

**PETITION FOR APPROVAL OF  
AGGREGATE REVENUE REQUIREMENT (ARR), EXPECTED  
REVENUE FROM CHARGES (ERC), TARIFF PROPOSAL FOR  
FY 2014-15  
OF  
ELECTRICITY DEPARTMENT, GOVERNMENT OF PUDUCHERRY  
SUBMITTED TO  
THE HON'BLE JOINT ELECTRICITY REGULATORY COMMISSION  
GURGAON**



**BY**

**ELECTRICITY DEPARTMENT, GOVERNMENT OF PUDUCHERRY**

**JANUARY 2014**

**BEFORE THE JOINT ELECTRICITY REGULATORY COMMISSION FOR THE STATE OF GOA, &  
UNION TERRITORIES, GURGAON**

Filing No.....

Case No.....

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**CHAPTER 1. INTRODUCTION****1.1 Historical Perspective**

1.1.1 The Union Territory of Puducherry is spread over an area of 492 sq. km, which comprises the four erstwhile French establishments of Puducherry, Karaikal, Mahe and Yanam. The total population of the UT of Puducherry is 12,44,464 as per provisional results of Census 2011.

- i. Puducherry region, which is the largest of all four, lies on the east coast, consisting of 12 scattered areas, surrounded by the State of Tamil Nadu and by the Bay of Bengal on the East.
- ii. Karaikal region is about 150 km South of Puducherry. Like Puducherry region, the Karaikal region is also surrounded by the State of Tamil Nadu and by the Bay of Bengal on the East.
- iii. Yanam region is located approximately 840 km north-east of Puducherry near Kakinada in Andhra Pradesh.
- iv. Mahe Region is located approximately 653 km away on the west coast of India, near Tellicherry in Kerala

1.1.2 Puducherry region is situated on the Coramandal Coast north of Pennaiyar River and is bounded by Bay of Bengal on the East and Cuddalore districts of Tamil Nadu on other sides. It has an area of 293 sq. km. Puducherry is not a contiguous area but interspersed with bits of territory of Tamil Nadu. Puducherry town is the capital of Union Territory.

Karaikal region lies 150 kilometres south of Puducherry and it is bounded on north, south and west by the Nagapattinam district of Tamil Nadu and on the east by Bay of Bengal. It has an area of 160 sq. km lying in the Cauvery Delta being irrigated by the canals of the Cauvery River. The soil is composed of sand and alluvial deposits which is suitable for paddy cultivation.

Mahe region is isolated from Puducherry by about 653 km and has an area of 9 sq. km and is located at a distance of about 6 km south of Tellichery town. Mahe town is situated on the southern bank of Mahe region.

Yanam region is situated on the East coast as a pocket in the East Godavari District of Andhra Pradesh and Lies at a distance of 28 km south of Kakinada town. This is the smallest of the 4 regions in terms of population even though it has an area of 30sq.

km. Yanam is built on the spot where the rivers of Godavari and Coringa separate and is bounded on the east and south by one or the other of these two rivers.

## 1.2 Electricity Department of Puducherry

1.2.1 Puducherry Electricity Department performs the functions of transmission and distribution of electric power to the Union Territory. The sole generating station in Puducherry is a 32.5 MW combined cycle gas power plant in Karaikal owned by the Puducherry Power Corporation Limited. The entire power requirement of Puducherry is met from the power allocated from the Central Generating Stations, Tamil Nadu Electricity Board, Kerala State Electricity Board and from the Puducherry Power Corporation Limited

1.2.2 PED operates a transmission network of 110 kV and 230 kV and distribution network at 33 kV, 22 kV, 11 kV and LT levels. The network configuration as on 31st March, 2013 is as given below:

**Table 1-1 Network Configuration (as on 31st march 2013)**

Voltage	Lines (Km)	Substations (Nos & capacity)	Transformation Capacity (MVA)
<b>Transmission</b>			
230 kV/110kV	54	3	560
132 kV/33-11 kV	44	1	36
110 kV/22-11 kV	280	13	499
<b>Distribution</b>			
33/11kV		1	10
22 kV & 11 kV (Overhead)	940	2235	540
22 kV & 11 kV (Underground)	67		
LT (Overhead)	2477		
LT (Underground)	801		

1.2.3 The Transmission and Distribution Losses and the AT&C Losses are comparatively lower than in many of the other states and Union Territories. The Transmission & Distribution loss of the system is estimated to be around 13.09% for the financial year 2012-13.

## 1.3 Consumer & Sales Mix

1.3.1 The petitioner would like to provide the details of number of consumers for last 6 years for each of the category in the table below:

Table 1-2: No of Consumers FY07 to FY13

Consumers [Nos]	FY09	FY10	FY11	FY12	FY13
Domestic	256,245	269,755	275847	281903	293742
Commercial	38,427	40,539	40531	41943	43479
Agriculture	8,960	6,810	6810	6828	6859
Street lighting	45,617	47,686	48167	48384	48485
Industrial	5,769	5,885	5955	6035	6142
LT total	355,018	370,675	377310	385093	398707
HT I	420	379	394	401	419
HT II	32	40	41	43	45
HT III	5	6	7	7	7
HT total	457	425	442	451	471
<b>Total consumers</b>	<b>355,475</b>	<b>371,100</b>	377,752	385544	399178

1.3.2 The total consumption of power in Puducherry for 2012-13 across various categories is given below:

Table 1-3: Power Consumption across categories FY 12-13

Sr. No.	Category of Consumer	Energy Sale/ Demand (MUs)
1	2	4
<b>A</b>	Domestic & Cottage	
1(a)	0 - 100	135
	101 - 200	93
	201 - 300	112
	>300	241
	OHOB	10
1(b)	<b>Total</b>	<b>591</b>
1(c)	Commercial	-
	0 - 100	11
	101 - 250	17
	> 250	155
	<b>Total</b>	<b>182</b>
	Agriculture	-
	Small farmers	10
3 (a)	Other farmers	47
	<b>Total</b>	<b>57</b>
	Public lighting	-
3 (b)	<b>Total</b>	<b>28</b>
	LT Industrial	-
3(a)	0 - 1000	84
4	> 1000	58
5	Water tank	55
6	<b>Total</b>	<b>197</b>
	Temporary supply - LT&HT	-
<b>B</b>	<b>Total</b>	<b>20</b>
7	<b>Total LT</b>	<b>1,076</b>
8(a)	HT 1 Industrial	-
8(b)	(A) - CD < 2000	-
8(c)	0 - 100000	71
9	>100000	327
	(B) - 2000 < CD < 5000	-
	>0	561
	(C) CD > 5000	-
10	>0	57
11	<b>Total</b>	<b>1,015</b>
12	HT 2 - Government & water tank	-
13	<b>Total</b>	<b>45</b>
14	HT 3 - EHT	-
	<b>Total</b>	<b>339</b>
	<b>Total HT</b>	<b>1,399</b>
	<b>Total</b>	<b>2,475</b>

**1.4 Power Availability Scenario**

- 1.4.1 At present, the Petitioner has allocation from the various CGS stations like National Thermal Power Corporation Limited, Nuclear Power Corporation of India Limited, Neyveli Lignite Corporation Limited etc.
- 1.4.2 PED also purchases power from TANGEDCO (erstwhile TNEB) and KSEB. Within the UT power purchase is done from the Pondicherry Power Corporation Limited.
- 1.4.3 PED submits that it has an allocation from Kudankulam Nuclear Power Plant of NPCIL from which it will be buying for H2 of FY 13-14 onwards. The allocation is 3.3% and comes to about 67 MW.

**1.5 True-up for FY 2012-13**

- 1.5.1 PED had submitted the revised estimates for FY 2012-13 in the tariff petition for FY 13-14. However in the absence of audited accounts of FY 2012-13 PED submits the provisional actual for FY 12-13 in this petition. PED submits that it will file a separate true up petition for the FY 12-13 once the audited accounts for FY 12-13 are available.

**1.6 Filing of Review for FY 2013-14**

- 1.6.1 PED had submitted the ARR and Tariff Petition for the FY 2013-14 on 10<sup>th</sup> January 2013. While submitting the ARR and Tariff Petition for FY 2013-14; PED had considered 6 months actual data/ information for Power Purchase and sales for the purpose of projection for FY 2012-13. The ARR submitted for FY 2013-14 were based on the projection over the previous year, i.e. FY 2012-13. The present filing for Review of FY 2013-14 is based on 6 months of provisional actual data/ information of FY 2013-14 i.e from April 2013 to September 2013. The ARR for next 6 months is estimated accordingly and revised estimates for FY 2013-14 are prepared and submitted before Hon'ble Commission for review.

**1.7 Filing of ARR and Tariff Petition for the year FY 2014-15**

- 1.7.1 Under the provisions of Electricity Act, 2003, Licensee is required to submit its ARR and Tariff Petition as per procedures outlined in section 61, 62 and 64 of EA 2003, and the governing regulations of JERC thereof.
- 1.7.2 PED has adopted the principles of Terms and Conditions for Determination of Tariff Regulations 2009 (Tariff Regulations 2009) notified by the Joint Electricity Regulatory Commission. Accordingly, PED is filing the present petition of Annual Revenue Requirement (ARR) for the FY 2014-15 as per Tariff Regulations 2009 for the approval of Hon'ble Commission. The tariff formats as outlined in the Tariff Regulations 2009 and as applicable to PED are provided at the end of this petition.

1.7.3 As per the Terms & Conditions for Determination of Tariff Regulations 2009, PED was required to file the ARR and the Tariff Petition for the Financial Year, 2014-15 by the 30<sup>th</sup> November, 2013. However there was delay in filing due to reasons as discussed below and an Affidavit for extension has been filed before Hon'ble Commission:

- Hon'ble JERC was in process of issuing MYT Regulations and accordingly PED had prepared tender for appointment of consultants for Business Plan and MYT petitions. However due to deferment of MYT Regulations, the process of appointment/ selection of consultant also got delayed.
- Further to the compilation by PED, the Petition needs Administrative and Finance approval of Government of Puducherry, which would also take considerable time to finalise/ approve the said Petition.

1.7.4 PED is now filing this petition for approval of Hon'ble Commission and requests the Hon`ble Commission to condone the delay in filing. The details are provided in subsequent chapters.

**CHAPTER 2. OVERALL APPROACH FOR PRESENT FILING**

The Hon'ble Commission had notified the Joint Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations 2009. In line with the same, PED has been filing the ARR petitions for consideration of the Hon'ble Commission in the formats laid down for providing information relating to past, present and future performance. In this petition, Puducherry Electricity Department is filing the performance review for FY 2013-14 along with ARR of FY 2014-15.

**2.1 Truing Up For FY 2012-13**

2.1.1 As specified in the Tariff Regulations, the Hon'ble Commission shall undertake the truing-up exercise for the previous year based on audited accounts. PED submits that it is in process of third party audit of accounts for FY 2011-12. PED- shall approach Hon'ble Commission for truing-up of FY 2011-12 & FY 2012-13 at a later date when audited accounts are available. However at present the provisional actual figures of FY 2012-13 are made available for ARR & tariff petition exercise purpose in next chapter.

**2.2 Annual Performance Review for FY 2013-14**

2.2.1 As specified in the Tariff Regulations, the Hon'ble Commission shall undertake the Annual Performance Review by considering variations between the approved and revised estimates/pre-actual of sale of electricity, income and expenditure for the relevant year.

2.2.2 Accordingly, PED is filing this Annual Performance Review petition for the year FY 2013-14 based on the actual performance during the 1<sup>st</sup> half of the year and the revised estimates for the second half of the year.

**2.3 Annual Revenue Requirement and Tariff Petition for FY 2014-15**

2.3.1 PED is filing the petition for the determination of Annual Revenue Requirement Petition for the year FY 2014-15 based on the past performance and expected changes in each element of cost and revenue for the ensuing year. PED has studied the previous trends and taken cognisance of other internal and external developments to estimate the likely performance for FY 2014-15.

**2.4 Approach for Filing ARR and Tariff Petition for FY 2014-15**

2.4.1 The present filing for the Annual Revenue Requirement for the FY 2014-15 is based on the principles enumerated by the Joint Electricity Regulatory Commission's (JERC) in the Terms and Conditions for determining of Tariff, Regulations 2009 notified in February 2010. The subsequent sections provide projection for various expenses, the

proposed investment plan for the year and the expected revenue projections with existing tariff for FY 2014-15 based on the tariff notifications in force in the area of supply of PED.

- 2.4.2 Projections of various cost components required for determination of Aggregate Revenue Requirement for FY 2014-15 along with the rationale for estimation of such cost is covered in this section. Further, the philosophy adopted by PED for projecting sales, number of consumers and power purchase cost for FY 2014-15 has also been elucidated in this section.



**CHAPTER 3. PROVISIONAL ACTUAL PERFORMANCE FOR FY 2012-13****3.1 Status of Truing-up for FY 2012-13**

PED as per directive of Hon'ble Commission has appointed Consultant for preparation and finalisation of Financial Statements for FY 2012-13 required for truing-up purposes.

**3.2 Provisional Actual Energy Balance for FY 2012-13**

3.2.1 PED in this chapter submits the provisional actual energy balance for FY 2012-13 as against revised approved figures by Hon'ble Commission.

**Table 3-1: Provisional Actual Energy Balance for FY 2012-13**

Sr. No.	Item	Submitted	Approved	Revised
1	Total Sales within the UT (MUs)	2382.52	2348.49	2,475.00
2	Sales- UI/ Export to Exchange (MUs)	470.89	145.87	347.06
3	Total Sales (MUs)	2853.41	2494.36	2,822.06
4	Loss (%)	13.00%	12.50%	13.09%
5	<b>Total Energy Requirement (MUs)</b>	<b>3209.42</b>	<b>2829.86</b>	<b>3,194.82</b>
1	<b>Energy Availability</b>			
2	Gross Energy Purchase (MUs)	3358.36	2944.74	3,317.70
3	Transmission Losses (MUs)	148.94	114.88	122.87
4	<b>Energy Availability at Periphery (MUs)</b>	<b>3209.42</b>	<b>2829.86</b>	<b>3,194.82</b>

**3.3 Provisional Actual Financial Performance for FY 2012-13**

3.3.1 The details of each and every parameter for FY 2012-13 on provisional actual basis have been provided in the Tariff Filing Formats.

3.3.2 However the summary of ARR for FY 2012-13 as against revised approved figures by Hon'ble Commission is provided in the table below for reference and future projections/ trend purposes.

Table 3-2: Provisional Actual ARR for FY 2012-13

Rs. Crs

Sr. No.	Item of expense	Submitted	Approved	Provisional Actual
1	2	3	4	5
1	Cost of fuel			-
2	Cost of power purchase	1027.40	893.23	988.74
3	Employee costs	60.97	58.4	57.32
4	R&M expenses	17.06	17.06	19.76
5	Administration and General expenses	4.93	4.84	2.56
6	Depreciation	23.39	23.39	21.78
7	Interest on Loan & Finance charges	2.27	11.37	2.27
8	Interest on Working Capital + Interest on CSD	13.65	12.67	9.32
9	Return on NFA /Equity	10.03	9.96	10.03
10	Provision for Bad Debt	-	-	-
11	CGRF Expenses			-
<b>12</b>	<b>Total Revenue Requirement</b>	<b>1159.70</b>	<b>1030.92</b>	<b>1,111.76</b>
13	Less: Non Tariff Income	163.02	51.88	106.89
<b>14</b>	<b>Net Revenue Requirement</b>	<b>996.68</b>	<b>979.04</b>	<b>1,004.87</b>
15	Revenue from Retail Sales at Existing Tariff including FPPCA Charges	792.60	799.94	853.00
<b>16</b>	<b>Net Gap</b>	<b>204.00</b>	<b>179.10</b>	<b>151.87</b>

3.3.3 PED submits Hon'ble Commission that it would approach separately for filing petition for true-up of FY 2011-12 and FY 2012-13 once the same are finalised by Statutory Auditors.

**CHAPTER 4. ANNUAL PERFORMANCE REVIEW FOR FY 2013-14****4.1 Background to FY 2013-14 Petition**

4.1.1 Puducherry Electricity Department (PED) had filed a petition for review of FY 2012-13 and ARR for FY 2013-14, before the Honourable Joint Electricity Regulatory Commission on 15<sup>th</sup> January 2013.

4.1.2 The Honourable Joint Electricity Regulatory Commission after undertaking a thorough analysis had issued the ARR Order for Financial Year 2013-14 along with the ARR for FY 2009-10, FY 2010-11 and FY 2012-13 on 10<sup>th</sup> April 2013.

4.1.3 This chapter summarizes each of the components of ARR for FY 2013-14 and requests the Hon'ble Commission to review the performance for FY 2013-14. The Annual Performance Review for FY 2013-14 is based on actual data/ information for first 6 months (First Half – H1) and as per the performance of PED and estimation/projections for second 6 months (Second Half – H2). The projections for the second 6 months are arrived at based on the performance over the first half data/ information.

**4.2 Review for FY 2013-14**

4.2.1 The summary of the charges for FY 2013-14 as claimed by the petitioner in the revised estimates and as approved by the Honourable Commission in the previous Tariff Order is tabulated below:

**Table 4-1: Review of FY 2013-14**

	Rs. Crs	
Particulars	Claimed by Petitioner	Approved by Commission
Cost of Power Purchase	1049.64	924.91
Employee Costs	67.60	62.75
A&G Expenses	5.35	5.27
R&M Expenses	17.64	17.64
Depreciation	25.03	25.03
Advance Against Depreciation	-	-
Interest & Finance Charges	2.13	15.13
Interest on Working Capital	13.78	12.41
Provision for Bad Debts	-	-
Return @ 3 % of NFA	10.95	10.88
Less: Non-Tariff Income	144.30	2.00
<b>Aggregate Revenue Requirement</b>	<b>1140.43</b>	<b>1072.02</b>

### 4.3 Number of Consumers

4.3.1 PED had provided a revised estimate of 407,115 consumers in its revised estimates for FY 2013-14 which had been approved by the Commission. Based on the unaudited accounts, PED submits before the Commission that the actual consumer numbers for FY 2013-14 stands at 407,115. A comparison of these numbers is shown below:

**Table 4-2: Details of No. of Consumer Numbers for FY 2013-14**

Category of Consumers	Approved by Commission	Revised Estimates
<b>LT</b>		
Domestic	299,772	299,772
Commercial	44,485	44,485
Agriculture	6,842	6,842
Public Lighting	49,326	49,326
Industrial	6,221	6,221
Temporary Supply	-	-
<b>Total LT</b>	<b>406,646</b>	<b>406,646</b>
<b>HT</b>		
Industrial	411	411
State & Central Govt Establishments	49	49
Industrial EHT	9	9
<b>Total HT</b>	<b>469</b>	<b>469</b>
<b>Total</b>	<b>407,115</b>	<b>407,115</b>

4.3.2 It is requested to Hon'ble Commission to consider the number of consumers as submitted in the above table for FY 2013-14.

### 4.4 Connected Load

4.4.1 The petitioner hereby submits that there is a decrease of connected load in revised estimates in comparison to the earlier submission of the petitioner and corresponding approved load by the Commission in the tariff order for FY 13-14 for few categories.

4.4.2 The revised estimates of the connected load category wise are as shown below.

**Table 4-3: Connected Load FY 2013-14**

Consumer Category (Connected Load Units in HP/kVA)	Submitted	Approved	Revised Estimates
Domestic	-	-	-
Commercial	-	-	-
Agriculture (HP)	59,660	59,660	59,538
Street Lighting	-	-	-
LT Industrial	-	-	-
Temporary Supply	-	-	-

Consumer Category (Connected Load Units in HP/kVA)	Submitted	Approved	Revised Estimates
HT Industrial (kVA) (HT 1)	251,969	251,969	230,680
HT State and Central Govt Establishments (kVA) (HT 2)	14,265	14,265	14,265
HT Industrial Extra High Tension (kVA) (HT 3)	80,495	80,495	80,495

4.4.3 It is requested to Hon'ble Commission to consider connected load as submitted in the above table for FY 2013-14.

#### 4.5 Energy Sales

4.5.1 PED had projected sales of **2,450.00** MUs for FY 2013-14. The Commission had approved sales of 2434.79 MU in its order. The category wise sales are shown in the table below with revised estimates:

Table 4-4: Sales for FY2013-14

Category of Consumers	MU's		
	Claimed by Petitioner	Approved by Commission	Revised Estimates
LT			
Domestic	625.70	564.33	614.00
Commercial	190.08	179.81	180.00
Agriculture	56.56	56.74	57.00
Public Lighting	28.39	26.76	28.00
Industrial	205.62	213.1	247.00
Temporary Supply	20.00	20.00	20.00
<b>Total LT</b>	<b>1126.36</b>	<b>1060.74</b>	<b>1,146.00</b>
HT			
Industrial	969.94	977.75	948.00
State & Central Govt Establishments	50.21	50.21	47.00
Industrial EHT	323.79	346.08	309.00
Temporary Supply			
<b>Total HT</b>	<b>1343.94</b>	<b>1374.04</b>	<b>1,304.00</b>
<b>Total</b>	<b>2470.30</b>	<b>2434.79</b>	<b>2,450.00</b>

4.5.2 It is requested to Hon'ble Commission to approve the revised sales of **2,450** MUs for FY 2013-14.

#### 4.6 Distribution Loss & Energy Requirement

4.6.1 PED has submitted revised estimate of **13.00%** as the energy losses for FY 2013-14. The Commission had allowed a figure of 12.5%. The information regarding the loss levels based on unaudited accounts is shown in the table below –

Table 4-5: AT&C Loss for FY 2013-14

S.No	Particulars	Calculation	Unit	Revised Estimate
				FY 2013-14
1	Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of DISCOM	A	MU	230
2	Input energy (metered Import) received at interface points of DISCOM network.	B	MU	2,679
3	Input energy (metered Export) by the DISCOM at interface points of DISCOM network.	C	MU	93
4	<b>Total energy available for sale within the licensed area to the consumers of the DISCOM</b>	<b>D=A+B-C</b>	<b>MU</b>	<b>2,816</b>
5	Energy billed to metered consumers within the licensed area of the DISCOM	E	MU	2,383
6	Energy billed to un-metered consumers within the licensed area of the DISCOM	F	MU	67
7	<b>Total energy billed</b>	<b>G=E+F</b>	<b>MU</b>	<b>2,450</b>
8	Amount billed to consumer within the licensed area of DISCOM (inc. FPPCA)	H	Rs. Crs	1,089
9	Amount realized by the DISCOM out of the amount Billed at H	I	Rs. Crs	1,035
10	<b>Collection efficiency (%) (= Revenue realized/ Amount billed)</b>	<b>J=(I/H)x100</b>	<b>%</b>	<b>95%</b>
11	<b>Energy realized by the DISCOM</b>	<b>K=JxG</b>	<b>MU</b>	<b>2,328</b>
12	<b>Distribution loss (%)</b>	<b>L={(D-G)/D}x100</b>	<b>%</b>	<b>13.00%</b>
13	<b>AT&amp;C Loss (%)</b>	<b>M={(D-K)/D}x100</b>	<b>%</b>	<b>17.35%</b>

4.6.2 It is requested to the Commission to approve Distribution Loss of **13.00%** and AT&C Loss of **17.35%** as submitted above.

#### 4.7 Energy Balance

4.7.1 The total energy requirement in the territory of Puducherry is **2,908.62** MU in the revised estimates as against the 3,266.23 MU projected in FY 13-14 petition. PED hereby submits that the H2 power purchase is projected on the principles of MOD. PED hereby resubmits its Energy balance for the FY 2013-14.

Table 4-6: Energy Balance FY 2013-14

MUs			
Particulars	Claimed by Petitioner	Approved by Commission	Revised Estimates
<b>Energy Requirement</b>			
Total Sales within the UT	2470.30	2434.79	2,450.00
Sales- UI	426.80	-	92.53
T&D Losses	13.00%	12.50%	13.00%
Total Energy Requirement	<b>3266.23</b>	<b>2782.61</b>	<b>2,908.62</b>
<b>Energy Availability</b>			
Gross Energy Availability	3419.20	2909.94	3,019.73
External Losses	152.97	127.33	111.12
Energy Availability at Periphery	<b>3266.23</b>	<b>2782.61</b>	<b>2,908.62</b>

4.7.2 It is requested to the Hon'ble Commission to approve the Energy Balance as submitted in the table above.

#### 4.8 Power Purchase Quantum & Cost for FY 13-14

##### 4.8.1 Cost of Power Purchase for H1 FY 2013-14

4.8.1.1 PED meets its total energy requirement from its allocation from the Central Generating Stations (CGS) and state utilities like TANGEDCO, KSEB and PPCL. PPCL is within the UT generating company that caters for PED requirement. KSEB supplies for the Mahe region under the Puducherry UT.

4.8.1.2 The table below shows the summary of Power Purchase from various sources along with their costs for the 1<sup>st</sup> half of FY 2013-14 including Transmission Charges, UI charges and purchase from traders.

Table 4-7: Power Purchase Quantum &amp; Cost for H1-FY 13

Sr No	Particulars	Purchase (MUs)	Cost (Rs.Cr)	Rate (Rs/Unit)
1	<b>NTPC</b>	711.14	195.69	2.75
2	<b>NLC</b>	427.40	129.43	3.03
3	<b>NPCIL</b>	144.38	43.43	3.01
4	<b>KSEB</b>	20.19	11.21	5.55
5	<b>TANGEDCO</b>	152.06	53.02	3.56
6	<b>PPCL</b>	123.07	45.16	3.67
7	<b>Vallur</b>	2.95	8.23	-
8	<b>Transmission Charges</b>		25.49	-
9	<b>Over Drawal</b>	11.77	2.56	2.56
	<b>Total</b>	<b>1,592.96</b>	<b>514.22</b>	<b>3.23</b>

#### 4.8.2 Cost of Power Purchase for FY 2013-14

4.8.2.1 **Power Purchase quantum for FY14 (H1 + H2):** For the year FY 2013-14, ED – Puducherry has projected the Power Purchase by considering the actual power purchase for the 1<sup>st</sup> half of the year FY 2013-14 (i.e. Apr 13 – Sep 14) and considering power purchase under the principle of MOD for second half H2 FY 13-14. The key assumptions for power purchase costs are as under:

- a. **MOD for H2 FY 13-14:** the power purchase for second half has been considered under the principle of MOD. The must run stations has been identified as all the NPCIL plants, KSEB, TNEB and PPCL. The remaining amount of power is envisaged to be purchased from the remaining available sources. The Power purchase under MOD has been arrived at as follows:

**Table 4-8: Power Purchase for H2- FY 13-14 on MOD Basis**

		MU	VC(Ps/unit)	FC	VC	Total
Must Run	NPCIL	159.98		-	46.68	48.08
	others	264.61		8.86	86.29	95.08
Others	talcher	224.05	153.43	3.24	34.38	38.73
	TPS Expn	65.46	200.66	7.64	13.14	21.54
	RSTPS I&II	343.72	204.03	26.80	70.13	97.04
	Simhdri	53.71	207.90	10.81	11.17	22.00
	TPS II stg II	89.99	215.76	6.13	19.42	26.15
	TPS II Stage I	225.25	216.01	14.60	48.66	65.66
	vallur		916.72	(1.67)		(1.67)
	RSTPS III		223.17	9.27		9.30
	t/n charges					29.77
<b>Total</b>						<b>451.68</b>

- b. The fixed charges for all the generating stations have been taken same as approved by the Commission in the last tariff order for FY 13-14.
- c. The variable cost for FY 2013-14 has been computed considering actual average variable cost of each source for first six months period of April-September 2013. It is submitted that no escalation of cost has been considered.
- d. The other costs which includes ED, Cess, Incentive, MOPA etc and supplementary charges are considered on actual basis paid in first six months period of April-September 2013 and are assumed to be same for H2 also as ED- Puducherry is receiving bills with such charges.
- e. The power purchase cost for power over-drawl from grid is considered on actual basis paid in first six months period of April-September 2013 only. For H2 over-drawl is not assumed under the principle of MOD



- f. PED submits that it is obliged to comply with the Renewable Purchase Obligation of 3%. The RPO compliance cost is also included in the PP cost which was arrived upon as follows.

**Table 4-9: RPO Compliance Cost for FY 2012-13**

Year	Sales (MU)	Solar PO (REC)	Non-Solar PO (REC)	Solar REC cost (Rs/REC)	Non-Solar REC Cost (Rs/REC)	Total Cost (Rs. Cr)
2013-14	2,450	9,800	63,700	9,500	1,500	18.87

- g. The Transmission Charges for FY 2013-14 are considered as per POC computation, i.e. Part A - Transmission charge for withdrawal of power and Part B - Transmission charges of generators. Further, the transmission charge has also been considered factoring the wheeling charges pertaining to PCKL. The transmission charges for 2<sup>nd</sup> half of FY 13-14 are computed based on the RTA Statement for November 2013. The computation of transmission charges for Part-A and part-B is provided in the table below:

**Table 4-10: Part- A Transmission Charge for Withdrawal of Power**

Regions	Rates Rs/Mw/ Month	Monthly Quantum (MW)	Oct 2012 to March 2013 (6 months) - MW	Total Charges (Rs.Crs)
Southern Region	71,818.00	332.12	1,993	14.31
				-
<b>Total</b>				<b>14.31</b>

**Table 4-11: Part- B Transmission Charge for Withdrawal of Power**

Stations	Rates Rs/Mw/ Month *	Monthly Quantum (MW) *	Total Charges (Rs.Crs)	Share of ED- Puducherry*	Share of ED- Puducherry (Rs.Crores)
RSTPS Stage I & II	71818	1,948.00	13.99	4.220%	0.59
RSTPS Stage III	71818	467.8	3.36	2.800%	0.09
Talcher	71818	1,870.00	13.43	3.520%	0.47
Simhadri	86181	940.00	8.10	1.410%	0.11
			-		-
TPS Stage I	71818	517.00	3.71	12.520%	0.46
TPS Stage II	71818	706.00	5.07	3.200%	0.16
TPS I Expn	71818	380.00	2.73	4.030%	0.11
			-		-
MAPS	101818	393.80	4.01	1.820%	0.07
KAPS unit 1 & II	71818	393.80	2.83	4.310%	0.12
KAPS Unit 3 & 4	71818	393.80	2.83	3.850%	0.11
Vallur	71818	935.00	6.71	1.690%	0.11
			-		-
			-		-
			-		-
<b>Total - (Rs.)</b>			<b>66.77</b>		<b>2.43</b>
<b>Total for 6 Months (Rs.Crs)</b>					<b>14.55</b>

\*Figures as per the RTA bill for Nov 2013 (SR)

Table 4-12: Total Transmission Charges for FY 2013-14 H2

Particulars	Rs.Crs
Part - A Transmission Charges (Oct13-Mar 2014)	14.31
Part - B Transmission Charges (Oct13-Mar 2014)	14.55
PCKL Charges (FY2012-13 H2)	0.43
Fees and charges of SLDC - SR	0.48
SCADA charges	
Reactive charges	-
Impact of CERC Order dt (for Revised RLDC Charges)	-
<b>Total Transmission Charges (Oct13-Mar 2014)</b>	<b>29.77</b>

#### 4.8.3 Power Purchase Cost Summary for FY 13-14

Table 4-13: Power Purchase Cost for FY 13-14

Power Purchase Sources	Purchase (MUs)	Cost (Rs. Cr)	Rate (Rs/Unit)
NTPC	1,332.62	362.76	2.72
NLC	808.10	242.78	3.00
NPCIL	304.35	91.51	3.01
KSEB	40.38	19.65	4.87
TNEB	289.48	100.73	3.57
PPCL	230.07	84.09	3.65
Vallur	2.95	6.57	-
Transmission Charges		55.26	
Over Drawl	11.77	2.56	2.17
RPO		18.87	
<b>Total</b>	<b>3019.73</b>	<b>984.77</b>	<b>3.26</b>

4.8.4 The Petitioner hereby requests the Commission to approve the power purchase cost of Rs. **984.77 Crores** as submitted above.

#### 4.9 Operation & Maintenance Expenses

4.9.1 Operation & Maintenance Expenses consists of three elements viz Employee Expenses, A&G Expense and R&M Expense:

- Employee expenses comprise of salaries, dearness allowance, bonus, terminal benefits in the form of pension & gratuity, leave encashment and staff welfare expenses
- Administrative expenses mainly comprise of rents, telephone and other communication expenses, professional charges, conveyance and travelling allowances and other debits.

- Repairs and Maintenance Expenses go towards the day to day upkeep of the distribution network of the Company and form an integral part of the Company's efforts towards reliable and quality power supply as also in the reduction of losses in the system.

4.9.2 Regulation 27 (3) of JERC for the State of Goa and Union Territories (Terms and Conditions for Determination of Tariff) Regulations, 2009 provides for O&M Expense for a distribution licensee. The relevant regulation is re-produced hereunder:

*“27 (3) O&M expenses for distribution functions shall be determined by the Commission as follows:*

- a) O&M expenses as approved by the Commission for the first time for a year shall be considered as base O&M expenses for determination of O&M expenses for subsequent years;*

*Base O&M expenses as above shall be adjusted according to variation in the rate of WPI per annum to determine the O&M expenses for subsequent year, where WPI is the Wholesale Price Index on April 1 of the relevant year.....”*

4.9.3 **Employee Expenses for FY 2013-14:** PED has computed the O&M (Employee) expense for FY 2013-14 based on the actual employee expenses till September 2013. PED hereby submits that the employee cost for H1 FY 13-14 shown are the actual and the employee cost for the entire year has been arrived at considering the budget estimates of the department for the same year.

4.9.4 The employee cost capitalized is also taken into consideration after considering the employee cost linked to accounts with capital nature. Accordingly, PED has is revising the employee cost for the current year to **Rs. 69.69 Crores** and requests the Commission to approve the same.

**Table 4-14: Employee Expenses for FY 2013-14 Revised Estimates**

Rs. Crores			
Particulars	Claimed by Petitioner	Approved by Commission	Revised Estimates
Employee Expenses	67.60	62.75	69.69

4.9.5 The head wise actual information for employee expenses has been provided in **Format 16 of Tariff Filing Format**. The Petitioner hereby requests the Commission to approve the revised estimates for employee costs as shown above.

- 4.9.6 **Repairs & Maintenance Expenses for FY 2013-14:** The H1 FY 13-14 expense is the actual expense the petitioner has incurred in the first half of current fiscal year. The revised R&M expense for the current year has been arrived by considering an escalation factor of 2% above the last years provisional actual, to be on the conservative side.

Table 4-15: R&amp;M Expenses for FY 2013-14 Revised Estimates

Rs. Crores

Particulars	Claimed by Petitioner	Approved by Commission	Revised Estimates
R&M Expenses	17.64	17.64	20.15

- 4.9.7 In view of the above, the Honourable Commission is requested to kindly allow the above Repair and Maintenance Expenses of **Rs. 20.15 Crores** for FY 2013-14.

- 4.9.8 **Administration & General expenses for FY 2013-14:** the administrative expense mainly comprise of rents, professional charges, office expenses, etc against which the expenses incurred by the petitioner in first half of FY 13-14 has been considered to arrive at the revised estimates of FY 13-14.

- 4.9.9 The Petitioner submits the revised estimate of **Rs. 3.96 Crores** for A&G Expense for FY 13-14 as below and requests Commission to approve the same:

Table 4-16 A&amp;G Expenses for FY 2012-13 in the Revised Estimate

Rs. Crores

Particulars ( Rs. Cr)	Claimed by Petitioner	Approved by Commission	Revised Estimates
A&G Expenses	5.35	5.27	3.96

- 4.9.10 There is a slight decrease in the Administrative and General Expenses as per the last year submission which is subjected to the provisional actual figures.

- 4.9.11 **O&M Expenses Summary FY 2013-14:** Based on the foregoing paragraphs, the revised O&M expenses for the year FY 2013-14 vis-a-vis the approved level by the Hon'ble Commission is shown in the table below:

Table 4-17: O&amp;M Expenses for FY 2013-14

Rs. Crores

Particulars	Claimed by Petitioner	Approved by Commission	Revised Estimates
Employee Expenses	67.60	62.75	69.69
R&M Expense	17.64	17.64	20.15
A&G Expense	5.35	5.27	3.96
<b>Total</b>	<b>90.58</b>	<b>85.65</b>	<b>93.80</b>

4.9.12 The Hon'ble Commission is requested to approve the O&M Expenses of **Rs. 93.80 Crores** as shown in the table above. The details of O&M expense for FY 2013-14 are provided in the **Formats 14, 16 & 17 of the Tariff Filing Formats.**

#### 4.10 Capital Work in Progress, GFA and Depreciation

4.10.1 **GFA:** The Opening Balance of GFA for FY 2013-14 comes to around Rs 541.27 Crores. The additions to GFA are estimated to be around Rs. 10.00 Crores; the details of which are provided in the table below:

**Table 4-18 : GFA Revised Estimates**

Rs. Crores			
Particulars	Claimed by Petitioner	Approved by Commission	Revised Estimates
Opening Value of Assets at the beginning of the year	545.84	545.84	541.27
Additions during the year	34.63	34.63	10.00
Value of Assets sold/ disposed off	-	-	-
<b>Gross Fixed Assets at the end of the year</b>	<b>580.47</b>	<b>580.47</b>	<b>551.27</b>

4.10.2 The petitioner hereby requests the Commission to approve the revised estimates for Gross Fixed Assets as submitted above.

4.10.3 **Depreciation:** "As per Regulation 26 of JERC Tariff Regulations, depreciation for the assets shall be calculated annually at the rates specified by CERC from time to time. The same have been applied on different asset categories.

4.10.4 The Gross Fixed Assets, Accumulated Depreciation and Net Fixed Assets for FY 2013-14 are tabulated below:

**Table 4-19: Net Fixed Asset for FY 2013-14**

Rs. Crores	
Particulars	FY 2013-14
Gross Fixed Assets	541.27
Less: Accumulated Depreciation	250.98
<b>Net Fixed Assets</b>	<b>328.47 *</b>

\* Net Fixed assets arrived at after taking into consideration CWIP and Opening Debt

4.10.5 The rates of depreciation for various assets as used are tabulated below:

**Table 4-20: Rate of Depreciation applicable for various assets in FY 2013-14**

Description of Assets	Rate of Depreciation
Land and Land Rights	--
Building	3.34%
Plant and Machinery	5.28%
Lines and Cables	5.28%
Office Equipment	6.33%
IT Equipment	15.00%
Vehicles	9.50%
Furniture and Fixtures	6.33%
Testing and measuring equipment	5.28%
SCADA centre	5.28%

4.10.6 As per the GFA and the applicable depreciation rates PED has calculated the depreciation for the year FY 13-14 as **23.65 Crores**. The table shows the working of the depreciation.

**Table 4-21 : Depreciation Revised Estimates**

Particulars	Rs. Crores		
	Claimed by Petitioner	Approved by Commission	Revised Estimates
Opening Value of Assets at the beginning of the year	545.84	545.84	541.27
Additions during the year	34.63	34.63	10.00
Gross Fixed Assets at the end of the year	580.47	580.47	551.27
<b>Depreciation</b>	<b>25.03</b>	<b>25.03</b>	<b>23.65</b>

4.10.7 The Petitioner hereby requests the Commission to approve the revised estimates of depreciation as submitted above.

#### **4.11 Interest & Finance Charge**

4.11.1 The Regulation 25 provides for Interest and Finance Charges on Loan. PED has submitted that the majority of capital assets are created out of the equity contribution from Government of Puducherry and the actual borrowing of loan is only to the extent of the APDRP schemes.. The table below shows the Interest and Finance Charges vis-a-vis approved by the Hon'ble Commission. The Interest and Finance Charges as per the revised estimates for FY 2013-14 is Rs. 3.87 crore. The summary of Interest and Finance Charges as claimed by the petitioner in the revised estimate for FY 2013-14, as approved by the Commission for FY 2013-14, is tabulated below:

Table 4-22: Interest &amp; Finance Charges for FY 2013-14 in the revised estimates

Rs. Crores			
Particulars	Claimed by Petitioner	Approved by Commission	Revised Estimates
Interest & Finance Charges	2.13	15.13	3.87

4.11.2 The Hon'ble Commission is requested to approve the Interest & Finance Charges at **Rs. 3.87 Crores** as shown in the table for FY 2013-14. The details of Interest & Finance charges are provided in **Format 10 of the Tariff Filing Formats**.

#### 4.12 Interest on Working Capital

4.12.1 Regulation No. 29 of the JERC Tariff Regulations stipulates the procedure for calculation of Working Capital and Interest on Working Capital as applicable to Puducherry Electricity Department. This is as shown below:

*(1) For generation and transmission business, the working capital shall be as per CERC norms.*

*(2) Subject to prudence check, the working capital for distribution business shall be the sum of one month requirement for meeting:*

*(a) Power purchase cost.*

*(b) Employees cost.*

*(c) Administration & general expenses and*

*(d) Repair & Maintenance expenses.*

*(3) Subject to prudence check, the working capital for integrated utility shall be sum of one month requirement for meeting :*

*(a) Power purchase cost*

*(b) Employees cost*

*(c) Administration & general expenses*

*(d) Repair & Maintenance expenses.*

*(e) Sum of two month requirement for meeting Fuel cost..*

*(4) The rate of interest on working capital shall be equal to the short term Prime Lending Rate of State Bank of India on the 1st April of the relevant financial year. The interest on working capital shall be payable on normative basis notwithstanding that the generating company / licensee has not taken working capital loan from any outside agency or has exceeded the working capital loan amount worked out on the normative figures.*

4.12.2 The petitioner hereby submits that it has adopted the same methodology adopted by the Hon'ble Commission in its T.O for FY 13-14 for arriving at the working capital requirement whereby it has also taken into consideration the available security deposits available with the Petitioner.

4.12.3 The Interest on Working Capital approved by the Hon'ble Commission in the FY 2013-14 was Nil. On the basis of the revised estimates for FY 2013-14, the interest on working capital comes to NIL. The summary of the Working Capital as claimed by the petitioner in the revised estimates for FY 2013-14, is tabulated below:

**Table 4-23: Interest on Working Capital for FY 2013-14 in the Revised Estimates**

Rs. Crores			
Particulars	Claimed by Petitioner	Approved by Commission	Revised Estimates
Interest on Working Capital	13.78	NIL	NIL

4.12.4 The Hon'ble Commission is requested to approve the Interest on Working Capital as presented in the table above.

#### **4.13 Provision for bad debts**

4.13.1 The Hon'ble Commission had directed that the arrears receivable from various consumer categories is to be audited and the age-wise analysis is to be presented in the next filing. PED has already commenced steps to analyse its sundry debtors and arrears, and obtain an age-wise breakup of the same from the revenue billing system. It also is in the process of reconciling the list of arrears with the sundry debtor balances as per the financial statements. This process is likely to take a significant amount of time and effort.

4.13.2 As PED is in the process of reconciling the list of arrears with the sundry debtor balances as per the financial statements, we are not claiming any provision for bad & doubtful debts in the ARR of FY 2013-14, for pass through in tariff to consumers.

#### **4.14 Security Deposits**

4.14.1 The Regulation 25 of JERC (for the State of Goa and Union Territories (Terms and Conditions for Determination of Tariff) Regulations, 2009 provides for Interest on Security Deposit, if any, made by the consumer with the licensee. The provision of interest on security deposits is to be made at the bank rate. The prevailing Bank rate is considered at **8.75%** as notified by Reserve Bank of India vide circular dated 29<sup>th</sup> October 2013.



Table 4-24: Interest on Security Deposit for FY 2013-14 in the Revised Estimates

Particulars	Amount (Crores)
Opening Security Deposit	95.89
Add: Deposits during the Year	27.66
Less: Deposits refunded	-
Less: Deposits in form of BG/FDR	
<b>Closing Security Deposit</b>	<b>123.55</b>
<b>Bank Rate</b>	<b>8.75%</b>
<b>Interest on Security Deposit</b>	<b>8.39</b>

4.14.2 The Hon'ble Commission is requested to approve the Interest on Security Deposit of **Rs. 8.39 Crores** as showcased in the table above.

#### 4.15 Return on Capital Base/ Net Fixed Assets

4.15.1 The proviso of Regulation 23 (2) and Regulation 24 of Tariff Regulations 2009 provides for entitlement for Returns on Capital Base/ Net Fixed Assets by utility / licensee. Thus, in line with the regulation and the methodology adopted by the Hon'ble Commission in its previous order, PED has calculated the return on capital base at 3%. The summary of the Return on Net Fixed Assets as claimed by the petitioner, as approved by the Commission and as calculated on the basis of revised estimates for FY 2013-14, is tabulated below:

Table 4-25: Return on NFA for FY 2013-14 in the Revised Estimates

Particulars	Rs. Crores		
	Claimed by Petitioner	Approved by Commission	Revised Estimates
Gross Block at the beginning of the year	545.84	545.84	541.27
Opening CWIP	81.72	81.72	67.61
Less: Opening Debts	9.86	9.86	29.43
Less: Accumulated Depreciation	252.68	255.09	250.98
Net Fixed Assets	365.02	362.61	328.47
<b>Reasonable Return @ 3% of NFA</b>	<b>10.95</b>	<b>10.88</b>	<b>9.85</b>

4.15.2 There is a variation in the Return on Net Fixed Assets as claimed by the petitioner in this revised figure from the figure approved by the Honourable Commission in the ARR for FY 2013-14. The reason for this variance between the petitioner's and the Commission's value is the lower value of the gross block at the beginning and the increased amount of loans.

4.15.3 In view of above, the Hon'ble Commission is requested to kindly allow the above Return on Net Fixed Assets of **Rs. 9.85 Crores.**

#### 4.16 Non Tariff Income

4.16.1 The Non-Tariff Income comprises metering, late payment charges, interest on staff loans, income from trading, reconnection fee, UI sales/ Sales to Exchanges and miscellaneous income among others. The Non-Tariff Income approved by the Honourable Commission in the ARR for FY 2013-14 was Rs. 2 crore.

4.16.2 The details of Non Tariff Income for FY 2013-14 are provided in **Format 21 of the Tariff Filing Formats**

4.16.3 The Non-Tariff Income under this head is clubbed with Revenue from Outside Sales / UI Sales under the broad head of Non-Tariff Income. PED hereby submits that UI Sales was done to the extent of 11.77 MU that fetched an income of Rs. 16.00 Crs. The UI sales in the second half is considered to be Nil as the projections are made on MOD principle that insists no surplus and no deficit of power. The summary of total Non-Tariff Income is tabulated below:

**Table 4-26: Non-Tariff Income for FY 2013-14 in the Revised Estimate**

Particulars	Claimed by Petitioner	Approved by Commission	Rs. Crores
			As per unaudited accounts
Revenue from Outside Sales/ UI Sales	142.3	NIL	16.00
Non-Tariff Income	2	2	0.50
Total (Non-Tariff Income)	<b>144.30</b>	<b>2</b>	<b>16.50</b>

4.16.4 In view of above, the Hon'ble Commission is requested to kindly allow Non-Tariff Income of **Rs. 16.50 Crores.**

#### 4.17 Revenue from Sale of Power at Existing Tariff

4.17.1 The Revenue from Tariff for FY 2013-14 approved by the Honourable Commission was Rs. 1076.67 crore. The Revenue from Tariff for FY 2013-14 as per revised estimates comes to **Rs. 1,089.13 Crore.** The summary of Revenue from Tariff as claimed by the petitioner in the ARR for FY 2013-14, as approved by the Commission and as per revised estimates for FY 2013-14, is tabulated below:

Table 4-27: Revenue from Tariff for 2013-14 in the Revised Estimates

Rs. Crores

Particulars	Claimed by Petitioner	Approved by Commission	Revised Estimates
Revenue from Tariff	833.00	1076.67	1,089.13

4.17.2 The petitioner hereby submits that the revenue as per the revised estimates consists of both FCA charges and Surcharge as well.

Table 4-28: Category wise Revenue from Tariff for FY 13-14

Sr. No.	Category of Consumer	No of Consumers	Energy Sale/ Demand (MUs)	Contracted Maximum Demand (KW/kVA)	Fixed Charge (Rs/kW Rs/kVA Rs/BHP Rs/Month/ Connection)	Energy Charge (Rs/kWh)	Revenue (Rs Crore)			
							Fixed Charges	Energy Charges	FPPCA Charges	Total
1	2	3	4	5	6	7	8	9	10	11
1(a)	Domestic & Cottage	-	-	-	-	-	-	-	-	-
	0 - 100	103,076	212	-	20.00	1.00	2.47	21.2	-	23.63
	101 - 200	58,146	133	-	20.00	1.50	1.40	19.9	-	21.34
	201 - 300	47,574	79	-	30.00	2.80	1.71	22.0	-	23.71
	>300	55,503	181	-	30.00	3.50	2.00	63.5	-	65.46
1(b)	OHOB	35,474	10	-	25.00	-	1.06	-	-	1.06
	Total	<b>299,772</b>	<b>614</b>	-	-	-	<b>8.64</b>	<b>127</b>	-	<b>135.21</b>
2	Commercial	-	-	-	-	-	-	-	-	-
	0 - 100	7,118	29	-	60.00	3.50	0.51	10.1	-	10.59
	101 - 250	6,673	22	-	60.00	4.50	0.48	9.7	-	10.20
	> 250	30,695	130	-	60.00	5.00	2.21	64.8	-	67.01
	Total	<b>44,485</b>	<b>180</b>	-	-	-	<b>3.20</b>	<b>85</b>	-	<b>87.80</b>
3	Agriculture	-	-	-	-	-	-	-	-	-
	Small farmers	958	8	5,439	8.00	-	0.05	-	-	0.05
	Other farmers	5,884	49	54,099	25.00	-	1.76	-	-	1.76
	Total	<b>6,842</b>	<b>57</b>	<b>59,538</b>	-	-	<b>1.81</b>	-	-	<b>1.81</b>
4	Public lighting	-	-	-	-	-	-	-	-	-
	Total	<b>49,326</b>	<b>28</b>	-	<b>50.00</b>	<b>4.20</b>	<b>2.96</b>	<b>11.8</b>	-	<b>14.72</b>
5(a)	LT Industrial	-	-	-	-	-	-	-	-	-
	0 - 1000	3,623	116	-	60.00	4.30	0.26	49.7	-	49.99
	> 1000	2,518	80	-	60.00	4.50	0.18	36.2	-	36.34
5(b)	Water tank	80	51	-	60.00	4.60	0.01	23.5	-	23.47
	Total	<b>6,221</b>	<b>247</b>	-	-	-	<b>0.45</b>	<b>109</b>	-	<b>109.80</b>
5©	Temporary supply - LT&HT	-	-	-	-	-	-	-	-	-
	Total	-	20	-	-	9.00	-	18.0	-	18.00
A	Total LT	<b>406,646</b>	<b>1,146</b>	-	-	-	<b>17.06</b>	<b>350</b>	-	<b>367.33</b>
6	HT 1 Industrial	-	-	-	-	-	-	-	-	-
6(a)	(A) - CD < 2000	-	-	-	-	-	-	-	-	-
	0 - 100000	222	180	59,204	200.00	4.35	14.21	78.3	-	92.51
	>100000	94	155	64,163	200.00	4.50	15.40	69.8	-	85.15
6(b)	(B) - 2000 < CD < 5000	-	-	-	-	-	-	-	-	-
	>0	41	568	107,313	220.00	4.70	28.33	267.0	-	295.29
6(c)	(C) CD > 5000	-	-	-	-	-	-	-	-	-
	>0	54	45	14,950	220.00	4.70	3.95	21.2	-	25.10
	Total	<b>411</b>	<b>948</b>	<b>230,680</b>	-	-	<b>61.89</b>	<b>436</b>	-	<b>498.05</b>
7	HT 2 - Government & water tank	-	-	-	-	-	-	-	-	-
	Total	49	47	14,265	220.00	4.60	3.77	21.6	-	25.39
9	HT 3 - EHT	-	-	-	-	-	-	-	-	-
	Total	9	309	80,495	200.00	4.50	19.32	139.1	-	158.37
B	Total HT	<b>469</b>	<b>1,304</b>	<b>325,440</b>	-	-	<b>84.97</b>	<b>597</b>	-	<b>681.80</b>
10	Total	<b>407,115</b>	<b>2,450</b>	-	-	-	<b>102.03</b>	<b>947</b>	<b>40</b>	<b>1,089.13</b>

4.17.3 In view of above, the Hon'ble Commission is requested to kindly allow Revenue of **Rs. 1,089.13 Crores** for FY 2013-14.

#### 4.18 Aggregate Revenue Requirement for FY 2013-14

4.18.1 The Aggregate Revenue Requirement for FY 2013-14 approved by the Honourable Commission in the Review of ARR for FY 2013-14 was Rs. 1072.02 crore. The calculation for Aggregate Revenue Requirement on the basis of revised estimates for FY 2013-14 is shown below:

Table 4-29: Calculation of ARR for FY 2013-14 in the unaudited accounts

Particulars	Rs. Crores		
	Claimed by Petitioner	Approved by Commission	Revised Estimates
Cost of Power Purchase	1049.64	924.91	984.77
Employee Cost	67.60	62.75	69.69
A&G Expenses	5.35	5.27	3.96
R&M Expenses	17.64	17.64	20.15
Depreciation	25.03	25.03	23.65
Advance Against Depreciation	-	-	-
Interest & Finance Charges	2.13	15.13	4.53
Interest on Working Capital + Interest on SD	13.78	12.41	8.39
Provision for Bad Debts	-	NIL	NIL
Return @ 3 % of NFA	10.95	10.88	9.85
Total			
Less: Non-Tariff Income	144.3	2.00	16.50
<b>Aggregate Revenue Requirement</b>	<b>1140.43</b>	<b>1072.02</b>	<b>1,108.50</b>

4.18.2 The Petitioner hereby requests the Commission to approve the ARR of **Rs. 1,108.50 Crores** for FY 2013-14 as submitted above.

#### 4.19 Revenue Gap for FY 2013-14

4.19.1 The Revenue Gap approved by the Honourable Commission in the Review of ARR for FY 2013-14 was NIL.

4.19.2 The Revenue Gap as claimed by the petitioner in the revised estimates for FY 2013-14, as approved by the Commission and as calculated on the basis of revised estimates for FY 2013-14 is shown in the table below:

Table 4-30: Revenue Gap for FY 2013-14

Particulars	Rs. Crores		
	Claimed by Petitioner	Approved by Commission	Revised Estimates
Aggregate Revenue Requirement	1140.00	1072.00	1,108.50
Revenue from Tariff	833.80	1076.67	1089.13
Revenue Gap/ (Surplus)	85.86	-	19.37

4.19.3 In view of above, the Hon'ble Commission is requested to kindly allow Revenue Gap of **Rs. 19.37 Crores** for FY 2013-14.

**CHAPTER 5. CAPITAL EXPENDITURE FOR FY 2014-15****5.1 Capex Plan**

- 5.1.1 The present Transmission and Distribution infrastructure of the Electricity Department Puducherry (PED) does not have adequate standby transmission and distribution network for restoring the power supply in the event of major breakdowns. Further considering the increase in demand of power supply from HT and LT consumers, the PED would be required to undertake significant capital expenditure for system augmentation and strengthening. System augmentation would not only help the PED-PDY in handling increased load but would also ensure better quality of power supply and network reliability to all the consumers. The capital expenditure would help in further reduction of T&D losses.
- 5.1.2 The PED-PDY each year drafts an Annual Plan for the capital investment for the new and on-going schemes which it plans to incur in the ensuing year. But due to the lower allocation of funds from the Government of India as compared with the funds sought for, the actual capital expenditure has been lower than the planned capital expenditure in the previous years. Therefore, the capital expenditure in the subsequent years is higher as it includes the schemes for which the funds were not fully or partially allocated in the previous capital expenditure proposal.
- 5.1.3 For the Financial Year (FY) 2014-15, the PED has derived a Draft Annual Plan for various plan works to be carried out during the year. The details of capital expenditure plan for the FY 2014-15 is submitted below:

**Table 5-1: Capital Expenditure Envisaged for FY 14-15**

		Rs. Crores
Sr. No	Name of the Work	Amount (Rs in Crs)
I	<b>EHV Schemes</b>	
1	Establishment of 110/11 KV Venkata Nagar Sub-station at Puducherry and associated works.(Ongoing Scheme)Scheme Cost 44.64 Crs (Negotiated REC Loan 35.57 Crs)	16.00
2	Establishment of 110/22KV Thondamanatham S.S Total Scheme Cost 11.89 Crs.	10.73
3	Establishment of 230KV S.S at Karaikal Total Scheme Cost 30.33 Crs	3.03
4	Land acquisition for Lawspet 110Kv S.S Thavalakuppam 110KV S.S	3.94 2.00
5	Erection of 110KV lines for proposed Lawspet 110KV S.S	2.00
6	Augmentation of existing EHV Sub-station capacities of	

Sr. No	Name of the Work	Amount (Rs in Crs)
	Kurumbapet 110/22 KV SS	5.90
	Villianur 110/22 KV SS	5.90
7	Strengthening of Villianur-Bahour line.(Ongoing Scheme)	0.57
8	Renovation and Modernization of 110/11 KV Marapalam Sub-station.	1.00
<b>Sub-Total – I EHV schemes</b>		<b>55.07</b>
<b>II.</b>	<b>Miscellaneous Schemes</b>	
1	<b>Cable Conversion Schemes</b>	
1.1	Conversion of HT overhead lines into underground cables, Modernization and Augmentation of existing 11 KV Ring Main System and Rationalization and Improvement of distribution in urban areas in the UT of Puducherry.	4.05
2	<b>System Improvement schemes</b>	
2.1	Erection of new/enhancement of existing distribution transformers, improvements, re-routing, inter-linking, extending and strengthening of existing HT and LT lines and all the associated works in the UT of Puducherry.	6.70
3	<b>Schemes for extending power supply</b>	
3.1	Extension and development of power supply to all categories of consumers and street lights in the UT of Puducherry.	9.35
4	<b>Schemes for providing meters</b>	
4.1	Providing of meters in Agricultural and OHOB service connections, providing of metering facilities in the Distribution Transformers, Ring Fencing meters, Replacement of defective/burnt meters and providing of static meters in place of electro mechanical meters in the existing consumer services.	3.40
5	<b>Research and Development schemes</b>	
5.1	Procurement of Reference standard Energy meters, Tan Delta, BDV and other Testing Kits, procurement of Computerized meter test benches and hand held devices etc., and other infrastructural facilities like vehicle for Sub-station protection wing etc.	2.68
6	<b>Rural Electrification (Bharat Nirman Programme)</b>	
6.1	Erection of new/enhancement of existing distribution transformers, improvements, extending and strengthening of existing HT and LT lines and all associated works in the rural areas of the UT of Puducherry.	0.65
<b>Sub-total – II Miscellaneous Schemes</b>		<b>26.83</b>
<b>Total Capital Expenditure</b>		<b>82.00</b>

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Sr. No	Name of the Work	Amount (Rs in Crs)
<b>RAPDRP Schemes</b>		
<b>III</b>	Implementation of Part -A under RAPDRP for Puducherry Town Total Scheme Cost 13.89 Crs (Negotiated Loan)	<b>8.33</b>
<b>IV</b>	Implementation Part-B RAPDRP for Puducherry Town Total Scheme Cost 84.78 Crs (Negotiated Loan)	<b>25.43</b>



**CHAPTER 6. ANNUAL REVENUE REQUIREMENT FOR FY 2014-15**

This Section captures the Annual Revenue Requirement of Projections for FY 2014-15 based on the performance of past years;

- i. Principles outlined in Tariff Regulations 2009 of JERC;

Past trends have been taken into cognizance in case of certain elements as deemed necessary. The present section has been structured in the following manner:

- **Determination of Energy Requirement**
  - Sales Projections
  - Loss Trajectory
  - Energy Balance
  - Power Purchase Sources
- **Determination of the Annual Revenue Requirement**
  - Power Purchase Costs & Transmission Charges;
  - Operation and Maintenance Expenses;
    - a. Employee Expenses
    - b. Administration & General expenses
    - c. Repairs & Maintenance Expenses
  - Proposed Capital Expenditure and capitalization
    - d. Scheme wise details
      - Capital Expenditure
      - Asset Capitalisation
    - e. Electricity Duty Fund Account
  - Gross Fixed Assets;
  - Depreciation;
  - Interest on Long Term Loans;
  - Interest on Working Capital & Security Deposits;
  - Return on Capital Base/ Net Fixed Assets;
  - Provision for Bad and Doubtful Debts;
  - Other expenses

**6.1 Number of Consumers & Energy Sales:**

6.1.1 The Consumer base for FY 2014-15 has been assumed to increase at a slow rate of 1.5% as FY 2013-14 had seen a decline in growth rate, whereas the demand/sales of **2,525 MU**'s have been assumed to increase by 3% with respect to FY 2013-14. The table showing the same is shown below:

Table 6-1: Number of Consumers &amp; Sales – FY 2014-15

Sr. No.	Category of Consumer	No. of Consumers at the end of the year (Nos.)	Connected Load at the end of the Year (KW/kVA)	Energy Sale/ Demand (MUs)
1	2	3	4	5
1(a)	<b>Domestic &amp; Cottage</b>			
	0 - 100	104,715	-	215
	101 - 200	59,070	-	135
	201 - 300	48,330	-	80
	>300	56,385	-	184
1(b)	<b>OHOB</b>	35,500	-	10
	<b>Total</b>	<b>304,000</b>	-	<b>625</b>
2	<b>Commercial</b>	-	-	-
	0 - 100	7,280	-	30
	101 - 250	6,825	-	23
	> 250	31,395	-	137
	<b>Total</b>	<b>45,500</b>	-	<b>190</b>
3	<b>Agriculture</b>	-	-	-
	Small farmers	958	5,439	8
	Other farmers	5,930	54,099	49
	<b>Total</b>	<b>6,888</b>	<b>59,538</b>	<b>57</b>
4	<b>Public lighting</b>	-	-	-
	<b>Total</b>	<b>49,500</b>	-	<b>28</b>
5(a)	<b>LT Industrial</b>	-	-	-
	0 - 1000	3,696	-	118
	> 1000	2,569	-	82
5(b)	<b>Water tank</b>	85	-	51
	<b>Total</b>	<b>6,350</b>	-	<b>251</b>
5©	<b>Temporary supply - LT&amp;HT</b>	-	-	-
	<b>Total</b>	-	-	20
<b>A</b>	<b>Total LT</b>	<b>412,238</b>	-	<b>1,171</b>
6	<b>HT 1 Industrial</b>	-	-	-
6(a)	<b>(A) - CD &lt; 2000</b>	-	-	-
	0 - 100000	222	59,204	190
7	>100000	94	64,163	160
6(b)	<b>(B) - 2000 &lt; CD &lt; 5000</b>	-	-	-
	>0	41	107,313	583
6(c)	<b>(C) CD &gt; 5000</b>	-	-	-
	>0	54	14,950	47
	<b>Total</b>	<b>411</b>	<b>230,680</b>	<b>980</b>
7	<b>HT 2 - Government &amp; water tank</b>	-	-	-
	<b>Total</b>	49	14,265	50
9	<b>HT 3 - EHT</b>	-	-	-
	<b>Total</b>	9	80,495	324
<b>B</b>	<b>Total HT</b>	<b>469</b>	<b>325,440</b>	<b>1,354</b>
<b>10</b>	<b>Total</b>	<b>412707</b>		<b>2,525</b>

6.1.2 The Hon`ble Commission is requested to allow sales of **2,525 MU's** for FY 2014-15.

## 6.2 Distribution Losses & Energy Requirement

6.2.1 PED would like to submit **12.50%** as the energy losses for FY 2014-15. The information regarding the loss levels based on unaudited accounts is shown in the table below –

Table 6-2: AT&C Loss for FY 2014-15

S.No	Particulars	Calculation	Unit	Estimate
				FY 2014-15
1	Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of DISCOM	A	MU	237
2	Input energy (metered Import) received at interface points of DISCOM network.	B	MU	2,648
3	Input energy (metered Export) by the DISCOM at interface points of DISCOM network.	C	MU	-
4	<b>Total energy available for sale within the licensed area to the consumers of the DISCOM</b>	<b>D=A+B-C</b>	<b>MU</b>	<b>2,885</b>
5	Energy billed to metered consumers within the licensed area of the DISCOM	E	MU	2,458
6	Energy billed to un-metered consumers within the licensed area of the DISCOM	F	MU	67
7	<b>Total energy billed</b>	<b>G=E+F</b>	<b>MU</b>	<b>2,525</b>
8	Amount billed to consumer within the licensed area of DISCOM (inc. FPPCA)	H	Rs. Crs	1,081
9	Amount realized by the DISCOM out of the amount Billed at H	I	Rs. Crs	1,027
10	<b>Collection efficiency (%) (= Revenue realized/ Amount billed)</b>	<b>J=(I/H)x100</b>	<b>%</b>	<b>95%</b>
11	<b>Energy realized by the DISCOM</b>	<b>K=JxG</b>	<b>MU</b>	<b>2,398</b>
12	<b>Distribution loss (%)</b>	<b>L={(D-G)/D}x100</b>	<b>%</b>	<b>12.50%</b>
13	<b>AT&amp;C Loss (%)</b>	<b>M={(D-K)/D}x100</b>	<b>%</b>	<b>16.88%</b>

6.2.2 It is requested to the Commission to approve Distribution Loss of **12.50%** and AT&C Loss of **16.88%** as submitted above.

6.2.3 **Energy Requirement at State Periphery for FY 2014-15:** Considering the retail sales to the consumers and adding the distribution loss, the net energy requirement for FY 2014-15 works out to **2,885.40** MUs.

6.2.4 Accordingly the Energy Balance for the year FY 2014-15 is computed and presented in the table below:

Table 6-3: Energy Balance for FY 2014-15

MU's

Sr. No.	Item	April-March (Prov. Actual)	April-March (RE)	April-March (Projections)
		FY 2012-13	FY 2013-14	FY 2014-15
1	2	3	4	5
	<b>Energy Requirement</b>			
	Metered Sales	2,408	2,383	2,458
	Unmetered Sales	67	67	67
	<b>Total Sales within the UT</b>	<b>2,475</b>	<b>2,450</b>	<b>2,525</b>
	Sales- UI/ Export to Exchange	(347)	(93)	-
	Total Sales	2,822	2,543	2,525
	Loss(%)	13.09%	13.00%	12.50%
	Loss (MU)	373	366	361
	<b>Total Energy Requirement</b>	<b>3,195</b>	<b>2,909</b>	<b>2,885</b>
2	<b>Total Power Scheduled/ Purchased at Puducherry Periphery</b>			
	Total Schedule Billed Drawal - CGS	2,648	2,445	2,434
	Add: Overdrawal	10	12	-
	Add: Power purchase from sources	443	333	325
	Less: Power diverted to Exchange	-	-	-
	<b>Total</b>	<b>3,101</b>	<b>2,790</b>	<b>2,759</b>
4	<b>Total Power Purchased within Puducherry</b>			
	PPCL	216	230	237
	<b>Total</b>	<b>3,318</b>	<b>3,020</b>	<b>2,996</b>
	Transmission Losses	123	111	110
5	<b>Energy Availability at Periphery</b>	<b>3,195</b>	<b>2,909</b>	<b>2,885</b>

6.2.5 The Hon'ble Commission is requested to approve distribution loss of **12.50%** for FY 2014-15 as estimated in the table above.

### 6.3 Annual Revenue Requirement for

Based on the provisions of the Tariff Regulations, the estimate for the Annual Revenue Requirement (ARR) would consist of the following elements:

- Power Purchase Costs
- Transmission Charges
- Operation and Maintenance Expenses
- Depreciation
- Interest charges
- Interest on working capital
- Interest on security deposit
- Return on Capital Base/ NFA
- Provision for Bad and Doubtful Debts

- Less: Non Tariff Income

#### 6.4 Power Purchase Quantum & Cost FY 2014-15

6.4.1 Power purchase costs of Puducherry Electricity Department are mainly due to following sources:

- Central Generating Stations
- TNEB & KSEB
- PPCL

The Power purchase for FY 2014-15 has been considered on merit order dispatch (MOD) basis.

6.4.1.1 The fixed charges for all the generating stations have been taken same as approved by the Commission in the Tariff Order for FY 13-14.

6.4.1.2 The variable cost for FY 2014-15 has been computed considering the variable cost of each source for FY 2013. It is submitted that no escalation of cost has been considered.

6.4.1.3 The other costs which include ED, Cess, Incentive, MOPA etc and supplementary charges are considered on actual basis and are assumed to as a 3% increase for FY 2014-15.

6.4.1.4 The power purchase cost for power over-drawl from grid is not considered under the principle of MOD.

6.4.1.5 PED submits that it is obliged to comply with the Renewable Purchase Obligation of 5% for FY 2014-15. The RPO compliance cost is also included in the PP cost which was arrived upon as follows.

**Table 6-4: Power Purchase Cost for FY 2014-15**

Year	Sales (MU)	Solar PO (REC)	Non-Solar PO (REC)	Solar REC cost (Rs/REC)	Non-Solar REC Cost (Rs/REC)	Total Cost (Rs. Cr)
2014-15	2,525	15,148	1,11,088	9,500	1,500	31.05

6.4.1.6 **Transmission losses for FY 2014-15:** The Transmission Charges for FY 2014-15 are considered as per POC computation, i.e. Part A - Transmission charge for withdrawal of power and Part B - Transmission charges of generators. Further, the transmission charge has also been considered factoring the wheeling charges pertaining to PCKL. The transmission charges for FY14-15 are computed based on the RTA Statement for November 2013. The computation of transmission charges for Part-A and part-B is provided in the table below:

Table 6-5: Part A-Total Transmission Charges for Withdrawal of Power

Regions	Rates Rs/Mw/ Month	Monthly Quantum (MW)	April 2014 to March 2015 (12 months) - MW	Total Charges (Rs.Crs)
Southern Region*	71,818	332	3,985	29
Increase in Transmission Charges for FY 14-15 @				5%
<b>Total Part-A Transmission Charges for FY 2014-15</b>				<b>30</b>

\* Figures of MW as per Nov 2013 RTA bill (SR)

Table 6-6: Part B - Total Transmission Charges of Generators

Stations	Rates Rs/Mw/ Month *	Monthly Quantum (MW) *	Total Charges (Rs.Crs)	Share of ED- Puducherr y *	Share of ED- Puducherr y (Rs.Crs)
RSTPS Stage I & II	71818	1948	14	4%	0.59
RSTPS Stage III	71818	468	3	3%	0.09
Talcher	71818	1870	13	4%	0.47
Simhadri	86181	940	8	1%	0.11
					0.00
TPS Stage I	71818	517	4	13%	0.46
TPS Stage II	71818	706	5	3%	0.16
TPS I Expn	71818	380	3	4%	0.11
					0.00
MAPS	101818	394	4	2%	0.07
KAPS unit 1 & II	71818	394	3	4%	0.12
KAPS Unit 3 & 4	71818	394	3	4%	0.11
Vallur	71818	935	7	2%	0.11
					0.00
					0.00
			0	1%	0.00
<b>Total - (Rs.)</b>			<b>67</b>		<b>2.43</b>
Increase in Transmission Charges for FY 14-15 @					5%
<b>Total Part-B Transmission Charges for FY 2014-15 (Rs.Crs)</b>					<b>30.56</b>

Table 6-7: Summary of Total Transmission Charges

Particulars	Rs.Crs
Part - A Transmission Charges (Apr14-Mar 2015)	30.05
Part - B Transmission Charges (Apr14-Mar 2015)	30.56
KPTCL Wheeling Charges (FY2014-15)	0.90
Fees and charges of SLDC - SR	1.00
SCADA charges	
Reactive charges	
<b>Total Transmission Charges (Apr14-Mar 2015)</b>	<b>62.52</b>

6.4.2 **Summary of Power Purchase cost FY 2014-15:** The power purchase for FY 2014-15 has been considered under the principle of merit order dispatch (MOD). The must run stations has been identified as all the NPCIL plants, KSEB, TNEB and PPCL. The remaining amount of power is envisaged to be purchased from the remaining available sources. The total power purchase for FY 2014-15 is estimated to be **2,995.72 MU** and the power purchase cost for FY 2014-15 will be **Rs. 996.74 Crore**. The summary of total power purchase expenses for the above mentioned sources for FY 2014-15 is tabulated in the table below:

**Table 6-8: Summary of Power Purchase Expenses for FY 2014 – 15**

Sr. No.	Source	Purchase (MU)	External losses (%)	Energy recd. by Licensee (MU)	VC (Ps/ Unit)	FC (Rs. Crore)	VC (Rs.Crore)	Others (Rs.Crore)	Supplementary (Rs. Crore)	Total (Rs.Crore)
1	2	10	11	12	13	14	15	16	17	18
<b>A</b>	<b>Central Sector Power Stations</b>									
<b>I</b>	<b>NTPC</b>	<b>1,280.26</b>	<b>4%</b>	<b>1,229.05</b>		<b>109.97</b>	<b>238.29</b>	-	-	<b>348.26</b>
	RSTPS Stage I & II	708.07	4%	679.74	204.03	47.49	144.47			191.96
	RSTPS Stage -III	-	4%	-	223.17	18.20	-			18.20
	Talcher Stage- II	461.55	4%	443.08	153.43	23.75	70.82			94.57
	Simhadri Stage- II	110.65	4%	106.22	207.90	20.53	23.00			43.53
		-		-	-	-	-			-
		-		-	-	-	-			-
<b>II</b>	<b>NLC</b>	<b>820.39</b>	<b>4%</b>	<b>787.58</b>	<b>213.47</b>	<b>60.13</b>	<b>175.10</b>			<b>235.23</b>
	NLC TPS II Stage I	500.15	4%	480.15	216.01	32.02	108.04			140.06
	NLC TPS II Stage II	185.39	4%	177.97	215.76	12.32	40.00			52.32
	NLC TPS I (Expn)	134.85	4%	129.45	200.66	15.79	27.06			42.85
		-		-	-	-	-			-
<b>III</b>	<b>NPCIL</b>	<b>333.42</b>	<b>4%</b>	<b>320.08</b>	<b>291.43</b>	-	<b>97.30</b>			<b>97.30</b>
	MAPS	22.73	4%	21.82	202.59	-	4.61			4.61
	KAPS Stage I	274.68	4%	263.70	298.37	-	81.96			81.96
	Kudankulam	36.00	4%	34.56	298.37		10.74			10.74
		-		-	-	-	-			-
<b>IV</b>	<b>Others</b>	<b>324.68</b>		<b>311.69</b>	<b>363.20</b>	<b>3.85</b>	<b>116.49</b>	<b>0.02</b>		<b>120.36</b>
	Others	-		-	-	-	-			-
	TNEB (Pondy)		4%	-	-	-	-	0.02		0.02
	TNEB (Karaikal)	283.08	4%	271.76	347.00	-	98.23			98.23
	Vallur Thermal Project	-	4%	-	916.72	3.85	-			3.85
	KSEB	41.59	4%	39.93	438.95	-	18.26			18.26
		-		-	-	-	-			-
<b>V</b>	<b>OVER/ UNDER DRAWAL</b>				<b>217.29</b>					
		-		-	-	-	-			-
<b>B</b>	<b>Within State Generations</b>									
	PPCL	236.98		236.98	277.94	23.37	65.86			89.24
		-		-	-	-	-			-
<b>C</b>	<b>OTHER CHARGES</b>							<b>62.52</b>		<b>62.52</b>
	PGCIL Transmission Charges, Wheeling & Other Charges	-		-	-	-	-	60.62		60.62
	POSOCO	-		-	-	-	-	1.00		1.00
	PCKL	-		-	-	-	-	0.90		0.90
		-		-	-	-	-			-
<b>D</b>	<b>RPO Compliance Cost</b>							43.82		43.82
		-		-	-	-	-			-
<b>F</b>	<b>Total</b>	<b>2,995.72</b>		<b>2,885.37</b>	<b>231.34</b>	<b>197.32</b>	<b>693.04</b>	<b>62.52</b>	-	<b>996.73</b>

6.4.3 In view of the above, the Hon`ble Commission is requested to allow the above mentioned power purchase of **Rs. 996.73 Crores** for FY 2014-15.

## 6.5 Operation and Maintenance (O&M) Expenses

6.5.1 Operation & Maintenance expenses comprise of the following heads of expenditure viz.

- Employee Expenses
- Administration & General Expenses
- Repairs & Maintenance Expenses

The O&M expenses for FY 2014-15 have been computed on the basis of WPI inflation increase over FY 2013-14.

6.5.2 The computation of WPI for FY 2012-13 has been provided in Tariff Filing Format 24 and is reproduced below for reference.

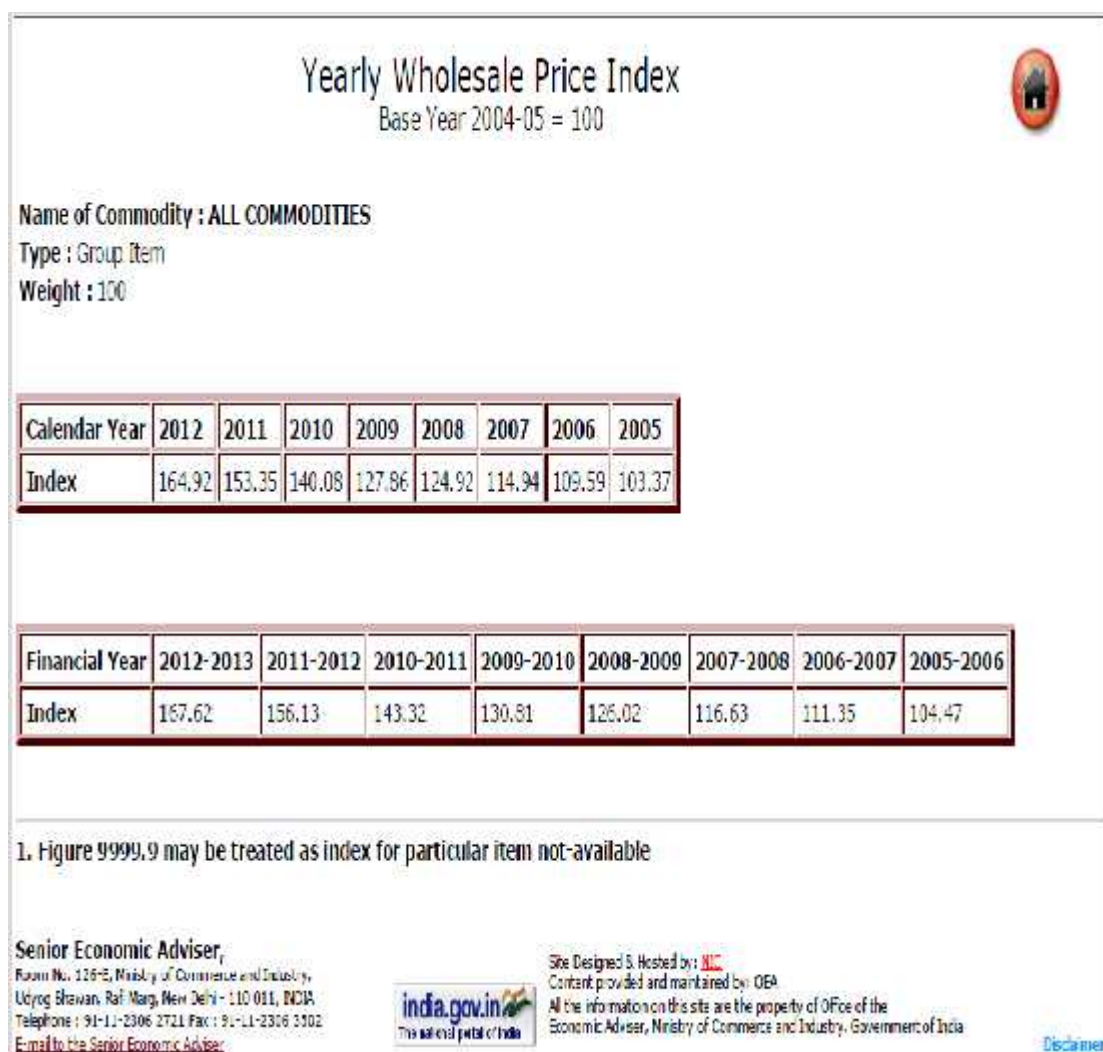
**Table 6-9: Wholesale Price Index Computation for FY 2012-13**

Sr. No.	Period	WPI	Increase over previous year
1	2	3	4
1	Financial Year 2007-08	116.63	
2	Financial Year 2008-09	126.02	8.05%
3	Financial Year 2009-10	130.81	3.80%
4	Financial Year 2010-11	143.32	9.56%
5	Financial Year 2011-12	156.13	8.94%
6	Financial Year 2012-13	167.62	7.36%

6.5.3 The WPI data as downloaded from website of OEA (Office of Economic Advisor) is provided in the figure below:



Figure 1: Wholesale Price Index Annual Data



6.5.4 **Employee Expenses:** The Employee expenses are projected considering WPI inflation of 7.36% over revised estimates of FY 2013-14 and the total employee cost for FY 2014-15 is estimated to be **Rs. 76.28 Crores**. The employee expenses estimated for FY 2014 – 15 are provided in the table below:

Table 6-10: Employee Expenses

		Rs. Crores
Sr. No	Particulars	Ensuing year (Projection) FY 2014-15
1	2	3
1	Salary	93.33
2	Wages	0.49
3	Stipend	0.44
4	Transport Allowance	0.78
5	Overtime allowance	1.04

Sr. No	Particulars	Ensuing year (Projection) FY 2014-15
	<b>Total</b>	<b>96.08</b>
6	Less: Amount capitalized	19.81
7	Net amount	76.28
8	Add : prior period expenses	-
	<b>Total Employee Expenses</b>	<b>76.28</b>

6.5.5 **Administration and General Expenses:** A&G expenses comprise of the following broad subheads of expenditure, viz.

- Domestic Travelling Expenses, Office Expenses.
- Legal, Regulatory & Consultancy Fees.
- Insurance etc.

6.5.6 The A&G expenses are projected considering WPI inflation of 7.36% over revised estimates of FY 2013-14 and the total A&G cost is estimated to be **Rs 4.25 Crores**. The details of A&G expenses estimated for FY 2014 – 15 are provided in the table below:

**Table 6-11: A&G Expenses for FY 2014 –15**

Rs. Crores		
Sr. No.	Particulars	Ensuing year (Projection) FY 2014-15
1	2	3
1	Rent, rates & taxes	0.32
2	Other Professional charges including Regulatory Expenses (License + Petition Fees)	1.94
3	Office Expenses including Legal, Professional & Special Service Charges	1.89
4	Advertisement & Publicity	0.08
5	Other A&G Charges	0.01
6	Other material related expenses	-
7	Total	4.25
8	Add/Deduct share of others (to be specified)	-
9	Total expenses	4.25
10	Less: Capitalized	-
11	Net expenses	4.25
12	Add: Prior period	-
<b>13</b>	<b>Total A&amp;G Expenses</b>	<b>4.25</b>

6.5.7 **Repairs and Maintenance Expenses:** The R&M expenses are projected considering WPI inflation of 7.36% over revised estimates of FY 2013-14 and the R&M expenses estimated for FY 2014-15 is **Rs. 20.56 Crores**. The details of R&M expenses estimated for FY 2014 – 15 are provided in the table below:

Table 6-12: R&amp;M Expenses for FY 2014-15

Rs. Crores		
Sr. No	Particulars	Ensuing year (Projection) FY 2014-15
1	2	3
1	Plant & machinery	8.29
2	Minor R&M Works	12.27
	<b>Total</b>	<b>20.56</b>
3	Add/Deduct share of others (To be specified)	-
4	Total expenses	-
5	Less : Capitalized	-
6	Net expenses	-
7	Add: prior period	-
	<b>Total R&amp;M expenses</b>	<b>20.56</b>

Table 6-13: O&amp;M Expenditure – FY 2014-15

Rs. Crores		
Sr. No	Particulars	Ensuing year (Projection) FY 2014-15
1	2	3
1	Employee Expenses	76.28
2	A&G Expenses	4.25
3	R&M Expenses	20.56
	<b>Total O&amp;M Expenses</b>	<b>101.09</b>

6.5.8 In view of the above, the Hon`ble commission is requested to allow the total O&M expenses of **Rs. 101.09 Crores** for FY 2014-15.

## 6.6 Capital Work in Progress, GFA and Depreciation

6.6.1 The Capital Work In Progress (CWIP), Gross Fixed Asset (GFA) and Depreciation are shown in the section below.

6.6.1.1 **Capital Works-in-progress:** The details of the opening capital works-in-progress, investments during the year and investments capitalised for the year are summarised in the below table:

Table 6-14: Details of Capital Works-in-Progress for FY 2014-15

Rs. Crores

Sr. No.	Interest Capitalized	Ensuing year (Projection) FY 2014-15
1	2	3
1	Opening Balance	84.09
2	Add: New Investments	115.76
	<b>Total</b>	<b>199.86</b>
3	Less Investment Capitalized	48
4	Closing Balance	<b>151.85</b>

6.6.2 The details of the Gross Fixed Assets, Depreciation for FY 2014-15 are:

Table 6-15: Details of GFA for FY 2014-15

Rs. Crores

Sr. No.	Assets group	Opening balance at the start of year	Addition during ensuing year	Closing balance at the end of ensuing year
		2013-14	2014-15	2014-15
1	2	3	4	5
1	Land and Land rights	7.35	-	7.35
2	Building	13.70	-	13.70
3	Plant & Machinery	298.67	13.00	311.67
4	Lines and Cables Network	196.83	35.00	231.83
5	Vehicles	1.89	-	1.89
6	Furniture and Fixtures	0.11	-	0.11
7	Office Equipments	0.84	-	0.84
8	IT Equipments	1.79	-	1.79
9	Testing & Measuring Equipments	3.32	-	3.32
10	SCADA Centre	26.77	-	26.77
11	Others	-	-	-
	<b>Total</b>	<b>551.27</b>	<b>48.00</b>	<b>599.27</b>

Table 6-16: Depreciation for FY 2014-15

Rs. Crores

Sr. No.	Name of the Assets	Rate of Dep*	Ensuing Year (Projections)				
			2014-15				
			Assets value at the beginning of the year	Additions during the year	Value of assets sold/ disposed off	Assets value for Depreciation Purpose	Depreciation charges
1	2	3	4	5	6	7	8
1	Land and Land rights	0.00%	7.35	-	-	7.35	-
2	Building	3.34%	13.70	-	-	13.70	0.46
3	Plant & Machinery	5.28%	298.67	13.00	-	311.67	15.63
4	Lines and Cables Network	5.28%	196.83	35.00	-	231.83	8.64
5	Vehicles	9.50%	1.89	-	-	1.89	0.09
6	Furniture and Fixtures	6.33%	0.11	-	-	0.11	0.00
7	Office Equipments	6.33%	0.84	-	-	0.84	0.04
8	IT Equipments	15.00%	1.79	-	-	1.79	0.08
9	Testing & Measuring Equipments	5.28%	3.32	-	-	3.32	0.17
10	SCADA Centre	5.28%	26.77	-	-	26.77	1.34
11	Others	0.00%	-	-	-	-	-
	<b>Total</b>		<b>551.27</b>	<b>48.00</b>	<b>-</b>	<b>599.27</b>	<b>26.45</b>

**Note \* Weighted average rate of Depreciation**

6.6.3 In view of the above, the Hon`ble Commission is requested to allow the Capital Work In Progress (CWIP), Gross Fixed Asset (GFA) and Depreciation of **Rs. 26.45 Crores** for FY 2014-15.

## 6.7 Interest & Finance Charges

6.7.1 The Interest and Finance Charges for FY 2014-15 is estimated to be **Rs. 5.31 Crores**. The loans taken by PED from PFC Loan for RAPDRP purposes have a moratorium period of 5 years, hence the interest is not considered. The summary of Interest and Finance Charges as claimed for FY 2014-15, is tabulated below:

Table 6-17: Interest &amp; Finance Charges for FY 2014-15

Rs. Crores

Sl. No.	Particulars (source)	Opening balance	Rate of interest *	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid	
							Paid	Payable
1	2	3	4	5	6	7	8	9
1	SLR Bonds							
2	Non SLR Bonds							
3	LIC							
4	REC	19.57	12.25%	15.00		34.57		3.32
5	Commercial Banks							
6	Letter of Credit Charges						-	
7	Lease rental	8.21	8.22%	-	1.65	6.56		0.67
8	PFC *							
9	PFC - Loan No.18003004							
10	PFC - Loan No.18233001 to 004							
11	Working capital loan							
12	Others							
13	<b>Total</b>	<b>27.78</b>		<b>15.00</b>	<b>1.65</b>	<b>41.13</b>	<b>-</b>	<b>3.99</b>
14	Add Govt. loan							
	-State Govt.							
	-Central Govt.							
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
15	<b>Total (13+14)</b>	<b>27.78</b>	<b>-</b>	<b>15.00</b>	<b>1.65</b>	<b>41.13</b>	<b>-</b>	<b>3.99</b>
16	Less capitalization #							
17	<b>Net interest</b>	<b>27.78</b>	<b>-</b>	<b>15.00</b>	<b>1.65</b>	<b>41.13</b>	<b>-</b>	<b>3.99</b>
18	<b>Add prior period</b>							
19	<b>Total interest</b>	<b>27.78</b>	<b>-</b>	<b>15.00</b>	<b>1.65</b>	<b>41.13</b>	<b>-</b>	<b>3.99</b>
20	<b>Finance charges</b>						<b>1.32</b>	<b>1.32</b>
21	<b>Total Interest and Finance Charges</b>	<b>27.78</b>	<b>-</b>	<b>15.00</b>	<b>1.65</b>	<b>41.13</b>	<b>1.32</b>	<b>5.31</b>

\* Average Rate for various loans

Note: loans taken by PED from PFC Loan for RAPDRP purposes has a moratorium period of 5 years

6.7.2 In view of the above, the Hon`ble Commission is requested to allow the IFC for FY 2014-15.

## 6.8 Interest on Working Capital

6.8.1 As per Regulation 29 of JERC for the State of Goa and Union Territories (Terms and Conditions for Determination of Tariff) Regulations, 2009, Interest on Working Capital for a licensee shall be the sum of the following for one month:

- i) Power Purchase Cost.
- ii) Employees Cost.
- iii) Administration & General Expenses &
- iv) Repair & Maintenance Expenses.

Table 6-18: Interest on Working Capital for FY 2014-15

Rs. Crores

Sr. No.	Particulars	Ensuing year (Projection)
		2014-15
1	2	3
1	Power Purchase Cost - 1 Month	88.04
2	Employee Cost - 1 Month	6.36
3	Administration & General Expenses including CGRF Expenses - 1 Month	0.23
4	R&M Cost - 1 Month	1.71
5	Less: Security Deposit Opening Bal.	123.55
6	Total	(27.21)
7	Interest Rate *	14.75%
<b>8</b>	<b>Interest on working capital</b>	<b>(4.01)</b>

6.8.2 The interest on working capital comes on to be negative hence it is not claimed.

## 6.9 Interest on Security Deposit

6.9.1 The Regulation 25 of JERC (for the State of Goa and Union Territories (Terms and Conditions for Determination of Tariff) Regulations, 2009 provides for Interest on Security Deposit, if any, made by the consumer with the licensee. The provision of interest on security deposits is to be made at the bank rate. The prevailing Bank rate is considered at **8.75%** as notified by Reserve Bank of India vide circular dated 29<sup>th</sup> October 2013 provided at **Annexure VI: RBI Bank Rate notification**.

Table 6-19: Interest on Security Deposit

Rs. Crores

Sr. No.	Particulars	Ensuing year (Projection)
		2014-15
1	2	3
1	Opening Security Deposit	123.55
2	Add: Deposits during the Year	27.66
3	Less: Deposits refunded	-
4	Less: Deposits in form of BG/FDR	20.00
5	Closing Security Deposit	131.21
6	Bank Rate	8.75%
<b>7</b>	<b>Interest on Security Deposit *</b>	<b>10.81</b>

6.9.2 The Hon'ble Commission is requested to approve the Interest on Security Deposit of **Rs. 10.81 Crores** as showcased in the table above.

### 6.10 Return on Capital base/ Net Fixed Assets

6.10.1 The table below shows Return on Capital Base for FY 2014-15:

**Table 6-20: Return on Capital Base for FY 2014-15**

Sr. No.	Particulars	Rs. Crores
		Ensuing Year (Projection) 2014-15
1	2	3
1	Gross block at beginning of the year	551.27
2	Opening CWIP	84.09
3	Less accumulated depreciation	274.63
4	Less Opening Debt	27.78
4	Net block at beginning of the year	332.95
5	Less accumulated consumer contribution	
6	Net fixed assets at beginning of the year	332.95
7	Reasonable return @3% of NFA	9.99

6.10.2 The Hon'ble Commission is requested to approve the return on capital base for FY 2014-15 as showcased in the table above.

### 6.11 Non-Tariff Income

6.11.1 Revenue from Sale of Surplus Power: For FY 2014-15 on MOD basis, it is assumed there will be no income from sale of surplus power, but income of **Rs. 0.50 Crores** is considered from Open access charges considering the past trends.

**Table 6-21: Non Tariff Income for FY 2014-15**

Sr. No.	Particulars	Rs. Crores
		Ensuing year (Projection) 2014-15
1	2	3
1	From STOA/OA charges	0.50
2	UI Sales/ Sales to Exchanges	
3	Meter Rent	
4	Scrap Sales	
5	Interest on FD	
6	Miscellaneous	
	Total income	0.50
7	Add: prior period income	
	<b>Total Non Tariff Income</b>	<b>0.50</b>



**6.12 Revenue from Existing Tariff**

6.12.1 The revenue from sale of power i.e. **2425 MU** at existing retail tariffs for FY 2014-15 comes to **Rs. 1,080.67 Crores** and category wise revenue is tabulated below:

**Table 6-22: Revenue from Existing Tariff**

Sr. No.	Category of Consumer	No of Consumers	Energy Sale/ Demand (MUs)	Contracted Maximum Demand (KW/kVA)	Fixed Charge (Rs/kW Rs/kVA Rs/BHP Rs/Month/ Connection)	Energy Charge (Rs/kWh)	Revenue (Rs Crore)		
							Fixed Charges	Energy Charges	Total
1	2	3	4	5	6	7	8	9	10
<b>1(a)</b>	<b>Domestic &amp; Cottage</b>								
	0 - 100	104,715	215	-	20	1	2.51	21.51	24.03
	101 - 200	59,070	135	-	20	2	1.42	20.29	21.70
	201 - 300	48,330	80	-	30	3	1.74	22.38	24.11
	>300	56,385	184	-	30	4	2.03	64.54	66.57
<b>1(b)</b>	<b>OHOB</b>	35,500	10	-	25	-	1.07	-	1.07
	<b>Total</b>	<b>304,000</b>	<b>625</b>	-	-	-	<b>8.77</b>	<b>128.72</b>	<b>137.48</b>
<b>2</b>	<b>Commercial</b>								
	0 - 100	7,280	30	-	60	4	0.52	10.65	11.17
	101 - 250	6,825	23	-	60	5	0.49	10.27	10.76
	> 250	31,395	137	-	60	5	2.26	68.44	70.70
	<b>Total</b>	<b>45,500</b>	<b>190</b>	-	-	-	<b>3.28</b>	<b>89.35</b>	<b>92.62</b>
<b>3</b>	<b>Agriculture</b>								
	Small farmers	958	8	5,439	8	-	0.05	-	0.05
	Other farmers	5,930	49	54,099	25	-	1.76	-	1.76
	<b>Total</b>	<b>6,888</b>	<b>57</b>	<b>59,538</b>	-	-	<b>1.81</b>	-	<b>1.81</b>
<b>4</b>	<b>Public lighting</b>								
	<b>Total</b>	<b>49,500</b>	<b>28</b>	-	<b>50</b>	<b>4</b>	<b>2.97</b>	<b>11.93</b>	<b>14.90</b>
<b>5(a)</b>	<b>LT Industrial</b>								
	0 - 1000	3,696	118	-	60	4	0.27	50.61	50.88
	> 1000	2,569	82	-	60	5	0.18	36.81	36.99
<b>5(b)</b>	<b>Water tank</b>	85	51	-	60	5	0.01	23.46	23.47
	<b>Total</b>	<b>6,350</b>	<b>251</b>	-	-	-	<b>0.46</b>	<b>110.88</b>	<b>111.34</b>
<b>5©</b>	<b>Temporary supply - LT&amp;HT</b>								
	<b>Total</b>	-	20	-	-	9	-	18.00	18.00
<b>A</b>	<b>Total LT</b>	<b>412,238</b>	<b>1,171</b>	-	-	-	<b>17.28</b>	<b>358.87</b>	<b>376.15</b>
<b>6</b>	<b>HT 1 Industrial</b>								
<b>6(a)</b>	<b>(A) - CD &lt; 2000</b>								
	0 - 100000	222	190	59,204	200	4	14.21	82.65	96.86
	>100000	94	160	64,163	200	5	15.40	72.00	87.40
<b>6(b)</b>	<b>(B) - 2000 &lt; CD &lt; 5000</b>								
	>0	41	583	107,313	220	5	28.33	274.01	302.34
<b>6(c)</b>	<b>(C) CD &gt; 5000</b>								
	>0	54	47	14,950	220	5	3.95	22.09	26.04
	<b>Total</b>	<b>411</b>	<b>980</b>	<b>230,680</b>	-	-	<b>61.89</b>	<b>450.75</b>	<b>512.64</b>
<b>7</b>	<b>HT 2 - Government &amp; water</b>								
	<b>Total</b>	<b>49</b>	<b>50</b>	<b>14,265</b>	<b>220</b>	<b>5</b>	<b>3.77</b>	<b>23.00</b>	<b>26.77</b>
<b>9</b>	<b>HT 3 - EHT</b>								
	<b>Total</b>	<b>9</b>	<b>324</b>	<b>80,495</b>	<b>200</b>	<b>5</b>	<b>19.32</b>	<b>145.80</b>	<b>165.12</b>
<b>B</b>	<b>Total HT</b>	<b>469</b>	<b>1,354</b>	<b>325,440</b>	-	-	<b>84.97</b>	<b>619.55</b>	<b>704.52</b>
<b>10</b>	<b>Total</b>	<b>412,707</b>	<b>2,525</b>				<b>102.25</b>	<b>978.42</b>	<b>1,080.67</b>

6.12.2 The Hon'ble Commission is requested to allow the Revenue of **Rs. 1080.67 Crore** at existing tariff for FY 2014-15 as showcased in the table above.

**6.13 Summary of Annual Revenue Requirement:**

6.13.1 The net ARR for FY 2014-15 is **Rs. 1,149.87 Crores** and the net revenue from sale of power is **Rs. 1,080.67 Crores**.

Table 6-23: ARR for FY 2014-15

Rs. Crores		
Sr. No.	Item of expense	Ensuing year (Projection) FY 2014-15
1	2	3
1	Cost of fuel	-
2	Cost of power purchase	996.74
3	Employee costs	76.28
4	R&M expenses	20.56
5	Administration and General expenses	4.25
6	Depreciation	26.45
7	Interest on Loan & Finance charges	5.31
8	Interest on Working Capital	-
9	Interest on Security Deposit	10.81
10	Return on NFA /Equity	9.99
11	Provision for Bad Debt	-
12	CGRF Expenses	-
<b>13</b>	<b>Total Revenue Requirement</b>	<b>1,150.37</b>
14	Less: Non Tariff Income	0.50
15	Less: Revenue from Sale of Power - UI Pool	-
16	Less: Revenue from Sale of Power-Exchanges	-
<b>17</b>	<b>Net Revenue Requirement (13-14-15-16)</b>	<b>1,149.87</b>
18	Revenue from Retail Sales at Existing Tariff including FPPCA Charges	1,080.67
19	Revenue from FPA Charges	-
20	Net Gap (17-18-19)	69.20
<b>21</b>	<b>Energy sales (MU)</b>	<b>2,525</b>
<b>22</b>	<b>Average Cost of Supply (Rs/kWh)</b>	<b>4.55</b>

6.13.2 The revenue from existing tariff also includes the 10% surcharge approved by the Hon`ble Commission in the Tariff order of FY 2013-14 and a separate account for surcharge and regulatory assets is maintained, hence an amount of **Rs. 108.00 Crores** is deducted from the revenue. The net Gap for the year FY 2014-15 is of **Rs. 69.20 Crores**.

6.13.3 The Hon`ble Commission is requested to approve the net ARR, revenue at existing tariffs and the revenue gap for FY 2014-15.

## CHAPTER 7. TREATMENT TO REGULATORY ASSETS

### 7.1 Revenue Gap for FY 2014-15

7.1.1 The Gap for the past 3 year is shown below i.e. from FY 2012-13 to FY 2014-15 and the increase in tariff shall be proposed considering the cumulative gap over the years. The calculation of revenue Gap is shown below:

Table 7-1: Calculation of Revenue Gap for 2012-13 to FY 2014-15

Rs. Crores

Sr. No.	Item of expense	Current year (Provisional Actual)	Current year (Revised Estimate)	Ensuing year (Projection)
		2012-13	2013-14	2014-15
1	Net Revenue Requirement (13-14-15-16)	1,006.29	1,108.50	1,149.87
2	Revenue from Retail Sales at Existing Tariff including FPPCA Charges	853.00	1,049.13	1,080.67
3	Revenue from FPA Charges	-	40.00	-
4	<b>Net Gap (17-18-19)</b>	<b>151.87</b>	<b>19.37</b>	<b>69.20</b>
5	Energy sales (MU)	2,475	2,450	2,525
6	Average Cost of Supply (Rs/kWh)	4.06	4.52	4.55
7	Commission Approved Gap	179.00		-
8	Savings in Gap	27	-	-
9	Adjustments of Previous Years Surplus Gap		27	(7.76)
10	<b>Net Gap after adjustments</b>		<b>(7.76)</b>	<b>61.44</b>

### 7.2 Treatment of Regulatory Assets and Net Gap:

7.2.1 The Commission increased the tariff for FY 2013-14 and bridged the gap for the year and also approved an additional surcharge of 10% over the revenue from tariff. The commission also suggested the petitioner to request the government to avail a one-time support of Rs. 360.28 Crores. The petitioner would like to submit that the decision on the same is being considered by the Government of Puducherry.

Table 7-2: Cumulative Gap calculation over the years

Particulars	FY 2012-13 (approved)	FY 2012-13 (actuals)	FY 13-14 (Approved)	Fy 13-14 (revised- actuals)	FY 14-15 (Projections)
Net ARR	979.04	1,004.87	1,072.82	1,108.50	1,149.87
Less: Revenue at Existing Tariffs	799.94	853.00	851.00	1,049.13	1,080.67
<b>Revenue Gap for the year</b>	<b>179.10</b>	<b>151.87</b>	<b>221.82</b>	<b>59.37</b>	<b>69.20</b>
Add: Past Gap approved by JERC					
<i>Gap for FY 2009-10</i>			59.54	59.54	207.98
<i>Gap for FY 2010-11</i>			96.19	96.19	
<i>Gap for FY 2011-12</i>			346.01	346.01	
<i>Gap for FY 2012-13</i>			179.10	151.87	
<i>Gap for FY 2013-14</i>			-	-	
<b>Total Gap for Previous years</b>			<b>680.84</b>	<b>653.61</b>	<b>207.98</b>
<b>Total Cumulative Gap</b>			<b>902.66</b>	<b>712.98</b>	<b>277.18</b>
Less: Revenue Addi from Revised Tariffs			225.67	-	-
Less: Revenue from Surcharge			107.39	105.00	108.00
Less Revenue from FFPCA				40.00	-
<b>Net Cumulative Gap</b>			<b>569.60</b>	<b>567.98</b>	<b>169.18</b>
Less: Request of JERC to approach State Govt for addressing Gap			360.28	360.00	
<b>Balance Regulatory Amount</b>			<b>209.32</b>	<b>207.98</b>	<b>169.18</b>

7.2.2 It is submitted to the Hon`ble Commission that considering the tariff increase of 16.08% in FY 12-13 and 26.48% in FY 2013-14 with 10% additional surcharge from FY 13-14, and also in view of not giving a tariff shock to the consumers every year, the petitioner has considered not proposing a tariff hike and the same shall be taken up during True-up petition on actual values of expenses.

7.2.3 The Petitioner requests the Hon`ble Commission to approve the net revenue gap and treat the gap as regulatory asset.

**CHAPTER 8. DETERMINATION OF OPEN ACCESS CHARGES****8.1 Allocation of ARR between wheeling and Retail Supply**

8.1.1 The petitioner submits that it has computed open access charges as per methodology adopted by Hon'ble Commission in previous tariff order. The allocation between the wheeling and retail supply business for FY 2013-14 and FY 2014-15 is given in the table below:

**Table 8-1: Allocation of ARR between wheeling and Retail Supply**

Sr. No.	Item of expense	Allocation (%)		Allocation FY 2013-14			Allocation FY 2014-15		
		wheeling	supply	wheeling	supply	Total	wheeling	supply	Total
1	2	3		4	5		6	7	
1	Cost of fuel	0%	100%						
2	Cost of power purchase	0%	100%	-	984.77	984.77	-	996.73	996.73
3	Employee costs	70%	30%	48.78	20.91	69.69	53.39	22.88	76.28
4	R&M expenses	90%	10%	18.14	2.02	20.15	18.50	2.06	20.56
5	Administration and General expenses	50%	50%	1.98	1.98	3.96	2.12	2.12	4.25
6	Depreciation *	90%	10%	21.29	2.37	23.65	23.80	2.64	26.45
7	Interest on Loan & Finance charges	90%	10%	4.08	0.45	4.53	4.78	0.53	5.31
8	Interest on Working Capital *	22%	78%	-	-	-	-	-	-
9	Interest on Security Deposit *	0%	100%	-	8.39	8.39	-	10.81	10.81
10	Return on NFA /Equity *	90%	10%	8.87	0.99	9.85	8.99	1.00	9.99
11	Provision for Bad Debt	0%	100%	-	-	-	-	-	-
12	other/CGRF Expenses	90%	10%	-	-	-	-	-	-
<b>13</b>	<b>Total Revenue Requirement</b>			<b>103.13</b>	<b>1,021.87</b>	<b>1,125.00</b>	<b>111.59</b>	<b>1,038.78</b>	<b>1,150.37</b>
14	Less: Non Tariff Income	0%	100%	-	0.50	0.50	-	0.50	0.50
15	Less: Revenue from Sale of Power - UI Pool	0%	100%	-	16.00	16.00	-	-	-
16	Less: Revenue from Sale of Power-Exchanges	0%	100%	-	-	-	-	-	-
<b>17</b>	<b>Net Revenue Requirement (13-14-15-16)</b>			<b>103.13</b>	<b>1005.37</b>	<b>1108.50</b>	<b>111.59</b>	<b>1038.28</b>	<b>1149.87</b>

**8.2 Voltage wise Wheeling Charges**

8.2.1 The Voltage wise loss levels are taken as approved by the Commission in the Tariff Order of FY 2013-14. The table depicting the same is shown below:

**Table 8-2: Voltage wise Loss**

Voltage Level	Loss
EHT	1.0%
HT-33/22/11KV	5.0%
LT	14.9%
Total	12.5%

8.2.2 The wheeling charges calculation is provided in the table below:

Table 8-3: Wheeling charges for FY 2013-14 and FY 2014-15

Particulars	UoM	S.No.	FY 2013-14	FY 2014-15
Wheeling Cost	Rs.Crs	a	103.13	111.59
Wheeling Cost at EHT	Rs.Crs	b=ax49%	50.53	54.68
Wheeling Cost at HT	Rs.Crs	c=ax9%	9.28	10.04
Wheeling Cost at LT	Rs.Crs	d=ax42%	43.31	46.87
Energy Input at Discom Periphery	MU	e	2,908.62	2,885.37
<b>Wheeling Charge at EHT Level</b>	<b>Rs/kWh</b>	<b>F=b/ex10</b>	<b>0.17</b>	<b>0.19</b>
EHT Losses	%	g	1.00%	1.00%
EHT Losses	MU	h	29.09	28.85
Sales at EHT Level	MU	i	401.53	324.00
Energy Input at HT	MU	j=e-h-i	2,478.01	2,532.52
<b>Wheeling Charge at HT Level</b>	<b>Rs/kWh</b>	<b>k=c/jx10</b>	<b>0.04</b>	<b>0.04</b>
HT Losses	%	l	5.00%	5.00%
HT Losses	MU	m	123.90	126.63
Sales at HT Level	MU	n	995.00	1,030.00
Energy Input at LT	MU	o=j-m-n	1,359.11	1,375.89
<b>Wheeling Charge at LT Level</b>	<b>Rs/kWh</b>	<b>p=d/ox10</b>	<b>0.32</b>	<b>0.34</b>
Sales at LT Level	MU	q	1,146.00	1,170.70
LT Losses	MU	r=o-q	213.11	205.19
LT Losses	%	%	15.7%	14.9%
<b>Total Losses</b>	MU	s=r+m+h	366.09	360.67
	%		0.13	0.13

### 8.3 Cross Subsidy Surcharge

8.3.1 The Cross Subsidy surcharge is based on the formula as per Tariff Policy i.e.

$$S = T - [C(1 + L/100) + D]$$

Where,

S is surcharge

T is tariff payable by relevant category of consumers

C is weighted average cost of power purchase of top 5% at the margin excluding liquid fuel based generation and renewable power

D is wheeling charges

L is the System Losses for the applicable voltage level.

8.3.2 The computation of CSS is shown below:

**Table 8-4: Calculation of "T" as per ARR of FY 2014-15**

<b>Calculation of T - Based on ARR FY 2014-15</b>				
	<b>Particulars</b>	<b>Sales</b>	<b>Revenue from existing Tarrif</b>	<b>Average Tariff</b>
<b>T=</b>	HT1 Industrial	980.00	512.64	5.23
<b>T=</b>	HT2 Govt. & Water Tank	50.00	26.77	5.35
<b>T=</b>	HT3 EHT	324.00	165.12	5.10

8.3.3 The computation of 'C' based on top 5% of power is shown below:

**Table 8-5: Calculation of 'C' based on ARR of FY 2014-15**

<b>Calculation of C - Based on ARR FY 2014-15</b>				
	<b>Station</b>	<b>Energy Procured (MU)</b>	<b>Avg. Rate</b>	<b>Total Power Purchase Cost(Rs.Cr)</b>
<b>C =</b>	TPS II Stage I	149.79	<b>2.16</b>	32.36

8.3.4 The table below provides the computation of total cost for FY 2014-15:

**Table 8-6: Calculation of total Cost based on ARR of FY 2014-15**

<b>Calculation of Total Cost - Based on ARR FY 2014-15</b>						
	<b>Particulars</b>	<b>Unit</b>	<b>Upto 33 kV</b>	<b>11 kV</b>	<b>LT Level</b>	<b>EHT Level</b>
<b>D =</b>	Wheeling Charges	Rs./Unit	0.04	0.04	0.34	0.19
<b>L =</b>	System Losses for the applicable voltage	%	5.00%	5.00%	12.50%	1.00%
<b>Total</b>	<b>[C (1+ L / 100) + D]</b>	<b>Rs./Unit</b>	<b>2.20</b>	<b>2.20</b>	<b>2.50</b>	<b>2.35</b>

8.3.5 Based on the above discussion parameters, Cross Subsidy Surcharge for FY 2014-15 is computed for HT categories in the table below:

Table 8-7: Calculation of Cross Subsidy Surcharge for FY 2014-15

Computation of Cross Subsidy Surcharge - FY 2014-15				
Major Consumer Categories	Sales	Revenue from Proposed Tariff	Avg. Tariff	Cross Subsidy Surcharge
HT1 Industrial	980.00	512.636	5.23	3.030
HT2 Govt. & Water Tank	50.00	26.766	5.35	3.152
HT3 EHT	324.00	165.119	5.10	2.746

8.3.6 The petitioner requests Hon'ble Commission to approve the Cross Subsidy Surcharge & related Open Access Charges for FY 2014-15 as proposed.

#### 8.4 Additional Surcharge

8.4.1 The petitioner submits that it will approach Hon'ble Commission separately on case to case basis seeking approval for 'Additional Surcharge'.



**CHAPTER 9. PRAYER TO THE COMMISSION**

- 9.1 The Electricity Department, Government of Puducherry (PED) respectfully prays to the Hon'ble Commission to:
- 9.1.1 Condone the delay in submission of the Aggregate Revenue Requirement (ARR) petition.
- 9.1.2 Admit this petition for approval of Aggregate Revenue Requirement (ARR), and Expected Revenue from Charges.
- 9.1.3 Review the provisional actual performance of FY 2012-13, and approve the Aggregate Revenue Requirement (ARR), and gap for FY 2012-13, subject to final approval on the basis of true-up based on audited accounts.
- 9.1.4 Provisionally approve the consolidated gap up to end of FY 2013-14 based on the revised estimates and projections, subject to final approval on the basis of true-up based on audited accounts.
- 9.1.5 Approve the Aggregate Revenue Requirement (ARR), Expected Revenue from Charges (ERC) and the gap for FY 2014-15.
- 9.1.6 To consider the IT and ITES consumers under High Tension I (a) and High Tension I (b) categories, considering the petitions and requests made in the public hearing by the above said consumers for transferring them from High Tension I (c) commercial to High Tension I (a) and High Tension (1b) industries.
- 9.1.7 Grant approval for continuing the Schedule of tariff (considering the prayer under clause 9.1.6), charges for services and schedule of charges along with the surcharge as approved in the tariff order for FY 2013-14 in the year FY 2014-15 also.
- 9.1.8 To approve and recover the FPPCA charges as per regulations during the FY 2014-15.
- 9.1.9 Grant approval for the revenue gap for FY 12-13, FY 13-14 and FY 14-15 and treat them as regulatory assets.
- 9.1.10 Grant any other relief as the Hon'ble Commission may consider appropriate. The petitioner craves leave of the Hon'ble Commission to allow further submission, addition and alteration to this petition as may be necessary from time to time.
- 9.1.11 To pass any other Order as the Hon'ble Commission may deem fit and appropriate under the circumstances of the case and in the interest of justice

The petitioner declares that the subject matter of the petition has not been raised by the petitioner before any other competent forum, and that no other competent forum is currently seized of the matter or has passed any order in relation thereto.

**CHAPTER 10. TARIFF SCHEDULE FOR FY 2014-15****10.1 Tariff Schedule for FY 2014-15**

- 10.1.1 The tariff indicated in this tariff schedule is the tariff rate payable by the consumers of Union Territory of Puducherry.
- 10.1.2 These tariffs are exclusive of electricity duty, tax on sale of electricity, taxes and other charges levied by the Government or other competent authorities from time to time.
- 10.1.3 Unless otherwise agreed to, these tariffs for power supply are applicable to single point of supply.
- 10.1.4 The power supplied to a consumer shall be utilized only for the purpose for which supply is taken and as provided for in the tariff. If energy supplied for a specific purpose under a particular tariff is used for a different purpose, not contemplated in the contract for supply and / or for which higher tariff is applicable, it will be deemed as unauthorized use of electricity and shall be dealt with for assessment under the provisions of section 126 of the Electricity Act, 2003 & Supply Code Regulation notified by JERC. Provided that,
- a. if a portion of the domestic premises limited to only one room is used for running small household business having connection under domestic category, such connection shall be billed under domestic category provided that the total monthly consumption of the consumer (including consumption for above mentioned small household business) does not exceed 150 kWh
  - b. If either more than one room or only one room having monthly consumption exceeding 150 kWh for consecutive three months is detected in the domestic premises being used for mixed purposes having domestic connection, such connection shall further be billed under commercial category until a separate connection of appropriate tariff is taken for that portion used for non-domestic purpose.
- 10.1.5 If connected load of a domestic category is found to be at variance from the sanctioned/ contracted load as a result of replacement of appliances such as lamps, fans, fuses, switches, low voltage domestic appliances, fittings, it shall not fall under Section 126 and Section 135 of the EA 2003.

**10.1.6 Power Factor Charges for HT and EHT**

The monthly average power factor shall mean the ratio expressed as percentage of total kWh to total kVAh supplied during the month. The ratio shall be rounded up to two figures.

- a) The monthly average power factor of the supply shall be maintained by the consumer not less than 0.90 (lagging). If the monthly average power factor of a consumer falls below 90% (0.9 lagging), such consumer shall pay a surcharge in addition to his normal tariff @ 1% on billed demand and energy charges for each fall of 0.01 in power factor upto 0.7(lagging)
- b) In case the monthly average power factor of the consumer is more than 95% (0.95 lagging), a power factor incentive @ 0.5% on demand and energy charges shall be given for each increase of 0.01 in power factor above 0.95 (lagging).
- c) If the average power factor falls below 0.70 (lagging) consecutively for 3 months, the licensee reserves the right to disconnect the consumer's service connection without prejudice for the levy of the surcharge.
- d) The power factor shall be rounded off to two decimal places. For example, 0.944 shall be treated as 0.94 and 0.946 shall be treated as 0.95

10.1.7 If the consumer fails to pay the energy bill presented to him by the due date, the Department shall have the right to disconnect the supply after giving 15 days' notice as per provision of the Act & Supply Code Regulation.

10.1.8 Fixed charges, wherever applicable, will be charged on pro-rata basis from the date of release of connection. Fixed charges, wherever applicable, will be double as and when bimonthly billing is carried out, Similarly slabs of energy consumption will also be considered accordingly in case of bi-monthly billing.

10.1.9 The billing in case of HT/EHT shall be on the maximum demand recorded during the month or 75% of contracted demand, whichever is higher. If in any month, the recorded maximum demand of the consumer exceeds its contracted demand, that portion of the demand in excess of the contracted demand shall be billed at double the normal rate. Similarly, energy consumption corresponding to excess demand shall also be billed at double the normal rate. The definition of the maximum demand would be in accordance with the provisions of the Supply Code Regulation. If such over-drawl is more than 20% of the contract demand then the connections shall be disconnected immediately.

**Explanation:** Assuming the contract demand as 100 KVA, maximum demand at 120 KVA and total energy consumption as 12000 kWh, then the consumption corresponding to the contract demand will be 10000 kWh ( $12000 \times 100 / 120$ ) and consumption corresponding to the excess demand will be 2000 kWh. This excess demand of 20 KVA and excess consumption of 2000 kWh will be billed at twice the respective normal rate. Such connections drawing more than 120 kVA, shall be disconnected immediately.

10.1.10 Unless specifically stated to the contrary, the figures of energy charges relates to Rs per unit (kWh) charge for energy consumed during the month.

10.1.11 **Delayed payment surcharge** shall be applicable to all categories of consumers. Delayed payment surcharge of 2% per month or part thereof shall be levied on all arrears of bills. Such surcharge shall be rounded off to the nearest multiple of one rupee. Amount less than 50 paise shall be ignored and amount of 50 paise or more shall be rounded off to next rupee. In case of permanent disconnection, delayed payment surcharge shall be charged only upto the month of permanent disconnection.

10.1.12 **Advance Payment Rebate:** If payment is made in advance well before commencement of consumption period for which bill is prepared, a rebate @ 1% per month shall be given on the amount (excluding security deposit) which remains with the licensee at the end of the month. Such rebate, after adjusting any amount payable to the licensee, shall be credited to the account of the consumer.

10.1.13 **Prompt Payment Rebate:** If payment is made at least 7 days in advance of the due date of payment a rebate for prompt payment @ 0.25 % of the bill amount shall be given. Those consumers having arrears shall not be entitled for such rebate.

10.1.14 **Time of Day (TOD) tariff**

- i. Under the Time of Day (ToD) Tariff, electricity consumption and maximum demand in respect of HT/EHT consumers for different periods of the day, i.e. normal period, peak load period and off-peak load period, shall be recorded by installing a ToD meter.
- ii. The maximum demand and consumption recorded in different periods shall be billed at the following rates on the tariff applicable to the consumer

Table 10-1: ToD Time Period and Charges

Time of Use	Demand Charges	Energy Charges
Normal Period (6:00am to 6:00 pm)	Normal Rate	Normal Rate of Energy Charges
Evening Peak Load Period (6:00 pm to 10:00 pm)	Normal Rate	120% of normal rate of energy charges
Off-peak load period (10:00pm to 6:00 am)	Normal Rate	90% of normal rate of energy charges

iii. Applicability and Terms and Conditions of TOD tariff

- a. TOD tariff shall be **optional** unless otherwise specifically stated to the contrary in the tariff order
- b. The facility of aforesaid TOD tariff shall not be available to HT/EHT consumers having captive power plants and/or availing supply from other sources through wheeling of power
- c. The HT/EHT industrial consumers who have installed standby generating plants shall also be eligible for the aforesaid TOD tariff.
- d. In the event of applicability of TOD tariff to a consumer, all other terms and conditions of the applicable tariff shall continue to apply.

10.1.15 The adjustment on account of Fuel and Power Purchase Cost variation shall be calculated in accordance with FPPCA formula separately notified by the Commission under the Regulation. Such charges shall be recovered / refunded in accordance with the terms and conditions specified in the FPPCA formula.

10.1.16 As regards to the recovery of the past gap the Commission hereby approves an additional surcharge of 10% to be levied to all consumers above tariff rates on the fixed and energy charges (excluding taxes etc.) towards the recovery of the past accumulated deficit. However, the Agriculture and OHOB category would be excluded from the levy of this surcharge.

10.1.17 The values of the 'K' factor applicable for the different consumer categories for use in the FPPCA formula shall be as specified in this Tariff Order for FY 2013-14.

10.1.18 Schedule of service charges and other charges would be as approved in the tariff order.

**10.2 Low Tension Supply****Domestic Purposes****10.2.1 Domestic Purposes (A2)**

1. This tariff is applicable to services for lights, fans, Air-conditioning, Heating and other small domestic appliances etc used for:
  - a. Genuine domestic purposes including common services for stair-case, lifts, water tanks in the purely domestic apartments
  - b. Supply to actual places of public worship such as temples, mosques, churches etc.
  - c. Ashrams and Mutts, Non-commercial orphanage homes and old people homes run by religious and charitable institutions, social welfare and voluntary organizations
  - d. Youth hostels, Harijan hostels, Rehabilitation Centres, Anganwadies and Balwadies run by Social Welfare Department.
  - e. For own residences where one room is set apart for the purpose of consultation by doctors, lawyers, engineers, architects and auditors.
  - f. To handloom in residence of handloom weavers (regardless of the fact whether outside labour is employed or not) and to handloom in sheds erected.
  - g. To the residences where supply from a house is extended to tailoring shops, job typing, document writing, laundry pressing, and small caterers set up in the verandah of the house with small lighting load only (one tube light only).

2. The charges for domestic service are as indicated in the table below

**Table 10-2: Existing and Proposed Charges for Domestic Category**

Consumption Range	Existing Charges		Proposed Charges	
	Fixed Charges (Rs/ Connection/ Month)	Energy Charge (Rs/ KWh)	Fixed Charges (Rs/ Connection/ Month)	Energy Charge (Rs/ KWh)
0-100 units per month	20.00	1.00	20.00	1.00
101-200 units per month	20.00	1.50	20.00	1.50
201-300 units per month	30.00	2.80	30.00	2.80
Above 300 units per Month	30.00	3.50	30.00	3.50

3. The method of billing of charges shall be as explained below.
  - a. Say units billed in a month are 80 units. Then the fixed charges will be Rs 20/month and energy charges Rs 80 (80 units X Rs 1.00/unit)
  - b. In case the units billed are 275, then the fixed charges will be Rs 30/month and energy charges will be Rs 460 (100 units X 1.00 + 100 units X 1.50 + 75 units X 2.80)

### 10.2.2 HUT SERVICES (A3)

1. For supply to bonafide hut services with only two numbers of 40W Florescent Tube Lights.
2. The charges for hut services (OBOH) are as indicated in Table below:

**Table 10-3: Existing and Proposed Charges for Hut Category**

Description	Existing Fixed Charges	Proposed Fixed Charges
Hut Services	Rs. 25.00 per connection per month	Rs. 25.00 per connection per month

#### Note

- a. *Hut is defined as a living place not exceeding 300 sq. ft. or 27.87 sq.m. with mud wall/brick wall or thatched wall and thatched roof only. Hut does not include farm huts. If any of the conditions is changed at a later stage, this concessional supply will be discontinued and the consumer will have to take metered supply.*
- b. *The tariff under this item is also applicable for houses constructed for economically weaker sections under the "Chief Minister's 5000 houses programme" and houses constructed by the District Rural Development Agency under Indira Awaas Yojana and by the Adi Dravidar Welfare Department having a living space not exceeding 300 sq. ft. or 27.87 sq.*
- c. *The consumer under this category should use only two numbers of 40 watts florescent tube lights. He should not use bulbs/tube lights of higher wattage or connect any other electrical equipment/ appliances other than those mentioned above. Supply from such services should not be tapped for any other purposes including functions, public meetings and also for neighboring huts. If at any time, any unauthorized load or extension, use of higher wattage bulbs or use of service for other purposes is detected, the service will be disconnected forthwith.*

### 10.2.3 COMMERCIAL (A1)

1. This tariff is for Lights and combined installation of lights and fans, mixed loads of lights and power, heating and air-conditioning applicable to:



- a. Non-domestic and non-industrial consumers, trade and commercial premises.
  - b. Educational institutions, hostels, public libraries.
  - c. Hotels, Restaurants, Boarding and Lodging Homes
  - d. Hospitals, Private clinics, Nursing Homes, Diagnostic Centres, X-ray Units etc.
  - e. IT related development Centres and Service centres.
  - f. Common services for Stair-case, lifts, water tanks etc in the purely commercial /combination of commercial and domestic.
2. The charges are as indicated in the table below

**Table 10-4: Existing and Proposed Charges for Commercial Category**

Consumption Range	Existing Charges		Proposed Charges	
	Fixed Charges (Rs/Connection/ Month)	Energy Charge (Rs/ KWh)	Fixed Charges (Rs/Connection / Month)	Energy Charge (Rs/ KWh)
0-100 units per month	60.00	3.50	60.00	3.50
101-250 units per month	60.00	4.50	60.00	4.50
Above 250 units per month	60.00	5.00	60.00	5.00

**AGRICULTURE SERVICES (D)**

**Agriculture/Cottage Industries etc.**

**10.2.4 Agriculture (D1)**

For supply to bonafide agricultural services with a connected load of not less than 3 HP per service

**Table 10-5: Existing and Proposed Charges for Agriculture Category**

Description	Existing Fixed Charges	Proposed Fixed Charges
Small Farmers	Rs 8.00 per HP per Month	Rs 8.00 per HP per Month
Other Farmers	Rs 25.00 per HP per Month plus Service Charges Rs 225 per service per annum	Rs 25.00 per HP per Month plus Service Charges Rs 225 per service per annum

**Note:**

- a. *Electricity will be supplied under the tariff category “Small farmers” to those consumers whose families are solely dependent on the income derived from their agricultural land holding, which should not exceed two and half acres of wet land or five acres of dry land. A certificate to this effect from Revenue authority shall be produced. "Small farmer means a person whose total holding, whether as owner, tenant or mortgaged with possession or partly in one capacity and partly in another, does not exceed two-and-a half acres of wet lands or five acres of dry land. In*

*computing the extent of land held by a person who holds wet and dry lands, two acres of dry land shall be taken as equivalent to one acre of wet land.*

- b. The above concession will be withdrawn if resale of energy or unauthorized load / extension or use for other purpose is detected by the Department.*
- c. Agricultural power loads below 3 H.P. will be charged under Tariff Category A1. A bonafide farmer may use his motor in the Agricultural Service for allied agricultural purposes such as sugarcane crushing, thrashing etc. with the prior approval of concerned Executive Engineer (Operation & Maintenance), Electricity Department.*
- d. Power supply to Farm Houses shall be metered separately and charged under domestic tariff (A2).*

#### **Payment of Tariff Charges by Agriculture Consumers**

- a. The Tariff shall be collected in three equal installments payable in April, August and December in each year. The installments shall be payable before the 15th of the respective months. The service charges of Rs 225 per annum shall also be collected in three installments of Rs. 75, Rs. 75 and Rs. 75 along with installment of fixed charges in April, August and December months.
- b. For new service, the first installment shall be proportionate to the number of whole months remaining till the month in which the first installment is due. Fraction of a month shall be reckoned as a whole month

#### **10.2.5 Cottage Industries /Poultry Farms/ Horticulture/Pisciculture (D2)**

It is applicable to bonafide cottage industries, horticultural nurseries including plant tissue culture media, bona fide poultry farms and pisciculture.

The charges are as indicated in the table below:

**Table 10-6: Existing and Proposed Charges for Cottage Industry**

Consumption Range	Existing Charges		Proposed Charges	
	Fixed Charges (Rs/Connection/ Month)	Energy Charge (Rs/ KWh)	Fixed Charges (Rs/Connection/ Month)	Energy Charge (Rs/ KWh)
0-100 units per month	20.00	1.00	20.00	1.00
101-200 units per month	20.00	1.50	20.00	1.50
201-300 units per month	30.00	2.80	30.00	2.80
Above 300 units per Month	30.00	3.50	30.00	3.50

**Note:**1. *Cottage industries*

*The following conditions should be satisfied in order that an industry may be classified as a bona fide cottage industry:*

- a. It should be conducted entirely within the home, the home being deemed to be permanent residence of the proprietor.*
- b. The industry shall not cause any residence to constitute a factory within the meaning of the Factories Act, 1948.*
- c. Not more than two persons outside the immediate family of the proprietor shall be employed in the factory.*
- d. It should be certified by the Director of Industries that the industry for which power is used is a cottage industry.*
- e. The produce is not purely utilized mainly for the domestic consumption of the proprietor but should also be available for sale to the public*

2. *Poultry farms*

*The following conditions should be satisfied in order that the service may be classified as a bona fide poultry farm.*

- a. The capacity of the farm shall be a minimum of 100 birds and maximum of 5,000 birds (both layer and broiler birds).*
- b. The application of the beneficiary seeking such concession shall be verified and recommended by the Animal Husbandry Department.*

3. *Horticultural/Pisciculture*

*The applications of the beneficiary seeking such concession shall be verified and recommended by the Director, Agriculture Department. For Pisciculture, applications of the beneficiary seeking such concession shall be verified and recommended by the Director, Fisheries Department*

**10.2.6 Public Lighting**

- a. The tariff for public lighting will be as follows

**Table 10-7: Existing and Proposed Charges for Public Lighting**

Description	Existing Charges		Proposed Charges	
	Fixed Charges (Rs/Pole/Month)	Energy Charge (Rs/ KWh)	Fixed Charges (Rs/Pole/Month)	Energy Charge (Rs/ KWh)
Public Lighting	50.00	4.20	50.00	4.20

- b. This tariff will also apply to public lighting in markets, bus stands, traffic signals, high mast lights on public ways, public parks, public lighting in notified industrial estates.

**Industrial (C)**

**10.2.7 LT Industrial (C1)**

- a. Applicable to low tension industrial consumers including lighting in the industrial services except those mentioned in Tariff `C2' category.

The charges are as indicated in the table below.

**Table 10-8: Existing and Proposed Charges for LT Industrial (C1)**

Consumption Range	Existing Charges		Proposed Charges	
	Fixed Charges (Rs/Connection/ Month)	Energy Charge (Rs/ KWh)	Fixed Charges (Rs/Connection/ Month)	Energy Charge (Rs/ KWh)
0-1000 units per month	60.00	4.30	60.00	4.30
Above 1000 units per month	60.00	4.50	60.00	4.50

**10.2.8 LT INDUSTRIAL (C2)**

1. Applicable to water tanks including lighting in the premises maintained by State Government Departments / Undertakings and Local Bodies.
2. The energy charges are as indicated in the table below.

**Table 10-9: Existing and Proposed Charges for LT Industrial (C2)**

Description	Existing Charges		Proposed Charges	
	Fixed Charges (Rs/Connection/ Month)	Energy Charge (Rs/ KWh)	Fixed Charges (Rs/Connection/ Month)	Energy Charge (Rs/ KWh)
Water Tank Entire Consumption	60.00	4.60	60.00	4.60

3. LT Supply Limit for all LT Categories: For single phase connection, the connected load shall not exceed 4 kW, and for 3 phase connection, the connected load shall not exceed 130 HP or 97 kW

### 10.3 High Tension Supply

#### 10.3.1 High Tension – I

##### High Tension I (a)

- Applicable to industrial establishments, IT and ITES based Companies registered under Factories Act/ Companies Act with Contracted Maximum demand upto 2000 kVA.

##### High Tension I (b)

- Applicable to industrial establishments, IT and ITES based Companies registered under Factories Act/ Companies Act with Contracted Maximum demand of greater than 2000 kVA & upto 5000 kVA.

##### High Tension I (c)

- For Commercial Establishments including Laboratories, Hotels, Marriage Halls, Cinema Theatres, Private educational Institutions, Private Hospitals, shopping Malls, Telephone exchanges, broadcasting companies with contracted maximum demand upto 5000 kVA.

10.3.2 The demand and the energy charges are as indicated in the table below

**Table 10-10: Existing and Proposed Charges for High Tension I Category**

Description	Existing Charges		Proposed Charges	
	Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
<b>HT (I)(a)</b> for Contract Demand upto 2000KVA				
(i) upto 100000 units	Rs 200per KVA per Month	Rs. 4.35/ KWh	Rs 200per KVA per Month	Rs. 4.35/ KWh
(ii)above 100000 units		Rs 4.5/KWh		Rs 4.5/KWh
<b>HT (I) (b)</b> for contract demand greater than 2000KVA and upto 5000 KVA	Rs 220 per KVA per Month	Rs 4.7/ KWh	Rs 220 per KVA per Month	Rs 4.7/ KWh
<b>HT (I) (c)</b> for contract demand upto 5000 KVA	Rs 220 per KVA per Month	Rs 4.7/KWH	Rs 220 per KVA per Month	Rs 4.7/KWH

10.3.3 The billing shall be on the maximum demand recorded during the month or 75% of contracted demand whichever is higher. If in any month, the recorded maximum demand of the consumer exceeds its contracted demand, that portion of the demand in excess of the contracted demand will be billed at double the normal rate. Similarly, energy consumption corresponding to excess demand shall also be billed at double the normal energy rate. The definition of the maximum demand would be in

accordance with the provisions of the Supply Code Regulation. If such over-drawl is more than 20% of the contract demand then the connections shall be disconnected immediately.

**Explanation:**

Assuming the contract demand as 100 kVA, maximum demand at 120 kVA and total energy consumption as 12000 units, then the consumption corresponding to the contract demand will be 10,000 units ( $12000 \times 100 / 120$ ) and consumption corresponding to the excess demand will be 2000 units. This excess demand of 20 kVA and excess consumption of 2000 units will be billed at twice the respective normal rate. E.g. in case of HT(I) (b) category, excess demand and consumption will be billed at the rate of Rs 440 per kVA per month and Rs 9.40/kWh respectively.

**10.3.4 High Tension – II**

- a. Applicable to State and Central Government establishments of non-industrial and noncommercial nature.
- b. The fixed/demand charges and energy charges are as indicated in the table below

**Table 10-11: Existing and Proposed Charges for High Tension II Category**

Description	Existing Charges	Proposed Charges
Fixed (Demand Charges)	Rs 220 per KVA per Month	Rs 220 per KVA per Month
Energy Charges	Rs 4.60/ KWh	Rs 4.60/ KWh

- c. The billing shall be the maximum demand recorded during the month or 75% of contracted demand whichever is higher. If in any month, the recorded maximum demand of the consumer exceeds its contracted demand, that portion of the demand in excess of the contracted demand will be billed at double the normal rate. Similarly, energy consumption corresponding to excess demand shall also be billed at double the normal energy rate. The definition of the maximum demand would be in accordance with the provisions of the Supply Code Regulation. If such over-drawl is more than 20% of the contract demand then the connections shall be disconnected immediately.

**10.3.5 High Tension – III**

- a. Applicable to all types of industries supplied at 110 KV or 132 KV as the case may be
- b. The demand and energy charges are as indicated in the table below

**Table 10-12: Existing and Proposed Charges for High Tension III Category**

Description	Existing Charges	Proposed Charges
Fixed (Demand Charges)	Rs 220 per KVA per Month	Rs 220 per KVA per Month
Energy Charges	Rs 4.50/ KWh	Rs 4.50/ KWh

- c. The billing shall be the maximum demand recorded during the month or 75% of contracted demand whichever is higher. If in any month, the recorded maximum demand of the consumer exceeds its contracted demand, that portion of the demand in excess of the contracted demand will be billed at double the normal rate. Similarly, energy consumption corresponding to excess demand shall also be billed at double the normal energy rate. The definition of the maximum demand would be in accordance with the provisions of the Supply Code Regulation. If such over-drawl is more than 20% of the contract demand then the connections shall be disconnected immediately.

#### Supply Voltage for all HT categories

The supply voltage for HT consumer's upto 5000 kVA will be 33 kV, 22 kV or 11 kV as the case may be. New High Tension consumers who want to avail a contract demand above 5000 KVA or existing High Tension consumers who want to enhance their demand beyond total contract demand of 5000 kVA should avail power at 110 KV or 132 KV as the case may be.

#### 10.3.6 TEMPORARY SUPPLY

- a. The tariff applicable and minimum charges for the temporary supply of energy will be as follows:

Table 10-13: Existing and Proposed Charges for Temporary Supply

Category	Existing Charges		Proposed Charges	
	Tariff Applicable	Minimum Charges	Tariff Applicable	Minimum Charges
Lights or Combined installation of lights and fans, motive power, heating and others	Entire Consumption: Rs 9.00/KWh	Rs 200 per connection per month or part there of	Entire Consumption: Rs 9.00/KWh	Rs 200 per connection per month or part there of
Special Illumination	Entire Consumption: Rs 9.00/KWh	Rs 500 per connection per month or part thereof	Entire Consumption: Rs 9.00/KWh	Rs 500 per connection per month or part thereof
Construction and testing purpose for load exceeding 130 HP or 97 kW	Entire Consumption: Rs 9.00/KWh	Rs 500 per connection per month or part thereof	Entire Consumption: Rs 9.00/KWh	Rs 500 per connection per month or part thereof

#### NOTE:

- a. The rate for Special illumination shall apply to weddings, garden-parties and other

- Private/Government functions when the illumination is obtained through bulbs fastened in other surfaces of wall of buildings, on trees and poles inside the compound and in pandal etc., outside the main building.*
- b. In cases where such Special illumination is done in the existing regular services the energy utilized for such illumination shall be metered separately and the consumption will be charged under Special illumination charge as levied under temporary supply*
- c. Wherever such Special illumination is done unauthorized, a penal charge of Rs. 500 for service shall be levied in addition to the existing tariff of the installation.*
- d. Other conditions for connection of line and service connection charges, dismantling, security deposit etc. will be as per the rules now in force.*
- e. For supply required at short notice that is within three days from the date of application for temporary service connections, an urgency charge of Rs. 50 shall be paid along with other normal tariff charges*



## CHAPTER 11. PROPOSED SCHEDULE OF SERVICES & CHARGES

### 11.1 Charges for service connections

11.1.1 The following table shows the charges for service connections

**Table 11-1: Proposed Service Connection Charges**

	Particulars	Category	Existing Charges (Rs.)	Proposed Charges [Rs]
<b>(A)</b>	New LT overhead service lines	(i) One hut one Bulb	Nil	Nil
		(ii) Other single phase Services	250	250
		(iii) Three phase Services	500	500
		(iv) L.T C.T operated Meter services	3000	3000
		(v) H.T Services	5000	5000
<b>(B)</b>	New LT underground service lines	(i) Single Phase services	500	500
		(ii) Three phase Services	1000	1000
<b>(C)</b>	Rating / re-rating of services	(i) Single phase Services	125	125
		(ii) Three phase Services	250	250
		(iii) L.T C.T operated Meter service	1500	1500
		(iv) H.T Service	2500	2500

**Note:** The above charges under (A) & (B) will be applicable for addition or alteration or reduction of connected load and enhancement or reduction of CMD or alteration of internal Electrical installations.

### 11.2 Testing of installation

11.2.1 Testing for servicing a new installation (or of an extension or alteration) - For the first test No Charge. Subsequent testing warranted due to absence of contractor or his representative (or) due to defects in wiring of consumer's premises or at the request of the consumer or at occasions that warrant testing of installations for the second time for reasons attributable to the consumers

**Table 11-2: Proposed Testing of Installation Charges**

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
i) Domestic lighting / Commercial lighting / Agriculture Services	200	200
(ii) Other LT Services	900	900
(iii) HT/EHT Services	7500	7500

**11.3 Testing of meters & metering arrangements****11.3.1 For testing of meter at the instance of the consumer****Table 11-3: Proposed Testing of Metering Charges**

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Single phase direct meter	150	150
(ii) Three phase direct meter upto 50 A	200	200
(iii) L.T C.T coil test	800	800
(iv) H.T Tri-vector Meter (0.5 class accuracy or CT operated LT meters.	1500	1500
(v) H.T Tri-vector Meter (0.2 class accuracy)	2000	2000
(vi) H.T Metering Cubicle	3500	3500

**11.4 Testing of HT/EHT consumer protective equipment****Table 11-4: Proposed Testing of HT/EHT Consumer Equipment Charges**

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
Testing charges for protective relays (Earth fault, line fault etc.)	4500	4500
Testing charges for one set of current transformer.	4500	4500
Testing charges for one set of potential transformers.	4500	4500
Testing charges for one set of circuit breaker	4500	4500
Testing charges for measurement of earth resistance.	3000	3000
Testing charges for Transformer oils	500	500

**11.5 Disconnection / Re-connection charges****Table 11-5: Proposed Disconnection/Reconnection Charges**

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Disconnection of L.T service on request	100	100
(ii) Disconnection of HT service on request	500	500
(iii) Reconnection of L.T Service (on all occasions).	100	100
(iv) Reconnection of HT Service (on all occasions).	500	500

**11.6 Title transfer of services****Table 11-6: Proposed Disconnection/Reconnection Charges**

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Domestic	250	250
(ii) Commercial lighting installation	500	500
(iii) All other LT installation	1000	1000
(iv) HT/EHT Services	2000	2000

**11.7 Furnishing of certified copies****Table 11-7: Proposed Certified Copies Charges**

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Issue of duplicate Monthly bills for a month.	10.00	10.00
(ii) Contractor's completion-cum-test report	10.00	10.00
(iii) Ledger extract	20.00 / calendar year or part thereof.	20.00 / calendar year or part thereof.
(iv) Agreement	50.00	50.00
(v) Estimate	50.00	50.00

**11.8 Meter rent charges****Table 11-8: Proposed Meter Rent Charges**

.	Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i)	Single-phase meter	10/- per meter/ month. or part thereof	10/- per meter/ month. or part thereof
(ii)	Three phase meter	25/- per meter/ month. or part thereof	25/- per meter/ month. or part thereof
(iii)	LT C.T operated meters	200/- per meter/ month. or part hereof	200/- per meter/ month. or part hereof
(iv)	HT/EHT metering equipments	500/- per meter/ month .or part thereof	500/- per meter/ month .or part thereof

**11.9 Fuse renewal charges****Table 11-9: Proposed Fuse Renewable Charges**

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) Domestic	-NIL	-NIL
(ii) Commercial	50	50
(iii) L.T Industrial	50	50
(iv) High Tension/Extra High Tension installation	250	250

**11.10 Shifting of meter board at consumer's request****Table 11-10: Proposed Shifting of meter board Charges**

Particulars	Existing Charges (Rs.)	Proposed Charges (Rs.)
(i) LT single phase supply	125	125
(ii) LT Three phase supply	250	250

## CHAPTER 12. COMPLIANCE TO DIRECTIVES GIVEN BY JERC

### 12.1 JERC Directives in the Tariff Order for 2009-10

Sl. No.	Directives	Commissions Comments in Tariff Order 13-14	Progress Report up to third quarter of FY 13-14.
1.	<p><b>Annual Statement of Accounts</b> Electricity Department Puducherry has not prepared accounts for the electricity business separately. As electricity business comes under the preview of Electricity Act, 2003, the accounts pertaining to electricity are required to be prepared separately and got audited.</p>	The Commission appreciates the efforts made by the Petitioner. Compliance is noted.	Complied
2.	<p><b>Preparation of Asset and Depreciation Register</b> PED was directed to prepare Asset and Depreciation Register function wise and asset classification wise.</p>	The Commission appreciates the efforts made by the Petitioner. Compliance is noted.	Complied
3.	<p><b>Accounting of security deposits etc. under appropriate head of accounts</b> PED has combined the security deposits, meter security deposits and consumer contribution for service lines from the consumers under one account head. PED was directed to separate these components and account them separately under relevant heads of account.</p>	The process of upgrading the billing software and updating the security deposit records should be completed so that consumers can receive the interest on the security deposits as per the Regulations. The Petitioner has submitted that it does maintain the security deposit from the consumers, so the Petitioner is duty-bound to pay the interest on the collected security deposit. The same should be ensured by the licensee so that payment to all consumers due is made with effect from April 1'2012 for FY 2012-13 at the applicable bank rate	For HT Consumers the payment of interest will be made during the current year for the period 12-13. For LT consumers, data abstraction is being made regarding the Security Deposits and they would be paid interest due for FY 12-13.

Sl. No.	Directives	Commissions Comments in Tariff Order 13-14	Progress Report up to third quarter of FY 13-14.
4	<p><b>Energy Audit and T&amp;D Losses</b></p> <p>PED had projected the T&amp;D losses at 14% for the FY 2009-10. The Commission had observed that this loss level for a small distribution system is high and there is scope for reduction of losses. PED was directed to get its distribution system studied by a third party with the approval of the Commission so that appropriate loss reduction trajectory could be fixed. PED was also directed to get an energy audit conducted by a third party at 11 kV feeder and distribution transformer levels to identify the high loss areas and undertake steps to reduce the technical losses and control pilferage of energy. It was directed that the Petitioner shall furnish six monthly energy audit reports to the Commission as required under Regulation 15(4) of the Draft Regulations</p>	<p>and also for FY 2013-14.</p> <p>The Commission appreciates the efforts made by the licensee towards compliance of the Commission's directive. Quarterly progress report on the above compliance should be submitted to the Commission and the implementation of the above mentioned programs should be completed as stated by the licensee.</p>	<p>In order to conduct Energy Audit and also for proper accounting of Energy, it is necessary to install meters at pre-determined levels including at DTR. At present, meters are available at the voltage levels of 230 KV, 110KV, 22 KV and 11 KV in all the EHT sub stations. Under R-APDRP Programme, the provisions of meters in DTRs of entire Mahe and Yanam regions have been covered. As far as Puducherry and Karaikal regions are concerned, around 40% and 25% of the DTRs respectively have been covered in the R-APDRP Programme. A sample for fixing of metering for DTR is under study and work order is expected to be placed shortly.</p>
5	<p><b>Estimation of the consumption by agriculture pump-sets</b></p> <p>PED was directed to furnish the basis for arriving at the estimated consumption of agriculture consumers. PED was directed to furnish the actual connected load of agriculture consumers.</p>	<p>The Commission notes that the Petitioner has taken steps in this direction; however the Petitioner has not supported its submission with actual data on the implementation of the above directive. The Petitioner is again directed to submit the data of actual energy Consumption per HP of</p>	<p>As directed by the Hon'ble Commission, the PED has taken initiatives to provide the meters at the distribution transformers feeding power supply predominantly to the Agriculture consumers and assess the actual energy consumption per HP of agriculture consumers. The PED</p>

Sl. No.	Directives	Commissions Comments in Tariff Order 13-14	Progress Report up to third quarter of FY 13-14.
		<p>consumers fed from such representative DTRs and supports its submission with the number of DTRs that have been metered in FY 2012-13 and planned to be metered in the coming years. The progress/status report on the same is submitted to the Commission by September 2013.</p>	<p>submits that as per the directions given by the Hon'ble Commission to provide meters to an extent of 10% of the Distribution transformers exclusively feeding agriculture consumers. The department has proposed to award the task of analysis of unmetered services consumption as a part of ARR consultancy.</p>
6.	<p><b>PED Information System</b> ED Puducherry was directed to undertake steps to build credible &amp; accurate and verifiable data base and PED information system (MIS) to meet the requirements for filing ARR &amp; Tariff Petition as per the regulatory requirements of the Commission &amp; CERC (RIMS) and also to suit the Multi Year Tariff framework.</p>	<p>The Commission appreciates the efforts made by the licensee towards compliance of the Commission's directive. Quarterly progress report on the above compliance should be submitted to the Commission and the implementation of the above mentioned programs should be completed as stated by the licensee. Status report be submitted by June' 2013</p>	<p>Under the R-APDRP Scheme, Letter of Award (LoA) has already been placed to the ITIA for implementation of the Power Sector Reforms in the UT of Puducherry. This includes an MBC (Metering, Billing and Collection) System by which the revenue information will be built into a versatile database.</p>
7.	<p><b>Metering of consumer installations / replacement of non-functional or defective Meters</b> Under Section 55 (1) of Electricity Act 2003, no licensee shall supply electricity after expiry of 2 years from the appointed date except through installation of correct meter in accordance with the regulation to be made in this behalf by the authority.</p>	<p>Action taken is noted. The Commission directs that the process of completion be expedited and completed before the next ARR &amp; tariff filing. Quarterly progress report on the status of the above compliance should be submitted to the Commission.</p>	<p>Regarding replacement of non-functional and defective meters, the PED submits that the department has procured fifty thousand numbers of single phase energy meters and nine thousand numbers of three phase energy meters for this purpose. Out of 50,000 meters,</p>

Sl. No.	Directives	Commissions Comments in Tariff Order 13-14	Progress Report up to third quarter of FY 13-14.
	Accordingly, metering is required to be done in line with CEA (installation and operation of meters) Regulations 2006 to all consumers. ED, Puducherry was directed in Tariff Order FY 2009-10 to provide meters to consumers such as one hut one bulb, agriculture etc. who are not metered for supply of electricity presently. The number of consumers should be metered to record energy consumption correctly. PED had been directed to furnish the status of metering and action plan for the same before 30th June 2010.		45,500 have already been allotted to different sections for replacement of defective /struck up meters.
8.	<b>Billing and Collection Efficiency</b> ED, Puducherry was directed to initiate measures to improve billing efficiency in respect of metered services and enhance collection efficiency to hundred percent in a time bound manner.	The efforts made by the licensee are greatly appreciated. The Commission desires that the implementation of the above mentioned programs be completed as stated by the licensee. Status report be submitted to the Commission by September' 2013. The process of speedy implementation of the RAPDRP should be carried out.	Separate Metering, Billing and Collection (MBC) modules are proposed under R-APDRP to improve billing and collection efficiency. Hand held devices are proposed to be introduced for spot billing of LT consumers whereby manual intervention will be completely eliminated. For HT consumers, modems are proposed to be installed at the DTs of the consumers' premises and meter data would be acquired directly through online for billing and monitored continuously.
9.	<b>Collection of arrears</b> ED, Puducherry was directed to provide age-wise analysis before the next ARR and initiate	The submission of the Petitioner has been noted. The audited accounts as part of the above directive	The Department has initiated special drive to collect outstanding arrears both from



Sl. No.	Directives	Commissions Comments in Tariff Order 13-14	Progress Report up to third quarter of FY 13-14.
	measures to liquidate the arrears by 31st December 2010.	have been complied with. However, the liquidation plan should be submitted to the Commission at the earliest since the compliance with this directive is long due. The directive was issued as part of the tariff order for FY 2009-10 and till date has not been fully complied with. Quarterly progress reports in this regard are submitted to the Commission.	Government and private sectors. The respective Head of the Departments has been addressed to pay special attention to clear arrears.
10.	<p><b>Load Shedding and ensuring proper service to the consumers</b></p> <p>PED was directed to minimize load shedding. If there are any constraints in the system such as overloading of lines or power transformers, a detailed project report should be prepared immediately to improve the system.</p> <p>PED was directed to do system strengthening wherever required to enhance the quality of supply. PED shall establish Consumer Service Centers wherever required to attend to consumer complaints promptly on interruptions of power supply, billing etc. in order to improve service levels to consumers.</p>	Action taken is noted. It should be ensured that the call center is fully operational and call centers should be opened at different regions of the Puducherry territory before the next ARR filing.	The centralized call centre under R-APDRP would start functioning from 1 <sup>st</sup> quarter of 2014-15.
11.	<p><b>Demand Side PED and Energy Conservation</b></p> <p>Demand Side PED and Energy Conservation are very important areas, which should be in focus in ED Puducherry particularly in context of Peak load. PED was directed to examine the feasibility</p>	Steps taken by the Petitioner are noted. Status report should be submitted to the Commission by June 2013. Action should be undertaken to engage an external accredited agency	The PED has taken all effort to use star rated air-conditioner, and energy efficient light fittings in all the Government buildings and energy efficient Tube lights fittings for

Sl. No.	Directives	Commissions Comments in Tariff Order 13-14	Progress Report up to third quarter of FY 13-14.
	of introducing ToD tariff to the consumers and undertake other measures to reallocate and rationalize demand and conserve energy.	for conducting a detailed study on demand side PED and energy conservation and report submitted to the Commission along with the next ARR filing.	the street lights. The PED is also taking necessary action to engage an external accredited agency for conducting a detailed study on demand side management and energy conservation The PED is planning to implement DSM Programme in association with M/s Energy Efficient Services Limited-EESL (A Govt. of India Undertaking).The petition for approval of the scheme would be filed before JERC within 30 days.
12.	<b>Pilferage of Energy</b> The Commission in its last tariff order had said that illegal connections need to be revoked, check on meter tampering is required and steps to reduce AT&C losses need to be under taken. An action plan in this regard had to be furnished	Submission is noted. Quarterly progress reports on the status of the functioning of the enforcement cell should be submitted to the Commission. The concerned officials should see that the inspection of services is carried out regularly and status reports submitted to the Commission in a timely manner. Theft of energy should be identified and action taken against the culprits. Action taken report should also be submitted to the Commission, on the identified misuse of the supply of electricity. The concerned official should	Quarterly progress report would be furnished.

Sl. No.	Directives	Commissions Comments in Tariff Order 13-14	Progress Report up to third quarter of FY 13-14.
		submit a quarterly report before the commission.	
13.	<p><b>Employee Cost/Manpower Study</b></p> <p>PED was directed to analyze its employee strength and their relative deployment, and rationalize their requirement to reduce its manpower and related costs.</p> <p>A report on the same had to be submitted to the Commission before November 2010.</p>	<p>The submission of the Petitioner is noted. The restructuring plan as stated by the Petitioner should be submitted to the Commission. The status on the approval of the Central Government is submitted to the Commission.</p>	<p>At present the approval for the proposal is under scrutiny of Union Finance Ministry. The Ministry of Power has cleared the proposal.</p>

**12.2 New Directives in the Tariff Order 2012-13**

Sl.No	Description of Directives	Status
1.	<p><b>Load Forecasting study:</b>                      The Petitioner is directed to conduct a detailed load forecasting study for short term (2-5 years), medium term (7-10 years) and long term (15-25 years) in order to understand the load requirements in their area at various periods and submit to the Commission along with the next tariff petition.</p>	<p>Committed to comply as programmed. Short term load forecast will be submitted along with the business plan on approval of the short term forecast, a medium and long term forecast would be prepared.</p>
2.	<p><b>Interest on Security Deposit</b>                      U/S 47(4) of the Electricity Act 2003, the distribution licensee shall pay interest on security deposit collected from the consumers, equivalent to the bank rate or more as may be specified by the Commission. The Commission’s regulations provide for the basis of calculation of security deposit to be collected from the different categories of consumers, which ranges from 2 months to 3 months of average past consumption. ED Puducherry is directed to intimate the Commission the amount of security deposit collected from the consumers as on 31.3.2012 by 30th September 2012. In this regard, the PED is directed to segregate the amount of the security deposits, meter security deposits and consumer contribution for service lines from the consumers under separate heads of accounts as a first step if currently being accounted under one account head. The Petitioner is directed to pay interest on consumer security deposit at the applicable bank rate (presently at 9.5% per annum).</p>	<p>For HT Consumers the payment of interest will be made during the current year for the period 12-13. For LT consumers, data abstraction is being made regarding the Security Deposits and they would be paid interest due for FY 12-13.</p>
3.	<p><b>Bill Payment:</b>                      The facility of online payments should be introduced. The Petitioner is directed to introduce multiple payment gateways/agencies for online collection and action plan for the implementation of the above program be submitted within three months. In addition, the payment hours should be extended/alternative options</p>	<p>Various modes of Collections are proposed to be introduced under R-APDRP such as                      (a) Internet payment gateway of various banks;                      (b) 24x7 bill collection counter at the customer care Centre for any consumer to pay the dues at any time;                      (c) Normal bill collection counter at the</p>

Sl.No	Description of Directives	Status
	explored so that the consumers can make the payment outside the working hours. The bill delivery mechanism should be tuned to provide 15 days time to the consumer to make the payment as per the regulations of the Commission.	section offices for any consumer to pay the dues and; (d) Common bill collection counter proposed to be located at select locations in Puducherry / Karaikal region. For LT consumer's arrangements are in place for online payment through SBI and UCO Banks.
4.	<b>Rural Electrification:</b> The Petitioner is directed to submit the status of rural electrification in their area along with the detailed plan for rural electrification with the timeline proposed to achieve the complete electrification of rural area. The same should be furnished by 31st October 2012.	Complied
5.	<b>Capital expenditure:</b> The Commission directs the utility to furnish the capital expenditure plan of the utility prior to filing the petition for the respective year. The capex for FY 2013-14 as part of the petition for the respective year would not be considered without the prior approval of the Commission. The capex plan should clearly highlight the cost benefit analysis of each of the schemes envisaged for the year. Benefits accruing to the consumers out of the schemes should be clearly brought out. The Commission also directs the utility to furnish a certificate to the Commission showing how the capital expenditure of the previous years has benefited the consumers.	Committed to comply from the FY 14-15 and the details would be submitted in business plan.
6.	<b>Gross Fixed Assets</b> The Petitioner is directed to provide the break-up of the Gross Fixed Assets which are being put to active use by the utility. A detailed break-up of the GFA should be provided to the Commission along with the next year's petition.	Complied
7.	<b>Enforcement Cell:</b> The Petitioner is directed to submit the status of the functioning of enforcement cell and quarterly progress report detailing number of	Quarterly progress report is being furnished by the department.

Sl.No	Description of Directives	Status
	cases, amount involved, sub-judice cases and reduction in losses consequently.	
8.	<p><b>Voltage wise Categorization:</b></p> <p>There should be two major categorizations LT and HT based on voltage of supply. Within each voltage class, sub-categorization should be according to use by different consumer categories. This should be proposed in next ARR i.e. voltage wise, consumer wise and category wise.</p>	Complied.
9.	<p><b>Data on the consumption and load profile of Advertisement Hoardings, Sign boards, Signages etc.</b></p> <p>The Petitioner is directed to separately capture the data regarding consumption and the load profile of the users of advertisement hoardings, signboards, signages etc. and propose tariff for this category separately in the next tariff filing, so that differential tariff for this category could be set as they draw power during the peak hours.</p>	Complied
10.	<p><b>Supply of energy to agriculture consumers</b></p> <p>The Petitioner has mentioned in the petition that no connection is given without a meter. It is, however, seen that the meters have not been used either for working out consumption or for billing. It is not understood what purpose such meters serve when the same are not used. It may be mentioned that the cost of meters is borne by consumers directly or indirectly. So while the consumers have been burdened with the cost, no benefit is being derived from such assets.</p> <p>Although the Petitioner has not offered any explanation in this regard, one of the possibilities could be that the meters may not be in proper working condition. Also, there could be the issue of reading such meters periodically, say once in 3-4 months, which are located in remote rural areas.</p> <p>While the Commission is of the view that it is the responsibility of the licensee to ensure</p>	<p>As directed by the Hon'ble Commission, the PED has taken initiatives to provide the meters at the distribution transformers feeding power supply predominantly to the Agriculture consumers and assess the actual energy consumption per HP of agriculture consumers. The PED submits that as per the directions given by the Hon'ble Commission to provide meters to an extent of 10% of the Distribution transformers exclusively feeding agriculture consumers.</p> <p>The department has proposed to award the task of analysis of unmetered services consumption as a part of ARR consultancy.</p>

Sl.No	Description of Directives	Status
	<p>proper up keep of meters as well as periodic meter reading, the Commission recognizes that it is not as easy as it appears to be. In some other states, a very large number of agriculture consumers were provided with individual meters but the same had to be removed in a short time due to the fact that either the meters became unfunctional or were tampered thus not allowing to record actual consumption. Keeping the ground realities in view, the Commission directs the Petitioner to come up with a viable scheme, keeping the provisions of the Electricity Act as well as their practical difficulties in view, to suggest billing of such consumers on the basis of actual consumption and not on the basis of present practice of billing on assessed consumption. One option could be to provide meters on distribution transformers coupled with the consumer indexing. Thus the actual consumption recorded by the DTR meters and apportioning the total consumption in the ratio of load (in terms of horse-power) of individual consumers could be the basis for billing. This would alleviate the need to maintain and read large number of individual meters at consumer premises and would also satisfy the legal requirement of supply through a correct meter as provided in the Electricity Act 2003.</p> <p>The Commission directs the Petitioner to prepare a proper scheme and submit to the Commission by 30th September 2012.</p>	
11.	<p><b>Assessment of the open access consumers</b> The Petitioner is directed to provide an assessment of the number of open access consumers greater than 1 MW to the Commission by 30th September 2012. The Petitioner to provide the detailed scheme to operationalize open access scheme including setting up of the STU and SLDC (nodal agency) by the power department of the appropriate Government.</p>	The facility for short term and long term open access is available at PED and the commission has also fixed the applicable charges for the same in the tariff order 13-14.
12.	<p><b>Connected Load/Contract Demand based fixed charges for LT Industrial and Commercial categories.</b></p>	On full implementation of R-APDRP programme the fixed charges based on the connected load would be implemented for

Sl.No	Description of Directives	Status
	The Petitioner should furnish the connected load/contract demand data for the LT Industrial and Commercial categories and propose tariff based on connected load/contract demand to the Commission in the next tariff proposal. The Fixed Charges for the LT industrial and Commercial (greater than 20 kW) should be based on connected load/contract demand.	both LT /Commercial and Industrial consumers.
13.	<b>True-up Petition for the respective years</b> The Petitioner is directed to file 'true-up' for FY 2009-10, FY 2010-11 and FY 2011-12 and 'Review' for FY 2012-13 alongwith the petition for ARR and tariff determination for FY 2013-14.	Complied with the tariff petition for FY 13-14.
14.	<b>Short-term procurement of power by the licensee</b> As per the Ministry of Power Resolution dated 15th May 2012, the licensee is directed to comply with the guidelines for short term procurement of power by distribution licensees through tariff based bidding process.	Complied

### 12.3 New Directives in the Tariff Order 2013-14

Sl. No	DIRECTIVES	REPLY BY THE DEPARTMENT
1.	The Commission desires the Petitioner to make an assessment of the agriculture category in the licensee area and make a proposal for the inclusion of energy charges for the agriculture category, both for the small farmers and the 'other farmers'. Differential tariff should be proposed for this category based on the size of the agriculture land holdings.	The land holding patterns of the agricultural service Category are being studied. The proposal for differential tariff for the above category would be made in tariff petition for FY2015-16.The proposal for inclusion of energy charges for agricultural category would be made in the tariff petition for FY 2015-16.



**CHAPTER 13. ANNEXURES**

**Annexure I: Regulatory Formats**

Table 13-1: F1 Energy Sales for FY 2012-13

Sr. No.	Category of Consumer	No. of Consumers at the end of the year (Nos.)	Connected Load at the end of the Year (KW/kVA)	Energy Sale/ Demand (MUs)
1	2	3	4	5
1(a)	Domestic & Cottage	-	-	-
	0 - 100	100,718	-	135.23
	101 - 200	56,815	-	93.23
	201 - 300	46,485	-	112.00
	>300	54,233	-	240.65
1(b)	OHOB	35,490	-	10.00
	<b>Total</b>	<b>293,742</b>	-	<b>591.11</b>
2	Commercial	-	-	-
	0 - 100	6,957	-	10.90
	101 - 250	6,522	-	16.80
	> 250	30,001	-	154.60
	<b>Total</b>	<b>43,479</b>	-	<b>182.30</b>
3	Agriculture	-	-	-
	Small farmers	958	5,439	10.30
	Other farmers	5,901	54,303	46.50
	<b>Total</b>	<b>6,859</b>	<b>59,742</b>	<b>56.80</b>
4	Public lighting	-	-	-
	<b>Total</b>	<b>48,485</b>	-	<b>27.90</b>
5(a)	LT Industrial	-	-	-
	0 - 1000	3,574	-	84.09
	> 1000	2,483	-	58.44
5(b)	Water tank	85	-	54.71
	<b>Total</b>	<b>6,142</b>	-	<b>197.24</b>
5©	Temporary supply - LT&HT	-	-	-
	<b>Total</b>	-	-	<b>20.27</b>
<b>A</b>	<b>Total LT</b>	<b>398,707</b>	-	<b>1,075.62</b>
6	HT 1 Industrial	-	-	-
6(a)	(A) - CD < 2000	-	-	-
	0 - 100000	220	68,350	70.74
7	>100000	105	79,145	326.68
6(b)	(B) - 2000 < CD < 5000	-	-	-
	>0	36	127,501	560.50
6(c)	(C) CD > 5000	-	-	-
	>0	58	17,950	57.46
	<b>Total</b>	<b>419</b>	<b>292,946</b>	<b>1,015.38</b>
7	HT 2 - Government & water tank	-	-	-
	<b>Total</b>	<b>45</b>	<b>16,200</b>	<b>45.48</b>
9	HT 3 - EHT	-	-	-
	<b>Total</b>	<b>7</b>	<b>86,200</b>	<b>338.50</b>
<b>B</b>	<b>Total HT</b>	<b>471</b>	<b>395,346</b>	<b>1,399.36</b>
<b>10</b>	<b>Total</b>	<b>399,178</b>	-	<b>2,474.98</b>

Table 13-2: F1 Energy Sales for FY 2013-14

Sr. No.	Category of Consumer	No. of Consumers at the end of the year (Nos.)	Connected Load at the end of the Year (KW/kVA)	Energy Sale/ Demand (MUs)
1	2	3	4	5
1(a)	<b>Domestic &amp; Cottage</b>	-	-	-
	0 - 100	103,076	-	211.54
	101 - 200	58,146	-	132.97
	201 - 300	47,574	-	78.57
	>300	55,503	-	181.32
1(b)	<b>OHOB</b>	35,474	-	9.60
	<b>Total</b>	299,772	-	614.00
2	<b>Commercial</b>	-	-	-
	0 - 100	7,118	-	28.80
	101 - 250	6,673	-	21.60
	> 250	30,695	-	129.60
	<b>Total</b>	44,485	-	180.00
3	<b>Agriculture</b>	-	-	-
	Small farmers	958	5,439	8.00
	Other farmers	5,884	54,099	49.00
	<b>Total</b>	6,842	59,538	57.00
4	<b>Public lighting</b>	-	-	-
	<b>Total</b>	49,326	-	28.00
5(a)	<b>LT Industrial</b>	-	-	-
	0 - 1000	3,623	-	115.64
	> 1000	2,518	-	80.36
5(b)	<b>Water tank</b>	80	-	51.00
	<b>Total</b>	6,221	-	247.00
5©	<b>Temporary supply - LT&amp;HT</b>	-	-	-
	<b>Total</b>	-	-	20.00
<b>A</b>	<b>Total LT</b>	406,646	-	1,146.00
6	<b>HT 1 Industrial</b>	-	-	-
6(a)	<b>(A) - CD &lt; 2000</b>	-	-	-
	0 - 100000	222	59,204	180.00
7	>100000	94	64,163	155.00
6(b)	<b>(B) - 2000 &lt; CD &lt; 5000</b>	-	-	-
	>0	41	107,313	568.00
6(c)	<b>(C) CD &gt; 5000</b>	-	-	-
	>0	54	14,950	45.00
	<b>Total</b>	411	230,680	948.00
7	<b>HT 2 - Government &amp; water tank</b>	-	-	-
	<b>Total</b>	49	14,265	47.00
9	<b>HT 3 - EHT</b>	-	-	-
	<b>Total</b>	9	80,495	309.00
<b>B</b>	<b>Total HT</b>	469	325,440	1,304.00
<b>10</b>	<b>Total</b>	<b>407115</b>		<b>2,450.00</b>

Table 13-3: F1 Energy Sales Projections for FY 2014-15

Sr. No.	Category of Consumer	No. of Consumers at the end of the year (Nos.)	Connected Load at the end of the Year (KW/kVA)	Energy Sale/ Demand (MUs)
1	2	3	4	5
1(a)	<b>Domestic &amp; Cottage</b>			
	0 - 100	104,715	-	215
	101 - 200	59,070	-	135
	201 - 300	48,330	-	80
	>300	56,385	-	184
1(b)	<b>OHOB</b>	35,500	-	10
	<b>Total</b>	<b>304,000</b>	-	<b>625</b>
2	<b>Commercial</b>	-	-	-
	0 - 100	7,280	-	30
	101 - 250	6,825	-	23
	> 250	31,395	-	137
	<b>Total</b>	<b>45,500</b>	-	<b>190</b>
3	<b>Agriculture</b>	-	-	-
	Small farmers	958	5,439	8
	Other farmers	5,930	54,099	49
	<b>Total</b>	<b>6,888</b>	<b>59,538</b>	<b>57</b>
4	<b>Public lighting</b>	-	-	-
	<b>Total</b>	<b>49,500</b>	-	<b>28</b>
5(a)	<b>LT Industrial</b>	-	-	-
	0 - 1000	3,696	-	118
	> 1000	2,569	-	82
5(b)	<b>Water tank</b>	85	-	51
	<b>Total</b>	<b>6,350</b>	-	<b>251</b>
5©	<b>Temporary supply - LT&amp;HT</b>	-	-	-
	<b>Total</b>	-	-	20
<b>A</b>	<b>Total LT</b>	<b>412,238</b>	-	<b>1,171</b>
6	<b>HT 1 Industrial</b>	-	-	-
6(a)	<b>(A) - CD &lt; 2000</b>	-	-	-
	0 - 100000	222	59,204	190
7	>100000	94	64,163	160
6(b)	<b>(B) - 2000 &lt; CD &lt; 5000</b>	-	-	-
	>0	41	107,313	583
6(c)	<b>(C) CD &gt; 5000</b>	-	-	-
	>0	54	14,950	47
	<b>Total</b>	<b>411</b>	<b>230,680</b>	<b>980</b>
7	<b>HT 2 - Government &amp; water tank</b>	-	-	-
	<b>Total</b>	49	14,265	50
9	<b>HT 3 - EHT</b>	-	-	-
	<b>Total</b>	9	80,495	324
<b>B</b>	<b>Total HT</b>	<b>469</b>	<b>325,440</b>	<b>1,354</b>
<b>10</b>	<b>Total</b>	<b>412707</b>		<b>2,525</b>

Table 13-4: F2 Energy Loss Statement

Particulars	Calculation	Unit	Previous Year (Provisional)	Current Year (Rev.Est)	Ensuing Year (Projections)
			FY 2012-13	FY 2013-14	FY 2014-15
Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of DISCOM*	A	MU	216	230	237
Input energy (metered Import) received at interface points of DISCOM network.	B	MU	2,978	2,679	2,648
Input energy (metered Export) by the DISCOM at interface points of DISCOM network.	C	MU	(347)	(93)	-
<b>Total energy available for sale within the licensed area to the consumers of the DISCOM</b>	<b>D=A+B-C</b>	<b>MU</b>	<b>2,848</b>	<b>2,816</b>	<b>2,885</b>
Energy billed to metered consumers within the licensed area of the DISCOM	E	MU	2,408	2,383	2,458
Energy billed to un-metered consumers within the licensed area of the DISCOM**	F	MU	67	67	67
<b>Total energy billed</b>	<b>G=E+F</b>	<b>MU</b>	<b>2,475</b>	<b>2,450</b>	<b>2,525</b>
Amount billed to consumer within the licensed area of DISCOM (ind FPPCA)	H	Rs.Crs	853	1,089	1,081
Amount realized by the DISCOM out of the amount Billed at H	I	Rs.Crs	810	1,035	1,027
<b>Collection efficiency (%) (= Revenue realized/ Amount billed)</b>	<b>J=(I/H)x100</b>	<b>%</b>	<b>95%</b>	<b>95%</b>	<b>95%</b>
<b>Energy realized by the DISCOM</b>	<b>K=JxG</b>	<b>MU</b>	<b>2,350</b>	<b>2,328</b>	<b>2,398</b>
<b>Distribution loss (%)</b>	<b>L=((D-G)/D)x100</b>	<b>%</b>	<b>13.09%</b>	<b>13.00%</b>	<b>12.50%</b>
<b>AT&amp;C Loss (%)</b>	<b>M=((D-K)/D)x100</b>	<b>%</b>	<b>17.47%</b>	<b>17.35%</b>	<b>16.88%</b>

Table 13-5: F3 Energy Balance Statement

Sr. No.	Item	April-March (Prov. Actual)	April-March (RE)	April-March (Projections)
		FY 2012-13	FY 2013-14	FY 2014-15
1	2	3	4	5
	<b>Energy Requirement</b>			
	Metered Sales	2,408	2,383	2,458
	Unmetered Sales	67	67	67
	<b>Total Sales within the UT</b>	<b>2,475</b>	<b>2,450</b>	<b>2,525</b>
	Sales- UI/ Export to Exchange	(347)	(93)	-
	Total Sales	2,822	2,543	2,525
	Loss(%)	0	0	0
	Loss (MU)	373	366	361
	<b>Total Energy Requirement</b>	<b>3,195</b>	<b>2,909</b>	<b>2,885</b>
2	<b><u>Total Power Scheduled/ Purchased at Puducherry Periphery</u></b>			
	Total Schedule Billed Drawal - CGS	2,648	2,445	2,434
	Add: Overdrawal	10	12	-
	Add: Power purchase from sources	443	333	325
	Less: Power diverted to Exchange	-	-	-
	<b>Total</b>	<b>3,101</b>	<b>2,790</b>	<b>2,759</b>
4	<b><u>Total Power Purchased within Puducherry</u></b>			
	PPCL	216	230	237
	<b>Total</b>	<b>3,318</b>	<b>3,020</b>	<b>2,996</b>
	Transmission Losses	123	111	110
5	<b>Energy Availability at Periphery</b>	<b>3,195</b>	<b>2,909</b>	<b>2,885</b>

Table 13-6: F 4 Power Purchase Statement for FY 2012-13

Sr. No.	Source	Purchase (MU)	External losses (%)	Energy recd. by Licensee (MU)	VC (Ps/ Unit)	FC (Rs. Crore)	VC (Rs.Crore)	Others (Rs.Crore)	Supplementary (Rs. Crore)	Total (Rs.Crore)
1	2	10	11	12	13	14	15	16	17	18
<b>A</b>	<b>Central Sector Power Stations</b>									
<b>I</b>	<b>NTPC</b>	<b>1,579.11</b>	4%	1,516.42		<b>123.35</b>	<b>268.43</b>	<b>5.94</b>	-	<b>397.73</b>
	RSTPS Stage I & II	782.87	4%	751.79	172.10	44.86	134.73	2.70		182.28
	RSTPS Stage -III	165.51	4%	158.94	212.76	16.64	35.21	0.53		52.38
	Talcher Stage- II	514.60	4%	494.17	146.23	41.55	75.25	2.35		119.14
	Simhadri Stage- II	116.14	4%	111.53	200.11	20.31	23.24	0.37		43.92
			4%	-						-
			4%	-	-					-
<b>II</b>	<b>NLC</b>	<b>820.89</b>	4%	788.30	194.09	<b>59.66</b>	<b>159.33</b>	<b>1.16</b>		<b>220.15</b>
	NLC TPS II Stage I	504.17	4%	484.15	196.62	31.51	99.13	0.83		131.47
	NLC TPS II Stage II	195.03	4%	187.29	196.54	12.28	38.33	0.13		50.74
	NLC TPS I (Expn)	121.69	4%	116.86	179.70	15.87	21.87	0.21		37.94
			4%	-	-					-
<b>III</b>	<b>NPCIL</b>	<b>248.49</b>	4%	238.62	281.14	-	<b>69.86</b>	<b>1.03</b>		<b>70.89</b>
	MAPS	43.87	4%	42.13	200.94	-	8.82	0.25		9.06
	KAPS Stage I	204.62	4%	196.50	298.33	-	61.05	0.78		61.83
			0%	-	-					-
<b>IV</b>	<b>Others</b>	<b>443.21</b>	0%	425.48	329.54	<b>2.60</b>	<b>146.06</b>	<b>5.26</b>		<b>153.92</b>
	Others		0%	-	-					-
	TNEB (Pondy)	79.58	4%	76.40	316.40	-	25.18	0.35		25.53
	TNEB (Karaikal)	328.37	4%	315.24	318.57	-	104.61	1.21		105.82
	KSEB	35.26	4%	33.85		2.60	16.27	3.70		22.57
			0%	-	-					-
<b>V</b>	<b>OVER/ UNDER DRAWAL</b>	<b>9.51</b>	0%	9.51	359.05		3.41	-		<b>3.41</b>
<b>B</b>	<b>Within State Generations</b>									
<b>I</b>	<b>PPCL</b>	<b>216.49</b>		216.49		<b>22.76</b>	<b>54.71</b>	<b>(0.48)</b>	-	<b>76.99</b>
<b>C</b>	<b>OTHER CHARGES</b>	-		-	-	-	-	<b>52.17</b>	-	<b>52.17</b>
	<i>PGCIL Transmission Charges, Wheeling &amp; Other Charges</i>							50.60		50.60
	<i>POSO</i>							0.91		0.91
	<i>PCKL</i>							0.66		0.66
										-
<b>D</b>	<i>Rebate</i>							(5.57)		(5.57)
<b>E</b>	<b>RPO</b>							19.06		19.06
<b>E</b>	<b>Total</b>	<b>3,317.70</b>		<b>3,194.82</b>	<b>211.53</b>	<b>208.37</b>	<b>701.80</b>	<b>59.52</b>	-	<b>988.74</b>

Table 13-7: F 4 Power Purchase Actual for H1 FY 2013-14

Sr. No.	Source	Purchase (MU)	External losses (%)	Energy recd. by Licensee (MU)	VC (Ps/ Unit)	FC (Rs. Crore)	VC (Rs.Crore)	Others (Rs.Crore)	Supplementary (Rs. Crore)	Total (Rs.Crore)
1	2	10	11	12	13	14	15	16	17	18
<b>A</b>	<b>Central Sector Power Stations</b>									
<b>I</b>	<b>NTPC</b>	<b>711.14</b>	4%	<b>682.69</b>		<b>58.72</b>	<b>135.68</b>	<b>1.28</b>	-	<b>195.69</b>
	RSTPS Stage I & II	343.72	4%	329.97	204.03	20.69	70.13	0.11		90.93
	RSTPS Stage -III	89.65	4%	86.06	223.17	8.93	20.01	0.03		28.97
	Talcher Stage- II	224.05	4%	215.09	153.43	19.38	34.38	1.11		54.87
	Simhadri Stage- II	53.71	4%	51.56	207.90	9.72	11.17	0.02		20.91
				-						-
				-						-
<b>II</b>	<b>NLC</b>	<b>427.40</b>	4%	<b>410.30</b>	213.61	<b>31.76</b>	<b>91.30</b>	<b>6.37</b>		129.43
	NLC TPS II Stage I	271.94	4%	261.07	216.01	17.42	58.74	4.20		80.37
	NLC TPS II Stage II	89.99	4%	86.39	215.76	6.19	19.42	1.40		27.01
	NLC TPS I (Expn)	65.46	4%	62.84	200.66	8.15	13.14	0.77		22.06
										-
<b>III</b>	<b>NPCIL</b>	<b>144.38</b>	4%	<b>138.60</b>	291.05	-	<b>42.02</b>	<b>1.41</b>		43.43
	MAPS	11.04	4%	10.59	202.59	-	2.24	0.07		2.31
	KAPS Stage I	133.34	4%	128.01	298.37	-	39.79	1.33		41.12
				-						-
<b>IV</b>	<b>Others</b>	<b>175.20</b>	4%	<b>168.19</b>	367.18	<b>6.90</b>	<b>64.33</b>	<b>1.23</b>		72.46
	Others			-						-
	TNEB (Pondy)	14.64	4%	14.06	347.00	-	5.08	0.26		5.34
	TNEB (Karaikal)	137.42	4%	131.92	347.00	-	47.68	0.00		47.69
	Vallur Thermal Project	2.95	4%	2.83	916.72	5.52	2.70	0.01		8.23
	KSEB	20.19	4%	19.38	438.95	1.38	8.86	0.96		11.21
										-
<b>V</b>	<b>OVER/ UNDER DRAWAL</b>	<b>11.77</b>	4%	<b>11.30</b>	217.29	-	<b>2.56</b>	-		<b>2.56</b>
				-						-
<b>B</b>	<b>Within State Generations</b>			-						<b>45.16</b>
<b>I</b>	<b>PPCL</b>	<b>123.07</b>	4%	118.15	277.94	<b>12.01</b>	<b>34.21</b>	<b>(1.06)</b>		45.16
										-
<b>C</b>	<b>OTHER CHARGES</b>							<b>25.49</b>		<b>25.49</b>
	<i>PGCIL Transmission Charges, Wheeling &amp; Other Charges</i>				-		-	24.59		
	<i>POSOCO</i>				-		-	0.48		
	<i>PCKL</i>				-		-	0.43		
<b>E</b>	<b>Total</b>	<b>1,592.96</b>		<b>1,529.24</b>	<b>232.33</b>	<b>109.40</b>	<b>370.09</b>	<b>34.72</b>	-	<b>514.22</b>



Table 13-8: F 4 Power Purchase Statement for FY 2013-14 Revised Estimates

Sr. No.	Source	Purchase (MU)	External losses (%)	Energy recd. by Licensee (MU)	VC (Ps/ Unit)	FC (Rs. Crore)	VC (Rs.Crore)	Others (Rs.Crore)	Supplementary (Rs. Crore)	Total (Rs.Crore)
1	2	10	11	12	13	14	15	16	17	18
<b>A</b>	<b>Central Sector Power Stations</b>									
<b>I</b>	<b>NTPC</b>	<b>1,332.62</b>	4%	<b>1,279.32</b>		<b>108.84</b>	<b>251.36</b>	<b>2.56</b>	-	<b>362.76</b>
	RSTPS Stage I & II	687.44	4%	659.94	204.03	47.49	140.26	0.22	-	187.97
	RSTPS Stage -III	89.65	4%	86.06	223.17	18.20	20.01	0.07	-	38.27
	Talcher Stage- II	448.10	4%	430.18	153.43	22.62	68.75	2.23	-	93.60
	Simhadri Stage- II	107.43	4%	103.13	207.90	20.53	22.33	0.05	-	42.91
		-	0%	-	-	-	-	-	-	-
		-	0%	-	-	-	-	-	-	-
<b>II</b>	<b>NLC</b>	<b>808.10</b>	4%	<b>775.78</b>	<b>213.47</b>	<b>60.13</b>	<b>172.51</b>	<b>10.14</b>	-	<b>242.78</b>
	NLC TPS II Stage I	497.19	4%	477.30	216.01	32.02	107.40	6.60	-	146.02
	NLC TPS II Stage II	179.99	4%	172.79	215.76	12.32	38.84	2.00	-	53.16
	NLC TPS I (Expn)	130.92	4%	125.68	200.66	15.79	26.27	1.54	-	43.60
		-	0%	-	-	-	-	-	-	-
<b>III</b>	<b>NPCIL</b>	<b>304.35</b>	4%	<b>292.18</b>	<b>291.43</b>	-	<b>88.70</b>	<b>2.81</b>	-	<b>91.51</b>
	MAPS	22.07	4%	21.19	202.59	-	4.47	0.14	-	4.61
	KAPS Stage I	266.68	4%	256.02	298.37	-	79.57	2.67	-	82.24
	Kudankulam	15.60	4%	14.98	298.37	-	4.65	-	-	4.65
		-	0%	-	-	-	-	-	-	-
<b>IV</b>	<b>Others</b>	<b>332.81</b>	0%	<b>319.50</b>	<b>363.20</b>	<b>3.85</b>	<b>120.88</b>	<b>2.23</b>	-	<b>126.96</b>
	Others	-	0%	-	-	-	-	-	-	-
	TNEB (Pondy)	14.64	4%	14.06	347.00	-	5.08	0.28	-	5.36
	TNEB (Karaikal)	274.84	4%	263.84	347.00	-	95.37	0.00	-	95.37
	Vallur Thermal Project	2.95	4%	2.83	916.72	3.85	2.70	0.02	-	6.57
	KSEB	40.38	4%	38.77	438.95	-	17.73	1.93	-	19.65
		-	-	-	-	-	-	-	-	-
<b>V</b>	<b>OVER/ UNDER DRAWAL</b>	<b>11.77</b>		<b>11.77</b>	<b>217.29</b>		<b>2.56</b>			<b>2.56</b>
		-		-	-		-			-
<b>B</b>	<b>Within State Generations</b>									
	PPCL	230.07		230.07	277.94	22.26	63.95	(2.12)		84.09
		-		-	-		-			-
<b>C</b>	<b>OTHER CHARGES</b>									
	PGCIL Transmission Charges, Wheeling & Other Charges	-		-	-		-	53.46		53.46
	POSOCCO							0.95		0.95
	PCKL							0.86		0.86
										-
<b>D</b>	<b>RPO Compliance Cost</b>							18.87		18.87
		-		-	-		-			-
<b>G</b>	<b>Total</b>	<b>3019.73</b>		<b>2908.62</b>	<b>231.79</b>	<b>195.08</b>	<b>699.94</b>	<b>70.89</b>		<b>984.77</b>

Table 13-9: F4 Power Purchase Statement Projections for FY 2014-15

Sr. No.	Source	Purchase (MU)	External losses (%)	Energy recd. by Licensee (MU)	VC (Ps/ Unit)	FC (Rs. Crore)	VC (Rs.Crore)	Others (Rs.Crore)	Supplementary (Rs. Crore)	Total (Rs.Crore)
1	2	10	11	12	13	14	15	16	17	18
<b>A</b>	<b>Central Sector Power Stations</b>									
<b>I</b>	<b>NTPC</b>	<b>1,280.26</b>	<b>4%</b>	<b>1,229.05</b>		<b>109.97</b>	<b>238.29</b>	-	-	<b>348.26</b>
	RSTPS Stage I & II	708.07	4%	679.74	204.03	47.49	144.47			191.96
	RSTPS Stage -III	-	4%	-	223.17	18.20	-			18.20
	Talcher Stage- II	461.55	4%	443.08	153.43	23.75	70.82			94.57
	Sim hadri Stage- II	110.65	4%	106.22	207.90	20.53	23.00			43.53
		-	-	-	-	-	-			-
		-	-	-	-	-	-			-
<b>II</b>	<b>NLC</b>	<b>820.39</b>	<b>4%</b>	<b>787.58</b>	<b>213.47</b>	<b>60.13</b>	<b>175.10</b>			<b>235.23</b>
	NLC TPS II Stage I	500.15	4%	480.15	216.01	32.02	108.04			140.06
	NLC TPS II Stage II	185.39	4%	177.97	215.76	12.32	40.00			52.32
	NLC TPS I (Expn)	134.85	4%	129.45	200.66	15.79	27.06			42.85
		-	-	-	-	-	-			-
<b>III</b>	<b>NPCIL</b>	<b>333.42</b>	<b>4%</b>	<b>320.08</b>	<b>291.43</b>	-	<b>97.30</b>			<b>97.30</b>
	MAPS	22.73	4%	21.82	202.59	-	4.61			4.61
	KAPS Stage I	274.68	4%	263.70	298.37	-	81.96			81.96
	Kudankulam	36.00	4%	34.56	298.37		10.74			10.74
		-	-	-	-	-	-			-
<b>IV</b>	<b>Others</b>	<b>324.68</b>		<b>311.69</b>	<b>363.20</b>	<b>3.85</b>	<b>116.49</b>	<b>0.02</b>		<b>120.36</b>
	Others	-		-	-	-	-			-
	TNEB (Pondy)		4%	-	-	-	-	0.02		0.02
	TNEB (Karaikal)	283.08	4%	271.76	347.00	-	98.23			98.23
	Vallur Thermal Project	-	4%	-	916.72	3.85	-			3.85
	KSEB	41.59	4%	39.93	438.95	-	18.26			18.26
		-	-	-	-	-	-			-
<b>V</b>	<b>OVER/ UNDER DRAWAL</b>				<b>217.29</b>					
		-		-	-	-	-			-
<b>B</b>	<b>Within State Generations</b>									
	PPCL	<b>236.98</b>		<b>236.98</b>	<b>277.94</b>	<b>23.37</b>	<b>65.86</b>			<b>89.24</b>
		-		-	-	-	-			-
<b>C</b>	<b>OTHER CHARGES</b>							<b>62.52</b>		<b>62.52</b>
	PGCIL Transmission Charges, Wheeling & Other Charges	-		-	-	-	-	60.62		60.62
	POSOCO	-		-	-	-	-	1.00		1.00
	PCKL	-		-	-	-	-	<b>0.90</b>		<b>0.90</b>
		-		-	-	-	-			-
<b>D</b>	<b>RPO Compliance Cost</b>							43.82		43.82
		-		-	-	-	-			-
<b>F</b>	<b>Total</b>	<b>2,995.72</b>		<b>2,885.37</b>	<b>231.34</b>	<b>197.32</b>	<b>693.04</b>	<b>62.52</b>	-	<b>996.73</b>

Table 13-10: F6 Capital Base and Return

**(Rs. Crore)**

Sr. No.	Particulars	Current Year (Prov.Actual)	Current Year (Rev. Est)	Ensuing Year (Projection)
		FY 2012-13	FY 2013-14	2014-15
1	2	3	4	5
1	Gross block at beginning of the year	480.49	541.27	551.27
2	Opening CWIP	94.70	67.61	84.09
3	Less accumulated depreciation	229.20	250.98	274.63
4	Less Opening Debt	11.51	29.43	27.78
4	<b>Net block at beginning of the year</b>	<b>334.48</b>	<b>328.47</b>	<b>332.95</b>
5	Less accumulated consumer contribution			
6	<b>Net fixed assets at beginning of the year</b>	<b>334.48</b>	<b>328.47</b>	<b>332.95</b>
7	<b>Reasonable return @3% of NFA</b>	<b>10.03</b>	<b>9.85</b>	<b>9.99</b>

Table 13-11: F7 Original Cost of Fixed Assets

Sr. No.	Assets group	Value of assets at the beginning of previous year *	Addition during previous year	Value of assets sold/ disposed off	Closing balance at the end of previous year	Addition during previous year	Closing balance at the end of previous year	Addition during current year	Closing balance at the end of current year	Addition during ensuing year	Closing balance at the end of ensuing year
		2011-12	2011-12	2011-12	2011-12	2012-13	2012-13	2013-14	2013-14	2014-15	2014-15
1	2	3	4	5	6	7	8	9	10	11	12
1	Land and Land rights	4.55	2.80	-	7.35	-	7.35	-	7.35	-	7.35
2	Building	13.70	-	-	13.70	-	13.70		13.70		13.70
3	Plant & Machinery	244.21	11.68	-	255.89	37.78	293.67	5.00	298.67	13.00	311.67
4	Lines and Cables Network	161.63	7.20	-	168.83	23.00	191.83	5.00	196.83	35.00	231.83
5	Vehicles	1.82	0.07	-	1.89	-	1.89		1.89		1.89
6	Furniture and Fixtures	0.11	-	-	0.11	-	0.11		0.11		0.11
7	Office Equipments	0.84	-	-	0.84	-	0.84		0.84		0.84
8	IT Equipments	1.67	0.12	-	1.79	-	1.79		1.79		1.79
9	Testing & Measuring Equipments	3.04	0.28	-	3.32	-	3.32		3.32		3.32
10	SCADA Centre	26.77	-	-	26.77	-	26.77		26.77		26.77
11	Others	-	-	-	-	-	-		-		-
20	<b>Total</b>	<b>458.34</b>	<b>22.15</b>	<b>-</b>	<b>480.49</b>	<b>60.78</b>	<b>541.27</b>	<b>10.00</b>	<b>551.27</b>	<b>48.00</b>	<b>599.27</b>

Table 13-12: F 8 Work in Progress

Sr. No.	Interest Capitalized	Previous Year Actuals FY 2012-13	Current year (Rev.Est) FY 2013-14	Ensuing year (Projection) FY 2014-15
1	2		3	4
1	Opening Balance	94.7	67.61	84.09
2	Add: New Investments	33.69	26.48	115.76
3	Total	128.3919	94.0915	199.8515
4	Less Investment Capitalized	60.78	10	48
5	Closing Balance	67.61	84.09	151.85

Table 13-13: F 10 Interest and Finance Charges for FY 2012-13

Sl. No.	Particulars (source)	Opening balance	Rate of interest *	Addition during the year	Repayment during the year	Closing balance	Amount of interest	
							Paid	Payable
1	2	3	4	5	6	7	8	9
1	SLR Bonds							
2	Non SLR Bonds							
3	LIC							
4	REC							
5	Commercial Banks							
6	Letter of Credit Charges							
7	Lease rental	11.51	8.22%	0	1.65	9.86	0.95	
8	PFC *							-
9	PFC - Loan No.18003004							-
10	PFC - Loan No.18233001 to 004							-
11	Working capital loan							
12	Others							
13	<b>Total</b>	<b>11.51</b>		-	<b>1.65</b>	<b>9.86</b>	<b>0.95</b>	-
14	Add Govt. loan							
	-State Govt.							
	-Central Govt.							
	<b>Total</b>	-		-	-	-	-	-
15	<b>Total (13+14)</b>	<b>11.51</b>		-	<b>1.65</b>	<b>9.86</b>	<b>0.95</b>	-
16	Less capitalization							
17	<b>Net interest</b>			-	<b>1.65</b>	<b>9.86</b>	<b>0.95</b>	-
18	<b>Add prior period</b>							
19	<b>Total interest</b>	-		-	<b>1.65</b>	<b>9.86</b>	<b>0.95</b>	-
20	<b>Finance charges</b>						<b>1.32</b>	
21	<b>Total Interest and Finance Charges</b>	-		-	<b>1.65</b>	<b>9.86</b>	<b>2.27</b>	-

Table 13-14: F 10 Interest and Finance Charges for FY 2013-14

Sl. No.	Particulars (source)	Opening balance	Rate of interest *	Addition during the year	Repayment during the year	Closing balance	Amount of interest	
							Paid	Payable
1	2	3	4	5	6	7	8	9
1	SLR Bonds							
2	Non SLR Bonds							
3	LIC							
4	REC	19.57	12.25%	-	-	19.57	1.74	2.40
5	Commercial Banks							
6	Letter of Credit Charges							
7	Lease rental	9.86	8.22%	-	1.65	8.21	0.81	0.81
8	PFC *							
9	PFC - Loan No.18003004							
10	PFC - Loan No.18233001 to 004							
11	Working capital loan							
12	Others							
13	<b>Total</b>	<b>29.43</b>		<b>-</b>	<b>1.65</b>	<b>27.78</b>	<b>2.55</b>	<b>3.21</b>
14	Add Govt. loan							
	-State Govt.							
	-Central Govt.							
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
15	<b>Total (13+14)</b>	<b>29.43</b>	<b>-</b>	<b>-</b>	<b>1.65</b>	<b>27.78</b>	<b>2.55</b>	<b>3.21</b>
16	Less capitalization #							
17	<b>Net interest</b>	<b>29.43</b>	<b>-</b>	<b>-</b>	<b>1.65</b>	<b>27.78</b>	<b>2.55</b>	<b>3.21</b>
18	<b>Add prior period</b>							
19	<b>Total interest</b>	<b>29.43</b>	<b>-</b>	<b>-</b>	<b>1.65</b>	<b>27.78</b>	<b>2.55</b>	<b>3.21</b>
20	<b>Finance charges</b>						<b>1.32</b>	<b>1.32</b>
21	<b>Total Interest and Finance Charges</b>	<b>29.43</b>	<b>-</b>	<b>-</b>	<b>1.65</b>	<b>27.78</b>	<b>3.87</b>	<b>4.53</b>



Table 13-15: F 10 Interest and Finance Charges for FY 2014-15

Sl. No.	Particulars (source)	Opening balance	Rate of interest *	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid	
							Paid	Payable
1	2	3	4	5	6	7	8	9
1	SLR Bonds							
2	Non SLR Bonds							
3	LIC							
4	REC	19.57	12.25%	15.00		34.57		3.32
5	Commercial Banks							
6	Letter of Credit Charges						-	
7	Lease rental	8.21	8.22%	-	1.65	6.56		0.67
8	PFC *							
9	PFC - Loan No.18003004							
10	PFC - Loan No.18233001 to 004							
11	Working capital loan							
12	Others							
13	<b>Total</b>	<b>27.78</b>		<b>15.00</b>	<b>1.65</b>	<b>41.13</b>	<b>-</b>	<b>3.99</b>
14	Add Govt. loan							
	-State Govt.							
	-Central Govt.							
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
15	<b>Total (13+14)</b>	<b>27.78</b>	<b>-</b>	<b>15.00</b>	<b>1.65</b>	<b>41.13</b>	<b>-</b>	<b>3.99</b>
16	Less capitalization #							
17	<b>Net interest</b>	<b>27.78</b>	<b>-</b>	<b>15.00</b>	<b>1.65</b>	<b>41.13</b>	<b>-</b>	<b>3.99</b>
18	<b>Add prior period</b>							
19	<b>Total interest</b>	<b>27.78</b>	<b>-</b>	<b>15.00</b>	<b>1.65</b>	<b>41.13</b>	<b>-</b>	<b>3.99</b>
20	<b>Finance charges</b>						<b>1.32</b>	<b>1.32</b>
21	<b>Total Interest and Finance Charges</b>	<b>27.78</b>	<b>-</b>	<b>15.00</b>	<b>1.65</b>	<b>41.13</b>	<b>1.32</b>	<b>5.31</b>

Table 13-16: F12 Depreciation for FY 2012-13

Sr. No.	Name of the Assets	Rate of Dep*	Previous Year (Prov.Actual)				
			2012-13				
			Assets value at the beginning of the year**	Additions during the year	Value of assets sold/ disposed off	Assets value for Depreciation Purpose	Depreciation charges
1	2	3	4	5	6	7	7
1	Land and Land rights	0.00%	7.35	-	-	7.35	-
2	Building	3.34%	13.70	-	-	13.70	0.46
3	Plant & Machinery	5.28%	255.89	37.78	-	293.67	13.68
4	Lines and Cables Network	5.28%	168.83	23.00	-	191.83	5.92
5	Vehicles	9.50%	1.89	-	-	1.89	0.09
6	Furniture and Fixtures	6.33%	0.11	-	-	0.11	0.00
7	Office Equipments	6.33%	0.84	-	-	0.84	0.04
8	IT Equipments	15.00%	1.79	-	-	1.79	0.08
9	Testing & Measuring Equipments	5.28%	3.32	-	-	3.32	0.17
10	SCADA Centre	5.28%	26.77	-	-	26.77	1.34
11	Others		-	-	-	-	-
	<b>Total</b>		<b>480.49</b>	<b>60.78</b>	<b>-</b>	<b>541.27</b>	<b>21.78</b>

Table 13-17: F12 Depreciation for FY 2013-14

Sr. No.	Name of the Assets	Rate of Dep*	Current Year (Revised Estimates)				
			2013-14				
			Assets value at the beginning of the year	Additions during the year	Value of assets sold/ disposed off	Assets value for Depreciation Purpose	Depreciation charges
1	2	3	4	5	6	7	7
1	Land and Land rights	0.00%	7.35	-	-	7.35	-
2	Building	3.34%	13.70	-	-	13.70	0.46
3	Plant & Machinery	5.28%	293.67	5.00	-	298.67	14.81
4	Lines and Cables Network	5.28%	191.83	5.00	-	196.83	6.66
5	Vehicles	9.50%	1.89	-	-	1.89	0.09
6	Furniture and Fixtures	6.33%	0.11	-	-	0.11	0.00
7	Office Equipments	6.33%	0.84	-	-	0.84	0.04
8	IT Equipments	15.00%	1.79	-	-	1.79	0.08
9	Testing & Measuring Equipments	5.28%	3.32	-	-	3.32	0.17
10	SCADA Centre	5.28%	26.77	-	-	26.77	1.34
11	Others	0.00%	-	-	-	-	-
	<b>Total</b>		<b>541.27</b>	<b>10.00</b>	<b>-</b>	<b>551.27</b>	<b>23.65</b>

Table 13-18: F12 Depreciation for FY 2014-15 Projections

Sr. No.	Name of the Assets	Rate of Dep*	Ensuing Year (Projections)				
			2014-15				
			Assets value at the beginning of the year	Additions during the year	Value of assets sold/ disposed off	Assets value for Depreciation Purpose	Depreciation charges
1	2	3	4	5	6	7	8
1	Land and Land rights	0.00%	7.35	-	-	7.35	-
2	Building	3.34%	13.70	-	-	13.70	0.46
3	Plant & Machinery	5.28%	298.67	13.00	-	311.67	15.63
4	Lines and Cables Network	5.28%	196.83	35.00	-	231.83	8.64
5	Vehicles	9.50%	1.89	-	-	1.89	0.09
6	Furniture and Fixtures	6.33%	0.11	-	-	0.11	0.00
7	Office Equipments	6.33%	0.84	-	-	0.84	0.04
8	IT Equipments	15.00%	1.79	-	-	1.79	0.08
9	Testing & Measuring Equipments	5.28%	3.32	-	-	3.32	0.17
10	SCADA Centre	5.28%	26.77	-	-	26.77	1.34
11	Others	0.00%	-	-	-	-	-
	<b>Total</b>		<b>551.27</b>	<b>48.00</b>	<b>-</b>	<b>599.27</b>	<b>26.45</b>

Table 13-19: F 13 Advance against Depreciation

S. No	Particulars	Previous Year (Actuals)	Current year (Rev Est)	Ensuing year (Projection)
		2012-13	2013-14	2014-15
1	1/10th of the Loan(s)	1.151	0.99	0.82
2	Repayment of the Loan(s) as considered for working out Interest on Loan	1.65	1.65	1.65
<b>3</b>	<b>Minimum of the Above</b>	<b>1.151</b>	<b>0.986</b>	<b>0.821</b>
4	Less: Depreciation during the year	21.78	23.65	26.45
	A	(20.63)	(22.66)	(25.63)
5	Cumulative Repayment of the Loan(s) as considered for working out Interest on Loan	14.04	15.69	17.34
6	Less: Cumulative Depreciation	250.98	274.63	301.08
	B	(236.94)	(258.94)	(283.74)
<b>7</b>	<b>Advance Against Depreciation (minimum of A or B)</b>	<b>-</b>	<b>-</b>	<b>-</b>

Table 13-20: F 14 R &amp; M Expenses

Sr. No	Particulars	Previous year (Prov. Actual)	Current year (Provisional)	Current year (Rev Est)	Current year (Rev Est)	Ensuing year (Projection)
		2012-13	2013-14 H1	2013-14 H2	2013-14	2014-15
1	2	3	3	4	5	6
1	Plant & machinery *	7.97	0.25	7.88	8.13	8.29
8	Minor R&M Works	11.79	7.50	4.52	12.08	12.27
9	<b>Total</b>	<b>19.76</b>	<b>7.75</b>	<b>12.40</b>	<b>20.15</b>	<b>20.56</b>
10	Add/Deduct share of others (To be specified)					
11	<b>Total expenses</b>					
12	Less : Capitalized	-	-	-	-	-
13	<b>Net expenses</b>	-	-	-	-	-
14	Add: prior period	-	-	-	-	-
15	<b>Total R&amp;M expenses</b>	<b>19.76</b>	<b>7.75</b>	<b>12.40</b>	<b>20.15</b>	<b>20.56</b>

Table 13-21: F 15 Total Numbers of Employees

Sr. No.	Particulars	Previous year (Prov.Actual)	Current year (Rev Est)	Ensuing year (Projection)
		2012-13	2013-14	2014-15
1	2	3	3	4
1	Number of employees as on 1st April	2361	2179	2149
2	Employees on deputation/ foreign service as on 1st April	10	54	0
3	<b>Total number of employees (1+2)</b>	<b>2371</b>	<b>2233</b>	<b>2149</b>
4	Number of employees retired/ retiring during the year	138	84	19
5	Net transfers [ In / (Out)]	0	0	0
6	Recruitment	0	0	0
7	<b>Number of employees at the end of the year (3-4+5+6)</b>	<b>2233</b>	<b>2149</b>	<b>2130</b>

Table 13-22:F16 Employees Cost

Sr.No	Particulars	Previous year (Prov.Actual)	Current year (Provisional)	Current year (Rev Est)	Current year (Rev Est)	Ensuing year (Projection)
		2012-13	2013-14 H1	2013-14 H2	2013-14	2014-15
1	2	3	4	5	6	7
1	Salary	73.46	45.46	41.48	86.93	93.33
2	Wages	0.61	0.31	0.14	0.45	0.49
3	Stipend	0.35	0.21	0.20	0.41	0.44
4	Transport Allowance	0.45	0.42	0.31	0.73	0.78
5	Overtime allowance	0.58	0.53	0.44	0.97	1.04
	<b>Total</b>	<b>75.45</b>	<b>46.93</b>	<b>42.57</b>	<b>89.50</b>	<b>96.08</b>
27	Less: Amount capitalized	18.14	10.92	8.88	19.805	19.81
28	Net amount	57.32	36.00	33.69	69.69	76.28
29	Add : prior period expenses	-	-	-	-	-
30	<b>Total Employee Expenses</b>	<b>57.32</b>	<b>36.00</b>	<b>33.69</b>	<b>69.69</b>	<b>76.28</b>

Table 13-23: F 17 A&amp;G Expenses

Sr. No.	Particulars	Previous year (Prov. Actual)	Current year (Provisional)	Current year (Rev Est)	Current year (Rev Est)	Ensuing year (Projection)
		2012-13	2013-14 H1	2013-14 H2	2013-14	2014-15
1	2	3	4	5	6	7
1	Rent, rates & taxes	0.30	0.21	0.09	0.30	0.32
2	Other Professional charges including Regulatory Expenses (License + Petition Fees)	0.91	0.60	1.21	1.81	1.94
3	Office Expenses including Legal, Professional & Special Service Charges	1.26	0.87	0.89	1.76	1.89
4	Advertisement & Publicity	0.07	0.07	0.00	0.07	0.08
5	Other A&G Charges	0.01	0.02	(0.01)	0.01	0.01
7	Other material related expenses	-	-	-	-	-
8	<b>Total</b>	<b>2.56</b>	<b>1.77</b>	<b>2.19</b>	<b>3.96</b>	<b>4.25</b>
9	Add/Deduct share of others (to be specified)	-	-	-	-	-
10	<b>Total expenses</b>	<b>2.56</b>	<b>1.77</b>	<b>2.19</b>	<b>3.96</b>	<b>4.25</b>
11	Less: Capitalized	-	-	-	-	-
12	<b>Net expenses</b>	<b>2.56</b>	<b>1.77</b>	<b>2.19</b>	<b>3.96</b>	<b>4.25</b>
13	Add: Prior period	-	-	-	-	-
14	<b>Total A&amp;G Expenses</b>	<b>2.56</b>	<b>1.77</b>	<b>2.19</b>	<b>3.96</b>	<b>4.25</b>

Table 13-24: F19 Interest on Working Capital

Sr. No.	Particulars	Previous year (Prov.Actual)	Current year (Prov. Actual)	Current year (Rev Est)	Current year (Provisional)	Ensuing year (Projection)
		2012-13	2013-14 H1	2013-14 H2	2013-14	2014-15
1	2	3	4	5	6	7
1	Power Purchase Cost - 1 Month	82.40	85.70	81.63	84.80	87.70
2	Employee Cost - 1 Month	4.78	6.00	5.61	5.81	6.36
3	Administration & General Expenses including CGRF Expenses - 1 Month	0.21	0.29	0.36	0.33	0.35
4	R&M Cost - 1 Month	1.65	1.29	2.07	1.68	1.71
5	Less: Security Deposit Opening Bal.	73.02	95.89	109.72	95.89	123.55
6	<b>Total</b>	<b>16.01</b>			<b>(3.28)</b>	<b>(27.43)</b>
7	<b>Interest Rate *</b>	14.75%			14.45%	14.75%
8	<b>Interest on working capital</b>	<b>2.36</b>			<b>(0.47)</b>	<b>(4.05)</b>

Table 13-25: F 20 Foreign Exchange Variation

Sr. No.	Particulars	Current year (Prov.Actual)	Current year (Rev Est)	Current year (Rev Est)	Ensuing year (Projection)
		2012-13 H1	2012-13 H2	2012-13	2013-14
1	2	3	4	5	6
1	Amount of liability provided	NIL	NIL	NIL	NIL
2	Amount recovered				
3	Amount adjusted				

Table 13-26: F 21 Non Tariff Income

Sr.No	Particulars	Previous Yr (Actual)	Current year (Prov.Actual)	Current year (Rev Est)	Current year (RevEst)	Ensuing year (Projection)
		2012-13	2013-14 H1	2013-14 H2	2013-14	2014-15
1	2	3	4	5	6	7
1	FromSTOA/OAcharges	066	050	-	050	050
2	U Sales/Sales to Exchanges	10623	1600		1600	
3	Meter Rent					
4	Scrap Sales					
5	Interest on FD					
6	Miscellaneous					
7	<b>Total income</b>	<b>10689</b>	<b>1650</b>	-	1650	050
8	Add prior period income	-	-	-	-	
9	<b>Total non tariff income</b>	<b>10689</b>	<b>1650</b>	-	<b>1650</b>	<b>050</b>

Table 13-27: F22 Revenue from Other Business

Sr. No.	Particulars	(Rs. Crore)		
		Previous Year (FY 2011-12)	Current year (FY 2012-13)	Ensuing year (FY 2013-14)
1	2	3	4	5
1	Total revenue from other business	NIL		
2	Income from other business to be considered for licensed business as per regulations			

Table 13-28: F 23 Lease Details

Sr. No.	Name of Lesser	Gross Assets (Rs. Crore)	Lease entered on	Lease Rentals ( Crs/pm)	Primary period ended/ ending by	Secondary period ending by
1	2	3	4	5	6	7
1	Power Grid	23.07	07-01-02	0.22	06-01-17	NA

Table 13-29: F24 WPI Information

Sr. No.	Period	WPI	Increase over previous year
1	2	3	4
1	Financial Year 2007-08	116.63	
2	Financial Year 2008-09	126.02	8.05%
3	Financial Year 2009-10	130.81	3.80%
4	Financial Year 2010-11	143.32	9.56%
5	Financial Year 2011-12	156.13	8.94%
5	Financial Year 2012-13	167.62	7.36%

Table 13-30: F25 Equity Loan Structure

Sr. No.	Period	Amount of equity (Rs. Crore) *	Amount of loan (Rs. Crore)	Ratio of equity & loan
1	2	3	4	5
1	As on March 31 of FY2013-13	531.41	9.86	98:2
2	As on March 31 of Fy 2013-14	523.49	27.78	95:5
3	As on March 31 of FY 2014-15	558.14	41.13	93:7

Table 13-31: F26 Cash Flowing Statement

Sr. No.	Month	Sources of receipt (Power Sold)	Amount	Particulars of payment (Power Purchase)	Amount
1	2	3	4	5	6
1	April	Sale of Power	90.06	All Expenses	95.86
2	May	Sale of Power	90.06	All Expenses	95.86
3	June	Sale of Power	90.06	All Expenses	95.86
4	July	Sale of Power	90.06	All Expenses	95.86
5	August	Sale of Power	90.06	All Expenses	95.86
6	September	Sale of Power	90.06	All Expenses	95.86
7	October	Sale of Power	90.06	All Expenses	95.86
8	November	Sale of Power	90.06	All Expenses	95.86
9	December	Sale of Power	90.06	All Expenses	95.86
10	January	Sale of Power	90.06	All Expenses	95.86
11	February	Sale of Power	90.06	All Expenses	95.86
12	March	Sale of Power	90.06	All Expenses	95.86
	<b>Total</b>	-	<b>1,080.67</b>	-	<b>1,150.37</b>



Table 13-32: F27 Annual Revenue Requirement

Sr. No.	Item of expense	Current year (Prov.Actual)	Current year (Rev Est)	Ensuing year (Projection)
		2012-13	2013-14 H1 + H2	2014-15
1	2	3	6	7
1	Cost of fuel	-	-	-
2	Cost of power purchase	988.74	984.77	996.73
3	Employee costs	57.32	69.69	76.28
4	R&M expenses	19.76	20.15	20.56
5	Administration and General expenses	2.56	3.96	4.25
6	Depreciation *	21.78	23.65	26.45
7	Interest on Loan & Finance charges	2.27	4.53	5.31
8	Interest on Working Capital *	2.36	-	-
9	Interest on Security Deposit *	6.94	8.39	10.81
10	Return on NFA /Equity *	10.03	9.85	9.99
11	Provision for Bad Debt	-	-	-
12	CGRF Expenses	-	-	-
<b>13</b>	<b>Total Revenue Requirement</b>	<b>1,111.76</b>	<b>1,125.00</b>	<b>1,150.37</b>
14	Less: Non Tariff Income	0.66	0.50	0.50
15	Less: Revenue from Sale of Power - UI Pool	106.23	16.00	-
16	Less: Revenue from Sale of Power-Exchanges	-	-	-
<b>17</b>	<b>Net Revenue Requirement (13-14-15-16)</b>	<b>1,004.87</b>	<b>1,108.50</b>	<b>1,149.87</b>
18	Revenue from Retail Sales at Existing Tariff including FPPCA Charges	853.00	1,049.13	1,080.67
19	Revenue from FPA Charges	-	40.00	-
<b>20</b>	<b>Net Gap (17-18-19)</b>	<b>151.87</b>	<b>19.37</b>	<b>69.20</b>
<b>21</b>	<b>Energy sales (MU)</b>	<b>2,475</b>	<b>2,450</b>	<b>2,525</b>
<b>22</b>	<b>Average Cost of Supply (Rs/kWh)</b>	<b>4.06</b>	<b>4.52</b>	<b>4.55</b>

Table 13-33: F 28 ERC FY 2012-13

Sr. No.	Category of Consumer	No of Consumers	Energy Sale / Demand (M Us)	Contracted Maximum Demand (KW /kVA)	Revenue (Rs Crore)			
					Fixed Charges	Energy Charges	FPPCA Charges	Total
1	2	3	4	5	6	7	8	9
<b>A</b>	<b>Domestic &amp; Cottage</b>							
1(a)	0 - 100	100,718	135	-	1.01	8.11	-	9.12
	101 - 200	56,815	93	-	0.57	8.79	-	9.36
	201 - 300	46,485	112	-	0.70	19.91	-	20.60
	> 300	54,233	241	-	0.81	54.87	-	55.68
	O H O B	35,490	10	-	0.82	-	-	0.82
1(b)	<b>Total</b>	<b>293,742</b>	<b>591</b>	<b>-</b>	<b>3.90</b>	<b>91.68</b>	<b>-</b>	<b>95.58</b>
1(c)	<b>Commercial</b>							
	0 - 100	6,957	11	-	0.24	2.62	-	2.87
	101 - 250	6,522	17	-	0.27	6.06	-	6.33
	> 250	30,001	155	-	1.23	64.86	-	66.08
	<b>Total</b>	<b>43,479</b>	<b>182</b>	<b>-</b>	<b>1.73</b>	<b>73.55</b>	<b>-</b>	<b>75.28</b>
	Agriculture	-	-	-	-	-	-	-
	Small farmers	958	10	5,439	0.04	-	-	0.04
3(a)	Other farmers	5,901	47	54,303	1.75	-	-	1.75
	<b>Total</b>	<b>6,859</b>	<b>57</b>	<b>59,742</b>	<b>1.79</b>	<b>-</b>	<b>-</b>	<b>1.79</b>
	Public lighting	-	-	-	-	-	-	-
3(b)	<b>Total</b>	<b>49,326</b>	<b>28</b>	<b>-</b>	<b>-</b>	<b>9.49</b>	<b>-</b>	<b>9.49</b>
	LT Industrial	-	-	-	-	-	-	-
3(a)	0 - 1000	3,574	84	-	0.12	27.53	-	27.66
4	> 1000	2,483	58	-	0.09	20.55	-	20.64
5	Water tank	85	55	-	0.00	19.87	-	19.87
6	<b>Total</b>	<b>6,142</b>	<b>197</b>	<b>-</b>	<b>0.21</b>	<b>67.95</b>	<b>-</b>	<b>68.17</b>
	Temporary supply - LT & HT	-	-	-	-	-	-	-
<b>B</b>	<b>Total</b>		20	-	-	11.84	-	11.84
7	<b>Total LT</b>	<b>399,548</b>	<b>1,076</b>	<b>-</b>	<b>7.64</b>	<b>254.51</b>	<b>-</b>	<b>262.14</b>
8(a)	HT 1 Industrial	-	-	-	-	-	-	-
8(b)	(A) - CD < 2000	-	-	-	-	-	-	-
8(c)	0 - 100000	220	71	68,350	14.32	24.18	-	38.50
9	> 100000	105	327	79,145	16.64	116.37	-	133.00
	(B) - 2000 < CD < 5000	-	-	-	-	-	-	-
	> 0	36	561	127,501	29.12	206.46	-	235.58
	(C) CD > 5000	-	-	-	-	-	-	-
10	> 0	58	57	17,950	3.96	21.85	-	25.81
11	<b>Total</b>	<b>419</b>	<b>1,015</b>	<b>292,946</b>	<b>64.04</b>	<b>368.85</b>	<b>-</b>	<b>432.89</b>
12	HT 2 - Government & water tank	-	-	-	-	-	-	-
13	<b>Total</b>	<b>45</b>	<b>45</b>	<b>16,200</b>	<b>4.18</b>	<b>15.00</b>	<b>-</b>	<b>19.18</b>
14	HT 3 - EHT	-	-	-	-	-	-	-
	<b>Total</b>	<b>7</b>	<b>339</b>	<b>86,200</b>	<b>18.25</b>	<b>120.68</b>	<b>-</b>	<b>138.93</b>
	<b>Total HT</b>	<b>471</b>	<b>1,399</b>	<b>395,346</b>	<b>86.47</b>	<b>504.53</b>	<b>-</b>	<b>591.00</b>
	<b>Total</b>	<b>400,019</b>	<b>2,475</b>	<b>-</b>	<b>94.10</b>	<b>759.04</b>	<b>-</b>	<b>853.14</b>

Table 13-34: F 30 ERC FY 2013-14

Sr. No.	Category of Consumer	No of Consumers	Energy Sale/ Demand (M Us)	Contracted Maximum Demand (KW /kVA)	Fixed Charge (Rs/kW Rs/kVA Rs/BHP Rs/Month/ Connection)	Energy Charge (Rs/kW h)	Revenue (Rs Crore)			
							Fixed Charges	Energy Charges	FPPCA Charges	Total
1	2	3	4	5	6	7	8	9	10	11
1(a)	Domestic & Cottage	-	-	-	-	-	-	-	-	-
	0 - 100	103,076	212	-	20.00	1.00	2.47	21.2	-	23.63
	101 - 200	58,146	133	-	20.00	1.50	1.40	19.9	-	21.34
	201 - 300	47,574	79	-	30.00	2.80	1.71	22.0	-	23.71
	>300	55,503	181	-	30.00	3.50	2.00	63.5	-	65.46
1(b)	O H O B	35,474	10	-	25.00	-	1.06	-	-	1.06
	<b>Total</b>	<b>299,772</b>	<b>614</b>	-	-	-	<b>8.64</b>	<b>127</b>	-	<b>135.21</b>
2	Commercial	-	-	-	-	-	-	-	-	-
	0 - 100	7,118	29	-	60.00	3.50	0.51	10.1	-	10.59
	101 - 250	6,673	22	-	60.00	4.50	0.48	9.7	-	10.20
	> 250	30,695	130	-	60.00	5.00	2.21	64.8	-	67.01
	<b>Total</b>	<b>44,485</b>	<b>180</b>	-	-	-	<b>3.20</b>	<b>85</b>	-	<b>87.80</b>
3	Agriculture	-	-	-	-	-	-	-	-	-
	Small farmers	958	8	5,439	8.00	-	0.05	-	-	0.05
	Other farmers	5,884	49	54,099	25.00	-	1.76	-	-	1.76
	<b>Total</b>	<b>6,842</b>	<b>57</b>	<b>59,538</b>	-	-	<b>1.81</b>	-	-	<b>1.81</b>
4	Public lighting	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>49,326</b>	<b>28</b>	-	<b>50.00</b>	<b>4.20</b>	<b>2.96</b>	<b>11.8</b>	-	<b>14.72</b>
5(a)	LT Industrial	-	-	-	-	-	-	-	-	-
	0 - 1000	3,623	116	-	60.00	4.30	0.26	49.7	-	49.99
	> 1000	2,518	80	-	60.00	4.50	0.18	36.2	-	36.34
5(b)	Water tank	80	51	-	60.00	4.60	0.01	23.5	-	23.47
	<b>Total</b>	<b>6,221</b>	<b>247</b>	-	-	-	<b>0.45</b>	<b>109</b>	-	<b>109.80</b>
5©	Temporary supply - LT&HT	-	-	-	-	-	-	-	-	-
	<b>Total</b>	-	20	-	-	9.00	-	18.0	-	18.00
A	<b>Total LT</b>	<b>406,646</b>	<b>1,146</b>	-	-	-	<b>17.06</b>	<b>350</b>	-	<b>367.33</b>
6	HT 1 Industrial	-	-	-	-	-	-	-	-	-
6(a)	(A) - CD < 2000	-	-	-	-	-	-	-	-	-
	0 - 100000	222	180	59,204	200.00	4.35	14.21	78.3	-	92.51
	>100000	94	155	64,163	200.00	4.50	15.40	69.8	-	85.15
6(b)	(B) - 2000 < CD < 5000	-	-	-	-	-	-	-	-	-
	>0	41	568	107,313	220.00	4.70	28.33	267.0	-	295.29
6(c)	(C) CD > 5000	-	-	-	-	-	-	-	-	-
	>0	54	45	14,950	220.00	4.70	3.95	21.2	-	25.10
	<b>Total</b>	<b>411</b>	<b>948</b>	<b>230,680</b>	-	-	<b>61.89</b>	<b>436</b>	-	<b>498.05</b>
7	HT 2 - Government & water tank	-	-	-	-	-	-	-	-	-
	<b>Total</b>	49	47	14,265	220.00	4.60	3.77	21.6	-	25.39
9	HT 3 - EHT	-	-	-	-	-	-	-	-	-
	<b>Total</b>	9	309	80,495	200.00	4.50	19.32	139.1	-	158.37
B	<b>Total HT</b>	<b>469</b>	<b>1,304</b>	<b>325,440</b>	-	-	<b>84.97</b>	<b>597</b>	-	<b>681.80</b>
10	<b>Total</b>	<b>407,115</b>	<b>2,450</b>	-	-	-	<b>102.03</b>	<b>947</b>	<b>40</b>	<b>1,089.13</b>

Table 13-35: F 31 ERC for FY 2014-15

Sr. No.	Category of Consumer	No of Consumers	Energy Sale/ Demand (M Us)	Contracted Maximum Demand (KW /kVA)	Fixed Charge (Rs/kW Rs/kVA Rs/BHP Rs/Month/ Connection)	Energy Charge (Rs/ kWh)	Revenue (Rs Crore)			Share in Total Revenue (%)	Average Revenue (Rs/kWh)
							Fixed Charges	Energy Charges	Total		
1	2	3	4	5	6	7	8	9	10	11	12
1(a)	Domestic & Cottage										
	0 - 100	104,715	215	-	20	1.00	2.51	21.51	24.03	2%	1.12
	101 - 200	59,070	135	-	20	1.50	1.42	20.29	21.70	2%	1.60
	201 - 300	48,330	80	-	30	2.80	1.74	22.38	24.11	2%	3.02
	>300	56,385	184	-	30	3.50	2.03	64.54	66.57	6%	3.61
1(b)	O HOB	35,500	10	-	25	-	1.07	-	1.07	0%	1.07
	Total	304,000	625	-	-	-	8.77	128.72	137.48	13%	2.20
2	Commercial	-	-	-	-	-	-	-	-	0%	-
	0 - 100	7,280	30	-	60	3.50	0.52	10.65	11.17	1%	3.67
	101 - 250	6,825	23	-	60	4.50	0.49	10.27	10.76	1%	4.72
	> 250	31,395	137	-	60	5.00	2.26	68.44	70.70	7%	5.17
	Total	45,500	190	-	-	-	3.28	89.35	92.62	9%	4.87
3	Agriculture	-	-	-	-	-	-	-	-	0%	-
	Small farmers	958	8	5,439	8	-	0.05	-	0.05	0%	0.07
	Other farmers	5,930	49	54,099	25	-	1.76	-	1.76	0%	0.36
	Total	6,888	57	59,538	-	-	1.81	-	1.81	0%	0.32
4	Public lighting	-	-	-	-	-	-	-	-	0%	-
	Total	49,500	28	-	50	4.20	2.97	11.93	14.90	1%	5.25
5(a)	LT Industrial	-	-	-	-	-	-	-	-	0%	-
	0 - 1000	3,696	118	-	60	4.30	0.27	50.61	50.88	5%	4.32
	> 1000	2,569	82	-	60	4.50	0.18	36.81	36.99	3%	4.52
5(b)	Water tank	85	51	-	60	4.60	0.01	23.46	23.47	2%	4.60
	Total	6,350	251	-	-	-	0.46	110.88	111.34	10%	4.44
5©	Temporary supply - LT&HT	-	-	-	-	-	-	-	-	0%	-
	Total	-	20	-	-	9.00	-	18.00	18.00	2%	9.00
A	Total LT	412,238	1,171	-	-	-	17.28	358.87	376.15	35%	3.21
6	HT 1 Industrial	-	-	-	-	-	-	-	-	0%	-
6(a)	(A) - CD < 2000	-	-	-	-	-	-	-	-	0%	-
	0 - 100000	222	190	59,204	200	4.35	14.21	82.65	96.86	9%	5.10
	>100000	94	160	64,163	200	4.50	15.40	72.00	87.40	8%	5.46
6(b)	(B) - 2000 < CD < 5000	-	-	-	-	-	-	-	-	0%	-
	>0	41	583	107,313	220	4.70	28.33	274.01	302.34	28%	5.19
6(c)	(C) CD > 5000	-	-	-	-	-	-	-	-	0%	-
	>0	54	47	14,950	220	4.70	3.95	22.09	26.04	2%	5.54
	Total	411	980	230,680	-	-	61.89	450.75	512.64	47%	5.23
7	HT 2 - Government & water	-	-	-	-	-	-	-	-	0%	-
	Total	49	50	14,265	220	4.60	3.77	23.00	26.77	2%	5.35
9	HT 3 - EHT	-	-	-	-	-	-	-	-	0%	-
	Total	9	324	80,495	200	4.50	19.32	145.80	165.12	15%	5.10
B	Total HT	469	1,354	325,440	-	-	84.97	619.55	704.52	65%	5.20
10	Total	412,707	2,525				102.25	978.42	1,080.67		4.28

