभाष चन्द्र बोस (संस्थापक)  
पाश्चिमांचल विद्युत वितरण निगम लिमिटेड  
कोलकाता-७००००१

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited

Net Prior Period Expenses / Income

Form No: F14

SL.No.	Particulars	FY 2011-12	FY 2012-13	FY 2013-14
		Actual	Estimated	Projection
<b>A</b>				
	<b>Income relating to previous years:</b>			
1	Interest income for prior periods			
2	Income Tax prior period			
3	Excess Provision for Depreciation			
4	Excess Provision for Interest and Fin. Charges			
5	Receipts from consumers			
6	Other Excess Provision			
7	Others			
	<b>Sub-Total A</b>	0.00	0.00	0.00
<b>B</b>				
	<b>Expenditure relating to previous years</b>			
1	Power Purchase			
2	Operating Expenses	0.09		
3	Excise Duty on generation			
4	Employee Cost	4.84		
5	Depreciation			
6	Interest and Finance Charges			
7	Admn. Expenses			
8	Withdrawal of Revenue Demand			
9	Material Related			
10	Others			
	<b>Sub-Total B</b>	4.93	0.00	0.00
	<b>Net prior period Credit/(Charges) : A-B</b>	4.93	0.00	0.00

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मुख्य अभियन्ता (वाणिज्य)  
पश्चिमांचल विद्युत वितरण निगम लि०  
दिल्लीरिया पार्क, मेरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited								
Contributions, Grants and subsidies towards Cost of Capital Assets								Form No: F15
SI No	Particulars				Current Year		Ensuing Year	
		Balance at the beginning of the year	Additions during the Year	Balance at the end of the Year	Additions during the Year	Balance at the end of the Year	Additions during the Year	Balance at the end of the Year
1	Consumer Contribution Towards Cost Of Capital Assets	904.87	149.92	1,054.79	204.01	1,258.80	200.00	1,458.80
2	Consumer Contribution towards Metering Systems							
3	Others							
	<b>Sub-Total</b>	<b>904.87</b>	<b>149.92</b>	<b>1,054.79</b>	<b>204.01</b>	<b>1,258.80</b>	<b>200.00</b>	<b>1,458.80</b>
4	Subsidies Towards Cost Of Capital Asset				-	-	-	-
5	Grant Towards Cost Of Capital Assets	87.18	-	87.18	-	87.18	-	87.18
6	Others	0.62		0.62		0.62		0.62
	<b>Sub-Total</b>	<b>87.80</b>	<b>-</b>	<b>87.80</b>	<b>-</b>	<b>87.80</b>	<b>-</b>	<b>87.80</b>
	<b>Total</b>	<b>992.68</b>	<b>149.92</b>	<b>1,142.59</b>	<b>204.01</b>	<b>1,346.60</b>	<b>200.00</b>	<b>1,546.60</b>

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मुख्य अभियन्ता (वाणिज्य)  
पाश्चिमींचल विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, भैरठ

Sl. No.	Financial Year <sup>a</sup> 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				

<sup>a</sup>Note:- Information to be provided for Previous Year, Current Year & Ensuing Year

भारत अधिगन्ता (दागिपत्र)  
पश्चिमाञ्चल विद्युत वितरण निगम लि०  
विद्योत्तरिका धार्क, भैरव



Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited				Form No: F19
Current Assets & Liabilities				
Sl.No.	Particulars	FY 2011-12 Un-audited	FY 2012-13 Estimated	FY 2013-14 Projected
<b>A</b>	<b>Current Assets, Loans and Advances</b>			
	Sundry Debtors	3,240.41	3,673.41	4,097.11
	Inventories	312.07	125.24	175.13
	Cash and Bank Balances	626.36	693.53	969.50
	Loans and Advances	289.18	289.18	289.18
	Other current assets	819.47	819.47	819.47
<b>B</b>	<b>Current Liabilities and Provisions</b>			
	Sundry Creditors	1.36	1.36	1.36
	Provisions	1,676.80	1,713.53	1,754.51
	Other Current Liabilities	7,205.00	7,454.02	6,544.48
<b>C</b>	<b>NET CURRENT ASSETS (A - B)</b>	<b>(3,595.68)</b>	<b>(3,568.10)</b>	<b>(1,949.95)</b>

  
 मुख्य अधिकारी (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विक्रोदिया, पार्क, भैरत

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited

Capital Investment Plan For FY 2012-13


Additional Form

Particulars	MEERUT DISCOM				
	FY2012-13				
	Equity	Loan	Grant	Deposit	Total
Construction of 33/11kV Substation.	42.52	99.21			141.73
Replacement of Jajar Tar/Line	29.63				29.63
Replacement of damaged poles	17.24				17.24
Earthing of Transformer	6.44				6.44
Replacement of 11kV switch gear	35.76				35.76
Capacity enhancement of 33kV substation	107.67				107.67
Construction of 33/11kV Link Line	93.99				93.99
Strengthening of 11kV line	8.42				8.42
Construction of 11kV line	42.85				42.85
Work/Strengthening of LT line & System	10.55				10.55
Strengthening of 11kV line	15.15				15.15
Capacity enhancement of 11kV substation	11.79				11.79
Construction of 11kV Substation	21.34				21.34
Strengthening of 33kV Substation	14.65				14.65
Strengthening of 11/4kV Substation	14.65				14.65
Misc. Distribution Work	14.65				14.65
Construction of feeders to separate Light & Fan Consumers and PTW	85.25	198.91			284.15
Replacement of single and three phase meters	73.25				73.25
Double metering of consumers	12.68				12.68
Connection to Sri Kansiram garib awas yojna	36.62				36.62
Extention of MD office	3.66				3.66
Construction of boundary wall of PVVNL	1.46				1.46
Leftover work of previous year	4.39				4.39
Construction of residential houses	4.39				4.39
Construction of road for upgradation of store centre and other civil w	2.20				2.20
Construction,upgradation & renovation of Transformer repair work sh	2.93				2.93
Construction of building for control room for SCADA under R- APD	0.57	1.33			1.90
Construction of building for Disaster Recovery Centre under R-APDF	0.24	0.55			0.79
Establish new Pole Construction Units & extention of existing units(S	7.32				7.32
Construction of building for HRD Centre	2.93				2.93
R-APDRP Part-A		72.15			72.15
R-APDRP Part-B		201.50			201.50
Deposit work				204.01	204.01
<b>Total</b>	<b>725.20</b>	<b>573.65</b>	<b>0.00</b>	<b>204.01</b>	<b>1502.86</b>

मुख्य आभयन्ता (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विकटोरिया पार्क, मेरठ

मुख्य आभयन्ता (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विकटोरिया पार्क, मेरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited						
Capital Investment Plan For FY 2013-14					Additional Form	
Particulars	Unit	Physical	Equity	Loan	Deposit Work	Total
Construction of New 33/11 KV Substation & related Lines	Nos.					
Capacity Enhancement of 33 KV Substations	Nos.	350	73.19	0.00		73.19
Construction of 33 KV Lines	KM	1065	102.06	0.00		102.06
Strengthening of 33 KV Lines	KM	195	5.35	0.00		5.35
Construction of New 33/11 KV Substation	Nos.	245	42.24	190.09		232.34
11 KV Works						0.00
Construction of 11 KV Lines	KM	525	15.12	0.00		15.12
Strengthening of 11 KV Lines	KM	800	12.64	0.00		12.64
Construction of 11/0.4 KV Substation	Nos.	800	23.17	0.00		23.17
Strengthening of 11/0.4 KV Substations	Nos.	1000	16.73	0.00		16.73
Replacement of 11 KV Switchgear	Nos.	300	7.20	0.00		7.20
Replacement of Mobile Trolleys, etc	Nos.	40	3.00	0.00		3.00
Installation of Meters	Nos.	400000	64.00	0.00		64.00
Double Metering of Consumers	Nos.	668	1.57	0.00		1.57
Aerial Bunch Conductor	KM	2000	69.64	0.00		69.64
Feeder Separation	KM		120.00	540.00		660.00
Creation of 33kV S/s and line and 11kV line consequent to Feeder Se	Nos.	59	23.11	104.01		127.12
Construction of 11kV Link line(Over head & under ground cable)	KM	300	23.43	0.00		23.43
Upgradation of Store and Workshop	Nos.		2.00	0.00		2.00
Construction of New PCC Pole Unit	Nos.		5.00	0.00		5.00
Replacement of damaged Poles	Nos.	12000	8.40	0.00		8.40
Earthing of Transformers	Nos.	1300	1.56	0.00		1.56
Metering of Distribution Transformers	Nos.	200	1.14	0.00		1.14
Replacement of Jarjar Tar	KM	1700	8.33	0.00		8.33
Construction/Strengthening of LT Lines	KM	250	4.60	0.00		4.60
Civil Works at Substations	Nos.		29.50	0.00		29.50
R-APDRP				404.50		404.50
Deposit Works					200.00	200.00
<b>Total</b>			<b>662.98</b>	<b>1238.60</b>	<b>200.00</b>	<b>2101.58</b>

  
 मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विक्टोरिया पार्क, भैरठ

मुख्य अभियन्ता (वाणिज्य)  
 पश्चिमोत्तर विद्युत वितरण निगम लि०  
 विक्टोरिया पार्क, भैरठ



Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited							
Capital Formation During FY 2012-13							Additional Form
Detail	Balance 1-Apr-12	Investments	Cap interest	Cap expenses	To GFA	Depreciation	Balance 31- Mar-13
	(1)		(2)	(3)	(4)	(5)	
Gross Fixed Assets	5,779.7				528.07		6,307.8
Accumulated Depreciation	2,368.9					172.3	2,541.2
Work in Progress	203.8	1,025.2	25.2	65.9	(528.1)		792.1

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मुख्य अभियन्ता (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, भैरठ

नगरपालिका (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, भैरठ

Name of Distribution Licensee: Paschimanchal Vidyut Vitran Nigam Limited							Additional Form
Capital Formation During FY 2013-14							
Detail	Balance 1-Apr-13	Invest-ments	Cap interest	Cap expenses	To GFA	Depreciation	Balance 31- Mar-14
	(1)		(2)	(3)	(4)	(5)	
Gross Fixed Assets	6307.82				966.55		7,274.4
Accumulated Depreciation	2541.16					193.6	2,734.7
Work in Progress	792.11	1497.08	56.87	70.30	(966.5)		1,449.8

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मुख्य अधिकारी (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./kWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	1829	5696	3.21
(a) Consumer getting supply as per "Rural Schedule"	208	2,139	0.97
(b) Supply at Single Point for Bulk Loads	53	136	3.87
(c) Other Metered Domestic Consumers	1,529	3,250	4.71
(d) Life Line Consumers	39	171	2.29
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	620	989	6.27
(a)Non-Domestic(Rural)	39	166	2.33
(b)Private Advertisement/Sign Board/Glow Sign/Flex	30	42	7.02
(c)Non-Domestic (Urban Metered)	552	781	7.07
<b>LMV-3: Public Lamps</b>	99	197	5.01
<b>LMV-4: Institutions</b>	134	216	6.21
<b>LMV-5: Private Tube Wells</b>	247	2260	1.09
<b>LMV 6: Small and Medium Power</b>	618	923	6.70
(a): Small and Medium Power for Power Loom	56	111	5.09
(b):Small and Medium Power	562	812	6.91
<b>LMV-7: Public Water Works</b>	162	281	5.75
<b>LMV-8: State Tubewells and Pumped Canals</b>	121	218	5.55
<b>LMV-9: Temporary Supply</b>	33	59	5.60
<b>LMV-10: Departmental Employees and Pensioners</b>	15	105	1.45
<b>HV-1: Non-Industrial Bulk Load</b>	478	819	5.84
<b>HV-2: Large and Heavy Power</b>	4159	6066	6.86
<b>HV-3: Railway Traction</b>	26	44	5.90
<b>HV-4: Lift Irrigation Works</b>	0.10	0.20	4.81
<b>Sub Total</b>	8542	17875	4.78
<b>Bulk &amp; Extra State</b>	118.11	337.35	3.50
<b>MEERUT DisCom</b>	8660	18212	4.76



मुख्य अधिकारी (आपूर्तिकर्ता)  
पश्चिमोत्तर विद्युत वितरण निगम लि.  
भिलाईविद्या काल, मेरठ

Consumer Category	Assessment Revenue	Electricity Sales	Through Rate
	Rs. Cr	MU	Rs./KWh
<b>LMV-1: Domestic Light, Fan &amp; Power</b>	<b>2167</b>	<b>6675</b>	<b>3.25</b>
(a) Consumer getting supply as per "Rural Schedule"	231	2,377	0.97
(b) Supply at Single Point for Bulk Loads	61	147	4.16
(c) Other Metered Domestic Consumers	1,827	3,942	4.63
(d) Life Line Consumers	48	209	2.29
<b>LMV-2: Non Domestic Light, Fan &amp; Power</b>	<b>791</b>	<b>1151</b>	<b>6.87</b>
(a)Non-Domestic(Rural)	46	200	2.29
(b)Private Advertisement/Sign Board/Glow Sign/Flex	39	50	7.83
(c)Non-Domestic (Urban Metered)	706	901	7.84
<b>LMV-3: Public Lamps</b>	<b>125</b>	<b>225</b>	<b>5.55</b>
<b>LMV-4: Insituitions</b>	<b>188</b>	<b>264</b>	<b>7.12</b>
<b>LMV-5: Private Tube Wells</b>	<b>262</b>	<b>2396</b>	<b>1.09</b>
<b>LMV 6: Small and Medium Power</b>	<b>770</b>	<b>1097</b>	<b>7.02</b>
(a): Small and Medium Power for Power Loom	69	125	5.50
(b):Small and Medium Power	701	972	7.21
<b>LMV-7: Public Water Works</b>	<b>216</b>	<b>316</b>	<b>6.85</b>
<b>LMV-8: State Tubewells and Pumped Canals</b>	<b>138</b>	<b>227</b>	<b>6.07</b>
<b>LMV-9: Temporary Supply</b>	<b>46</b>	<b>73</b>	<b>6.29</b>
<b>LMV-10: Departmental Employees and Pensioners</b>	<b>17</b>	<b>123</b>	<b>1.36</b>
<b>HV-1: Non-Industrial Bulk Load</b>	<b>583</b>	<b>852</b>	<b>6.84</b>
<b>HV-2: Large and Heavy Power</b>	<b>5138</b>	<b>6602</b>	<b>7.78</b>
<b>HV-3: Railway Traction</b>	<b>32</b>	<b>47</b>	<b>6.80</b>
<b>HV-4: Lift Irrigation Works</b>	<b>0.10</b>	<b>0.20</b>	<b>5.13</b>
<b>Sub Total</b>	<b>10471</b>	<b>20047</b>	<b>5.22</b>
Bulk & Extra State	121.78	337.35	3.61
<b>MEERUT DisCom</b>	<b>10593</b>	<b>20384</b>	<b>5.20</b>

मुख्य अधिकारी (वित्तियोग)  
 विद्युत वितरण निगम, पश्चिम नेपाल  
 काठमाडौं

# ANNUAL REVENUE REQUIREMENT PETITION

FOR FY 2013-14

## ANNEXURE - 5

Provisional Balance Sheets for FY 2011-12



PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED  
MEERUT

मुख्य शांभवन्या (घांणव्य)  
पश्चिमांचल विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

पश्चिमांचल विद्युत वितरण निगम लि०

PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.



ANNUAL ACCOUNTS FOR THE  
YEAR 2011-12 (PROVISIONAL)

Registered Office : Urja Bhawan Victoria Park, Meerut

मुख्य अभियन्ता (वाणिज्य)  
पश्चिमांचल विद्युत वितरण निगम लि०  
विकटोरिया पार्क, मेरठ

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

PROVISIONAL

**BALANCE SHEET AS AT 31.03.2012**

(Amount in Rs.)

PARTICULAR	SCHEDULE	As at 31.03.12	As at 31.03.11
<b>SOURCES OF FUNDS</b>			
<b>Shareholders funds :</b>			
Share Capital	(1)	8050280000	8050280000
Share Application Money	(1A)	12901442358	10341183096
Reserve & Surplus	(2)	11425916684	9926755606
		32377639042	28318218702
<b>Loan Funds</b>			
Secured Loans	(3)	8265933829	7556842311
Unsecured Loans		3940287812	4141170636
		12206221641	11698012947
<b>TOTAL</b>		<b>44583860683</b>	<b>40016231649</b>

**APPLICATION OF FUNDS**

<b>Fixed Assets</b>			
Gross Block		57797448675	51550711162
Less-Accumulated Depreciation	(4)	23688839610	22556115448
Net Block		34108609065	28994595714
Capital Work in Progress	(5)	2038471187	1804102674
Investment		36147080252	30798698388
<b>Current Assets, Loans &amp; Advances</b>			
Stores & Spares	(6)	3120661731	2987038700
Sundry Debtors	(7)	15636059654	9136160643
Cash and Bank Balances	(8)	6263594133	5562218873
Other Current Assets	(9)	7552075437	3894849839
Loans & Advances	(10)	2891779770	1949484073
Inter Unit Transfer		642643856	1896351354
		36106814581	25426103482
		79698149914	64382309109
<b>Less : Current Liabilities &amp; Provisions</b>	(11)		
Net Current Assets			(43591335333)
<b>Profit &amp; Loss Account (Debit Balance)</b>			52028115764
Notes on Accounts	(23)		
Schedule 1 to 23 and Accounting Policies form integral part of Accounts.			
<b>TOTAL</b>		<b>44583860683</b>	<b>40016231649</b>

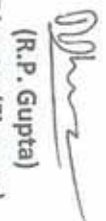
Dy. Chief Accounts Officer

  
(K.K. Gupta)

Dy. General Manager (Acctt.)

  
(P.K. Agarwal)

Director(Finance)

  
(R.P. Gupta)

Managing Director

  
(O.P. Jain)

MEERUT 17 NOV 2012



मुख्य अकाउंटन्ट (वर्गकृत)

पश्चिमोत्तर विद्युत वितरण निगम लि.

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

PROVISIONAL.

**PROFIT AND LOSS ACCOUNT FOR THE PERIOD FROM 01.04.11 TO 31.03.12**

(Amount in Rs.)

PARTICULAR	SCHEDULE	FOR THE PERIOD FROM 01.04.11 TO 31.03.12	FOR THE PERIOD FROM 01.04.10 TO 31.03.11
<b>INCOME</b>			
Revenue from sale of power (Gross)		64919377263	55557945237
Less Electricity Duty	(12)	1421507332	1223454000
Energy internally Consumed		102051177	82438531
Revenue Subsidies & Grants	(13)	10312100000	5796900000
Other income	(14)	566776762	47749415
<b>TOTAL</b>		<b>74478797870</b>	<b>60691323921</b>
<b>EXPENDITURE</b>			
Purchase of Power	(15)	68195058051	5913487474
Wheeling Charges		3265934032	283203219
Repair & Maintenance Expenses	(16)	1695897301	137285146
Employees Cost	(17)	1823238228	207718237
Administrative, General & Other Expenses	(18)	444330253	29420995
Interest and Finance Charges	(19)	1371328698	135563265
Depreciation	(20)	1469435260	176924669
Provisions	(21)	18694941	8087965
Preliminary Expenses written off			
<b>TOTAL</b>		<b>78283916764</b>	<b>6891690973</b>
<b>Profit/(Loss) For the Year</b>		<b>(3805118894)</b>	<b>(8225585806)</b>
Net prior period			
Income/(Expenditure)	(22)	(49257982)	(1334165)
<b>Net Profit/(Loss) for the year</b>		<b>(3854376876)</b>	<b>(823892745)</b>
Accumulated loss brought forward		(48173738888)	(3993481142)
<b>Net Profit/(Loss) Carried Over to Balance Sheet</b>		<b>(52028115764)</b>	<b>(4817373888)</b>
Notes on Accounts	(23)		

  
Dy. Chief Accounts Officer

  
Dy. General Manager (Acctt.)

  
Director (Finance)

  
Managing Director

MEERUT 17 NOV 2012



युक्त उत्तराखण्ड (राज्य) विद्युत वितरण निगम लि.  
विद्युत वितरण विभाग, मेरठ



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

PROVISIONAL  
**SCHEDULE -1**

SHARE CAPITAL

PARTICULARS	As at 31.03.12	As at 31.03.11
<b>A. AUTHORISED</b>		
500000000 Equity Shares of Rs. 1000/-each	50000000000	20000000000

(Amount in Rs.)

**B. ISSUED SUBSCRIBED AND PAID UP**

(i) 8049780 Equity Share of Rs. 1000/- each fully paid up	8049780000	8049780000
(ii) Promoters' Shares (500 Equity Share of Rs. 1000/- each)	500000	500000
<b>TOTAL</b>	<b>8050280000</b>	<b>8050280000</b>

SHARE APPLICATION MONEY

SCHEDULE - 1A

PERTICULARS	As at 31.03.12	As at 31.03.11
<b>SHARE APPLICATION MONEY</b>		
(Pending for allotment to UPPCL)	12901442358	10341183096
<b>TOTAL</b>	<b>12901442358</b>	<b>10341183096</b>

(Amount in Rs.)

RESERVES AND SURPLUS

SCHEDULE - 2

PARTICULARS	As at 31.03.12	As at 31.03.11
<b>A Capital Reserve</b>		
i) Consumers Contributions towards Service Line and other charges	10547872263	9048711185
<b>B Grants</b>	871799694	871799694
<b>B Restructuring reserve account</b>	6244727	6244727
<b>TOTAL</b>	<b>11425916684</b>	<b>9926755606</b>

(Amount in Rs.)

i) Consumers Contributions towards Service Line and other charges

10547872263

9048711185

**B Grants**

871799694

871799694

**B Restructuring reserve account**

6244727

6244727

**TOTAL**

11425916684

9926755606

  
(L.K. Gupta)

Dy. Chief Accounts Officer

  
(P.K. Agarwal)

Dy. General Manager (Acctt.)

  
(R.P. Gupta)

Director(Finance)

  
(O.P. Jahn)

Managing Director



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

PROVISIONAL  
SCHEDULE -3

LOAN FUNDS

(Amount in Rs.)

PARTICULARS	As at 31.03.12	As at 31.03.11
<b>A. SECURED LOAN -</b>		
(a) <b>TERMS LOAN</b>		
i) <b>APPDRP (PFC)</b>	1291762139 ✓	1519222752 ✓
(Secured against hypothecation of all the movable assets created under the loan)		
ii) <b>R-APPDRP (PFC)</b>		
(Secured against hypothecation of all the movable assets created under the loan)	1320199000 ✓	1320198600 ✓
iii) <b>Power Finance Corporation Ltd.</b>		
(Against theft prevention scheme. Secured against hypothecation of assets created)	273840779 ✓	323630011 ✓
iv) <b>REC-ABC</b>	754413824 ✓	372929600 ✓
v) <b>REC (const. of 33/11 KVA S/S)</b>	543515786 ✓	187528000 ✓
v) <b>REC (FEEDER SEGRTATION)</b>	29172000 ✓	
(b) <b>SHORT TERMS LOAN -</b>		
<b>Rural Electrification Corporation Ltd.</b>		
i) (Secured against hypothecation of stores and charge on receivables of specified receipt accounts through escrow arrangements)	4053030301 ✓	3833333348 ✓
<b>Sub Total (A)</b>	<b>8265933829</b>	<b>7556842311</b>
<b>B. UNSECURED LOANS -</b>		
(a) <b>TERM LOANS :</b>		
i) <b>Govt. of U.P.</b>	37500000 ✓	37500000 ✓
Loan (Transfer Scheme)		
<b>FINANCIAL INSTITUTIONS</b>		
ii) <b>Rural Electrification Corporation Ltd.</b>		
Loan (Transfer Scheme)	1900888543 ✓	1997785223 ✓
(Guaranteed by U.P. Govt.)		
Interest accrued & due	131242967	9769719
2032131510	2032131510	200754942
iii) <b>Power Finance Corporation Ltd.</b>		
Loan (Transfer Scheme)	69372302 ✓	93106944 ✓
(Guaranteed by U.P. Govt.)		
iv) <b>NCRPB</b>		
Loan (Transfer Scheme)	12424750 ✓	2150586636
<b>Sub Total (B)</b>	<b>2139003812</b>	<b>2150586636</b>

(A.K. Gupta)  
Dy. Chief Accounts Officer

(P.K. Agarwal)  
Dy. General Manager (Acctt.)

(R.P. Gupta)  
Director(Finance)

(O.P. Jaisn)  
Managing Director

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


**SCHEDULE - 4 - Fixed Assets**

PROVISIONAL

Particulars	Gross Block				Depreciation				Net Block	
	As at 31.03.11	Additions	Deductions/ Adjustments	As at 31.03.12	As at 31.03.11	Additions	Deductions/ Adjustments	As at 31.03.12	As at 31.03.12	As at 31.03.11
Land & Land Rights										
i) Unclassified										
ii) Freehold Land	10045794	86492		10132286					10132286	10045794
Buildings	474176738	135908903		610085641	39147691	22516429		61664120	548421521	43502904
Plant & Machinery	10232674881	6659788479	4583252551	12309210809	-1615827753	564973657	795643404	-1846497500	14155708309	1184850263
Lines, Cable Network etc.	16928858882	4285853649	254136719	20960575812	1670986287	765195339	55037665	2381143961	18579431851	1525787259
Vehicles	1707557			1707557	743773	209152		952925	754632	96378
Furniture & Fixtures	14572970	738157		15311127	2601637	843681		3445318	11865809	1197133
Office Equipments	9474340	1751103		11225443	4807967	1118099		5926066	5299377	466837
Transfer Scheme	23879200000			23879200000	22453655846	628548874		23082204720	796995280	142554415
<b>Total</b>	<b>51550711162</b>	<b>11084126783</b>	<b>4837389270</b>	<b>57797448675</b>	<b>22556115448</b>	<b>1983405231</b>	<b>850681069</b>	<b>23688839610</b>	<b>34108609066</b>	<b>2899459571</b>

  
(L.K. Gupta)  
Dy. Chief Accounts Officer

  
(P.K. Agarwal)  
Dy. General Manager (Acctt.)

  
(R.P. Gupta)  
Director(Finance)

  
(O.P. Jain)  
Managing Director



मुख्य अभियन्ता (वाणिज्य)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

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


PROVISIONAL  
SCHEDULE -3 (continue)

	<u>LOAN FUNDS</u>	
PARTICULARS	As at 31.03.12	As at 31.03.11
<b>C. LOAN BY UPPCL</b>		
i) <u>U.P. Govt.(APDRP)</u>		
Loan	425165000 ✓	425165000 ✓
ii) <u>U.P. Govt.(W.B. Aided Project)</u>		
Loan	855544000 ✓	855544000 ✓
iii) <u>HUDCO</u>		
(Guaranted by U.P. Govt.)	520575000 ✓	709875000 ✓
Sub Total D	1801284000	1990584000
<b>TOTAL</b>	<b>12206221641</b>	<b>11698012947</b>

  
(L.K. Gupta)  
Dy. Chief Accounts Officer

  
(P.K. Agarwal)  
Dy. General Manager (Acctt.)

  
(R.P. Gupta)  
Director (Finance)

  
(O.P. Jain)  
Managing Director



मुख्य अभियन्ता (वाणिज्य)  
पश्चिमांचल विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

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

PROVISIONAL  
**SCHEDULE -5**

**CAPITAL WORKS IN PROGRESS**

(Amount in Rs.)

PARTICULARS	As at 31.03.12	As at 31.03.11
Capital Work In Progress*	2022572436	1788203923
Add revenue expenditure pending for capitalisation**	15898751	15898751
<b>TOTAL</b>	<b>2038471187</b>	<b>1804102674</b>

**Notes :**

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

\*\* It includes borrowing cost only related to works.

**STORES & SPARES**

**SCHEDULE -6**

(Amount in Rs.)

PARTICULARS	As at 31.03.12	As at 31.03.11
Stock of Materials	3120661731	2987038700
<b>TOTAL</b>	<b>3120661731</b>	<b>2987038700</b>


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

  
(L.K. Gupta)

Dy. Chief Accounts Officer

  
(P.K. Agarwal)

Dy. General Manager (Acctt.)

  
(R.P. Gupta)

Director(Finance)

  
(O.P. Jain)

Managing Director



मुख्य अभियन्ता (वाणिज्य)  
परिचालन विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

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

PROVISIONAL  
**SCHEDULE - 7**

**SUNDRY DEBTORS**

(Amount in Rs.)

PARTICULARS	As at 31.03.12	As at 31.03.11	
<b>Sundry Debtors</b>	32404059654		25904160643
Unsecured & considered good	15636059654	9136160643	
Considered doubtful	16768000000	16768000000	
	32404059654	25904160643	
Less - Provision for Bad & Doubtful Debts	16768000000	16768000000	
<b>TOTAL</b>	<b>15636059654</b>	<b>9136160643</b>	

**SCHEDULE - 8**

(Amount in Rs.)

**CASH AND BANK BALANCES**

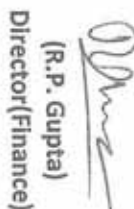
PARTICULARS	As at 31.03.12	As at 31.03.11	
CASH IN HAND	1700131240	1647892957	
Balances with Scheduled Banks	4563462893	3914325916	
<b>TOTAL</b>	<b>6263594133</b>	<b>5562218873</b>	

  
(L.K. Gupta)

Dy. Chief Accounts Officer

  
(P.K. Agarwal)

Dy. General Manager (Acctt.)

  
(R.P. Gupta)

Director(Finance)

  
(O.P. Jadh)

Managing Director



मुख्य अडिबयन्ता (दाणिबय्)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

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

PROVISIONAL  
SCHEDULE -9

OTHER CURRENT ASSETS


(Amount in Rs.)

PARTICULARS	As at 31.03.12	As at 31.03.11
Income accrued but not received	5228844	16057313
<u>Receivables</u>		
UPPCL	6518264964	2611073746
UPPTCL	99245530	35637215
<u>Receivables on Account of Loan</u>		
UPPCL	2860507194	2860507194
Less Liabilities against Loan	-2461515348	-2003903748
<u>Other Receivables</u>		
Employees	231182617	148494123
Less Provision for doubtful Receivable	-24147679	-15865821
Receivables as per Transfer Scheme	219800000	219800000
Prepaid Expenses	2666161	3120303
Misc. Receivable	13293262	8044098
Receivable from Insurance Company	136416	136416
Theft of fixed Assets pending investigation	436107292	425694209
Less Provision for Estimated Loss	-436107292	0
<u>Deposits</u>		
Tax deducted at source	16387214	11749000
Other Deposit	71026262	
<b>TOTAL</b>	<b>7552075437</b>	<b>3894849839</b>

  
Dy. Chief Accounts Officer

  
Dy. General Manager (Acctt.)

  
Director(Finance)

  
Managing Director



पुस्तक अभिलेखना (संशोधन)  
पश्चिमोत्तर विद्युत वितरण निगम लि०  
शिकन्दरिया पार्क, मेरठ

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

PROVISIONAL  
SCHEDULE - 1D

**LOANS AND ADVANCES**

(Amount in Rs.)

PARTICULARS	As at 31.03.12	As at 31.03.11
<b>A. LOANS ( Secured/considered good )</b>		
Employees ( Including advances ) (Recoverable from salary )	730100	201338
<b>B. ADVANCES (Unsecured)</b>		
Suppliers / Contractors	2891049670	1949282735
<b>TOTAL</b>	<b>2891779770</b>	<b>1949484073</b>

  
(L.K. Gupta)  
Dy. Chief Accounts Officer

  
(P.K. Agarwal)  
Dy. General Manager (Acctt.)

  
(R.P. Gupta)  
Director(Finance)

  
(O.P. Jain)  
Managing Director



युवा अधिकारी (आचार्य)  
विद्युत वित्त विभाग (आचार्य)  
विद्युत वित्त विभाग, मेरठ



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

PROVISIONAL  
**SCHEDULE - II**

**CURRENT LIABILITIES AND PROVISIONS**

(Amount in Rs.)

PARTICULARS	As at 31.03.12	As at 31.03.11
Liability for Purchase of Power : M/S UPPCL	48543352856	3899010453
Wheeling Charges : M/S UPPCL	4412699030	182454410
Liabilities As per Transfer Scheme 2003	4148800000	4148800000
Staff Related Liabilities	803479255	844701480
Sundry Liabilities	13627114	17118246
Liabilities for Expenses	43825669	48807323
Power Purchase Liab. Dhampur Sugar Mill	(372923)	(372923)
Liability for Capital and O&M Supplies/Works	3513682343	2553668856
Financial contribution by consumers	(1512)	(1512)
Deposits & Retentions from Suppliers & Others	8523039946	761272147
Electricity Duty & Other Levies payable to Govt.	357067435	38940038
Deposit for Electrification works	1736531350	164129835
Other Liabilities payable to :	286684582	6297847
UPPCL	3832242334	338063640
Madhyanchal Vidyut Vitran Nigam Ltd	149366429	8573958
Purvanchal Vidyut Vitran Nigam Ltd	14580221	1458022
Dakshinanchal Vidyut Vitran Nigam Ltd	21354353	2385435
General Provident Fund	3000933243	2734714589
Pension and Gratuity	660339928	473008112
CPF	4031622	320772270
Interest Accrued but not Due on Borrowings	56397142	595978
Security Deposits from Consumers	7368012159	6414070646
Interest on Security Deposits from Consumers	266503334	202299149
Provisions :		
Provision for Audit Expenses	1913950	179295
Provision for unserviceable store	463100000	463100000
<b>TOTAL</b>	<b>79698149914</b>	<b>6438230910</b>

*(Signature)*  
**(M.K. Gupta)**  
Dy. Chief Accounts Officer

*(Signature)*  
**(P.K. Agarwal)**  
Dy. General Manager (Acctt.)

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

*(Signature)*  
**(O.P. Jain)**  
Managing Director



पश्चिम उत्तर प्रदेश विद्युत वितरण निगम लि.  
विद्युत वितरण विभाग, मेरठ  
पश्चिम उत्तर प्रदेश, मेरठ

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

PROVISIONAL  
SCHEDULE - 12

**REVENUE FROM SALE OF POWER**

(Amount in Rs.)

PARTICULARS	2011-12	2010-11
<b>Large Supply Consumers</b>		
Industrial	27350940324	22835699227
Irrigation	1992903	1788137
Non Industrial Bulk Load	35866538470	3278531271
Public Water Works	1114061638	985190543
<b>Small &amp; Others Consumers</b>		
Domestic	16047100519	13672776773
Commercial	5460898781	4663409457
Industrial Low & Medium Voltage	4783817826	4296327112
Public Lighting	805581308	668932729
STW & Pump Canals	898738003	841750751
PTW & Sewage Pumping	2270036480	2128793584
Institution	1027849782	838926416
Railway Traction	191472864	97968000
Miscellaneous Charges from consumers	60892210	106835775
Less – Energy internally Consumed	(102051177)	(82438538)
<b>Sub Total</b>	<b>63497869931</b>	<b>54334491237</b>
Electricity Duty	1421507332	1223454000
Gross Sale of Power	64919377263	55557945237
Less Electricity Duty	1421507332	1223454000
Net Sale of Power	63497869931	54334491237

**REVENUE SUBSIDIES AND GRANTS**

SCHEDULE - 13

(Amount in Rs.)

PARTICULARS	2011-12	2010-11
<b>A. Subsidies</b>		
R.E. Subsidy from Govt. of U.P.	974500000	978300000
Revenue Loss & Tariff Subsidy from Govt. of U.P.	9337600000	4818600000
<b>TOTAL</b>	<b>10312100000</b>	<b>57969000000</b>

*(Signature)*  
Dy. Chief Accounts Officer

*(Signature)*  
Dy. General Manager (Acctt.)

*(Signature)*  
Director(Finance)

*(Signature)*  
Managing Director



गुण वाक्येण (कार्यक्षम)  
पश्चिमांचल विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

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

PROVISIONAL  
SCHEDULE -14

OTHER INCOME

(Amount in Rs.)

PARTICULARS	2011-12	2010-11
Interest from loan to Staff *	36326	113522
Delayed Payment Charges from consumers	449071270	405245354
Interest from Bank	77721023	62355635
Income from Contractors/Suppliers	31661439	6351844
Rental from Staff	1137836	697108
Rebate for timely repayment of Loan	4563529	2562281
Miscellaneous Receipts	2435359	168407
Excess found on physical verification of Stores	149980	
<b>TOTAL</b>	<b>566776762</b>	<b>477494151</b>

\* Pertains to loan amount advanced during UPSEB period

SCHEDULE - 15

PURCHASE OF POWER

(Amount in Rs.)

PARTICULARS	2011-12	2010-11
<u>UPPCL</u>		
Power Purchase	68195058051	59134874743
Wheeling Charges	3265934032	2832032195
<b>TOTAL</b>	<b>71460992083</b>	<b>61966906938</b>

  
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(P.K. Agarwal)  
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Director(Finance)

  
(O.P. Jain)  
Managing Director



मुख्या अभियन्ता (आगोपन)  
पश्चिमोत्तर विद्युत वितरण निगम लि.  
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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,  
VICTORIA PARK, MEERUT**

PROVISIONAL  
SCHEDULE - 16

REPAIR & MAINTENANCE

(Amount in Rs.)

PARTICULARS	2011-12	2010-11
Plant & Machinery	690090594	536389011
Buildings	23614877	26435215
Lines, Cables net works etc.	966477683	808452411
Furniture & Fixtures	83032	133683
Office Equipments	2081220	1441146
Vehicle	13549895	
<b>TOTAL</b>	<b>1695897301</b>	<b>1372851466</b>

SCHEDULE - 17

EMPLOYEES COST

(Amount in Rs.)

PARTICULARS	2011-12	2010-11
Salaries & Allowances	1642286510	1574037384
Dearness Allowance	853404503	629614953
Other Allowances	126698187	83497663
Bonus	10892170	15168000
Medical Expenses	23497290	46264378
Leave Travel Assistance		29831
Earned Leave Encashment on retirement	122828507	91697351
Compensation	35000	2185480
Staff Welfare Expenses	2375656	1861595
Pension & Gratuity	371927735	440730467
CPF	38856455	14756297
Expenditure on Trust		4163275

<b>Sub Total</b>	<b>3192802013</b>	<b>2904006624</b>
<b>LESS - Expenses Capitalised</b>	<b>1369563785</b>	<b>826624251</b>
<b>TOTAL</b>	<b>1823238228</b>	<b>2077182373</b>

  
(K.K. Gupta)

Dy. Chief Accounts Officer

  
(P.K. Agarwal)

Dy. General Manager (Acctt.)

  
(R.P. Gupta)

Director(Finance)

  
(D.P. Jha)

Managing Director



युद्धा आभियन्ता (आभियन्ता)  
विद्युत वितरण निगम लिमिटेड  
विन्दीया पार्क, मेरठ

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

PROVISIONAL  
SCHEDULE - 18

**ADMINISTRATIVE, GENERAL & OTHER EXPENSES**

(Amount in Rs.)

PARTICULARS	2011-12	2010-11
Rent	3367480	2874103
Rates & Taxes	866307	4699668
Insurance	3983851	3645015
Telephone	20589535	35398874
Postage	4349261	
Legal Charges	16305108	15500984
Audit Fee	2354731	4820024
Traveling Expenses (Audit)	137513	159720
Consultancy Charges	16187113	27709583
Fees & Subscription	38746000	
Licence Fee to UPERC	24751187	27369430
Traveling and Conveyance	20547386	21736530
Printing and Stationery	106983464	18548982
Advertisement Expenses	102051177	82438538
Electricity Charges	32150	31215
Water Charges	213168630	129450429
Miscellaneous Expenses	574420893	374383095
<b>LESS - Expenses Capitalised</b>	140824945	87630328
<b>SUB TOTAL</b>	<b>433595948</b>	<b>2867522772</b>
<b>OTHER EXPENSES</b>		
Compensation staff	637140	972679
Compensation (Other than staff)	10097165	6484503
<b>SUB TOTAL</b>	<b>10734305</b>	<b>7457182</b>
<b>TOTAL</b>	<b>444330253</b>	<b>294209954</b>

*(Signature)*  
(L.K. Gupta)

Dy. Chief Accounts Officer

*(Signature)*  
(P.K. Agarwal)

Dy. General Manager (Acctt.)

*(Signature)*  
(R.P. Gupta)

Director(Finance)

*(Signature)*  
(O.P. Jain)

Managing Director



युवा अभियान (आरोग्य)  
विशालीय विद्युत विरण निगम लि.  
प्रेसिंग वार्क, मेरठ

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

PROVISIONAL  
SCHEDULE - 19

**INTEREST AND FINANCE CHARGES**


(Amount in Rs.)

PARTICULARS	2011-12	2010-11
Interest on Loans	189810553	189810553
Government of UP	43494142	196478798
PFC	838674	1677350
Others	169106883	197467326
APDRP	78501047	86609070
HUDCO	729311733	705190844
REC	159488165	173983558
Interest to Consumers		6754346
Finance Charges		
Bank Charges		
Others	777501	1265668
<b>SUB TOTAL</b>	<b>1371328698</b>	<b>1559237513</b>
LESS - Interest Capitalised		203604863
<b>TOTAL</b>	<b>1371328698</b>	<b>1355632650</b>

  
(M.K. Gupta)  
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Director(Finance)

  
(D.P. Jain)  
Managing Director



गुण अभियन्ता (वाणिज्य)  
पश्चिमांचल विद्युत वितरण निगम लि०  
विक्टोरिया पार्क, मेरठ

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

PROVISIONAL  
**SCHEDULE - 20**

**DEPRECIATION**

(Amount in Rs.)

PARTICULARS	2011-12	2010-11
Depreciation	1983405231	2144968700

Less - Equivalent amount of Depreciation on Assets acquired out of the Consumer's Contribution and GOUP's Capital Subsidy

(513969971)

(375722008)

<b>GRAND TOTAL</b>	<b>1469435260</b>	<b>1769246692</b>
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**SCHEDULE - 21**

**BAD DEBTS & PROVISIONS**

(Amount in Rs.)

PARTICULARS	2011-12	2010-11
Provision for Loss against theft of Fixed Assets pending investigation	10413083	78970631
Provision for Bad & Doubtful Dues from Staff on accounts of various reasons.	8281858	1909028
<b>GRAND TOTAL</b>	<b>18694941</b>	<b>80879659</b>

  
(L.K. Gupta)

Dy. Chief Accounts Officer

  
(P.K. Agarwal)

Dy. General Manager(Acctt.)

  
(R.P. Gupta)

Director(Finance)

  
(O.P. Jain)

Managing Director



मुख्य अभियन्ता (वाणिज्य),  
पश्चिमोत्तर विद्युत वितरण निगम, लि०  
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**PASCHIMANCHAL VIDYUT VITRAN NIGAM LTD.,  
VICTORIA PARK, MEERUT**

PROVISIONAL  
SCHEDULE -22

NET PRIOR PERIOD INCOME/(EXPENSES)

(Amount in Rs.)

PARTICULARS	2011-12	2010-11
<b>A. EXPENDITURE</b>		
i) Operating Expenses	850599	479304
ii) Employees Cost	48407383	12509188
iii) Adm. & General Expenses		353161
<b>GRAND TOTAL</b>	<b>(49257982)</b>	<b>(13341653)</b>

*(Signature)*  
(L.K. Gupta)

Dy. Chief/Accounts Officer

*(Signature)*  
(P.K. Agarwal)

Dy. General Manager(Acctt.)

*(Signature)*  
(R.P. Gupta)

Director(Finance)

*(Signature)*  
(O.P. JAIN)

Managing Director

MEERUT 0 17 NOV 2012

