

**BEFORE THE HON'BLE GUJARAT ELECTRICITY REGULATORY
COMMISSION AT GANDHINAGAR**

Filing No. 1553/2015

Case No. _____

IN THE MATTER OF

Filing of Petition under Section 62 and 64 of the Electricity Act, 2003 read with GERC (Multi Year Tariff) Regulations, 2011 for truing up of FY 2014-15 and determination of tariff for FY 2016-17 for its Distribution business of Surat Supply Area

AND

IN THE MATTER OF

Torrent Power Limited
Torrent House, Off Ashram Road,
Ahmedabad – 380 009

.....**PETITIONER**

THE PETITIONER ABOVE NAMED RESPECTFULLY SUBMITS AS UNDER

Torrent Power Limited, hereinafter referred to as the Petitioner, files the petition for truing up of FY 2014-15 and determination of tariff for FY 2016-17 for its Distribution business of Surat Supply area which is hereinafter referred to as TPL-D (S) for the sake of brevity.

Table of contents

Chapter 1: Introduction.....	8
Company Profile.....	8
Background to Multi Year Tariff Filing.....	8
Requirement of Truing up and Annual Determination of Tariff	8
Approach adopted for Truing up & Determination of Tariff	9
Petition Structure.....	9
Chapter 2: Executive Summary of the petition	11
True Up for FY 2014-15.....	11
ARR for FY 2016-17.....	13
Gap/ (Surplus) Analysis for FY 2016-17	13
Prayers	15
Chapter 3: True-up for FY 2014-15.....	17
Energy Sales to the Consumers.....	18
Distribution Loss.....	19
Energy Requirement.....	19
Energy Availability.....	20
Power Purchase.....	21
Renewable Power Purchase Obligation.....	22
Fixed Cost.....	23
Operation & Maintenance (O&M) expenses	23
Capital Expenditure	24
Interest Expenses	26
Interest on Security Deposit	27
Interest on Working Capital.....	28
Depreciation.....	28
Return on Equity	29
Income Tax.....	29
Bad debts written off.....	30
Contingency reserve.....	30
Non-tariff Income.....	31
Revenue Requirement of Surat Supply Area	31
Chapter 4: Sharing of gains and losses for FY 2014-15	33

TRUE-UP OF FY 2014-15 AND DETERMINATION OF TARIFF FOR FY 2016-17

Implementation of APTEL judgements	37
Chapter 5: ARR for FY 2016-17	39
Background	39
Revenue Gap/ (Surplus) for FY 2016-17	40
Chapter 6: Wheeling and Retail supply business for FY 2015-16	41
Chapter 7: Gap/ (Surplus) Analysis	43
Carrying Cost	43
Order on Clarification/ Rectification Petition	44
Chapter 8: Tariff Proposal for FY 2016-17	45
Tariff Philosophy:	45
Determination of Retail Tariff	45
Determination of Wheeling Charges	45
Determination of Cross-Subsidy Surcharge	48
Determination of Additional Surcharges	49
Chapter 9: Compliance of Directives	50
Chapter 10: Prayers	51
AFFIDAVIT	53
Annexure-1: Proposed Tariff Schedule	55
Annexure 2: Tariff Filing Forms – Distribution	68

TRUE-UP OF FY 2014-15 AND DETERMINATION OF TARIFF FOR FY 2016-17

List of Tables

TABLE 1: TRUE-UP OF ARR OF SURAT SUPPLY AREA FOR FY 2014-15	12
TABLE 2: REVENUE GAP/ (SURPLUS) FOR SURAT SUPPLY AREA FOR FY 2014-15	12
TABLE 3: ARR OF SURAT SUPPLY AREA FOR FY 2016-17	13
TABLE 4: REVENUE GAP/ (SURPLUS) OF SURAT SUPPLY FOR FY 2016-17	14
TABLE 5: CUMULATIVE REVENUE GAP/(SURPLUS) FOR DETERMINATION OF TARIFF	14
TABLE 6: ENERGY SALES TO CONSUMERS FOR SURAT SUPPLY AREA IN FY 2014-15 (IN MU)	18
TABLE 7: TRUE-UP OF DISTRIBUTION LOSS OF SURAT SUPPLY AREA (IN %)	19
TABLE 8: ENERGY REQUIREMENT OF TPL-D FOR FY 2014-15.....	19
TABLE 9: ENERGY AVAILABILITY (NET) FOR FY 2014-15 FOR TPL-D (IN MU)	20
TABLE 10: POWER PURCHASE COST FOR TPL-D SUPPLY AREA IN FY 2014-15	21
TABLE 11: RENEWABLE POWER PURCHASE OBLIGATION FOR SURAT SUPPLY AREA IN FY 2014-15.....	22
TABLE 12: O&M EXPENSES OF SURAT SUPPLY AREA IN FY 2014-15	23
TABLE 13: CAPITAL EXPENDITURE FOR SURAT SUPPLY AREA IN FY 2014-15	24
TABLE 14: CAPITALIZATION FOR SURAT SUPPLY AREA IN FY 2014-15	26
TABLE 15: INTEREST EXPENSE FOR TPL-D (S)	27
TABLE 16: TOTAL INTEREST EXPENSE FOR SURAT SUPPLY AREA IN FY 2014-15	27
TABLE 17: INTEREST ON SECURITY DEPOSIT OF SURAT SUPPLY AREA FOR FY 2014-15	28
TABLE 18: INTEREST ON WORKING CAPITAL OF SURAT SUPPLY AREA FOR FY 2014-15	28
TABLE 19: DEPRECIATION FOR SURAT SUPPLY AREA IN FY 2014-15.....	29
TABLE 20: RETURN ON EQUITY (ROE) FOR SURAT SUPPLY AREA IN FY 2014-15.....	29
TABLE 21: INCOME TAX FOR SURAT SUPPLY AREA IN FY 2014-15	30
TABLE 22: BAD DEBTS WRITTEN OFF FOR SURAT SUPPLY AREA IN FY 2014-15	30
TABLE 23: CONTINGENCY RESERVE FOR SURAT SUPPLY AREA IN FY 2014-15	31
TABLE 24: NON-TARIFF INCOME OF SURAT SUPPLY AREA IN FY 2014-15	31
TABLE 25: TRUE UP FOR SURAT SUPPLY AREA FOR FY 2014-15.....	31
TABLE 26: CONTROLLABLE & UNCONTROLLABLE VARIATIONS IN SURAT SUPPLY AREA FOR FY 2014-15.....	34
TABLE 27: GAINS DUE TO REDUCTION IN ENERGY REQUIREMENT OF SURAT SUPPLY AREA DUE TO REDUCTION IN DISTRIBUTION LOSS	35
TABLE 28: SHARING OF GAINS AND LOSSES IN SURAT SUPPLY AREA FOR FY 2014-15.....	36
TABLE 29: TRUED-UP ARR INCL. GAINS/LOSSES FOR SURAT SUPPLY AREA FOR FY 2014-15	37
TABLE 30: REVENUE GAP/ (SURPLUS) FOR SURAT SUPPLY AREA FOR FY 2014-15	38
TABLE 31: ARR FOR SURAT SUPPLY AREA FOR FY 2016-17	39
TABLE 32: GAP/ (SURPLUS) OF SURAT SUPPLY AREA FOR FY 2016-17	40
TABLE 33: ALLOCATION MATRIX FOR SEGREGATION TO WHEELING & RETAIL SUPPLY FOR SURAT SUPPLY AREA.....	41
TABLE 34: ARR FOR WHEELING BUSINESS OF SURAT SUPPLY AREA FOR FY 2016-17	42

TRUE-UP OF FY 2014-15 AND DETERMINATION OF TARIFF FOR FY 2016-17

TABLE 35: ARR FOR RETAIL SUPPLY BUSINESS OF SURAT SUPPLY AREA FOR FY 2016-17	42
TABLE 36: REVENUE GAP/ (SURPLUS) FOR DETERMINATION OF TARIFF OF	43
TABLE 38: CUMULATIVE REVENUE GAP/ (SURPLUS) FOR DETERMINATION OF TARIFF OF	44
TABLE 39: WHEELING CHARGES IN CASH OF SURAT SUPPLY AREA FOR FY 2016-17	48
TABLE 40: WHEELING CHARGES IN KIND OF SURAT SUPPLY AREA FOR FY 2016-17	48
TABLE 41: CROSS-SUBSIDY SURCHARGE FOR SURAT SUPPLY AREA	48

List of Abbreviation

Sl. No.	Abbreviation	Expansion
1	AMR	Automatic Meter Reading
2	ARR	Aggregate Revenue Requirement
3	A&G	Administrative and General
4	BHP	Brake Horse Power
5	BPL	Below Poverty Line
6	Capex	Capital Expenditure
7	CSS	Cross Subsidy Surcharge
8	DoE	Diversion of Energy
9	DSM	Demand Side Management
10	EHV	Extra High Voltage
11	FPPPA	Fuel and Power Purchase Price Adjustment
12	FY	Financial Year
13	GERC	Gujarat Electricity Regulatory Commission
14	GFA	Gross Fixed Asset
15	GUVNL	Gujarat Urja Vikas Nigam Ltd
16	HT	High Tension
17	HTMD	High Tension Maximum Demand
18	HV	High Voltage
19	IT	Information Technology
20	kV	Kilo Volt
21	LTMD	Low Tension Maximum Demand
22	LT	Low Tension
23	LTP	Low Tension Power
24	MW	Mega Watt
25	MYT	Multi Year Tariff
26	MTR	Mid-Term Review
27	NTCT	Night Time Concession Tariff
28	O&M	Operation and Maintenance
29	PBT	Profit Before Tax
30	PF	Power Factor
31	PPC	Power Purchase Cost
32	REC	Renewable Energy Certificate
33	RGP	Residential General Purpose
34	RoE	Return on Equity
35	R&M	Repair and Maintenance
36	SD	Security Deposit
37	SLC	Service Line Charges

TRUE-UP OF FY 2014-15 AND DETERMINATION OF TARIFF FOR FY 2016-17

Sl. No.	Abbreviation	Expansion
38	TOU	Time Of Use
39	TPL	Torrent Power Limited
40	TPL - D	TPL Distribution
41	TPL - G (APP)	TPL - G (Ahmedabad Power Plant)
42	TPL - G	TPL Generation
43	T&D	Transmission & Distribution
44	UI	Unscheduled Interchange

Chapter 1: Introduction

Company Profile

- 1.1 Torrent Power Limited is a Company incorporated under the Companies Act, 1956 carrying on the businesses of generation and distribution of electricity. TPL supplies electricity in the cities of Ahmedabad, Gandhinagar, Surat and Dahej SEZ as distribution licensee in accordance with the provisions of the Electricity Act, 2003. The business of distributing electricity in the cities of Ahmedabad, Gandhinagar and Surat Areas is hereinafter referred to as TPL-D for the sake of brevity.

Background to Multi Year Tariff Filing

- 1.2 In accordance with the GERC (MYT) Regulations, 2011, the Hon'ble Commission approved the ARR based on business plan for TPL-G (APP) and Ahmedabad, Gandhinagar & Surat supply areas for the Control Period FY 2011-12 to FY 2015-16 vide its Order dated 6th September 2011 in Case No. 1092/2011.
- 1.3 The Petitioner filed the Petitions for Truing up of FY 2010-11 & determination of tariff for FY 2012-13 and Truing up of FY 2011-12 & determination of tariff for FY 2013-14. The orders on these petitions were issued by the Hon'ble Commission vide its orders dated 2nd June, 2012 and 16th April, 2013.
- 1.4 The Petitioner had also filed the Petitions seeking Mid Term Review of the Business Plan and approval of resultant ARR for FY 2014-15 & FY 2015-16 along with the Petition for Truing up of FY 2012-13 & determination of tariff for FY 2014-15. The Hon'ble Commission approved the revised Business Plan and determined the tariff for FY 2014-15 vide its orders dated 29th April, 2014.
- 1.5 The Petitioner filed the Petition for Truing up of FY 2013-14 & determination of tariff for FY 2015-16. The order on this petition was issued by the Hon'ble Commission vide its order dated 31st March, 2015.

Requirement of Truing up and Annual Determination of Tariff

- 1.6 The Regulation 16.2 (iii) of the MYT Regulations, 2011 provides for the truing up of previous year's expenses and revenue based on audited accounts vis-à-vis the approved forecast and categorization of variation in performance as those caused by factors within the control of the applicant (controllable factors) and those caused by

factors beyond the control of the applicant (uncontrollable factors).

- 1.7 The Regulation 16.2 (vi) of the MYT Regulations, 2011 provides for the annual determination of tariff for Distribution licensee for each financial year within the Control Period based on the approved forecast and results of the truing up exercise.

Approach adopted for Truing up & Determination of Tariff

- 1.8 The Petitioner submits the present petition for True-Up of FY 2014-15 for its distribution business of Surat Supply Area. The True-up exercise has been carried out based on the actual performance for FY 2014-15 including identification of variation in cost items on account of controllable/un-controllable factors and sharing of gains/losses based on the GERC (MYT) Regulations, 2011.
- 1.9 The Petitioner has considered the ARR of FY 2015-16 approved in the Mid Term Review (MTR) order dated 29th April, 2014 as provisional ARR for FY 2016-17 as per the Hon'ble Commission's order dated 2nd December, 2015 in Petition No. 1534/2015.
- 1.10 The Petitioner has proposed revision of tariff based on Trued up Gap/(Surplus) of FY 2014-15; and Gap/ (Surplus) of FY 2016-17 considering the provisional ARR of FY 16-17 and the revenue at existing tariff.
- 1.11 The Petitioner submits this petition without prejudice to the decisions/cases on the matters pending before the Hon'ble Commission/ Hon'ble ATE.

Petition Structure

- 1.12 The Petitioner files the present petition for True-Up of FY 2014-15 and determination of tariff for FY 2016-17 for its distribution business of Surat Supply Area.
- 1.13 The true-up of FY 2014-15 includes the analysis of cost items amongst the controllable/uncontrollable factors and sharing of gains/losses and the proposal for recovery of cumulative gap/ (surplus).
- 1.14 The petition includes the following Chapters. A brief outline of the content of each chapter is provided below:
- a) Chapter 1 contains the introductory information to the petition and background of the petition filing.
 - b) Chapter 2 contains the executive summary including a synopsis of the

- Petition and prayers to the Hon'ble Commission.
- c) Chapter 3 covers true-up exercise for FY 2014-15 and identification of controllable/un-controllable costs.
 - d) Chapter 4 covers the sharing of gains/losses based on the factors identified as controllable & uncontrollable.
 - e) Chapter 5 contains the ARR for FY 2016-17.
 - f) Chapter 6 contains the segregation of ARR in wheeling & retail supply business.
 - g) Chapter 7 contains gap/ (surplus) analysis.
 - h) Chapter 8 contains the Tariff proposal for FY 2016-17.
 - i) Chapter 9 contains the compliance to the directives issued by the Hon'ble Commission in the past orders.
 - j) Chapter 10 contains the prayers to the Hon'ble Commission.

Chapter 2: Executive Summary of the petition

- 2.1 As per the provisions of the GERC (Multi Year Tariff) Regulations, 2011, the Petitioner is filing this petition before the Hon'ble Commission for approval of
- a) Truing up of ARR for FY 2014-15 and sharing of gains/losses on account of controllable/un-controllable factors
 - b) Determination of Gap/(Surplus) for FY 2016-17 and
 - c) Determination of tariff for FY 2016-17

True Up for FY 2014-15

- 2.2 The Hon'ble Commission had approved ARR for FY 2014-15 for TPL-D (S) as per the MTR order in Case No. 1367 of 2013 dated 29th April, 2014. This was based on the revised projections for FY 2014-15. The ARR approval is subject to truing up based on the actual data for FY 2014-15.
- 2.3 The Petitioner, for the purpose of truing up in accordance with the GERC (Multi Year Tariff) Regulations, 2011, is submitting this petition on the basis of the Hon'ble Commission's MTR order in Case No. 1367 of 2013 dated 29th April, 2014 read with APTEL judgement dated 16th February, 2015 in Appeal No. 149 of 2014.
- 2.4 The Petitioner has considered the following parameters for truing up of ARR:
- a) Variation in power purchase cost due to variation in power purchase mix, quantity and price.
 - b) Variation in fixed cost such as O&M expense, interest expenses, Depreciation, Return on Equity, Bad debts written off, Income Tax and Non-Tariff Income.
 - c) Sharing of gains/ losses considering controllable & uncontrollable factors.
- 2.5 The energy requirement is based on the actual sales and the actual T&D losses for FY 2014-15. The sale for Surat Supply Area was 3,308.27 MU. The actual distribution loss achieved for FY 2013-14 was 4.09%. TPL-D (S) has outperformed the distribution loss target specified by the Hon'ble Commission.
- 2.6 The total power purchase cost is based on the actual expenses for power purchase from all the sources.

- 2.7 The ARR has been arrived at considering the actual expenses vis-à-vis approved expenses as per the MTR Order in Case No. 1367 of 2013 dated 29th April, 2013. The variation in power purchase cost on account of price, quantity and mix is uncontrollable and passed on in the ARR. However, the variation in expenses to the extent of variation in efficiency parameter is controllable and a portion of the gain is to be added to the ARR based on the sharing of gains/losses mechanism specified in the GERC (Multi Year Tariff) Regulations, 2011. There is a reduction in distribution loss for Surat supply area as compared to the approved distribution loss level. The gain on account of such reduction in distribution loss is to be shared in accordance with the GERC (MYT) Regulations, 2011.
- 2.8 The fixed cost items of Surat Supply Area, such as, O&M expenses, Interest expense, Depreciation, Bad debts, Return on Equity, Income Tax and Non-Tariff Income is trued-up based on the classification of controllable/un-controllable factors for each item head as applicable. Accordingly, the sharing of gains/losses has been arrived at and the trued-up ARR is worked out. The trued-up ARR thus worked out is shown in the table below:

Table 1: True-Up of ARR of Surat Supply Area for FY 2014-15

All figures in Rs. Crores		
ARR as per MYT order	(a)	1,823.41
Gains/ (Losses) due to Uncontrollable Factors	(b)	(354.96)
Gains/ (Losses) due to Controllable Factors	(c)	20.72
Pass through as Tariff	d= -(b+1/3 rd of c)	348.06
Trued Up ARR	f=a+d	2,171.47

- 2.9 The trued up ARR is equated with actual revenue from sale of power to arrive at the gap/ (surplus). The summary of the gap/ (surplus) is shown in the table below.

Table 2: Revenue Gap/ (Surplus) for Surat Supply Area for FY 2014-15

All figures in Rs. Crores	Actual
Trued-up ARR	2,171.47
Revenue from Sale of Energy	2,205.68
Less: Revenue towards recovery of Earlier Years' approved Gap/(Surplus)*	223.11
Balance Revenue	1,982.58

TRUE-UP OF FY 2014-15 AND DETERMINATION OF TARIFF FOR FY 2016-17

All figures in Rs. Crores	Actual
Gap/ (Surplus)	188.89

**As per the Hon'ble Commission's orders dated 2nd June-12, 29th Apr-14, 18th Jul-14 & 5th Jun-15 read with APTEL judgments dated 28th Nov-13, 6th May-15 & 11th Dec-15*

2.10 The Petitioner requests the Hon'ble Commission to approve the ARR & revenue gap/ (surplus) as per the computation provided hereinabove.

ARR for FY 2016-17

2.11 In Compliance to order dated 2nd December, 2015 in Suo-Motu Petition No. 1534/2015 the Petitioner has considered ARR items for FY 16-17 as per the approved ARR of FY 15-16 provisionally till the approval of the ARR for the entire control period. As clarified in the suo-motu order, the true-up of FY 16-17 is to be carried w.r.t approved ARR for FY 16-17.

2.12 The Petitioner has considered the ARR of FY 2016-17 as shown in the following table.

Table 3: ARR of Surat Supply Area for FY 2016-17

All Figures in Rs. Crores	
Power Purchase	1,660.02
O&M expenses	105.49
Interest on loans	50.27
Interest on SD	35.44
Interest on working capital	20.73
Depreciation	-
Bad debts	0.36
Contingency reserve	0.40
RoE	80.29
Income Tax	-
Less: Non-tariff income	26.64
ARR	1,926.36

Gap/ (Surplus) Analysis for FY 2016-17

2.13 The gap/ (surplus) is arrived at for FY 2016-17 by considering the revenue from sale

of power including revenue from the base FPPPA. The summary of revenue gap/ (surplus) for FY 2016-17 is shown in the following table.

Table 4: Revenue Gap/ (Surplus) of Surat Supply for FY 2016-17

All figures in Rs. Crores	
ARR	1,926.36
Less:	
Revenue from sale of power at existing tariff rates including FPPPA revenue @1.23 per unit	2,029.73
Gap/ (Surplus)	(103.37)

The Petitioner submits to the Hon'ble Commission to consider the gap/ (surplus) as proposed by it.

- 2.14 As per the Hon'ble Commission's order dated 3rd June, 2015 in Case No. 1453/2014 on clarification/ rectification Petition against order dated 18th July, 2014, the Petitioner has considered Rs. 62.47 Crores as the Gap. Further to the above, the Petitioner has calculated carrying cost for the Gap/ (Surplus) of FY 14-15 which works out to Rs. 30.18 Crores for TPL-D (S). Also, the Petitioner has calculated the carrying cost mainly for the revision in approved Gap/ (Surplus) due to subsequent orders/judgments for FY 08-09 to FY 12-13 which results in a further claim of Rs. 0.57 Crores for TPL-D (S). The Petitioner, therefore, requests the Hon'ble Commission to consider the aforementioned outstanding amount in addition to the Gap/ (Surplus) of FY 14-15 & FY 16-17 for the purpose of determination of tariff for FY 2016-17. The total gap is thus arrived at Rs. 178.73 Crores. The summary of revenue gap/ (surplus) for determination of tariff FY 2016-17 is shown in the following table.

Table 5: Cumulative Revenue Gap/(Surplus) for determination of tariff of Surat Supply Area for FY 2016-17

All figures in Rs. Crores	
Gap/ (Surplus) of FY 2014-15	188.89
Clarification/ Rectification Order	62.47
Carrying Cost	30.74
Gap/ (Surplus) of FY 2016-17	(103.37)
Cumulative Gap/ (Surplus) to be recovered through tariff	178.73

2.15 The Petitioner proposes to recover the cumulative gap/ (surplus) of FY 2014-15, FY 2016-17 and carrying cost by way of Regulatory Charge instead of Tariff increase. As part of such proposal, the Petitioner also proposes to cap the recovery of FPPPA Charge plus Regulatory Charge at Rs. 1.93 i.e. Effective reduction of 5 paise per unit from the existing Tariff and FPPPA of Rs. 1.98.

Prayers

2.16 The Petitioner files the present petition for Truing up of FY 2014-15 and determination of tariff for FY 2016-17 for its distribution business of Surat Supply Area.

2.17 In view of the facts and circumstances, the Petitioner prays to the Hon'ble Commission that it may be pleased to:

- a) Admit the petition for true up of FY 2014-15 and determination of tariff for FY 2016-17.
- b) Approve the trued up Gap/ (Surplus) of FY 2014-15.
- c) Approve the sharing of gains/ losses as proposed by the Petitioner for FY 2014-15.
- d) Approve the cumulative Gap/ (Surplus).
- e) Approve the wheeling ARR and corresponding charges for wheeling of electricity with effect from 1st April, 2016.
- f) Approve the recovery through retail tariff and Regulatory Charge for FY 2016-17.
- g) Allow recovery of the costs as per the Judgments of the Hon'ble Tribunal on the Appeals filed by the Petitioner.
- h) Allow additions/ alterations/ changes/ modifications to the application at a future date.
- i) Permit the Petitioner to file all necessary pleading and documents in the proceeding and documents from time to time for effective consideration of the proceeding.
- j) Allow any other relief, order or direction which the Hon'ble Commission deems fit to be issued.

- k) Condone any inadvertent omissions/ errors/ rounding off difference/ shortcomings.

Chapter 3: True-up for FY 2014-15

- 3.1 The Hon'ble Commission issued the order dated 6th September, 2011 in Case No. 1092/2011 approving Aggregate Revenue Requirement (ARR) based on the forecast for the financial year FY 2011-12 to FY 2015-16 in accordance with the provisions of the MYT Regulations, 2011.
- 3.2 The Petitioner had filed the Mid Term Review petition vide its petition no. 1367/2013 with revised estimates of various cost items.
- 3.3 The Hon'ble Commission vide its Mid-Term Review (MTR) order dated 29th April, 2014 approved the revised Business Plan & the resultant ARR and the same was considered for the determination of gap/ (surplus) for FY 2014-15.
- 3.4 In this section, the true up has been proposed based on the actual performance of the business as per the GERC (Multi Year Tariff) Regulations, 2011. The segregation of under/over recovery and attribution of variation to controllable & uncontrollable factors has been done with respect to the approved estimates for FY 2014-15.
- 3.5 The scope for truing up exercise is as specified in Regulation 22.3 of the GERC (Multi Year Tariff) Regulations, 2011. The relevant extract of Regulations has been reiterated below for ready reference.

"....The scope of the truing up shall be a comparison of the performance of the Generating Company or Transmission Licensee or Distribution Licensee with the approved forecast of Aggregate Revenue Requirement and expected revenue from tariff and charges and shall comprise of the following:

- a) a comparison of the audited performance of the applicant for the previous financial year with the approved forecast for such previous financial year, subject to the prudence check including pass-through of impact of uncontrollable factors;*
- b) Review of compliance with directives issued by the Commission from time to time;*
- c) Other relevant details, if any..."*

- 3.6 For O&M expenses (R&M expenses, employee costs & Administration & General Costs), it is proposed that the variation due to changes in law and the factors beyond the control should be considered as uncontrollable. For the Interest & Finance

Charges, the current applicable interest rates and actual level of capitalisation have to be taken into consideration. Hence, the variation in these costs needs to be attributed to the factors responsible for the variation which are uncontrollable. It is also possible that in respect of variation in one item head, part of variation could be due to uncontrollable factors and the other part (i.e. balance part) could be due to controllable factors.

- 3.7 Based on the above, the Petitioner prays to the Hon'ble Commission to allow the computation of controllable/uncontrollable costs and sharing of gains/losses as submitted by the Petitioner in the following Section.

Energy Sales to the Consumers

- 3.8 The Hon'ble Commission had approved the sales in the MTR Order. The Hon'ble Commission considered growth rate of 5-year CAGR from FY 12-13 for all the categories. Further for LT sales, the Hon'ble Commission apportioned the arrived figure amongst individual LT categories in the ratio of actual sales for FY 12-13. Meanwhile, the sales for others category were considered at the actual level of FY 12-13.
- 3.9 The actual sales in FY 2014-15 were higher than the sales approved in MTR Order. The major reasons for deviation are enumerated hereunder:
- a) The actual sales for RGP category were higher than the approved sales due to comparatively higher average temperature coupled with delayed monsoon observed during FY 2014-15.
 - b) The actual combined sales for Non RGP and LTMD categories were only marginally higher during FY 2014-15.
- 3.10 The MYT Regulation specifies that the variation in quantities of electricity supplied to the consumers is attributed as uncontrollable factor. Therefore, the Petitioner requests the Hon'ble Commission for the truing up of actual sales as shown in the table below.

Table 6: Energy Sales to Consumers for Surat Supply Area in FY 2014-15 (In MU)

Category	MTR Order	Actual
RGP	681	740.91
Non RGP	1,250	1,238.86

Category	MTR Order	Actual
LTMD	973	1,009.82
HT	280	290.13
Others	28	26.15
DoE Units	-	2.41
Total Sales	3,212	3,308.27

Distribution Loss

- 3.11 The Petitioner has been making consistent efforts to contain the distribution losses. Consequent to the efforts, it has out-performed the distribution losses approved by the Hon'ble Commission.
- 3.12 The achievement/deviation from the approved values is shown in the table below. The Petitioner further submits that the MTR approved loss figure has been considered as per the Hon'ble Tribunal's order in Appeal No. 148 & 149 of 2014 dated 16th February, 2015.

Table 7: True-Up of Distribution Loss of Surat Supply Area (In %)

Particulars	MTR Order	Actual
Distribution Loss	5.15%	4.09%

- 3.13 The Petitioner submits that the variation in the distribution loss compared to the approved value is to be considered as controllable.

Energy Requirement

- 3.14 Based on the actual energy sales and the transmission & distribution loss units, the actual energy requirement for Ahmedabad and Surat License area has been furnished below. The total energy requirement was met through various sources as described in the subsequent section.

Table 8: Energy Requirement of TPL-D for FY 2014-15
(All figures in MU except mentioned otherwise)

Particulars	MTR Order	Actual
Ahmedabad Supply Area		
Energy Sales	7,011.00	6,451.19
Distribution loss (in %)	8.50%	7.34%

Particulars	MTR Order	Actual
Distribution loss	651.30	510.79
Energy input at distribution level	7,662.30	6,961.98
Transmission loss	118.00	124.60
Energy Requirement (A)	7,780.30	7,086.59
Surat Supply Area		
Energy Sales	3,212.00	3,308.27
Distribution loss (in %)	5.15%	4.09%
Distribution loss	174.40	141.19
Energy input at distribution level	3,386.40	3,449.46
EHV/ Transmission loss	47.00	100.76
Energy Requirement (B)	3,433.40	3,550.22
Total Energy Requirement (A + B)	11,213.69	10,636.81

Energy Availability

3.15 TPL-D sourced power collectively for its Ahmedabad and Surat license area from plant at Sabarmati termed as TPL-G (APP), SUGEN Plant, Renewable Energy and other sources such as bilateral purchase/power exchange. The source-wise power procured for TPL-D is provided in the table below.

Table 9: Energy Availability (Net) for FY 2014-15 for TPL-D (In MU)

Energy Sources	MTR Order	Actual
TPL - G (APP)	2,953	2,717.85
SUGEN	3,345	2,420.72
Bilateral	1,855.68	4,133.85
Power Exchange	2,076.76	1,014.48
Renewable Energy	889.56	191.40
Sub-Total	11,120	10,478.30
Add: Sale of Surplus Power/UI	-	158.51
Total	11,120	10,636.81

3.16 Due to reduction in availability of gas in KG basin, the allocation of domestic gas was reduced by the Govt of India. It may kindly be noted that the utilization of gas generation facilities, though available, majorly depends on contracted sources of

supply of fuel. Despite the availability of generation facilities, the Petitioner had to source power from bilateral sources and power exchange to cater to the demand of its consumers. Accordingly, there was a variation in offtake from SUGEN. This variation is uncontrollable as it is beyond the control of the Petitioner.

- 3.17 The net quantum of UI power on account of deviation from the scheduled purchase has been added to the total energy procured. The power purchase from Power exchange is mainly to meet the shortfall in power supplies.

Power Purchase

- 3.18 The quantum of power purchase depends on energy sales and distribution loss and the mix of power purchase depends on availability & cost of different sources at a point of time. Therefore, the Hon'ble Commission has also classified it as uncontrollable item except for the variation in distribution loss level. The actual power purchase for FY 2014-15 is provided in the table below and compared with the approved power purchase.
- 3.19 The variation in the power purchase cost from the MTR Order is on account of variation in sales & distribution losses and variation in actual cost with respect to the base rate along with purchase of power from short-term sources to meet the shortfall during the year.
- 3.20 The variation in power purchase cost is uncontrollable except on account of variation in distribution losses and hence the same needs to be allowed in truing up exercise.

Table 10: Power Purchase Cost for TPL-D Supply Area in FY 2014-15

All figures in Rs. Crores	MTR Order	Actual
TPL - G (APP)	1,178.25	1,206.20
SUGEN	1,960.17	2,261.87
Bilateral	705.16	1,527.43
Power Exchange	812.01	429.94
Renewable Energy	454.46	142.69
REC	-	92.25
Total	5,110.05	5,660.38

- 3.21 TPL-D submits that the power purchase for its Ahmedabad & Surat license areas has been carried out on collective basis and the total power purchase cost has been apportioned between Ahmedabad & Surat on the basis of usage of power.

Accordingly, the allocated power purchase cost for Surat Supply area is Rs. 1,902.08 Crores for FY 2014-15.

Renewable Power Purchase Obligation

3.22 The Petitioner submits that Regulation 4.1 of the GERC (Procurement of Energy from Renewable Energy Sources) Regulation, 2010 specifies the Renewable Power Purchase Obligation (RPPO) for FY 2010-11, FY 2011-12 and FY 2012-13. The Hon'ble GERC vide Amendment to the GERC (Procurement of Energy from Renewable Energy Sources) Regulation, 2010 has specified the RPO target for the period FY 2014-15 to FY 2016-17. TPL-D has made all efforts to fulfil its RPPO.

3.23 The renewable energy requirement and renewable energy sourced for FY 2014-15 is as under:

Table 11: Renewable Power Purchase Obligation for Surat Supply Area in FY 2014-15

Particulars	MU
Energy Requirement	3,550.22
Obligation	
Wind energy to be procured (@6.25%)	221.89
Solar energy to be procured (@1.25%)	44.38
Biomass/Bagasee/Others (@0.50%)	17.75
Total (8.00%)	284.02
Compliance (Non-Solar)	
Wind	42.70
Non Solar-REC	197.20
Compliance	239.90
Compliance (as % of Energy Requirement)	6.76%
Compliance (Solar energy)	
Solar	20.13
Solar-REC	-
Compliance	20.13
Compliance (as % of Energy Requirement)	0.57%
Shortfall of FY 2014-15	
Non-Solar	(0.26)
Solar	24.25
Total	23.99

- 3.24 TPL-D sources renewable power as per the PPAs signed and also procures the surplus power from the captive Renewable consumers. TPL-D has issued the advertisements in newspapers inviting offers from wind RE developers. However it did not receive any encouraging response. Hence, TPL-D has purchased the RECs to fulfil part of its obligation though there were financial constraints. Thus, despite all its efforts, it has not been able to fulfil its obligation due to supply constraints and factors beyond its control. Further, the renewable energy from Biomass/ Bagasee based sources was not available during the year.
- 3.25 TPL-D had signed a PPA of 50 MW Solar Power Procurement with the developer. The project was partly commissioned on 31st March, 2014 (29.9 MW) and balance capacity was commissioned on 4th February, 2015 (20.1 MW).
- 3.26 The Regulation 4.2 of GERC (Procurement of Energy from Renewable Energy Sources) Regulations, 2010 provides for revision of RPPO targets by the Hon'ble Commission on suo-motu basis or at the request of a licensee in view of supply constraints or other factors beyond the control of the licensee. Accordingly, the Petitioner has approached the Hon'ble Commission to revise the RPPO target for FY 2014-15 as per actuals.

Fixed Cost

Operation & Maintenance (O&M) expenses

- 3.27 The actual O&M expense vis-a-vis the approved has been provided in the table below.

Table 12: O&M Expenses of Surat Supply Area in FY 2014-15

All figures in Rs. Crores	MTR Order	Actual
Operation & Maintenance Expenses	99.78	105.57

- 3.28 The actual O&M expenses of Surat supply area had exceeded the approved value mainly due to wage revision. The Petitioner was in discussions with unionized Employees of Surat license area for wage revision. As wage revision had to come into effect from 1st January-2013, the Petitioner had made the provision of Rs. 0.70

Crores and Rs. 2.79 Crores for wage revision in the employee expenses for FY 12-13 and FY 13-14 in its books. As the wage settlement was concluded in FY 2014-15, the impact of wage settlement crystalized during FY 2014-15. Accordingly, in the present petition, the Petitioner has considered the total impact of Rs. 5.91 Crores on account of wage revision as uncontrollable.

- 3.29 As per the provisions of the MYT Regulations, 2011, the Petitioner submits that the variation in O&M expense on account of wage revision should be considered as uncontrollable. The Petitioner has segregated the entire O&M expenses as controllable and uncontrollable for sharing of gains/losses.

Capital Expenditure

- 3.30 The Hon'ble Commission in its order in Case No. 1367/2013 had approved capital expenditure of Rs. 106.65 Crores for FY 2014-15.
- 3.31 The capital expenditure incurred by Surat Supply Area in FY 2014-15 is Rs 48.77 Crores which is lower than the approved value. The details of the capital expenditure are provided in the following table.

Table 13: Capital Expenditure for Surat Supply Area in FY 2014-15

All figures in Rs. Crores	MTR Order	Actual
EHV	54.56	21.06
HT Network	18.53	9.82
LT Network	13.95	12.22
Metering	6.30	4.00
Others	13.31	1.67
Total	106.65	48.77

- 3.32 The reasons for the major variances in the actual expenditure against the approved expenditure are enumerated hereunder:

a) EHV –

The order for 160 MVA Power Transformer and GIS equipment for 220 kV F GIS S/s was duly placed in FY 14-15. Due to longer than expected time taken for delivery of GIS bay & ICT the project has got delayed. Thus, capex for the same has been deferred due to reasons beyond the control of the Petitioner.

A major part of the expenditure was estimated to be incurred towards developing 66kV inter-connectivity. Due to restriction in capex on account of fund constraints 66 kV F-F2 connectivity has been deferred to FY 15-16. Further, because of the rerouting due to availability of shorter TP road for the cable laying has resulted into lower cable utilisation than estimated. The Petitioner would like to state that due to longer than expected time taken for delivery, GIS bay for terminating FGIS-B connectivity at FGIS S/s has not been capitalised in 2014-15. The project cost has also marginally decreased on account of variation in prices.

Based on test results and predictive & preventive maintenance; replacement of MOCB, Connector, C&R Panel, Energy meter and Battery Charger has been deferred. With a view to limit the Capex, net covering of switchyard has only been carried out only at 2 nos. of 66 kV S/s. Net Covering in remaining 66 kV S/s and Bus modification at B S/s was deferred.

- b) HT – The Hon’ble Commission had approved the capital expenditure of Rs. 18.53 Crores for HT network. In this regard, the Petitioner has incurred the expenditure of Rs. 9.82 Crores. The major variation is on account of :
- Lower utilisation of HT Cable than envisaged due to new shorter TP road available for cable laying for New Feeders and N/w development schemes.
 - Network and Substation shifting envisaged on account of BRTS project has been deferred due to delayed development of the project.
 - Only need based HT Cable replacement considered due to fund constraints.
 - Due to shortage of funds 11 KV feeder automation, equipment for relay replacement at C S/s and AMR of DTs has been deferred.
- c) LT – The Hon’ble Commission had approved the capital expenditure of Rs. 13.95 Crores for LT network. However, the actual expenditure was Rs. 12.22 Crores. The lower capex is mainly on account of lower load growth than estimated.

- d) Metering – The Hon’ble Commission had approved capital expenditure pertaining to Metering of Rs. 6.30 Crores. However, the actual expenditure was lower as the Petitioner utilized the extra meters recovered from site due to implementation of single meter single premises concept as per Hon’ble Commission’s order.
- e) Others – The capex incurred for Special Projects was lower due to deferment of part of GIS project. The major capex planned for Admin towards power supply centres including civil work was deferred.

Table 14: Capitalization for Surat Supply Area in FY 2014-15

All figures in Rs. Crores		Actual
Opening GFA	(a)	1,386.45
Addition to GFA	(b)	48.76
Deletion to GFA	(c)	6.34
Closing GFA	(d)=(a)+(b)-(c)	1,428.87
SLC Addition	(e)	13.10
Capitalization for Debt	(f)=((b)-(c)-(e))	29.32
Capitalization for Equity	(g)=((b)-(c)-(e))	29.32
Normative debt @ 70%	(h)=(f)*70%	20.52
Normative Equity @ 30%	(i)=(g)*30%	8.80

Interest Expenses

- 3.33 The Petitioner submits that the GERC (MYT) Regulations, 2011 provide for the calculation of interest expenses on normative basis considering the amount of depreciation of assets as the amount of repayment.
- 3.34 The Petitioner has considered the interest expenses as per the GERC (MYT) Regulations, 2011 on normative loans. The Petitioner has calculated the interest expenses by applying the opening Weighted Average Rate of interest of the actual loan portfolio of the Petitioner at the beginning of the year (i.e. 01.04.2014) on the loan component while repayment has been considered equal to the depreciation of the assets for the year.
- 3.35 The eligible interest expenses for FY 2014-15 are shown in the table below.

Table 15: Interest Expense for TPL-D (\$)

All Figures in Rs. Crores	Actual
Addition to GFA	48.76
Less: Deletions from GFA	6.34
Less: SLC additions	13.10
Capitalisation for Debt	29.32
Normative Debt @ 70%	20.52
Opening Balance of Loans	327.52
Repayments	45.80
New Borrowings	20.52
Closing Balance of Loans	302.24
Average Loan	314.88
Interest Expense @11.30%	35.58
Other Borrowing Cost	0.44

3.36 The total allowable interest expenditure is furnished in the following table for the consideration of the Hon'ble Commission.

Table 16: Total Interest Expense for Surat Supply Area in FY 2014-15

All Figures in Rs. Crores	MTR Order	Actual
Interest Expenses	38.99	36.02

3.37 The Petitioner requests the Hon'ble Commission to approve the above mentioned interest expenses. The variation in interest expenses compared to the approved expenses is to be treated as uncontrollable as it depends on the quantum of actual capitalization and the variation in the interest rates.

Interest on Security Deposit

3.38 The Hon'ble Commission in its MTR order had approved the interest on security deposit for the Petitioner considering 9.5% interest rate on the average estimated balance of security deposit for FY 2014-15.

3.39 The actual interest expense on security deposit considering the rate of interest of 9% paid to consumers based on Bank Rate is submitted in the table below for the approval of the Hon'ble Commission.

Table 17: Interest on Security Deposit of Surat Supply Area for FY 2014-15

All Figures in Rs. Crores	MTR Order	Actual
Interest Rate	9.5%	9%
Interest on Security Deposit	18.85	17.46

3.40 The interest expense for security deposit is lower as compared to the approved as actual security deposit amount & interest rates are lower than the estimates. Therefore the variation in interest on security deposit is uncontrollable.

Interest on Working Capital

3.41 The working capital requirement is arrived at as per the GERC (MYT) Regulations, 2011. As working capital requirement works out to be negative, the Petitioner has not claimed any interest on working capital. The revised computation is provided in the table below for the approval of the Hon'ble Commission.

Table 18: Interest on Working Capital of Surat Supply Area for FY 2014-15

All Figures in Rs. Crores	MTR Order	Actual
O&M expense for 1 month	8.32	8.80
1 % of GFA for maintenance spares	12.66	13.86
Receivables for 1 month	152.54	183.81
Less: Security Deposit	198.38	193.29
Normative Working Capital	(24.87)	13.18
Interest Rate (%)	14.45%	14.75%
Interest on Working Capital	-	1.94

3.42 The Petitioner submits that the variation in working capital requirement and the variation in interest rate are uncontrollable. Hence, the variation in interest on working capital requirement compared to the approved expenses is to be treated as uncontrollable.

Depreciation

3.43 The depreciation rates as per the CERC (Terms & Conditions of Tariff) Regulation, 2004 are applied on the opening GFA of FY 2009-10 and for addition of assets from 1st April 2009 onwards, the depreciation has been computed at depreciation rates specified in the Appendix III to the CERC (Terms & Conditions of Tariff) Regulations,

2009 as approved by the Hon'ble Commission.

3.44 The total depreciation arrived at, as described above, is shown in the table below.

Table 19: Depreciation for Surat Supply Area in FY 2014-15

All Figures in Rs. Crores	MTR Order	Actual
Depreciation	48.17	45.80

3.45 The Petitioner requests the Hon'ble Commission to approve the depreciation as mentioned above. It further submits that the variation in depreciation amount compared to the approved amount is to be treated as uncontrollable.

Return on Equity

3.46 The closing balance of equity has been arrived at considering additional equity of 30% of the capitalisation during the year. The return on equity has been computed by applying a rate of 14% on the average of opening balance & closing balance of equity.

Table 20: Return on Equity (RoE) for Surat Supply Area in FY 2014-15

All Figures in Rs. Crores	MTR Order	Actual
Opening Equity	541.22	531.06
Equity addition during the year	10.21	8.80
Equity at end of the year	551.43	539.86
Average of Opening and Closing	546.32	535.46
Return on Equity	76.49	74.96

3.47 The Petitioner requests the Hon'ble Commission to consider the variation in ROE as uncontrollable and allow the same for the purpose of truing up.

Income Tax

3.48 While passing the MTR Order, the Hon'ble Commission approved nil amount of income tax as per the actuals of FY 12-13.

3.49 The Petitioner has claimed Income Tax for FY 2014-15 as per certified financial statement. The Petitioner further states that PBT for FY 13-14 and FY 14-15 was including the provision made in the books for the purchase of power from UNOSUGEN. The same was provided for in the accounts pending the approval of

UNOSUGEN as a source of power for TPL-D. As the regulatory approval has not come yet, the Petitioner could not include the same in the cost. Therefore, the Petitioner has reversed the provisions made in FY 13-14 and FY 14-15 in the current years' accounts i.e. in FY 15-16. In turn, the Petitioner has given the effect of such reversal of UNOSUGEN Cost of FY 2014-15 and arrived at the claim for Income tax based on actual tax paid.

Table 21: Income Tax for Surat Supply Area in FY 2014-15

All Figures in Rs. Crores	MTR Order	Actual
Income Tax	-	20.44

3.50 The Petitioner requests the Hon'ble Commission to consider the variation in Income Tax as uncontrollable and allow the same for the purpose of truing up.

Bad debts written off

3.51 The Hon'ble Commission in its MTR order has approved the bad debts of Rs. 0.36 Crores on provisional basis for Surat supply area.

3.52 The Petitioner submits that it has written off bad debts of Rs. 0.31 Crores during the year.

Table 22: Bad debts written off for Surat Supply Area in FY 2014-15

All Figures in Rs. Crores	MTR Order	Actual
Bad debts written off	0.36	0.31

3.53 In the last truing up order, the Hon'ble Commission has considered the variation in bad debts written off as controllable. Hence, in the present petition, the Petitioner has given the same treatment.

Contingency reserve

3.54 The Hon'ble Commission had allowed token amount towards the contingency reserve for meeting the requirement of unexpected emergent circumstances.

3.55 Accordingly, the Petitioner has considered the approved values as shown in the table below.

Table 23: Contingency Reserve for Surat Supply Area in FY 2014-15

All Figures in Rs. Crores	MTR Order	Actual
Contingency Reserve	0.40	0.40

3.56 The Petitioner requests the Hon'ble Commission to approve the Contingency Reserve for the purpose of truing up.

Non-tariff Income

3.57 The Hon'ble Commission had approved non-tariff income of Rs. 26.64 Crores in the MTR Order. The actual non-tariff income considered is Rs. 47.34 Crores. The variation is mainly on account of increase in realization through Meter rent and other miscellaneous income.

3.58 The recovery of bad debts for FY 14-15 is Rs. 0.34 Crores. In the present petition, the Petitioner has considered treatment towards income and expense of bad debts on similar lines. Hence, it has considered recovery of bad debts as controllable.

Table 24: Non-Tariff Income of Surat Supply Area in FY 2014-15

All Figures in Rs. Crores	MTR Order	Actual
Non-Tariff Income	26.64	47.34

3.59 The Petitioner submits that the variation in non-tariff income as detailed above is uncontrollable. Accordingly, it requests the Hon'ble Commission to allow the above variation in Non-Tariff Income as uncontrollable for the purpose of truing up.

Revenue Requirement of Surat Supply Area

3.60 The Aggregate Revenue Requirement for the Surat supply area is shown in the table below:

Table 25: True Up for Surat Supply Area for FY 2014-15

All Figures in Rs. Crores	MTR Order	Actual
Power Purchase	1,567.02	1,902.08
O&M expenses	99.78	105.57
Interest on loans	38.99	36.02
Interest on SD	18.85	17.46

TRUE-UP OF FY 2014-15 AND DETERMINATION OF TARIFF FOR FY 2016-17

All Figures in Rs. Crores	MTR Order	Actual
Interest on working capital	-	1.94
Depreciation	48.17	45.80
Bad debts written off	0.36	0.31
Contingency reserve	0.40	0.40
RoE	76.49	74.96
Income Tax	-	20.44
Less: Non-tariff income	26.64	47.34
ARR	1,823.41	2,157.65

3.61 The Petitioner requests the Hon'ble Commission to kindly approve the ARR submitted hereinabove.

Chapter 4: Sharing of gains and losses for FY 2014-15

4.1 Regulation 24 and 25 of the GERC (Multi Year Tariff) Regulations, 2011 enumerates the mechanism for sharing of gains and losses on account of uncontrollable and controllable factors.

4.2 In case of uncontrollable factors, the gain and losses are entirely passed through as an adjustment in tariff. The relevant Regulation of the MYT Regulations is reproduced below:

"24.1 The approved aggregate gain or loss to the Generating Company or Transmission Licensee or Distribution Licensee on account of uncontrollable factors shall be passed through as an adjustment in the tariff of the Generating Company or Transmission Licensee or Distribution Licensee over such period as may be specified in the Order of the Commission passed under these Regulations"

4.3 In case of controllable factors, the gains and losses are shared between the generating company / licensee and the consumer in the form of tariff adjustment. The relevant provision of the regulation is provided in this section. Also the mechanism adopted in this petition for sharing of gains & losses on account of controllable factors is as outlined in Regulation 25.1 & 25.2 of the MYT Regulation. The relevant extracts of the Regulations has been reproduced below for ready reference.

4.4 The mechanism for sharing of gains defined in Regulation 25.1 of MYT Regulations is as under:-

"...The approved aggregate gain to the Generating Company or Transmission Licensee or Distribution Licensee on account of controllable factors shall be dealt with in the following manner:

(a) One-third of the amount of such gain shall be passed on as a rebate in tariffs over such period as may be stipulated in the Order of the Commission under Regulation 22.6;

(b) The balance amount, which will amount to two-thirds of such gain, may be utilised at the discretion of the Generating Company or Transmission Licensee or Distribution Licensee..."

TRUE-UP OF FY 2014-15 AND DETERMINATION OF TARIFF FOR FY 2016-17

4.5 The mechanism for sharing of losses defined in Regulation 25.2 of MYT Regulations is as under:-

"...The approved aggregate loss to the Generating Company or Transmission Licensee or Distribution Licensee on account of controllable factors shall be dealt with in the following manner:

(a) One-third of the amount of such loss may be passed on as an additional charge in tariffs over such period as may be stipulated in the Order of the Commission under Regulation 22.6; and

(b) The balance amount of loss, which will amount to two-thirds of such loss, shall be absorbed by the Generating Company or Transmission Licensee or Distribution Licensee..."

4.6 The Petitioner has compared the actual for FY 2014-15 with the approved figures and has segregated the variation as controllable or uncontrollable based on the analysis mentioned hereinabove in the truing up section.

4.7 The comparison of various ARR items and the Revenue from the sale of power for Surat supply area and the gains/ losses due to controllable and uncontrollable factors have been summarised below:

Table 26: Controllable & Uncontrollable variations in Surat Supply Area for FY 2014-15

All Figures in Rs. Crores	FY 2014-15 (MTR Order)	FY 2014-15 (Actual)	Over(+)/Under (-) recovery	Controllable	Uncontrollable
Power Purchase	1,567.02	1,902.08	(335.06)	20.53	(355.59)
O&M expenses	99.78	105.57	(5.79)	0.13	(5.91)
Depreciation	48.17	45.80	2.37	-	2.37
Interest on loans	38.99	36.02	2.97	-	2.97
Interest on SD	18.85	17.46	1.38	-	1.38
Interest on working capital	-	1.94	(1.94)	-	(1.94)
RoE	76.49	74.96	1.52	-	1.52
Bad debts written off	0.36	0.31	0.05	0.05	-
Contingency reserve	0.40	0.40	-	-	-
Income Tax	-	20.44	(20.44)	-	(20.44)
Less: Non-tariff income	26.64	47.34	(20.70)	(0.01)	(20.69)
ARR	1,823.41	2,157.65	(334.24)	20.72	(354.96)

4.8 The variation in the power purchase expenditure is mainly due to increase in power procurement cost. Any variation on account of power procurement cost is treated as uncontrollable. But at the same time, the Petitioner, in Surat supply area, has made efforts to reduce distribution losses. The reduction in distribution losses has resulted in reducing the energy requirement, which in turn has reduced the cost of power purchase. Accordingly, the reduction in power procurement cost due to lower distribution loss is a controllable factor. The Petitioner would like to state that the MYT approved distribution loss levels were revised by the Hon'ble Commission in Mid-Term Review order in Case No. 1367 of 2013 dated 29th April, 2014. The Petitioner had filed an appeal against the said order vide Appeal No. 149 of 2014. The Hon'ble Tribunal in its judgement dated 16th February, 2015 has allowed the appeal in respect of distribution loss trajectory. Hence, for the purpose of calculation of gains on account of reduction in distribution loss, the loss level approved by the Hon'ble Commission in Case No. 1092 of 2011 vide order dated 6th Sept, 2011 has been considered as base level by the Petitioner. The calculation of gains on account of reduction in distribution loss is quantified as per the table below.

Table 27: Gains due to reduction in energy requirement of Surat Supply Area due to reduction in distribution loss

Particulars	UOM		Actual
Actual Energy purchased at distribution level	MU	(a)	3,449.46
Energy Sales	MU	(b)	3,308.27
Wheeling Energy - OA/RE	MU	(c)	36.37
Total wheeled units	MU	(d) = (b)+(c)	3,344.64
Approved Distribution Loss	%	(e)	5.15%
Energy required at distribution level at approved loss	MU	(f) = (d)/(1-(e))	3,526.24
Difference	MU	(g) = (f)-((a)+(c))	40.41
Units recovered as loss	MU	(h)	1.83
Reduction in Energy Requirement	MU	(i) = (g)-(h)	38.58
Average PPC	Rs./kWh	(j)	5.32
Savings	Rs. Crores	(k) = (i)*(j)/10	20.53

4.9 Regarding the variation in O&M expenses, the Petitioner has considered the entire variation as controllable though it includes certain variations which are uncontrollable in nature as explained in Truing up Section.

- 4.10 The variation in ROE, Interest expenses, depreciation on account of variation in capitalization and interest rates has been treated as uncontrollable. Similarly, the variation in non-tariff income has been treated as uncontrollable; whereas variation in bad debts income & expenses has been treated as controllable.
- 4.11 The variation in Interest on working capital is treated uncontrollable as the variation in the interest expenses is on account of variation in the working capital requirement and the interest rate. The variation in the working capital requirement is mainly due to variation in receivables which is uncontrollable. The variation in interest rate applicable for working capital requirement is also uncontrollable. Similarly, the variation in Interest on Security Deposit is on account of variation in interest rate and security deposit amount. Accordingly, the variations in the interest on working capital requirement and interest on security deposit have been treated as uncontrollable.
- 4.12 The Petitioner submits that any variation on account of uncontrollable factor is a part of the gap/ (surplus) identified for the year and is passed on to the consumer through adjustment in tariff as per the Regulation 24 of the GERC (MYT Framework) Regulations, 2011. However in case of variation due to controllable factors, the gains and losses have to be dealt with as per Regulation 25.
- 4.13 Based on the above, the sharing of gains and losses due to controllable factors is summarised below.

Table 28: Sharing of gains and losses in Surat Supply Area for FY 2014-15

All Figures in Rs. Crores	Pass through by adjustment in tariff	To be retained/ absorbed	Total
Controllable Gain	6.90	13.81	20.71
Controllable Loss	0.0022	0.0043	0.01
Total	6.91	13.81	20.72

- 4.14 Out of total net gain of Rs. 20.72 Crores, the benefit of Rs. 6.91 Crores is to be passed through to the consumers. The balance Rs. 13.81 Crores is to be retained by the Petitioner as per the regulations detailed above. These needs to be added to the gap/ (surplus) and the same would be collected from tariff.
- 4.15 The following is the summary of trued-up ARR to be recovered by the Petitioner in Surat Supply area after inclusion of sharing of gains/losses.

Table 29: Trued-up ARR incl. Gains/losses for Surat Supply Area for FY 2014-15

All Figures in Rs. Crores		
ARR as per MYT	(a)	1,823.41
Gains/(Losses) due to Uncontrollable Factors	(b)	(354.96)
Gains/(Losses) due to Controllable Factors	(c)	20.72
Pass through as tariff	d= -(1/3rd of c+ b)	348.06
Trued -up ARR	e=a+d	2,171.47

Implementation of APTEL judgements

- 4.16 The Petitioner would like to state that the treatment of revenue towards recovery of earlier years' approved Gap/ (Surplus) has been considered in line with the Hon'ble Tribunal's judgement dated 6th May, 2015 in Appeal No. 150 & 151 of 2015. The Hon'ble Commission has issued the implementation order dated 5th June, 2015 in this regards. The same works out to Rs. 163.36 Crores as per the Hon'ble Commission's orders dated 2nd Jun-12 and 29th Apr-14 for TPL-D (S).
- 4.17 The Hon'ble Tribunal's judgement has also resulted in revised treatment for bad debts for FY 12-13. The Petitioner has considered Rs. (-) 0.30 Crores due to revised treatment of Bad Debts for FY 12-13 in the recovery of earlier years' approved Gap/ (Surplus) for TPL-D (S).
- 4.18 The Hon'ble Tribunal has issued the judgement in Appeal No. 190 of 2011 and 162 & 163 of 2012 vide order dated 28th Nov, 2013. The Hon'ble Commission has issued the implementation order dated 18th July, 2014 in this regards.
- 4.19 The Hon'ble Tribunal's judgement resulted in revised O&M expenses for FY 11-12 and FY 12-13 for TPL. The Petitioner has considered Rs. 1.37 Crores due to revision in O&M expenses for FY 12-13 in the recovery of earlier years' approved Gap/ (Surplus) for TPL-D (S).
- 4.20 Further to the above, the impact of revised O&M expenses of TPL-G (APP) has been segregated between TPL-D (A) and TPL-D (S) based on the approved power purchase cost. This has resulted into an additional impact of Rs. 1.51 Crores for TPL-D (S) for FY 12-13. The same has also been considered in the recovery of earlier years' approved Gap/ (Surplus) for TPL-D (S).

- 4.21 Recently the Hon'ble Tribunal has issued the judgement dated 11th Dec-2015 in Appeal No. 145 of 2015. Accordingly, the Petitioner has considered the gap of Rs. 57.17 Crores in the recovery of earlier years' approved Gap/ (Surplus) for TPL-D (S).
- 4.22 Based on the above, the gap/ (surplus) for FY 2014-15 is arrived at by equating the trued-up ARR with the revenue from sale of power after adjusting against earlier years' trued-up Gap/ (Surplus). The summary of the gap/ (surplus) for Surat Supply area for FY 2014-15 is shown in the table below.

Table 30: Revenue Gap/ (Surplus) for Surat Supply Area for FY 2014-15

All figures in Rs. Crores	Actual
Trued-up ARR	2,171.47
Revenue from Sale of Energy	2,205.68
Less: Revenue towards recovery of Earlier Years' approved Gap/(Surplus)	223.11
Balance Revenue	1,982.58
Gap/ (Surplus)	188.89

- 4.23 The Petitioner requests the Hon'ble Commission to approve the ARR & revenue gap/ (surplus) as per the computation provided hereinabove and proposes to recover this gap/ (surplus) from the consumers as detailed in Chapter 7.

Chapter 5: ARR for FY 2016-17

Background

- 5.1 The GERC (MYT) Regulations, 2011 defines control period at Regulations 2 (19) by stipulating it to be from 1st April, 2011 to 31st March 2016 and for every block of five years thereafter.
- 5.2 The Hon'ble Commission will notify the MYT regulations for the next control period. Before notifying the new MYT Regulations, the Hon'ble Commission will issue draft Amendment/Regulations for inviting comments/ suggestions from all the Stakeholders. Based on the comments/ suggestions, the Hon'ble Commission will finalize the MYT Regulations applicable for the new MYT Control Period to be laid before the legislation before its notification.
- 5.3 In Compliance to order dated 2nd December, 2015 in Suo-Motu Petition No. 1534/2015 the Petitioner has considered ARR items for FY 16-17 as per the approved ARR of FY 15-16 provisionally till the approval of the ARR for the entire control period. As clarified in the suo-motu order, the true-up of FY 16-17 is to be carried w.r.t approved ARR for FY 16-17.

Table 31: ARR for Surat Supply Area for FY 2016-17

All Figures in Rs. Crores	
Power Purchase	1,660.02
O&M expenses	105.49
Depreciation	50.27
Interest on loans	35.44
Interest on SD	20.73
Interest on working capital	-
Bad debts	0.36
Contingency reserve	0.40
RoE	80.29
Income Tax	-
Less: Non-tariff income	26.64
ARR	1,926.36

Revenue Gap/ (Surplus) for FY 2016-17

5.4 The ARR for FY 2016-17 is Rs. 1,926.36 Crores and the revenue from sale of power at existing tariffs is Rs. 2,029.73 Crores. The revenue from sale of power is from sale of power at the existing tariff rates. Accordingly, the gap/(surplus) is estimated for FY 2016-17 as below:

Table 32: Gap/ (Surplus) of Surat Supply Area for FY 2016-17

All Figures in Rs. Crores	
ARR	1,926.36
Less:	
Revenue from sale of power at existing tariff rates including FPPPA revenue @1.23 per unit	2,029.73
Gap/ (Surplus)	(103.37)

Chapter 6: Wheeling and Retail supply business for FY 2016-17

- 6.1 Regulation 81.1 of GERC (Multi Year Tariff) Regulations, 2011 stipulates that the ARR be segregated as per the allocation matrix for segregation of expenses between Distribution Wires Business and Retail Supply Business for determination of wheeling charges.
- 6.2 The allocation of expenditure to wheeling and retail supply business is based on the consideration that the distribution infrastructure up to the service line is part of the wheeling business and the distribution infrastructure from service line to consumer premises is part of the retail supply business.
- 6.3 The allocation matrix as specified by the Hon'ble Commission for segregation of expenses between wheeling & retail supply business is as under:-

Table 33: Allocation Matrix for Segregation to Wheeling & Retail Supply for Surat Supply Area

ARR Components	Wires Business (%)	Retail Business (%)
Power Purchase Expenses	0%	100%
Employee Expenses	60%	40%
Administration & General Expenses	50%	50%
Repair & Maintenance Expenses	90%	10%
Depreciation	90%	10%
Interest on Long Term Loan Capital	90%	10%
Interest on Working Capital and Consumer Security Deposit	10%	90%
Bad Debts	0%	100%
Income Tax	90%	10%
Contingency reserves	100%	0%
Return on Equity	90%	10%
Non-Tariff Income	10%	90%

- 6.4 Based on the above allocation matrix, the revised ARR of Surat Supply Area has been segregated into ARR for wheeling and supply business as shown in tables below.

Table 34: ARR for Wheeling Business of Surat Supply Area for FY 2016-17

All Figures in Rs. Crores	
Power Purchase	-
Employee Expenses	26.83
Administration & General Expenses	14.76
Repair & Maintenance Expenses	28.14
Depreciation	45.24
Interest on Loan	31.90
Interest on Security Deposit	2.07
Interest on Working Capital	-
Bad debts	-
Contingency Reserve	0.40
Income Tax	-
Total Revenue Expenditure	149.34
Return on Equity	72.26
Less: Non-Tariff Income	2.66
Aggregate Revenue Requirement	218.93

Table 35: ARR for Retail Supply Business of Surat Supply Area for FY 2016-17

All Figures in Rs. Crores	
Power Purchase	1,660.02
Employee Expenses	17.88
Administration & General Expenses	14.76
Repair & Maintenance Expenses	3.13
Depreciation	5.03
Interest on Loan	3.54
Interest on Security Deposit	18.66
Interest on Working Capital	-
Bad debts	0.36
Contingency Reserve	-
Income Tax	-
Total Revenue Expenditure	1,723.38
Return on Equity	8.03
Less: Non-Tariff Income	23.98
Aggregate Revenue Requirement	1,707.43

6.5 The above segregated ARR is being considered to determine the wheeling charges and cross-subsidy charges for FY 2016-17.

Chapter 7: Gap/ (Surplus) Analysis

7.1 The revenue for FY 2016-17 is arrived at considering sales approved in the Mid Term Review Order for FY 15-16 by applying the existing tariff including base FPPPA of Rs. 1.23 per unit. Accordingly, the estimated revenue for FY 2016-17 works out to Rs. 2,029.73 Crores. The ARR for Surat Supply Area is Rs. 1,926.36 Crores. Accordingly, the Petitioner has arrived at the Surplus of Rs. 103.37 Crores.

**Table 36: Revenue Gap/ (Surplus) for determination of tariff of
Surat Supply Area for FY 2016-17**

All Figures in Rs. Crores	
ARR	1,926.36
Less:	
Revenue from sale of power at existing tariff rates including FPPPA revenue @1.23 per unit	2,029.73
Gap/ (Surplus)	(103.37)

Carrying Cost

7.2 As per the Hon'ble Commission's order dated 3rd June, 2015 in Case No. 1453/2014, the Petitioner has computed the carrying cost for the outstanding recoveries of earlier periods.

7.3 The Petitioner has arrived at carrying cost of Rs. 30.18 Crores for the Gap/ (Surplus) of FY 14-15 for TPL-D (S). Also, the Petitioner has calculated the carrying cost for FY 08-09 to FY 12-13 after incorporating adjustments subsequent to orders/judgments of the Hon'ble Commission and the Hon'ble Tribunal in the respective years' Gap/ (Surplus). This has resulted in a further claim of Rs. 0.57 Crores for TPL-D (S) over and above the carrying cost approved by the Hon'ble Commission for the said corresponding years.

7.4 Accordingly, the Petitioner requests the Hon'ble Commission to consider the total carrying cost of Rs. 30.74 Crores for TPL-D (S) in the gap/ (surplus) as per the approved numbers.

Order on Clarification/ Rectification Petition

7.5 Further, the Hon'ble Tribunal issued judgement in Appeal Nos. 190 of 2011 and 162 & 163 of 2012 dated 28th November, 2013. The Hon'ble Commission then issued its order dated 18th July, 2014 for implementation of this judgement. Subsequently, the Petitioner had filed a clarificatory petition against the above order of the Hon'ble Commission. The Hon'ble Commission has passed the order dated 3rd June, 2015 on the said clarificatory petition. The impact determined by the Hon'ble Commission by that order has been bifurcated between both the license areas based on their respective Gap/(Surplus) approved by the Hon'ble Commission. Accordingly, the Petitioner requests the Hon'ble Commission to consider Rs. 62.47 Crores for TPL-D (S) in the gap/ (surplus) as per the approved numbers.

7.6 Therefore, the cumulative gap/ (surplus) for TPL-D (S) works out as under.

Table 37: Cumulative Revenue Gap/ (Surplus) for determination of tariff of Surat Supply Area for FY 2016-17

All Figures in Rs. Crores	
Gap/ (Surplus) of FY 2014-15	188.89
Clarification/ Rectification Order	62.47
Carrying Cost	30.74
Gap/ (Surplus) of FY 2016-17	(103.37)
Cumulative Gap/ (Surplus) to be recovered through tariff	178.73

7.7 Based on above, the Petitioner proposes the recovery of this cumulative gap in the subsequent section for the approval of the Hon'ble Commission.

Chapter 8: Tariff Proposal for FY 2016-17

Background:

8.1 The Petitioner has computed the cumulative gap/ (surplus) for FY 2014-15, FY 2016-17 and carrying cost as detailed in the earlier chapters. Accordingly, the Petitioner submits its proposal to recover this cumulative gap/ (surplus) by way of Regulatory Charge during the FY 2016-17.

Tariff Philosophy:

8.2 The Petitioner submits that the Hon'ble Commission has approved the existing tariff structure based on widely recognized best practices in accordance with the legal framework as detailed hereunder:

- A. Consumers' capacity to pay
- B. Correct recovery of fixed charges which is depictive of the fixed costs
- C. Adhering to the band of cross subsidy prescribed by Tariff Policy
- D. Incentivising energy conservation through telescopic tariff
- E. Demand Side Management by shifting of consumption from peak hours to off-peak hours
- F. Promotion of efficient use of electricity

Determination of Retail Tariff

8.3 The Petitioner does not propose any change in tariff rates of existing tariff categories. However, the Petitioner proposes to recover this cumulative gap of Rs. 178.73 Crores through Regulatory Charge effective from 1st April, 2016 till the time such cumulative gap gets recovered instead of seeking tariff increase. The Petitioner submits that it anticipates that even with the introduction of said Regulatory Charge, there will not be any increase in electricity bills of the consumers as the Petitioner foresees reduction in its power purchase cost primarily due to Gol's appreciable initiative on utilization of gas based power plants. Consequently, there will be reduction in FPPPA charges to be billed to the consumers. In support of its contention, the Petitioner proposes, without forming a precedent, to cap the recovery of FPPPA plus Regulatory Charge at Rs. 1.93 per unit with effect from 1st

April, 2016 as against the existing FPPPA recovery of Rs. 1.98 per unit. Under this proposal, the Petitioner would recover the Regulatory Charge as per the following formula:

Regulatory Charge per unit = (Rs. 1.93 per unit) less (Actual FPPPA for the quarter including Base FPPPA per unit).

For e.g. If actual FPPPA(including base FPPPA) for a given quarter works out to Rs. 1.73 per unit; then the Regulatory Charge that will be recovered corresponding to the said quarter will be :

Regulatory Charge = (Rs. 1.93 per unit) less (Rs. 1.73 per unit)
= Rs. 0.20 per unit.

- 8.4 The Petitioner will recover the Regulatory Charge till such time the aforesaid gap is recovered. This proposal will ensure a minimum reduction of at least 5 paise per unit to the consumers from their current level of billing with a possibility of further reduction if fuel prices reduce even more in FY 2016-17 and hence is the interest of all stakeholders. The Petitioner would like to further clarify that any variation in recovery of the said gap shall be dealt with during Truing up exercise for FY 2016-17.
- 8.5 The existing tariff schedule for Ahmedabad/Gandhinagar supply area is attached as **Annexure 1** without any tariff increase except the inclusion of Regulatory Charge. It is therefore submitted that this proposal of Regulatory Charge is a methodology to avoid any abrupt variation and to address the gap of Rs. 178.73 Crores as an alternative to seeking tariff increase. The Petitioner submits that, if for any reason, the Hon'ble Commission does not allow the recovery of gap by way of Regulatory Charge w.e.f. 1st April, 2016, the tariff rates need to be appropriately adjusted to allow the Petitioner to recover the cumulative gap of Rs. 178.73 Crores during the year.

Determination of Wheeling Charges

- 8.6 GERC (Multi Year Tariff) Regulations, 2011 stipulate that the wheeling charges shall be determined based on the ARR allocated to the wheeling business.
- 8.7 The Petitioner, in this petition, has computed the wheeling tariff based on the allocation of ARR of distribution business, in accordance with the GERC (Multi Year Tariff) Regulations, 2011.

- 8.8 Distribution wires are identified as carrier of electricity from generating station or transmission network to consumer point. The consumption at a particular voltage level requires network at that voltage level and also at all higher voltage levels. Thus consumption at the lower voltages should contribute to the cost of the higher voltage levels also. However, the consumers connected to the higher voltages would not be utilizing the services of the lower voltage level and hence would not be required to contribute to the recovery of cost of lower voltage level.
- 8.9 Based on the approach discussed above, the ARR for the wheeling business is apportioned to the HT and LT voltage in two steps as described below:
- a) Apportioning the ARR of wheeling business to HT and LT voltage level;
 - b) Apportioning the ARR of the HT voltage level again between HT and LT voltage level.
- 8.10 The ARR is apportioned between the HT and LT Voltage level in proportion to the ratio of the Closing GFA of FY 2014-15.
- 8.11 The GFA (excluding assets related to retail supply i.e. SLC and Meters) for Surat Supply Areas as on 31st March, 2015 is Rs 1,234.74 Crores. In case of Surat Supply Area, the GFA identified for HT & LT business are Rs. 914.82 Crores & Rs. 319.91 Crores, respectively. The ratio of HT assets to LT assets is 74:26, which is considered for the apportionment of ARR for the wheeling business into HT and LT businesses.
- 8.12 Further as the HT level assets cater to the requirement of customers at both HT and LT levels, the ARR for HT is again apportioned between HT and LT voltage based on their ratio of contribution to the peak.
- 8.13 The system peak demand for Surat Supply Area for the year FY 2014-15 was 629 MW. In case of Surat Supply Area, the contract demand for all the HT consumers is about 95 MW. Assuming that 85% of the contact demand of HT consumers contributes to the system peak demand, the total demand of LT contributing to the system peak is computed as 548.37 MW.
- 8.14 To determine the wheeling charges for the HT & LT voltage levels, the ARR of the respective voltage level is divided by the peak demand of the respective voltage level. Accordingly, the wheeling charge determined in terms of Rs/ kW/ Month has been tabulated below:

Table 38: Wheeling charges in cash of Surat Supply Area for FY 2016-17

Particulars	
First Level Segregation of ARR (in Rs. Crores)	
HT Voltage	162.21
LT Voltage	56.72
Total	218.93
Second Level Segregation of ARR (in Rs. Crores)	
HT Voltage	20.79
LT Voltage	198.14
Total	218.93
Wheeling Charge in Rs/ kW/ month	
HT Voltage	214.90
LT Voltage	301.10
Wheeling Charge in Rs/ kWh	
HT Voltage	0.72
LT Voltage	0.67

- 8.15 The Petitioner further states that an open access consumer will also have to bear the following wheeling losses in addition to the wheeling charges.

Table 39: Wheeling charges in kind of Surat Supply Area for FY 2016-17

Category	In %
HT Category	4.00%
LT Category	5.15%

Determination of Cross-Subsidy Surcharge

- 8.16 The Petitioner has detailed the computation of Cross Subsidy Charge in the following table:

Table 40: Cross-subsidy surcharge for Surat Supply Area

Particulars	HTMD-1	HTMD-2
T – Tariff for HT category in Rs/kWh	6.98	6.85
PPC –Average cost of power Purchase in Rs/kWh	4.84	4.84
L – Loss for HT category in %	4.00%	4.00%
D –Wheeling charges for HT category in Rs/kWh	0.72	0.72
Cross subsidy Surcharge in Rs/kWh	1.23	1.11

- 8.17 The Petitioner also requests the Hon'ble Commission to allow the addition of Regulatory Charge to cross subsidy surcharge for open access consumers as it proposes to recover the gap by way of Regulatory Charge instead of increase in tariff.
- 8.18 The Petitioner submits that cross-subsidy in the existing tariff structure might work out to lower rate by computing the cross-subsidy surcharge as per the formula specified in the Tariff Policy. The Petitioner submits that the formula given in Tariff Policy is only indicative and the Hon'ble Commission should use its discretion in calculating cross subsidy surcharge considering the ground realities. Therefore, the Petitioner requests the Hon'ble Commission to give due considerations to the principles enunciated in the Tariff Policy read with the provisions of the Act while computing the Cross Subsidy Surcharge. The principles laid out in the Tariff Policy amply clarify to compensate the distribution licensee for the existing level of cross-subsidization. The Petitioner has considered the Pooled Power Purchase cost instead of top 5% to achieve the appropriate cross subsidy surcharge.

Determination of Additional Surcharges

- 8.19 As per the regulation 25 of GERC (Terms & Conditions of Intra-State Open Access) Regulations, 2011, the OA consumer will also be required to pay an additional surcharge as per section 42 (4) of the EA 2003.

Chapter 9: Compliance of Directives

9.1 The Hon'ble Commission has issued directive to the Petitioner in its order dated 31st March, 2015 in Case No. 1468/2014. The status on compliance of the directive issued by the Hon'ble Commission is provided as under.

9.2 **EARLIER DIRECTIVES:**

TPL-D shall continue the efforts to enter in to agreements for purchase of renewable energy to meet the RPO obligation.

In compliance to the directive, TPL-D is making all efforts to enter into agreement to meet the RPO obligation. The Petitioner has signed PPA with Torrent SolarGen Limited for purchase of power to be generated by 51 MWp solar photovoltaic grid interactive power plant. The project has been commissioned in March, 2015. It has published advertisements in the newspapers for supply of power from the renewable energy sources on 7th April, 2014 in the leading newspapers in Gujarat and in India covering major cities both at state and national level. The Petitioner will continue to make its efforts to sign PPAs to meet its RPO.

Chapter 10: Prayers

10.1 The present application is being filed for true up of FY 2014-15 and determination of tariff for FY 2016-17. In view of facts and circumstances, the Petitioner prays to the Hon'ble Commission that it may be pleased to:

- a) Admit the petition for true up of FY 2014-15 and determination of tariff for FY 2016-17.
- b) Approve the trued up Gap/ (Surplus) of FY 2014-15.
- c) Approve the sharing of gains/ losses as proposed by the Petitioner for FY 2014-15.
- d) Approve the cumulative Gap/ (Surplus).
- e) Approve the wheeling ARR and corresponding charges for wheeling of electricity with effect from 1st April, 2016.
- f) Approve the recovery through retail tariff and Regulatory Charge for FY 2016-17.
- g) Allow recovery of the costs as per the Judgments of the Hon'ble Tribunal on the Appeals filed by the Petitioner.
- h) Allow additions/ alterations/ changes/ modifications to the application at a future date.
- i) Permit the Petitioner to file all necessary pleading and documents in the proceeding and documents from time to time for effective consideration of the proceeding.
- j) Allow any other relief, order or direction which the Hon'ble Commission deems fit to be issued.
- k) Condone any inadvertent omissions/ errors/ rounding off difference/ shortcomings.

Declaration that the subject matter of above 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 orders in relation thereto.

Place: Ahmedabad

Date: December , 2015

Authorised Signatory

**BEFORE THE HON'BLE GUJARAT ELECTRICITY REGULATORY
COMMISSION AT GANDHINAGAR**

Filing No. _____

Case No. _____

IN THE MATTER OF

Filing of Petition under Section 62 and 64 of the Electricity Act, 2003 read with GERC (Multi Year Tariff) Regulations, 2011 for truing up of FY 2014-15 and determination of tariff for FY 2016-17 for its Distribution business of Surat Supply Area

AND

IN THE MATTER OF

Torrent Power Limited
Torrent House, Off Ashram Road,
Ahmedabad – 380 009

.....**PETITIONER**

AFFIDAVIT

I, Chetan Bundela, son of Shri Manharlal Bundela, aged about 44 years, working as Vice President of Torrent Power Limited, the Petitioner, having office at Torrent House, Off Ashram Road, Surat – 380 009 do solemnly affirm and state on oath as under:

1. That I am duly authorized by the Petitioner Company to swear this Affidavit.

2. That the facts stated in the Petition are based on record and files of the Petitioner Company and they are true and correct to my knowledge, information and belief and I believe the same to be true.

Solemnly affirmed at Ahmedabad on this ____ day of December, 2015

(DEPONENT)

Annexure-1: Proposed Tariff Schedule

FOR SURAT SUPPLY AREA OF TORRENT POWER LIMITED

TARIFF FOR DISTRIBUTION AND SUPPLY OF ELECTRICITY AT LOW TENSION, HIGH TENSION AND EXTRA HIGH TENSION

EFFECTIVE FROM: 1st April, 2016

GENERAL CONDITIONS

1. This tariff schedule is applicable to all the consumers of TPL in Surat area
2. All these tariffs for power supply are applicable to only one point of supply.
3. Meter charges shall be applicable as prescribed under GERC (Licensee's power to recover expenditure incurred in providing supply and other miscellaneous charges) Regulation, 2005 as in force from time to time.
4. Except in cases where the supply is used for purposes for which a lower tariff is provided in the tariff schedule, the power supplied to any consumer shall be utilized only for the purpose for which supply is taken and as provided for in the tariff.
5. The charges specified in the tariff are on monthly basis, TPL may decide the period of billing and adjust the rates accordingly.
6. The various provisions of the GERC (Licensee's power to recover expenditure incurred in providing supply and other miscellaneous charges) Regulations will continue to apply.
7. Conversion of Ratings of electrical appliances and equipments from kilowatt to B.H.P. or vice versa will be done, when necessary, at the rate of 0.746 kilowatt equal to 1 B.H.P.
8. The billing of fixed charges based on contracted load or maximum demand shall be done in multiples of 0.5 (one half) Horse Power, kilo -Watt, kilo- Volt -Ampere (HP, kW, kVA), as the case may be. The fraction of less than 0.5 shall be rounded to next 0.5. The billing of energy charges will be done on complete 1.0 (one) kilo-watt-hour (kWh) or kilo-volt-ampere-hour (kVAh) or kilo-volt-ampere-reactive hour (kVArh), as the case may be.

9. Contract Demand shall mean the maximum kW or kVA for the supply of which TPL undertakes to provide facilities to the consumer from time to time.
10. Maximum Demand in a month means the highest value of average kVA or kW as the case may be, delivered at the point of supply of the consumer during any consecutive 15/30 minutes in the said month.
11. TPL may install KWh and kVArh meter for ascertaining power factor, reactive units and KWh units.
12. Payment of penal charges for usage in excess of contract demand/load for any billing period does not entitle the consumer to draw in excess of contract demand/load as a matter of right.
13. The fixed charges, minimum charges, demand charges, meter rent and the slabs of consumption of energy for energy charges mentioned shall not be subject to any adjustment on account of existence of any broken period within billing period arising from consumer supply being connected or disconnected any time within the duration of billing period for any reason.
14. ToU charges wherever applicable unless otherwise notified shall be levied for the energy consumption during the period between 07.00 hours and 11.00 hours and between 18.00 hours and 22.00 hours termed as PEAK HOURS. Night hours concession wherever applicable will be given for the energy consumption during the period between 22.00 hours and 06.00 hours next day, termed as 'OFF PEAK HOURS'.
15. Fuel Price and Power Purchase Adjustment (FPPPA) charges shall be applicable in accordance with the formula approved by the Gujarat Electricity Regulatory Commission from time to time.
16. Regulatory charge shall be applicable as approved by the Gujarat Electricity Regulatory Commission.
17. Delayed Payment Charges
 - a. No delayed payment charges will be levied if the bill is paid on or before due date indicated in the bill.
 - b. Delayed payment charges, if the bill is paid after due date, will be levied at the rate of 15% per annum (computed on daily basis) on the outstanding bill from the due date till the date of payment.

18. Statutory Levies: These tariffs are exclusive of Electricity Duty, Tax on Sales of Electricity, Taxes and other Charges levied/may be levied or such other taxes as may be levied by the Government or other Competent Authorities on bulk/retail supplies from time to time.
19. The payment of power factor penalty does not exempt the consumer from taking steps to improve the power factor to the levels specified in the Regulations notified under the Electricity Act-2003 and TPL shall be entitled to take any other action deemed necessary and authorized under the Act.

PART- I
RATE SCHEDULE – LOW/ MEDIUM TENSION
230/400 VOLTS

1. RATE: RGP

This tariff is applicable for supply of electricity to residential premises:

Single phase supply – Aggregate load up to 6 kW

Three phase supply - Aggregate load above 6 kW

1.1. FIXED CHARGES

For other than BPL consumers

(a)	Single Phase Supply	Rs. 25 per installation per month
(b)	Three Phase Supply	Rs. 65 per installation per month

For BPL household consumers*

(a)	Fixed charges	Rs. 5.00 per installation per month
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1.2. ENERGY CHARGES

For other than BPL consumers

(i)	First 50 units during the month	320 Paise/Unit
(ii)	Next 50 units during the month	365 Paise/Unit
(iii)	Next 100 units during the month	425 Paise/Unit
(iv)	Next 50 units during the month	435 Paise/Unit
(v)	Above 250 units during the month	505 Paise/unit

For BPL household consumers*

(i)	First 30 units consumed per month	150 Paise/Unit
(ii)	For remaining units consumed per month	Rate as per Residential

**The consumer who wants to avail the benefit of the above tariff has to produce a copy of the Card issued by the authority concerned at the zonal office of the Distribution Licensee. The concessional tariff is only for 30 units per month.*

2. RATE: GLP

This tariff will be applicable for use of energy for lights, fans, heating, general load and motive power in premises

- i. Crematoriums and Government and Municipal Hospitals.
- ii. Charitable Institutions like hospital, dispensary, educational and Research Institute and Hostel attached to such Institution, religious premises exclusively used for worship or community prayers, registered with Charity Commissioner and specifically exempted from levy of general tax under section 2 (13) of Bombay Trust Act, 1950 read with section 9 of The Income Tax Act, 1961.
- iii. Public Street lights, gardens and conveniences.
- iv. Water works and sewerage pumping services operated by Municipal Corporations.

Note: Halls or gardens or any portion of the above premises let out for consideration or used for commercial activities at any time shall be charged at Non-RGP tariff.

Single-phase supply- Aggregate load up to 6kW

Three-phase supply- Aggregate load above 6kW

2.1. FIXED CHARGES

Fixed Charges	Rs. 55.00 per installation per month
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PLUS

2.2. ENERGY CHARGES

Energy Charges	405 Paise/Unit
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3. RATE: NON-RGP

This Tariff is applicable for supply of electricity to premises which are not covered in any other LT tariff categories, up to and including 15 kW of connected load.

3.1. FIXED CHARGES

(a)	First 10 kW	Rs. 70 per kW per month
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(b)	Next 5 kW	Rs. 90 per kW per month
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PLUS

3.2. ENERGY CHARGES

For installations having connected load up to 10 kW	435 Paise/Unit
For installations having connected load above 10 kW and up to 15 kW	455 Paise/Unit

4. RATE: LTMD

This tariff is applicable for supply of electricity to premises which are not covered in any other LT tariff categories, having connected load above 15 kW.

4.1. DEMAND CHARGES

(a)	Up to 20 kVA of Billing Demand	Rs. 115 per kVA/month
(b)	Above 20 kVA and up to 60 kVA Billing Demand	Rs. 155 per kVA/month
(c)	Above 60 kVA of Billing Demand	Rs. 225 per kVA/month
(d)	In Excess of Contract Demand	Rs. 250 per kVA/month

NOTE: Billing Demand during the month shall be highest of the following:

- i. Maximum Demand recorded during the month
- ii. 85% of the Contract Demand
- iii. 6 kVA

PLUS

4.2. ENERGY CHARGES

Energy Charges	485 Paise/unit
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PLUS

4.3. REACTIVE ENERGY CHARGES (KVARH units)

For installations having contracted load of 40 kVA and above

For all reactive units drawn during the month	10 paise/kVARh
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5. RATE: TMP

Applicable to installations for temporary requirement of electricity supply

5.1. FIXED CHARGES

Fixed Charge per Installation	Rs. 25 per kW per Day
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5.2. ENERGY CHARGES

A flat rate of	500 Paise per Unit
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6. RATE: AGP

This tariff is applicable to motive power services used for irrigation purposes. The rates for following group are as under

6.1. FIXED CHARGES

Minimum Charge per BHP of Connected Load	Rs. 20.00 per HP per Month
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PLUS

6.2. ENERGY CHARGES

A flat rate of	60 Paise/Unit
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NOTE:

- i. The agricultural consumers shall be permitted to utilize one bulb or CFL up to 40 watts in the pump house without recovering any charges. Any further extension or addition of load will amount to unauthorized extension.
- ii. No machinery other than pump for irrigation will be permitted under this tariff

PART- II
RATE SCHEDULE FOR SERVICE AT HIGH TENSION

1. RATE: HTMD - 1

This tariff shall be applicable for supply of energy to consumers at 3.3 KV and above for contracting the demand of 100 KVA and above for purposes other than pumping stations run by Local Authorities.

1.1. DEMAND CHARGES

A. For Billing Demand up to Contract Demand

(a)	First 500 KVA of billing demand	Rs. 170 Per KVA
(b)	Above 500 KVA	Rs. 285 Per KVA

B. For Billing Demand in excess over Contract Demand

For Billing Demand in excess over Contract Demand	Rs. 395 Per KVA
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NOTE: BILLING DEMAND: Billing demand shall be the highest of the following

- i. The Maximum Demand established during the month
- ii. 85% of the Contract Demand, and
- iii. 100 KVA

PLUS

1.2. ENERGY CHARGES

(a)	First 400 units per kVA billing demand per month	480 Paise/unit
(b)	Remaining units consumed per month	470 Paise/unit

PLUS

1.3. TIME OF USE (TOU) CHARGE

For energy Consumption during the two peak periods, Viz., 0700 Hrs. to 1100 Hrs. and 1800 Hrs. to 2200 Hrs.-	
For Billing Demand up to 500 KVA	65 Paise per unit
For Billing Demand above 500 KVA	100 Paise per unit

PLUS

1.4. POWER FACTOR ADJUSTMENT CHARGE

a) Power Factor Adjustment Charges: -

- The power factor adjustment charges shall be levied at the rate of 1% on the total amount of electricity bills for the month under the head "Energy Charges" for every 1% drop or part thereof in the average power factor during the month below 90% up to 85 %.
- In addition to the above clause, for every 1% drop or part thereof in average power factor during the month below 85% at the rate of 2% on the total amount of electricity bill for that month under the head "Energy Charges", will be charged.

b) Power Factor Adjustment Rebate: -

- If the average power factor of the consumer's installation in any month is above 95%, the consumer will be entitled to a rebate at the rate of 1% in excess of 95% power factor on the total amount of electricity bill for that month under the head "Energy Charges", for every 1% rise or part thereof in the average power factor during the month above 95%.

PLUS

1.5. NIGHT TIME CONCESSION:

The energy consumed during night hours between 22.00 hours and 06.00 hours next day (recorded by the tariff meter operated through time switch or built in feature of time segments, if incorporated) as is in excess of one third of total energy consumed during the month, shall be eligible for concession of 60 Paise per KWH. The meter and time switch shall be procured and installed by consumer at his cost, if required by TPL-Surat. In such case, TPL-Surat will seal the metering equipment.

PLUS

1.6. REBATE FOR SUPPLY AT EHV

Sr. No.	On Energy Charges	Rebate @
(a)	If supply is availed at 33/66 kV	0.5%
(b)	If supply is availed at 132 kV and above	1.0%

2. RATE: HTMD – 2

This tariff shall be applicable for supply of energy at 3.3 kV and above and contracting for demand of 100 kVA and above for Water Works and Pumping Stations run by local authorities.

2.1. DEMAND CHARGES

For Billing Demand up to Contract Demand

(A)	First 500 kVA of Billing Demand	Rs. 140 per kVA per month
(B)	Above 500 kVA of Billing Demand	Rs. 225 per kVA per month

For Billing Demand in excess of contract Demand

For billing demand in excess over contract demand	Rs. 360 per kVA per month
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NOTE: **BILLING DEMAND:** Billing Demand shall be the highest of the following:

- i. Actual maximum demand established during the month
- ii. 85% of the Contract Demand, and
- iii. 100 KVA

PLUS

2.2. ENERGY CHARGES

(i)	For first 400 units per KVA billing demand per month	475 Paise/unit
(ii)	Remaining units consumed per month	470 Paise/unit

PLUS

2.3. TIME OF USE (TOU) CHARGES

For the Energy Consumption during the two peak periods, viz. 0700 Hrs. to 1100 Hrs. & 1800 Hrs. to 2200 Hrs.	
(a) For Billing Demand up to 500 kVA	45 Paise per unit
(b) For Billing Demand above 500 kVA	80 Paise per unit

PLUS

2.4. POWER FACTOR ADJUSTMENT CHARGE

a) Power Factor Adjustment Charges: -

- The power factor adjustment charges shall be levied at the rate of 1% on the total amount of electricity bills for the month under the head "Energy Charges" for every 1% drop or part thereof in the average power factor during the month below 90% up to 85 %.
- In addition to the above clause, for every 1% drop or part thereof in average power factor during the month below 85% at the rate of 2% on the total amount of electricity bill for that month under the head "Energy Charges", will be charged.

b) Power Factor Adjustment Rebate: -

- If the average power factor of the consumer's installation in any month is above 95%, the consumer will be entitled to a rebate at the rate of 1% in excess of 95% power factor on the total amount of electricity bill for that month under the head "Energy Charges", for every 1% rise or part thereof in the average power factor during the month above 95%.

2.5. NIGHT TIME CONCESSION:

The energy consumed during night hours between 22.00 hours and 06.00 hours next day (recorded by the tariff meter operated through time switch or built in feature of time segments, if incorporated) as is in excess of one third of total energy consumed during the month, shall be eligible for concession of 60 Paise per KWH. The meter and time switch shall be procured and installed by consumer at his cost, if required by TPL-Surat. In such case, TPL-Surat will seal the metering equipment.

2.6. REBATE FOR SUPPLY AT EHV

Sr. No.	On Energy Charges	Rebate @
(a)	If supply is availed at 33/66 kV	0.5%
(b)	If supply is availed at 132 kV and above	1.0%

3. RATE: HTMD - 3

This tariff shall be applicable to a consumer taking supply of electricity at high voltage, contracting for not less than 100 kVA for temporary period. A consumer not taking supply on regular basis under a proper agreement shall be deemed to be taking supply for temporary period.

3.1. FIXED CHARGES

For billing demand up to contract demand	Rs. 25/- per kVA per day
For billing demand in excess of contract demand	Rs. 35/- per kVA per day

NOTE: **BILLING DEMAND:** Billing Demand shall be the highest of the following:

- Actual maximum demand established during the month
- 85% of the Contract Demand, and
- 100 KVA

PLUS

3.2. ENERGY CHARGE

For all units consumed during the month	695 Paise/unit
---	----------------

PLUS

3.3. TIME OF USE (TOU) CHARGE

For the Energy Consumption during the two peak periods, viz. 0700 Hrs. to 1100 Hrs. & 1800 Hrs. to 2200 Hrs.	
(a) For Billing Demand up to 500 kVA	45 Paise per unit
(b) For Billing Demand above 500 kVA	80 Paise per unit

3.4. POWER FACTOR ADJUSTMENT CHARGE

a) Power Factor Adjustment Charges: -

- The power factor adjustment charges shall be levied at the rate of 1% on the total amount of electricity bills for the month under the head "Energy Charges" for every 1% drop or part thereof in the average power factor during the month below 90% up to 85 %.
- In addition to the above clause, for every 1% drop or part thereof in average power factor during the month below 85% at the rate of 2% on the total amount of electricity bill for that month under the head "Energy Charges", will be charged.

b) Power Factor Adjustment Rebate: -

- If the average power factor of the consumer's installation in any month is above 95%, the consumer will be entitled to a rebate at the rate of 1% in excess of 95% power factor on the total amount of electricity bill for that month under the head "Energy Charges", for every 1% rise or part thereof in the average power factor during the month above 95%.

4. Rate- NTCT (NIGHT TIME CONCESSIONAL TARIFF)

This is night time concessional tariff for consumers for regular power supply who opt to use electricity EXCLUSIVELY during night hours between 22.00 hours and 06.00 hours next day. The consumer shall provide the switching arrangement as shall be acceptable to TPL Surat to regulate supply hours.

4.1. FIXED CHARGE

Fixed Charges	30% of the Demand Charges under relevant Tariff Category
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4.2. ENERGY CHARGE

A flat rate of	340 Paise per unit
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4.3. POWER FACTOR ADJUSTMENT CHARGE

a) Power Factor Adjustment Charges: -

- The power factor adjustment charges shall be levied at the rate of 1% on the total amount of electricity bills for the month under the head "Energy Charges" for every 1% drop or part thereof in the average power factor during the month below 90% up to 85 %.
- In addition to the above clause, for every 1% drop or part thereof in average power factor during the month below 85% at the rate of 2% on the total amount of electricity bill for that month under the head "Energy Charges", will be charged.

b) Power Factor Adjustment Rebate: -

- If the average power factor of the consumer's installation in any month is above 95%, the consumer will be entitled to a rebate at the rate of 1% in excess of 95% power factor on the total amount of electricity bill for that month under the head "Energy Charges", for every 1% rise or part thereof in the average power factor during the month above 95%.

NOTE:

1. 10% of total units consumed and 15% of the contract demand can be availed beyond the prescribed hours
2. This tariff shall be applicable if the consumer so opts to be charged in place of HTMD tariff by using electricity exclusively during night hours as above
3. The option can be exercised to switch over from HTMD tariff to this category and vice versa twice in a calendar year by giving not less than one month's notice in writing.
4. In case the consumer is not fulfilling the conditions of this tariff category, then such consumer for the relevant billing period will be billed under tariff category HTMD.

ANNEXURE-2

TARIFF FILING FORMS (DISTRIBUTION)

Form D - 1: TPL - D
Cost of Purchase of Power - TPL-G (APP)

		Physical Data	UOM	2014-15
A	1	Share of utility	MW	422
	2	Maximum entitled power purchase	MKwh	2,717.85
	3	Actual Purchase of Power by the Utility	MKwh	2,717.85
B		Cost Data		
	1	Basic Variable Cost	Rs / Kwh	3.47
	2	Transmission charge	Rs / Kwh	-
	3	Other Charges	Rs / Kwh	-
	4	Total Variable Charge	Rs / Kwh	3.47
	5	Basic Variable Cost	Rs. In Crores	943.36
	6	Transmission charge	Rs. In Crores	
	7	Other Charges	Rs. In Crores	
	8	Total Variable Charge	Rs. In Crores	943.36
		Fixed Cost		
	9	Interest on debt	Rs. In Crores	
	10	Depreciation	Rs. In Crores	
	11	O & M	Rs. In Crores	
	12	Water Charges	Rs. In Crores	
	13	Insurance	Rs. In Crores	
	14	Interest on Working Capital	Rs. In Crores	
	15	Return on Equity	Rs. In Crores	
	16	Tax	Rs. In Crores	
	17	Total Fixed Cost	Rs. In Crores	262.84
	18	Total Fixed Cost	Rs / Kwh	0.97
	19	Incentive (Dis)	Rs. In Crores	
	20	Less:Other Income	Rs. In Crores	
	21	Total variable and fixed Cost and incentive	Rs. In Crores	1,206.20
	22	Cost of Purchase of Power per Unit	Rs / Kwh	4.44

Form D - 1: TPL - D
Cost of Purchase of Power - SUGEN

		Physical Data	UoM	2014-15
A	1	Share of utility	MW	
	2	Maximum entitled power purchase	MKwh	2,420.72
	3	Actual Purchase of Power by the Utility	MKwh	2,420.72
B		Cost Data		
	1	Basic Variable Cost	Rs / Kwh	6.29
	2	Transmission charge	Rs / Kwh	0.20
	3	Other Charges	Rs / Kwh	-
	4	Total Variable Charge	Rs / Kwh	6.49
	5	Basic Variable Cost	Rs. In Crores	1,522.43
	6	Transmission charge	Rs. In Crores	49.31
	7	Other Charges	Rs. In Crores	-
	8	Total Variable Charge	Rs. In Crores	1,571.75
		Fixed Cost		
	9	Interest on debt	Rs. In Crores	
	10	Depreciation	Rs. In Crores	
	11	O & M	Rs. In Crores	
	12	Insurance	Rs. In Crores	
	13	Interest on Working Capital	Rs. In Crores	
	14	Return on Equity	Rs. In Crores	
	15	Tax	Rs. In Crores	
	16	Total Fixed Cost	Rs. In Crores	690.12
	17	Total Fixed Cost	Rs / Kwh	
	18	Incentive (Dis)	Rs. In Crores	
	19	Minus:Other Income	Rs. In Crores	
	20	Total variable and fixed Cost and incentive	Rs. In Crores	2,261.87
	21	Cost of Purchase of Power per Unit	Rs / Kwh	

Form D - 1: TPL - D

Cost of Purchase of Power - Bilateral/Others

		Physical Data	UoM	2014-15
A	1	Share of utility	MW	
	2	Maximum entitled power purchase	MKwh	5,148.33
	3	Actual Purchase of Power by the Utility	MKwh	5,148.33
B		Cost Data		
	1	Basic Variable Cost	Rs / Kwh	3.80
	2	Transmission charge	Rs / Kwh	-
	3	Other Charges	Rs / Kwh	-
	4	Total Variable Charge	Rs / Kwh	3.80
	5	Basic Variable Cost	Rs. In Crores	1,957.38
	6	Transmission charge	Rs. In Crores	-
	7	Other Charges	Rs. In Crores	-
	8	Total Variable Charge	Rs. In Crores	1,957.38
		Fixed Cost		
	9	Interest on debt	Rs. In Crores	
	10	Depreciation	Rs. In Crores	
	11	O & M	Rs. In Crores	
	12	Insurance	Rs. In Crores	
	13	Interest on Working Capital	Rs. In Crores	
	14	Return on Equity	Rs. In Crores	
	15	Tax	Rs. In Crores	
	16	Total Fixed Cost	Rs. In Crores	-
	17	Total Fixed Cost	Rs / Kwh	-
	18	Incentive (Dis)	Rs. In Crores	
	19	Minus:Other Income	Rs. In Crores	
	20	Total variable and fixed Cost and incentive	Rs. In Crores	1,957.38
	21	Cost of Purchase of Power per Unit	Rs / Kwh	3.80

Form D - 1: TPL - D
Cost of Purchase of Power - Renewable

		Physical Data	UoM	2014-15
A	1	Share of utility	MW	
	2	Maximum entitled power purchase	MKwh	261.20
	3	Actual Purchase of Power by the Utility	MKwh	261.20
B		Cost Data		
	1	Basic Variable Cost	Rs / Kwh	5.46
	2	Transmission charge	Rs / Kwh	-
	3	Other Charges	Rs / Kwh	-
	4	Total Variable Charge	Rs / Kwh	5.46
	5	Basic Variable Cost	Rs. In Crores	142.69
	6	Transmission charge	Rs. In Crores	-
	7	Other Charges	Rs. In Crores	-
	8	Total Variable Charge	Rs. In Crores	142.69
		Fixed Cost		
	9	Interest on debt	Rs. In Crores	
	10	Depreciation	Rs. In Crores	
	11	O & M	Rs. In Crores	
	12	Insurance	Rs. In Crores	
	13	Interest on Working Capital	Rs. In Crores	
	14	Return on Equity	Rs. In Crores	
	15	Tax	Rs. In Crores	
	16	Total Fixed Cost	Rs. In Crores	
	17	Total Fixed Cost	Rs / Kwh	-
	18	Incentive (Dis)	Rs. In Crores	
	19	Minus:Other Income	Rs. In Crores	
	20	Total variable and fixed Cost and incentive	Rs. In Crores	142.69
	21	Cost of Purchase of Power per Unit	Rs / Kwh	5.46
C	1	REC (Non-Solar)	MKwh	615.00
	2	REC Purchase Cost (Non-Solar)	Rs. In Crores	92.25
	3	REC (Solar)	MKwh	-
	4	REC Purchase Cost (Solar)	Rs. In Crores	-

Particulars	Applicable depreciation Rate	Gross Block as at 01.04.2014	Addition to Gross Block During 2014-15	Deletion to Gross Block During 2014-15	Depreciation	Gross Block as on 31.03.2015
Land	0/1.01	31.47	-	-	0.17	31.47
Freehold	0.00%	13.77	-	-	-	13.77
Leasehold	1.01%	17.70	-	-	0.17	17.70
Buildings	1.80/3.34/3.60/18	46.08	2.20	-	0.96	48.29
	1.8%/3.34%	46.08	2.20	-	0.96	48.29
	3.6%/3.34%	-	-	-	-	-
	18%/3.34%	-	-	-	-	-
Plant & Machinery	3.60/5.28/6	508.99	9.62	4.97	22.39	513.64
	6%/5.28%	110.67	4.56	4.04	1.24	111.19
	6.33%	0.28	-	-	0.02	0.28
	3.60/5.28%	398.04	5.06	0.93	21.13	402.17
Lines & Cables	2.57/3.60/5.28/6	757.78	35.62	0.42	23.75	792.97
	2.57%/5.28%	757.78	35.62	0.42	23.75	792.97
	3.6%/5.28%	-	-	-	-	-
	6%/5.28%	-	-	-	-	-
Vehicles	18%/9.5%	0.79	-	-	0.06	0.79
Furniture & Fixtures	6%/6.33%	4.86	-	-	0.28	4.86
Office Equipments	3.6/5.28/6/6.33/15	25.25	0.87	0.95	1.86	25.17
	3.6%/5.28%/6%/6.33%	5.25	0.37	0.33	0.27	5.30
	6%/15%	19.35	0.39	0.54	1.55	19.21
	6%/6.33%	0.65	0.11	0.08	0.04	0.68
Intangible Asset	6%/33.33%	11.22	0.45	-	2.03	11.67
TOTAL (A)		1,386.45	48.76	6.34	51.50	1,428.87
Less Depreciation on SLC & Grants		131.90	13.10	-	5.70	145.00
TOTAL Net		1,254.55	35.67	6.34	45.80	1,283.88

Form D-3: Surat Supply Area
Calculation of Interest

FY 2014-15

(Rs. in Crores)

A) Loan & Debentures	Type of the borrowing & Name of the Lender	Op. Bal. of outstanding Loans / Debentures	Borrowings during the Year		Repayment amount during the year	Closing Balance of Outstanding loan / debentures	Rate of Interest prevailing on 01.04.2014	Amount of Interest
			Date	Amount				
A) Loans	Term Loans	327.52		20.52	45.80	302.25	11.30%*	35.58
								35.58
B) Others								
Security Deposits	Consumer Deposit	185.88		14.83	-	200.71	9.00%	17.46
Others (to specify)	Other borrowing cost							0.44
TOTAL								53.48

* Weighted average interest rate arrived at considering actual loan portfolio prevailing on 01.04.2014

Form D - 4
Sale of Electrical Energy
2016-17

		Particulars	RGP	NRGP	LTMD	HTMD-1	HTMD-2
A	Physical Data						
1	Units Sold	Mkwh	686.52	1,260.86	981.49	234.12	56.26
2	Unit Sold during peak hours (ToU)	Mkwh	-	-	-	77	22
3	Connected Load	HP	-	6,24,364	-	-	-
4	Contract Demand	Kw/KVA	-	-	-	-	-
5	Actual Recorded Demand	Kw/KVA	-	-	-	-	-
6	Normal Billed Demand	Kw	-	-	4,26,018	84,475	18,350
7	Excess Billed Demand	Kw/KVA	-	-	-	-	-
8	Total Billed Demand	Kw/KVA	-	-	4,26,018	84,475	18,350
9	Number of Single Phase Consumers	Nos.	3,58,903	1,11,350	-	-	-
10	Number of Three Phase Consumers	Nos.	33,094	62,650	14,795	209	21
11	Total Number of Consumers	Nos.	3,91,997	1,74,000	14,795	209	21
12	Power Factor	%	-	-	-	-	-
13	Monthly Consumption per consumer	KWH/Mtr	146	604	5,528	93,350	2,23,251
14	Connected Load per Consumer	HP/Kw	-	4	-	-	-
15	Normal Billed Demand per Consumer	Kw/KVA	-	-	29	404	874
16	Excess Billed Demand per Consumer	Kw/KVA	-	-	-	-	-
17	Total Billed Demand per Consumer	Kw/KVA	-	-	29	404	874
B	Sales Revenue						
1	Fixed Charge / Demand Charge	Rs. In Lakhs	1,335	5,319	8,083	1,955	409
2	Excess Demand Charge	Rs. In Lakhs	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	1,335	5,319	8,083	1,955	409
4	Energy Charge	Rs. In Lakhs	27,254	55,638	47,602	11,221	2,671
5	Time of Use Charge	Rs. In Lakhs	-	-	-	614	163
6	Power Factor Adjustment	Rs. In Lakhs	-	-	73	(338)	(79)
7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Rs. In Lakhs	27,254	55,638	47,675	11,497	2,755
8	Fuel Cost Adjustment	Rs. In Lakhs	8,444	15,509	12,072	2,880	692
9	Total Charge	Rs. In Lakhs	37,033	76,466	67,830	16,332	3,856
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	37,033	76,466	67,830	16,332	3,856
C	Sales Revenue						
1	Fixed Charge / Demand Charge	Paise per unit	19	42	82	84	73
2	Excess Demand Charge	Paise per unit	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	19	42	82	84	73
4	Energy Charge	Paise per unit	397	441	485	479	475
5	Time of Use Charge	Paise per unit	-	-	-	26	29
6	Power Factor Adjustment	Paise per unit	-	-	1	(14)	(14)
7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Paise per unit	397	441	486	491	490
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123	123
9	Total Charge	Paise per unit	539	606	691	698	685
10	Prompt Payment Discount, if Any.	Paise per unit	-	-	-	-	-
11	Net Sale of Energy	Paise per unit	539	606	691	698	685

Form D - 4
Sale of Electrical Energy
2016-17

A	Particulars		Agri	GLP	Temp	BPL	Total
	Physical Data						
1	Units Sold	Mkwh	0.95	26.55	0.33	0.01	3,247.08
2	Unit Sold during peak hours (ToU)	Mkwh	-	-	-	-	99
3	Connected Load	HP	1,024	-	46	-	6,25,433
4	Contract Demand	Kw/KVA	-	-	-	-	-
5	Actual Recorded Demand	Kw/KVA	-	-	-	-	-
6	Normal Billed Demand	Kw	-	-	-	-	5,28,843
7	Excess Billed Demand	Kw/KVA	-	-	-	-	-
8	Total Billed Demand	Kw/KVA	-	-	-	-	5,28,843
9	Number of Single Phase Consumers	Nos.	3	505	-	8	4,70,769
10	Number of Three Phase Consumers	Nos.	258	1,062	-	-	1,12,089
11	Total Number of Consumers	Nos.	261	1,567	1	8	5,82,858
12	Power Factor	%	-	-	-	-	-
13	Monthly Consumption per consumer	KWH/Mtr	303	1,412	27,148	83	464
14	Connected Load per Consumer	HP/Kw	4	-	46	-	-
15	Normal Billed Demand per Consumer	Kw/KVA	-	-	-	-	-
16	Excess Billed Demand per Consumer	Kw/KVA	-	-	-	-	-
17	Total Billed Demand per Consumer	Kw/KVA	-	-	-	-	-
	Sales Revenue						
1	Fixed Charge / Demand Charge	Rs. In Lakhs	2	10	4	0	17,118
2	Excess Demand Charge	Rs. In Lakhs	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	2	10	4	0	17,118
4	Energy Charge	Rs. In Lakhs	6	1,075	16	0	1,45,484
5	Time of Use Charge	Rs. In Lakhs	-	-	-	-	777
6	Power Factor Adjustment	Rs. In Lakhs	-	-	-	-	(345)
7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Rs. In Lakhs	6	1,075	16	0	1,45,916
8	Fuel Cost Adjustment	Rs. In Lakhs	12	327	4	0	39,939
9	Total Charge	Rs. In Lakhs	20	1,412	24	0	2,02,973
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	20	1,412	24	0	2,02,973
	Sales Revenue						
1	Fixed Charge / Demand Charge	Paise per unit	26	4	128	6	53
2	Excess Demand Charge	Paise per unit	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	26	4	128	6	53
4	Energy Charge	Paise per unit	60	405	500	300	448
5	Time of Use Charge	Paise per unit	-	-	-	-	2
6	Power Factor Adjustment	Paise per unit	-	-	-	-	(1)
7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Paise per unit	60	405	500	300	449
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123	123
9	Total Charge	Paise per unit	209	532	751	429	625
10	Prompt Payment Discount, if Any.	Paise per unit	-	-	-	-	-
11	Net Sale of Energy	Paise per unit	209	532	751	429	625

Form D - 4
Sale of Electrical Energy
2016-17

RGP

	Particulars	UoM	0 - 50	51 - 100	101 - 200	201 - 250	> 250	Total	Annual
A	Physical Data								
1	Units Sold	Mkwh	1.91	7.69	17.68	5.83	24.09	57.21	686.52
2	Unit Sold during peak hours (ToU)	Mkwh							
3	Connected Load	HP							
4	Contract Demand	Kw/KVA	1,31,528	1,41,715	1,97,394	53,662	1,78,622	7,02,921	7,02,921
5	Actual Recorded Demand	Kw/KVA							
6	Normal Billed Demand	Kw/KVA							
7	Excess Billed Demand	Kw/KVA							
8	Total Billed Demand	Kw/KVA							
9	Number of Single Phase Consumers	Nos.	84,736	99,360	1,17,645	23,045	34,117	3,58,903	3,58,903
10	Number of Three Phase Consumers	Nos.	3,851	2,661	7,690	2,537	16,355	33,094	33,094
11	Total Number of Consumers	Nos.	88,587	1,02,021	1,25,335	25,582	50,472	3,91,997	3,91,997
12	Power Factor	%							
13	Monthly Consumption per consumer	KWH/Mtr	21.58	75.35	141.10	228.08	477.33	145.95	
14	Connected Load per Consumer	HP/Kw	1.48	1.39	1.57	2.10	3.54	1.79	1.79
15	Normal Billed Demand per Consumer	Kw/KVA							
16	Excess Billed Demand per Consumer	Kw/KVA							
17	Total Billed Demand per Consumer	Kw/KVA							
B	Sales Revenue								
1	Fixed Charge / Demand Charge	Rs. In Lakhs	24	27	34	7	19	111	1,335
2	Excess Demand Charge	Rs. In Lakhs							
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	24	27	34	7	19	111	1,335
4	Energy Charge	Rs. In Lakhs	61	258	648	228	1,077	2,271	27,254
5	Time of Use Charge	Rs. In Lakhs							
6	Power Factor Adjustment	Rs. In Lakhs							
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs	61	258	648	228	1,077	2,271	27,254
8	Fuel Cost Adjustment	Rs. In Lakhs	24	95	218	72	296	704	8,444
9	Total Charge	Rs. In Lakhs	108	379	900	307	1,392	3,086	37,033
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	108	379	900	307	1,392	3,086	37,033
C	Sales Revenue								
1	Fixed Charge / Demand Charge	Paise per unit	124	35	19	13	8	19	19
2	Excess Demand Charge	Paise per unit	-	-	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	124	35	19	13	8	19	19
4	Energy Charge	Paise per unit	320	335	367	390	447	397	397
5	Time of Use Charge	Paise per unit	-	-	-	-	-	-	-
6	Power Factor Adjustment	Paise per unit	-	-	-	-	-	-	-
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	320	335	367	390	447	397	397
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123	123	123	123
9	Total Charge	Paise per unit	567	493	509	526	578	539	539
10	Prompt Payment Discount	Paise per unit	-	-	-	-	-	-	-
11	Net Sale of Energy	Paise per unit	567	493	509	526	578	539	539

	Particulars	UoM	0-30	31 - 50	51 - 100	101 - 200	201 - 250	251 - 500	Above 500	Total	Annual
A	Physical Data										
1	Units Sold	Mkwh	0.000015	0.000036	0.000158	0.000205	-	0.000254	-	0.000668	0.008013
2	Unit Sold during peak hours (ToU)	Mkwh									
3	Connected Load	HP									
4	Contract Demand	Kw/KVA									
5	Actual Recorded Demand	Kw/KVA									
6	Normal Billed Demand	Kw/KVA									
7	Excess Billed Demand	Kw/KVA									
8	Total Billed Demand	Kw/KVA									
9	Number of Single Phase Consumers	Nos.	1.00	1.00	3.00	2.00	-	1.00	-	8.00	8.00
10	Number of Three Phase Consumers	Nos.	-	-	-	-	-	-	-	-	-
11	Total Number of Consumers	Nos.	1.00	1.00	3.00	2.00	-	1.00	-	8.00	8.00
12	Power Factor	%									
13	Monthly Consumption per consumer	KWH/Mtr	15	36	53	103	-	254	-	83	
14	Connected Load per Consumer	HP/Kw									
15	Normal Billed Demand per Consumer	Kw/KVA									
16	Excess Billed Demand per Consumer	Kw/KVA									
17	Total Billed Demand per Consumer	Kw/KVA									
B	Sales Revenue										
1	Fixed Charge / Demand Charge	Rs. In Lakhs	0.000050	0.000050	0.000150	0.000100	-	0.000050	-	0.000400	0.004800
2	Excess Demand Charge	Rs. In Lakhs									
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	0.000050	0.000050	0.000150	0.000100	-	0.000050	-	0.000400	0.004800
4	Energy Charge	Rs. In Lakhs	0.000220	0.000647	0.003546	0.006058	-	0.009543	-	0.020014	0.240171
5	Time of Use Charge	Rs. In Lakhs									
6	Power Factor Adjustment	Rs. In Lakhs									
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs									
8	Fuel Cost Adjustment	Rs. In Lakhs	0.000180	0.000445	0.001938	0.002526	-	0.003124	-	0.008214	0.098563
9	Total Charge	Rs. In Lakhs	0.000450	0.001141	0.005635	0.008685	-	0.012717	-	0.028628	0.343534
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-	-	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	0.000450	0.001141	0.005635	0.008685	-	0.012717	-	0.028628	0.343534
C	Sales Revenue										
1	Fixed Charge / Demand Charge	Paise per unit	34	14	10	5	-	2	-	6	6
2	Excess Demand Charge	Paise per unit	-	-	-	-	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	34	14	10	5	-	2	-	6	6
4	Energy Charge	Paise per unit	150	179	225	295	-	376	-	300	300
5	Time of Use Charge	Paise per unit	-	-	-	-	-	-	-	-	-
6	Power Factor Adjustment	Paise per unit	-	-	-	-	-	-	-	-	-
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	-	-	-	-	-	-	-	-	-
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123	-	123	-	123	123
9	Total Charge	Paise per unit	307	316	358	423	-	501	-	429	429
10	Prompt Payment Discount	Paise per unit	-	-	-	-	-	-	-	-	-
11	Net Sale of Energy	Paise per unit	307	316	358	423	-	501	-	429	429

	Particulars		0-10KW	10-15 kW	Total	Annual
A	Physical Data					
1	Monthly Consumption	Mkwh	72.11	32.96	105.07	1,260.86
2	Unit Sold during peak hours (ToU)					
3	Connected Load	HP/Kw	4,68,041	1,56,323	6,24,364	6,24,364
4	Contract Demand	Kw/KVA				
5	Actual Recorded Demand	Kw/KVA				
6	Normal Billed Demand	Kw				
7	Excess Billed Demand	Kw/KVA				
8	Total Billed Demand	Kw/KVA				
9	Number of Single Phase Consumers	Nos.	1,11,250	100	1,11,350	1,11,350
10	Number of Three Phase Consumers	Nos.	50,226	12,424	62,650	62,650
11	Total Number of Consumers	Nos.	1,61,476	12,524	1,74,000	1,74,000
12	Power Factor	%				
13	Monthly Consumption per consumer	KWH/Con	446.60	2,631.48	603.86	
14	Connected Load per Consumer	Kw/Con.	2.90	12.48	3.59	3.59
15	Normal Billed Demand per Consumer	Kw/KVA				
16	Excess Billed Demand per Consumer	Kw/KVA				
17	Total Billed Demand per Consumer	Kw/KVA				
B	Sales Revenue					
1	Fixed Charge / Demand Charge	Rs. In Lakhs	328	116	443	5,319
2	Excess Demand Charge	Rs. In Lakhs				
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	328	116	443	5,319
4	Energy Charge	Rs. In Lakhs	3,137	1,500	4,637	55,638
5	Time of Use Charge	Rs. In Lakhs				
6	Power Factor Adjustment	Rs. In Lakhs				
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs				
8	Fuel Cost Adjustment	Rs. In Lakhs	887	405	1,292	15,509
9	Total Charge	Rs. In Lakhs	4,352	2,021	6,372	76,466
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	4,352	2,021	6,372	76,466
C	Sales Revenue					
1	Fixed Charge / Demand Charge	Paise per unit	45	35	42	42
2	Excess Demand Charge	Paise per unit	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	45	35	42	42
4	Energy Charge	Paise per unit	435	455	441	441
5	Time of Use Charge	Paise per unit	-	-	-	-
6	Power Factor Adjustment	Paise per unit	-	-	-	-
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	-	-	-	-
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123
9	Total Charge	Paise per unit	603	613	606	606
10	Prompt Payment Discount	Paise per unit	-	-	-	-
11	Net Sale of Energy	Paise per unit	603	613	606	606

	Particulars		0 - 20 KVA	20-60 KVA	Above 60 KVA	Total	Annual
A	Physical Data						
1	Monthly Consumption	Mkwh	21.58	46.32	13.89	81.79	981.49
2	Unit Sold during peak hours (ToU)	Mkwh					
3	Connected Load	HP/Kw					
4	Contract Demand	KVA					
5	Actual Recorded Demand	Kw/KVA					
6	Normal Billed Demand	Kw	1,08,968	2,35,898	81,152	4,26,018	4,26,018
7	Excess Billed Demand	Kw/KVA	-	-	-	-	-
8	Total Billed Demand	Kw/KVA	1,08,968	2,35,898	81,152	4,26,018	4,26,018
9	Number of Single Phase Consumers	Nos.	-	-	-	-	-
10	Number of Three Phase Consumers	Nos.	6,355	7,417	1,023	14,795	14,795
11	Total Number of Consumers	Nos.	6,355	7,417	1,023	14,795	14,795
12	Power Factor	%					
13	Monthly Consumption per consumer	KWH/Mtr	3,395.30	6,245.58	13,577.76	5,528.26	
14	Normal Billed Demand per Consumer	Kw/KVA	17.15	31.81	79.33	28.79	28.79
16	Excess Billed Demand per Consumer	Kw/KVA	-	-	-	-	-
17	Total Billed Demand per Consumer	Kw/KVA	17.15	31.81	79.33	28.79	28.79
B	Sales Revenue						
1	Fixed Charge / Demand Charge	Rs. In Lakhs	125	366	183	674	8,083
2	Excess Demand Charge	Rs. In Lakhs	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	125	366	183	674	8,083
4	Energy Charge	Rs. In Lakhs	1,046	2,247	674	3,967	47,602
5	Time of Use Charge	Rs. In Lakhs	-	-	-	-	-
6	Reactive Charges	Rs. In Lakhs	-	3	3	6	73
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs	1,046	2,250	677	3,973	47,675
8	Fuel Cost Adjustment	Rs. In Lakhs	265	570	171	1,006	12,072
9	Total Charge	Rs. In Lakhs	1,437	3,185	1,030	5,652	67,830
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	1,437	3,185	1,030	5,652	67,830
C	Sales Revenue						
1	Fixed Charge / Demand Charge	Paise per unit	58	79	131	82	82
2	Excess Demand Charge	Paise per unit	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	58	79	131	82	82
4	Energy Charge	Paise per unit	485	485	485	485	485
5	Time of Use Charge	Paise per unit	-	-	-	-	-
6	Reactive Charges	Paise per unit	-	1	2	1	1
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	485	486	487	486	486
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123	123
9	Total Charge	Paise per unit	666	688	742	691	691
10	Prompt Payment Discount	Paise per unit	-	-	-	-	-
11	Net Sale of Energy	Paise per unit	666	688	742	691	691

		Particulars	First 500 kVA	Above 500 kVA	Total	Annual	
A		Physical Data					
	1 (a)	0 - 400 units	Mkwh	11.11	7.02	18.13	217.58
	1 (b)	400 above units	Mkwh	0.80	0.58	1.38	16.54
	1	Monthly Consumption	Mkwh	11.91	7.60	19.51	234.12
	2	Unit Sold during peak hours (ToU)	Mkwh	3.77	2.67	6.43	77.20
	3	Connected Load	HP/Kw				
	4	Contract Demand	Kw/KVA				
	5	Actual Recorded Demand	Kw/KVA				
	6	Normal Billed Demand	Kw/KVA	46,670	37,805	84,475	84,475
	7	Excess Billed Demand	Kw/KVA	-	-	-	-
	8	Total Billed Demand	Kw/KVA	46,670	37,805	84,475	84,475
	9	Number of Single Phase Consumers	Nos.	-	-	-	-
	10	Number of Three Phase Consumers	Nos.	167	42	209	209
	11	Total Number of Consumers	Nos.	167	42	209	209
	12	Power Factor	%				
	13	Monthly Consumption per consumer	KWH/Mtr	71,321.71	1,80,938.21	93,349.90	
	14	Normal Billed Demand per Consumer	Kw/KVA	279.46	900.12	404.19	404.19
	16	Excess Billed Demand per Consumer	Kw/KVA	-	-	-	-
	17	Total Billed Demand per Consumer	Kw/KVA	279.46	900.12	404.19	404.19
B		Sales Revenue					
	1	Fixed Charge / Demand Charge	Rs. In Lakhs	79	84	163	1,955
	2	Excess Demand Charge	Rs. In Lakhs	-	-	-	-
	3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	79	84	163	1,955
	4	Energy Charge	Rs. In Lakhs	571	364	935	11,221
	5	Time of Use Charge	Rs. In Lakhs	24	27	51	614
	6	Power Factor Adjustment	Rs. In Lakhs	(15)	(13)	(28)	(338)
	7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Rs. In Lakhs	580	378	958	11,497
	8	Fuel Cost Adjustment	Rs. In Lakhs	147	93	240	2,880
	9	Total Charge	Rs. In Lakhs	806	555	1,361	16,332
	10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-
	11	Net Sale of Energy	Rs. In Lakhs	806	555	1,361	16,332
C		Sales Revenue					
	1	Fixed Charge / Demand Charge	Paise per unit	67	110	84	84
	2	Excess Demand Charge	Paise per unit	-	-	-	-
	3	Total Fixed Charge / Demand Charge	Paise per unit	67	110	84	84
	4	Energy Charge	Paise per unit	479	479	479	479
	5	Time of Use Charge	Paise per unit	21	35	26	26
	6	Power Factor Adjustment + NTC	Paise per unit	(13)	(17)	(14)	(14)
	7	Energy + ToU + PF Adjustment + NTC (4+5+6+7)	Paise per unit	487	498	491	491
	8	Fuel Cost Adjustment	Paise per unit	123	123	123	123
	9	Total Charge	Paise per unit	677	731	698	698
	10	Prompt Payment Discount	Paise per unit	-	-	-	-
	11	Net Sale of Energy	Paise per unit	677	731	698	698

		Particulars	First 500 kVA	Above 500 kVA	Total	Annual	
A		Physical Data					
	1 (a)	0 - 400 units	Mkwh	0.82	3.61	4.43	53.13
	1 (b)	400 above units	Mkwh	0.00	0.26	0.26	3.13
	1	Monthly Consumption	Mkwh	0.82	3.86	4.69	56.26
	2	Unit Sold during peak hours (ToU)	Mkwh	0.28	1.55	1.82	21.89
	3	Connected Load	HP/Kw				
	4	Contract Demand	Kw/KVA				
	5	Actual Recorded Demand	Kw/KVA				
	6	Normal Billed Demand	Kw/KVA	2,951	15,399	18,350	18,350
	7	Excess Billed Demand	Kw/KVA	-	-	-	-
	8	Total Billed Demand	Kw/KVA	2,951	15,399	18,350	18,350
	9	Number of Single Phase Consumers	Nos.	-	-	-	-
	10	Number of Three Phase Consumers	Nos.	10	11	21	21
	11	Total Number of Consumers	Nos.	10	11	21	21
	12	Power Factor	%				
	13	Monthly Consumption per consumer	KWH/Mtr	82,463.79	3,51,239.76	2,23,251.20	
	14	Normal Billed Demand per Consumer	Kw/KVA	295.10	1,399.91	873.81	873.81
	16	Excess Billed Demand per Consumer	Kw/KVA	-	-	-	-
	17	Total Billed Demand per Consumer	Kw/KVA	295.10	1,399.91	873.81	873.81
B		Sales Revenue					
	1	Fixed Charge / Demand Charge	Rs. In Lakhs	4	30	34	409
	2	Excess Demand Charge	Rs. In Lakhs	-	-	-	-
	3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	4	30	34	409
	4	Energy Charge	Rs. In Lakhs	39	183	223	2,671
	5	Time of Use Charge	Rs. In Lakhs	1	12	14	163
	6	Power Factor Adjustment + NTC	Rs. In Lakhs	(1)	(6)	(7)	(79)
	7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Rs. In Lakhs	39	190	230	2,755
	8	Fuel Cost Adjustment	Rs. In Lakhs	10	48	58	692
	9	Total Charge	Rs. In Lakhs	54	268	321	3,856
	10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-
	11	Net Sale of Energy	Rs. In Lakhs	54	268	321	3,856
C		Sales Revenue					
	1	Fixed Charge / Demand Charge	Paise per unit	50	78	73	73
	2	Excess Demand Charge	Paise per unit	-	-	-	-
	3	Total Fixed Charge / Demand Charge	Paise per unit	50	78	73	73
	4	Energy Charge	Paise per unit	475	475	475	475
	5	Time of Use Charge	Paise per unit	15	32	29	29
	6	Power Factor Adjustment	Paise per unit	(13)	(14)	(14)	(14)
	7	Energy + ToU + PF Adjustment + NTC (4+5+6+7)	Paise per unit	477	492	490	490
	8	Fuel Cost Adjustment	Paise per unit	123	123	123	123
	9	Total Charge	Paise per unit	650	693	685	685
	10	Prompt Payment Discount	Paise per unit	-	-	-	-
	11	Net Sale of Energy	Paise per unit	650	693	685	685

		Particulars		All Units	Total	Annual
A		Physical Data				
	1	Monthly Consumption	Mkwh	2.21	2.21	26.55
	2	Unit Sold during peak hours (ToU)	KWH			
	3	Connected Load	HP/Kw			
	4	Contract Demand	Kw/KVA			
	5	Actual Recorded Demand	Kw/KVA			
	6	Normal Billed Demand	Kw/KVA			
	7	Excess Billed Demand	Kw/KVA			
	8	Total Billed Demand	Kw/KVA			
	9	Number of Single Phase Consumers	Nos.	505	505	505
	10	Number of Three Phase Consumers	Nos.	1,062	1,062	1,062
	11	Total Number of Consumers	Nos.	1,567	1,567	1,567
	12	Power Factor	%			
	13	Monthly Consumption per consumer	KWH/Mtr	1,412.08	1,412.08	
	14	Connected Load per Consumer	HP/Kw			
	15	Normal Billed Demand per Consumer	Kw/KVA			
	16	Excess Billed Demand per Consumer	Kw/KVA			
	17	Total Billed Demand per Consumer	Kw/KVA			
B		Sales Revenue				
	1	Fixed Charge / Demand Charge	Rs. In Lakhs	0.86	0.86	10.34
	2	Excess Demand Charge	Rs. In Lakhs	-	-	-
	3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	1	1	10
	4	Energy Charge	Rs. In Lakhs	90	90	1,075
	5	Time of Use Charge	Rs. In Lakhs			
	6	Power Factor Adjustment	Rs. In Lakhs			
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs	90	90	1,075
	8	Fuel Cost Adjustment	Rs. In Lakhs	27	27	327
	9	Total Charge	Rs. In Lakhs	118	118	1,412
	10	Prompt Payment Discount	Rs. In Lakhs	-	-	-
	11	Net Sale of Energy	Rs. In Lakhs	118	118	1,412
C		Sales Revenue				
	1	Fixed Charge / Demand Charge	Paise per unit	4	4	4
	2	Excess Demand Charge	Paise per unit	-	-	-
	3	Total Fixed Charge / Demand Charge	Paise per unit	4	4	4
	4	Energy Charge	Paise per unit	405	405	405
	5	Time of Use Charge	Paise per unit	-	-	-
	6	Power Factor Adjustment	Paise per unit	-	-	-
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	405	405	405
	8	Fuel Cost Adjustment	Paise per unit	123	123	123
	9	Total Charge	Paise per unit	532	532	532
	10	Prompt Payment Discount	Paise per unit	-	-	-
	11	Net Sale of Energy	Paise per unit	532	532	532

Form D - 4
Sale of Electrical Energy
2016-17

AGP

		Particulars		Total	Annual
A		Physical Data			
	1	Monthly Consumption	Mkwh	0.08	0.95
	2	Unit Sold during peak hours (ToU)	KWH		
	3	Connected Load	HP/Kw	1,024	1,024
	4	Contract Demand	Kw/KVA		
	5	Actual Recorded Demand	Kw/KVA		
	6	Normal Billed Demand	Kw/KVA		
	7	Excess Billed Demand	Kw/KVA		
	8	Total Billed Demand	Kw/KVA		
	9	Number of Single Phase Consumers	Nos.	3	3
	10	Number of Three Phase Consumers	Nos.	258	258
	11	Total Number of Consumers	Nos.	261	261
	12	Power Factor	%		
	13	Monthly Consumption per consumer	KWH/Mtr	302.75	
	14	Connected Load per Consumer	HP/Kw	3.92	3.92
	15	Normal Billed Demand per Consumer	Kw/KVA		
	16	Excess Billed Demand per Consumer	Kw/KVA		
	17	Total Billed Demand per Consumer	Kw/KVA		
B		Sales Revenue			
	1	Fixed Charge / Demand Charge	Rs. In Lakhs	0.20	2.46
	2	Excess Demand Charge	Rs. In Lakhs	-	-
	3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	0.20	2.46
	4	Energy Charge	Rs. In Lakhs	0.47	5.69
	5	Time of Use Charge	Rs. In Lakhs		
	6	Power Factor Adjustment	Rs. In Lakhs		
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs	0.47	5.69
	8	Fuel Cost Adjustment	Rs. In Lakhs	0.97	11.66
	9	Total Charge	Rs. In Lakhs	1.65	19.81
	10	Prompt Payment Discount	Rs. In Lakhs	-	-
	11	Net Sale of Energy	Rs. In Lakhs	1.65	19.81
C		Sales Revenue			
	1	Fixed Charge / Demand Charge	Paise per unit	26	26
	2	Excess Demand Charge	Paise per unit	-	-
	3	Total Fixed Charge / Demand Charge	Paise per unit	26	26
	4	Energy Charge	Paise per unit	60	60
	5	Time of Use Charge	Paise per unit	-	-
	6	Power Factor Adjustment	Paise per unit	-	-
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	60	60
	8	Fuel Cost Adjustment	Paise per unit	123	123
	9	Total Charge	Paise per unit	209	209
	10	Prompt Payment Discount	Paise per unit	-	-
	11	Net Sale of Energy	Paise per unit	209	209

Sale of Electrical Energy
2016-17

		Particulars		Temporary	Annual
A		Physical Data			
	1	Monthly Consumption	Mkwh	0.03	0.33
	2	Unit Sold during peak hours (ToU)	KWH		
	3	Connected Load	HP/Kw	46	46
	4	Contract Demand	Kw/KVA		
	5	Actual Recorded Demand	Kw/KVA		
	6	Normal Billed Demand	Kw/KVA		
	7	Excess Billed Demand	Kw/KVA		
	8	Total Billed Demand	Kw/KVA		
	9	Number of Single Phase Consumers	Nos.	-	-
	10	Number of Three Phase Consumers	Nos.	-	-
	11	Total Number of Consumers	Nos.	1	1
	12	Power Factor	%		
	13	Monthly Consumption per consumer	KWH/Mtr	27,147.64	3,25,771.66
	14	Connected Load per Consumer	HP/Kw	45.70	45.70
	15	Normal Billed Demand per Consumer	Kw/KVA		
	16	Excess Billed Demand per Consumer	Kw/KVA		
	17	Total Billed Demand per Consumer	Kw/KVA		
B		Sales Revenue			
	1	Fixed Charge / Demand Charge	Rs. In Lakhs	0.35	4.17
	2	Excess Demand Charge	Rs. In Lakhs		
	3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	0.35	4.17
	4	Energy Charge	Rs. In Lakhs	1.36	16.29
	5	Time of Use Charge	Rs. In Lakhs		
	6	Power Factor Adjustment	Rs. In Lakhs		
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs	1.36	16.29
	8	Fuel Cost Adjustment	Rs. In Lakhs	0.33	4.01
	9	Total Charge	Rs. In Lakhs	2.04	24.47
	10	Prompt Payment Discount	Rs. In Lakhs	-	-
	11	Net Sale of Energy	Rs. In Lakhs	2.04	24.47
C		Sales Revenue			
	1	Fixed Charge / Demand Charge	Paise per unit	128	128
	2	Excess Demand Charge	Paise per unit	-	-
	3	Total Fixed Charge / Demand Charge	Paise per unit	128	128
	4	Energy Charge	Paise per unit	500	500
	5	Time of Use Charge	Paise per unit	-	-
	6	Power Factor Adjustment	Paise per unit	-	-
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	500	500
	8	Fuel Cost Adjustment	Paise per unit	123	123
	9	Total Charge	Paise per unit	751	751
	10	Prompt Payment Discount	Paise per unit	-	-
	11	Net Sale of Energy	Paise per unit	751	751

Form D - 4
Sale of Electrical Energy
2016-17

A	Particulars		RGP	NRGP	LTMD	HTMD-1	HTMD-2
	Physical Data						
1	Units Sold	Mkwh	686.52	1,260.86	981.49	234.12	56.26
2	Unit Sold during peak hours (ToU)	Mkwh	-	-	-	77	22
3	Connected Load	HP	-	6,24,364	-	-	-
4	Contract Demand	Kw/KVA	-	-	-	-	-
5	Actual Recorded Demand	Kw/KVA	-	-	-	-	-
6	Normal Billed Demand	Kw	-	-	4,26,018	84,475	18,350
7	Excess Billed Demand	Kw/KVA	-	-	-	-	-
8	Total Billed Demand	Kw/KVA	-	-	4,26,018	84,475	18,350
9	Number of Single Phase Consumers	Nos.	3,58,903	1,11,350	-	-	-
10	Number of Three Phase Consumers	Nos.	33,094	62,650	14,795	209	21
11	Total Number of Consumers	Nos.	3,91,997	1,74,000	14,795	209	21
12	Power Factor	%	-	-	-	-	-
13	Monthly Consumption per consumer	KWH/Mtr	-	-	-	-	-
14	Connected Load per Consumer	HP/Kw	-	4	-	-	-
15	Normal Billed Demand per Consumer	Kw/KVA	-	-	29	404	874
16	Excess Billed Demand per Consumer	Kw/KVA	-	-	-	-	-
17	Total Billed Demand per Consumer	Kw/KVA	-	-	29	404	874
	Sales Revenue						
1	Fixed Charge / Demand Charge	Rs. In Lakhs	1,335	5,319	8,083	1,955	409
2	Excess Demand Charge	Rs. In Lakhs	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	1,335	5,319	8,083	1,955	409
4	Energy Charge	Rs. In Lakhs	27,254	55,638	47,602	11,221	2,671
5	Time of Use Charge	Rs. In Lakhs	-	-	-	614	163
6	Power Factor Adjustment	Rs. In Lakhs	-	-	73	(338)	(79)
7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Rs. In Lakhs	27,254	55,638	47,675	11,497	2,755
8	Fuel Cost Adjustment*	Rs. In Lakhs	8,444	15,509	12,072	2,880	692
9	Total Charge	Rs. In Lakhs	37,033	76,466	67,830	16,332	3,856
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	37,033	76,466	67,830	16,332	3,856
	Sales Revenue						
1	Fixed Charge / Demand Charge	Paise per unit	19	42	82	84	73
2	Excess Demand Charge	Paise per unit	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	19	42	82	84	73
4	Energy Charge	Paise per unit	397	441	485	479	475
5	Time of Use Charge	Paise per unit	-	-	-	26	29
6	Power Factor Adjustment	Paise per unit	-	-	1	(14)	(14)
7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Paise per unit	397	441	486	491	490
8	Fuel Cost Adjustment*	Paise per unit	123	123	123	123	123
9	Total Charge	Paise per unit	539	606	691	698	685
10	Prompt Payment Discount, if Any.	Paise per unit	-	-	-	-	-
11	Net Sale of Energy	Paise per unit	539	606	691	698	685

* There is no proposal to change Tariff for FY 2016-17. However, it is proposed to recover the gap by way of Regulatory Charge.

Form D - 4
Sale of Electrical Energy
2016-17

A	Particulars		Agri	GLP	Temp	BPL	Total
	Physical Data						
1	Units Sold	Mkwh	0.95	26.55	0.33	0.01	3,247.08
2	Unit Sold during peak hours (ToU)	Mkwh	-	-	-	-	99
3	Connected Load	HP	1,024	-	46	-	6,25,433
4	Contract Demand	Kw/KVA	-	-	-	-	-
5	Actual Recorded Demand	Kw/KVA	-	-	-	-	-
6	Normal Billed Demand	Kw	-	-	-	-	5,28,843
7	Excess Billed Demand	Kw/KVA	-	-	-	-	-
8	Total Billed Demand	Kw/KVA	-	-	-	-	5,28,843
9	Number of Single Phase Consumers	Nos.	3	505	-	8	4,70,769
10	Number of Three Phase Consumers	Nos.	258	1,062	-	-	1,12,089
11	Total Number of Consumers	Nos.	261	1,567	1	8	5,82,858
12	Power Factor	%	-	-	-	-	-
13	Monthly Consumption per consumer	KWH/Mtr	-	-	27,148	-	464
14	Connected Load per Consumer	HP/Kw	4	-	46	-	-
15	Normal Billed Demand per Consumer	Kw/KVA	-	-	-	-	-
16	Excess Billed Demand per Consumer	Kw/KVA	-	-	-	-	-
17	Total Billed Demand per Consumer	Kw/KVA	-	-	-	-	-
	Sales Revenue						
1	Fixed Charge / Demand Charge	Rs. In Lakhs	2	10	4	0	17,118
2	Excess Demand Charge	Rs. In Lakhs	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	2	10	4	0	17,118
4	Energy Charge	Rs. In Lakhs	6	1,075	16	0	1,45,484
5	Time of Use Charge	Rs. In Lakhs	-	-	-	-	777
6	Power Factor Adjustment	Rs. In Lakhs	-	-	-	-	(345)
7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Rs. In Lakhs	6	1,075	16	0	1,45,916
8	Fuel Cost Adjustment*	Rs. In Lakhs	12	327	4	0	39,939
9	Total Charge	Rs. In Lakhs	20	1,412	24	0	2,02,973
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	20	1,412	24	0	2,02,973
	Sales Revenue						
1	Fixed Charge / Demand Charge	Paise per unit	26	4	128	6	53
2	Excess Demand Charge	Paise per unit	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	26	4	128	6	53
4	Energy Charge	Paise per unit	60	405	500	300	448
5	Time of Use Charge	Paise per unit	-	-	-	-	2
6	Power Factor Adjustment	Paise per unit	-	-	-	-	(1)
7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Paise per unit	60	405	500	300	449
8	Fuel Cost Adjustment*	Paise per unit	123	123	123	123	123
9	Total Charge	Paise per unit	209	532	751	429	625
10	Prompt Payment Discount, if Any.	Paise per unit	-	-	-	-	-
11	Net Sale of Energy	Paise per unit	209	532	751	429	625

* There is no proposal to change Tariff for FY 2016-17. However, it is proposed to recover the gap by way of Regulatory Charge.

Form D - 4
Sale of Electrical Energy
2016-17

RGP

	Particulars	UoM	0 - 50	51 - 100	101 - 200	201 - 250	> 250	Total	Annual
A	Physical Data								
1	Units Sold	Mkwh	1.91	7.69	17.68	5.83	24.09	57.21	686.52
2	Unit Sold during peak hours (ToU)	Mkwh							
3	Connected Load	HP							
4	Contract Demand	Kw/KVA	1,31,528	1,41,715	1,97,394	53,662	1,78,622	7,02,921	7,02,921
5	Actual Recorded Demand	Kw/KVA							
6	Normal Billed Demand	Kw/KVA							
7	Excess Billed Demand	Kw/KVA							
8	Total Billed Demand	Kw/KVA							
9	Number of Single Phase Consumers	Nos.	84,736	99,360	1,17,645	23,045	34,117	3,58,903	3,58,903
10	Number of Three Phase Consumers	Nos.	3,851	2,661	7,690	2,537	16,355	33,094	33,094
11	Total Number of Consumers	Nos.	88,587	1,02,021	1,25,335	25,582	50,472	3,91,997	3,91,997
12	Power Factor	%							
13	Monthly Consumption per consumer	KWH/Mtr	21.58	75.35	141.10	228.08	477.33	145.95	
14	Connected Load per Consumer	HP/Kw	1.48	1.39	1.57	2.10	3.54	1.79	1.79
15	Normal Billed Demand per Consumer	Kw/KVA							
16	Excess Billed Demand per Consumer	Kw/KVA							
17	Total Billed Demand per Consumer	Kw/KVA							
B	Sales Revenue								
1	Fixed Charge / Demand Charge	Rs. In Lakhs	24	27	34	7	19	111	1,335
2	Excess Demand Charge	Rs. In Lakhs							
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	24	27	34	7	19	111	1,335
4	Energy Charge	Rs. In Lakhs	61	258	648	228	1,077	2,271	27,254
5	Time of Use Charge	Rs. In Lakhs							
6	Power Factor Adjustment	Rs. In Lakhs							
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs	61	258	648	228	1,077	2,271	27,254
8	Fuel Cost Adjustment	Rs. In Lakhs	24	95	218	72	296	704	8,444
9	Total Charge	Rs. In Lakhs	108	379	900	307	1,392	3,086	37,033
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	108	379	900	307	1,392	3,086	37,033
C	Sales Revenue								
1	Fixed Charge / Demand Charge	Paise per unit	124	35	19	13	8	19	19
2	Excess Demand Charge	Paise per unit	-	-	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	124	35	19	13	8	19	19
4	Energy Charge	Paise per unit	320	335	367	390	447	397	397
5	Time of Use Charge	Paise per unit	-	-	-	-	-	-	-
6	Power Factor Adjustment	Paise per unit	-	-	-	-	-	-	-
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	320	335	367	390	447	397	397
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123	123	123	123
9	Total Charge	Paise per unit	567	493	509	526	578	539	539
10	Prompt Payment Discount	Paise per unit	-	-	-	-	-	-	-
11	Net Sale of Energy	Paise per unit	567	493	509	526	578	539	539

	Particulars	UoM	0-30	31 - 50	51 - 100	101 - 200	201 - 250	251 - 500	Above 500	Total	Annual
A	Physical Data										
1	Units Sold	Mkwh	0.000015	0.000036	0.000158	0.000205	-	0.000254	-	0.000668	0.008013
2	Unit Sold during peak hours (ToU)	Mkwh									
3	Connected Load	HP									
4	Contract Demand	Kw/KVA									
5	Actual Recorded Demand	Kw/KVA									
6	Normal Billed Demand	Kw/KVA									
7	Excess Billed Demand	Kw/KVA									
8	Total Billed Demand	Kw/KVA									
9	Number of Single Phase Consumers	Nos.	1.00	1.00	3.00	2.00	-	1.00	-	8.00	8.00
10	Number of Three Phase Consumers	Nos.	-	-	-	-	-	-	-	-	-
11	Total Number of Consumers	Nos.	1.00	1.00	3.00	2.00	-	1.00	-	8.00	8.00
12	Power Factor	%									
13	Monthly Consumption per consumer	KWH/Mtr	15	36	53	103	-	254	-	83	
14	Connected Load per Consumer	HP/Kw									
15	Normal Billed Demand per Consumer	Kw/KVA									
16	Excess Billed Demand per Consumer	Kw/KVA									
17	Total Billed Demand per Consumer	Kw/KVA									
B	Sales Revenue										
1	Fixed Charge / Demand Charge	Rs. In Lakhs	0.000050	0.000050	0.000150	0.000100	-	0.000050	-	0.000400	0.004800
2	Excess Demand Charge	Rs. In Lakhs									
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	0.000050	0.000050	0.000150	0.000100	-	0.000050	-	0.000400	0.004800
4	Energy Charge	Rs. In Lakhs	0.000220	0.000647	0.003546	0.006058	-	0.009543	-	0.020014	0.240171
5	Time of Use Charge	Rs. In Lakhs									
6	Power Factor Adjustment	Rs. In Lakhs									
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs									
8	Fuel Cost Adjustment	Rs. In Lakhs	0.000180	0.000445	0.001938	0.002526	-	0.003124	-	0.008214	0.098563
9	Total Charge	Rs. In Lakhs	0.000450	0.001141	0.005635	0.008685	-	0.012717	-	0.028628	0.343534
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-	-	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	0.000450	0.001141	0.005635	0.008685	-	0.012717	-	0.028628	0.343534
C	Sales Revenue										
1	Fixed Charge / Demand Charge	Paise per unit	34	14	10	5	-	2	-	6	6
2	Excess Demand Charge	Paise per unit	-	-	-	-	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	34	14	10	5	-	2	-	6	6
4	Energy Charge	Paise per unit	150	179	225	295	-	376	-	300	300
5	Time of Use Charge	Paise per unit	-	-	-	-	-	-	-	-	-
6	Power Factor Adjustment	Paise per unit	-	-	-	-	-	-	-	-	-
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	-	-	-	-	-	-	-	-	-
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123	-	123	-	123	123
9	Total Charge	Paise per unit	307	316	358	423	-	501	-	429	429
10	Prompt Payment Discount	Paise per unit	-	-	-	-	-	-	-	-	-
11	Net Sale of Energy	Paise per unit	307	316	358	423	-	501	-	429	429

	Particulars		0-10KW	10-15 kW	Total	Annual
A	Physical Data					
1	Monthly Consumption	Mkwh	72.11	32.96	105.07	1,260.86
2	Unit Sold during peak hours (ToU)					
3	Connected Load	HP/Kw	4,68,041	1,56,323	6,24,364	6,24,364
4	Contract Demand	Kw/KVA				
5	Actual Recorded Demand	Kw/KVA				
6	Normal Billed Demand	Kw				
7	Excess Billed Demand	Kw/KVA				
8	Total Billed Demand	Kw/KVA				
9	Number of Single Phase Consumers	Nos.	1,11,250	100	1,11,350	1,11,350
10	Number of Three Phase Consumers	Nos.	50,226	12,424	62,650	62,650
11	Total Number of Consumers	Nos.	1,61,476	12,524	1,74,000	1,74,000
12	Power Factor	%				
13	Monthly Consumption per consumer	KWH/Con	446.60	2,631.48	603.86	
14	Connected Load per Consumer	Kw/Con.	2.90	12.48	3.59	3.59
15	Normal Billed Demand per Consumer	Kw/KVA				
16	Excess Billed Demand per Consumer	Kw/KVA				
17	Total Billed Demand per Consumer	Kw/KVA				
B	Sales Revenue					
1	Fixed Charge / Demand Charge	Rs. In Lakhs	328	116	443	5,319
2	Excess Demand Charge	Rs. In Lakhs				
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	328	116	443	5,319
4	Energy Charge	Rs. In Lakhs	3,137	1,500	4,637	55,638
5	Time of Use Charge	Rs. In Lakhs				
6	Power Factor Adjustment	Rs. In Lakhs				
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs				
8	Fuel Cost Adjustment	Rs. In Lakhs	887	405	1,292	15,509
9	Total Charge	Rs. In Lakhs	4,352	2,021	6,372	76,466
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	4,352	2,021	6,372	76,466
C	Sales Revenue					
1	Fixed Charge / Demand Charge	Paise per unit	45	35	42	42
2	Excess Demand Charge	Paise per unit	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	45	35	42	42
4	Energy Charge	Paise per unit	435	455	441	441
5	Time of Use Charge	Paise per unit	-	-	-	-
6	Power Factor Adjustment	Paise per unit	-	-	-	-
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	-	-	-	-
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123
9	Total Charge	Paise per unit	603	613	606	606
10	Prompt Payment Discount	Paise per unit	-	-	-	-
11	Net Sale of Energy	Paise per unit	603	613	606	606

	Particulars		0 - 20 KVA	20-60 KVA	Above 60 KVA	Total	Annual
A	Physical Data						
1	Monthly Consumption	Mkwh	21.58	46.32	13.89	81.79	981.49
2	Unit Sold during peak hours (ToU)	Mkwh					
3	Connected Load	HP/Kw					
4	Contract Demand	KVA					
5	Actual Recorded Demand	Kw/KVA					
6	Normal Billed Demand	Kw	1,08,968	2,35,898	81,152	4,26,018	4,26,018
7	Excess Billed Demand	Kw/KVA	-	-	-	-	-
8	Total Billed Demand	Kw/KVA	1,08,968	2,35,898	81,152	4,26,018	4,26,018
9	Number of Single Phase Consumers	Nos.	-	-	-	-	-
10	Number of Three Phase Consumers	Nos.	6,355	7,417	1,023	14,795	14,795
11	Total Number of Consumers	Nos.	6,355	7,417	1,023	14,795	14,795
12	Power Factor	%					
13	Monthly Consumption per consumer	KWH/Mtr	3,395.30	6,245.58	13,577.76	5,528.26	
14	Normal Billed Demand per Consumer	Kw/KVA	17.15	31.81	79.33	28.79	28.79
16	Excess Billed Demand per Consumer	Kw/KVA	-	-	-	-	-
17	Total Billed Demand per Consumer	Kw/KVA	17.15	31.81	79.33	28.79	28.79
B	Sales Revenue						
1	Fixed Charge / Demand Charge	Rs. In Lakhs	125	366	183	674	8,083
2	Excess Demand Charge	Rs. In Lakhs	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	125	366	183	674	8,083
4	Energy Charge	Rs. In Lakhs	1,046	2,247	674	3,967	47,602
5	Time of Use Charge	Rs. In Lakhs	-	-	-	-	-
6	Reactive Charges	Rs. In Lakhs	-	3	3	6	73
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs	1,046	2,250	677	3,973	47,675
8	Fuel Cost Adjustment	Rs. In Lakhs	265	570	171	1,006	12,072
9	Total Charge	Rs. In Lakhs	1,437	3,185	1,030	5,652	67,830
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	1,437	3,185	1,030	5,652	67,830
C	Sales Revenue						
1	Fixed Charge / Demand Charge	Paise per unit	58	79	131	82	82
2	Excess Demand Charge	Paise per unit	-	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	58	79	131	82	82
4	Energy Charge	Paise per unit	485	485	485	485	485
5	Time of Use Charge	Paise per unit	-	-	-	-	-
6	Reactive Charges	Paise per unit	-	1	2	1	1
7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	485	486	487	486	486
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123	123
9	Total Charge	Paise per unit	666	688	742	691	691
10	Prompt Payment Discount	Paise per unit	-	-	-	-	-
11	Net Sale of Energy	Paise per unit	666	688	742	691	691

	Particulars		First 500 kVA	Above 500 kVA	Total	Annual
A	Physical Data					
1 (a)	0 - 400 units	Mkwh	11.11	7.02	18.13	217.58
1 (b)	400 above units	Mkwh	0.80	0.58	1.38	16.54
1	Monthly Consumption	Mkwh	11.91	7.60	19.51	234.12
2	Unit Sold during peak hours (ToU)	Mkwh	3.77	2.67	6.43	77.20
3	Connected Load	HP/Kw				
4	Contract Demand	Kw/KVA				
5	Actual Recorded Demand	Kw/KVA				
6	Normal Billed Demand	Kw/KVA	46,670	37,805	84,475	84,475
7	Excess Billed Demand	Kw/KVA	-	-	-	-
8	Total Billed Demand	Kw/KVA	46,670	37,805	84,475	84,475
9	Number of Single Phase Consumers	Nos.	-	-	-	-
10	Number of Three Phase Consumers	Nos.	167	42	209	209
11	Total Number of Consumers	Nos.	167	42	209	209
12	Power Factor	%				
13	Monthly Consumption per consumer	KWH/Mtr	71,321.71	1,80,938.21	93,349.90	
14	Normal Billed Demand per Consumer	Kw/KVA	279.46	900.12	404.19	404.19
16	Excess Billed Demand per Consumer	Kw/KVA	-	-	-	-
17	Total Billed Demand per Consumer	Kw/KVA	279.46	900.12	404.19	404.19
B	Sales Revenue					
1	Fixed Charge / Demand Charge	Rs. In Lakhs	79	84	163	1,955
2	Excess Demand Charge	Rs. In Lakhs	-	-	-	-
3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	79	84	163	1,955
4	Energy Charge	Rs. In Lakhs	571	364	935	11,221
5	Time of Use Charge	Rs. In Lakhs	24	27	51	614
6	Power Factor Adjustment	Rs. In Lakhs	(15)	(13)	(28)	(338)
7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Rs. In Lakhs	580	378	958	11,497
8	Fuel Cost Adjustment	Rs. In Lakhs	147	93	240	2,880
9	Total Charge	Rs. In Lakhs	806	555	1,361	16,332
10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-
11	Net Sale of Energy	Rs. In Lakhs	806	555	1,361	16,332
C	Sales Revenue					
1	Fixed Charge / Demand Charge	Paise per unit	67	110	84	84
2	Excess Demand Charge	Paise per unit	-	-	-	-
3	Total Fixed Charge / Demand Charge	Paise per unit	67	110	84	84
4	Energy Charge	Paise per unit	479	479	479	479
5	Time of Use Charge	Paise per unit	21	35	26	26
6	Power Factor Adjustment + NTC	Paise per unit	(13)	(17)	(14)	(14)
7	Energy + ToU + PF Adjustment + NTC (4+5+6+7)	Paise per unit	487	498	491	491
8	Fuel Cost Adjustment	Paise per unit	123	123	123	123
9	Total Charge	Paise per unit	677	731	698	698
10	Prompt Payment Discount	Paise per unit	-	-	-	-
11	Net Sale of Energy	Paise per unit	677	731	698	698

		Particulars	First 500 kVA	Above 500 kVA	Total	Annual	
A		Physical Data					
	1 (a)	0 - 400 units	Mkwh	0.82	3.61	4.43	53.13
	1 (b)	400 above units	Mkwh	0.00	0.26	0.26	3.13
	1	Monthly Consumption	Mkwh	0.82	3.86	4.69	56.26
	2	Unit Sold during peak hours (ToU)	Mkwh	0.28	1.55	1.82	21.89
	3	Connected Load	HP/Kw				
	4	Contract Demand	Kw/KVA				
	5	Actual Recorded Demand	Kw/KVA				
	6	Normal Billed Demand	Kw/KVA	2,951	15,399	18,350	18,350
	7	Excess Billed Demand	Kw/KVA	-	-	-	-
	8	Total Billed Demand	Kw/KVA	2,951	15,399	18,350	18,350
	9	Number of Single Phase Consumers	Nos.	-	-	-	-
	10	Number of Three Phase Consumers	Nos.	10	11	21	21
	11	Total Number of Consumers	Nos.	10	11	21	21
	12	Power Factor	%				
	13	Monthly Consumption per consumer	KWH/Mtr	82,463.79	3,51,239.76	2,23,251.20	
	14	Normal Billed Demand per Consumer	Kw/KVA	295.10	1,399.91	873.81	873.81
	16	Excess Billed Demand per Consumer	Kw/KVA	-	-	-	-
	17	Total Billed Demand per Consumer	Kw/KVA	295.10	1,399.91	873.81	873.81
B		Sales Revenue					
	1	Fixed Charge / Demand Charge	Rs. In Lakhs	4	30	34	409
	2	Excess Demand Charge	Rs. In Lakhs	-	-	-	-
	3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	4	30	34	409
	4	Energy Charge	Rs. In Lakhs	39	183	223	2,671
	5	Time of Use Charge	Rs. In Lakhs	1	12	14	163
	6	Power Factor Adjustment + NTC	Rs. In Lakhs	(1)	(6)	(7)	(79)
	7	Energy + ToU + PF Adjustment + NTC (4+5+6)	Rs. In Lakhs	39	190	230	2,755
	8	Fuel Cost Adjustment	Rs. In Lakhs	10	48	58	692
	9	Total Charge	Rs. In Lakhs	54	268	321	3,856
	10	Prompt Payment Discount	Rs. In Lakhs	-	-	-	-
	11	Net Sale of Energy	Rs. In Lakhs	54	268	321	3,856
C		Sales Revenue					
	1	Fixed Charge / Demand Charge	Paise per unit	50	78	73	73
	2	Excess Demand Charge	Paise per unit	-	-	-	-
	3	Total Fixed Charge / Demand Charge	Paise per unit	50	78	73	73
	4	Energy Charge	Paise per unit	475	475	475	475
	5	Time of Use Charge	Paise per unit	15	32	29	29
	6	Power Factor Adjustment	Paise per unit	(13)	(14)	(14)	(14)
	7	Energy + ToU + PF Adjustment + NTC (4+5+6+7)	Paise per unit	477	492	490	490
	8	Fuel Cost Adjustment	Paise per unit	123	123	123	123
	9	Total Charge	Paise per unit	650	693	685	685
	10	Prompt Payment Discount	Paise per unit	-	-	-	-
	11	Net Sale of Energy	Paise per unit	650	693	685	685

		Particulars	All Units	Total	Annual	
A		Physical Data				
	1	Monthly Consumption	Mkwh	2.21	2.21	26.55
	2	Unit Sold during peak hours (ToU)	KWH			
	3	Connected Load	HP/Kw			
	4	Contract Demand	Kw/KVA			
	5	Actual Recorded Demand	Kw/KVA			
	6	Normal Billed Demand	Kw/KVA			
	7	Excess Billed Demand	Kw/KVA			
	8	Total Billed Demand	Kw/KVA			
	9	Number of Single Phase Consumers	Nos.	505	505	505
	10	Number of Three Phase Consumers	Nos.	1,062	1,062	1,062
	11	Total Number of Consumers	Nos.	1,567	1,567	1,567
	12	Power Factor	%			
	13	Monthly Consumption per consumer	KWH/Mtr	1,412.08	1,412.08	
	14	Connected Load per Consumer	HP/Kw			
	15	Normal Billed Demand per Consumer	Kw/KVA			
	16	Excess Billed Demand per Consumer	Kw/KVA			
	17	Total Billed Demand per Consumer	Kw/KVA			
B		Sales Revenue				
	1	Fixed Charge / Demand Charge	Rs. In Lakhs	0.86	0.86	10.34
	2	Excess Demand Charge	Rs. In Lakhs	-	-	-
	3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	1	1	10
	4	Energy Charge	Rs. In Lakhs	90	90	1,075
	5	Time of Use Charge	Rs. In Lakhs			
	6	Power Factor Adjustment	Rs. In Lakhs			
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs	90	90	1,075
	8	Fuel Cost Adjustment	Rs. In Lakhs	27	27	327
	9	Total Charge	Rs. In Lakhs	118	118	1,412
	10	Prompt Payment Discount	Rs. In Lakhs	-	-	-
	11	Net Sale of Energy	Rs. In Lakhs	118	118	1,412
C		Sales Revenue				
	1	Fixed Charge / Demand Charge	Paise per unit	4	4	4
	2	Excess Demand Charge	Paise per unit	-	-	-
	3	Total Fixed Charge / Demand Charge	Paise per unit	4	4	4
	4	Energy Charge	Paise per unit	405	405	405
	5	Time of Use Charge	Paise per unit	-	-	-
	6	Power Factor Adjustment	Paise per unit	-	-	-
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	405	405	405
	8	Fuel Cost Adjustment	Paise per unit	123	123	123
	9	Total Charge	Paise per unit	532	532	532
	10	Prompt Payment Discount	Paise per unit	-	-	-
	11	Net Sale of Energy	Paise per unit	532	532	532

Form D - 4
Sale of Electrical Energy
2016-17

AGP

		Particulars		Total	Annual
A		Physical Data			
	1	Monthly Consumption	Mkwh	0.08	0.95
	2	Unit Sold during peak hours (ToU)	KWH		
	3	Connected Load	HP/Kw	1,024	1,024
	4	Contract Demand	Kw/KVA		
	5	Actual Recorded Demand	Kw/KVA		
	6	Normal Billed Demand	Kw/KVA		
	7	Excess Billed Demand	Kw/KVA		
	8	Total Billed Demand	Kw/KVA		
	9	Number of Single Phase Consumers	Nos.	3	3
	10	Number of Three Phase Consumers	Nos.	258	258
	11	Total Number of Consumers	Nos.	261	261
	12	Power Factor	%		
	13	Monthly Consumption per consumer	KWH/Mtr	302.75	
	14	Connected Load per Consumer	HP/Kw	3.92	3.92
	15	Normal Billed Demand per Consumer	Kw/KVA		
	16	Excess Billed Demand per Consumer	Kw/KVA		
	17	Total Billed Demand per Consumer	Kw/KVA		
B		Sales Revenue			
	1	Fixed Charge / Demand Charge	Rs. In Lakhs	0.20	2.46
	2	Excess Demand Charge	Rs. In Lakhs	-	-
	3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	0.20	2.46
	4	Energy Charge	Rs. In Lakhs	0.47	5.69
	5	Time of Use Charge	Rs. In Lakhs		
	6	Power Factor Adjustment	Rs. In Lakhs		
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs	0.47	5.69
	8	Fuel Cost Adjustment	Rs. In Lakhs	0.97	11.66
	9	Total Charge	Rs. In Lakhs	1.65	19.81
	10	Prompt Payment Discount	Rs. In Lakhs	-	-
	11	Net Sale of Energy	Rs. In Lakhs	1.65	19.81
C		Sales Revenue			
	1	Fixed Charge / Demand Charge	Paise per unit	26	26
	2	Excess Demand Charge	Paise per unit	-	-
	3	Total Fixed Charge / Demand Charge	Paise per unit	26	26
	4	Energy Charge	Paise per unit	60	60
	5	Time of Use Charge	Paise per unit	-	-
	6	Power Factor Adjustment	Paise per unit	-	-
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	60	60
	8	Fuel Cost Adjustment	Paise per unit	123	123
	9	Total Charge	Paise per unit	209	209
	10	Prompt Payment Discount	Paise per unit	-	-
	11	Net Sale of Energy	Paise per unit	209	209

Sale of Electrical Energy
2016-17

		Particulars		Temporary	Annual
A		Physical Data			
	1	Monthly Consumption	Mkwh	0.03	0.33
	2	Unit Sold during peak hours (ToU)	KWH		
	3	Connected Load	HP/Kw	46	46
	4	Contract Demand	Kw/KVA		
	5	Actual Recorded Demand	Kw/KVA		
	6	Normal Billed Demand	Kw/KVA		
	7	Excess Billed Demand	Kw/KVA		
	8	Total Billed Demand	Kw/KVA		
	9	Number of Single Phase Consumers	Nos.	-	-
	10	Number of Three Phase Consumers	Nos.	-	-
	11	Total Number of Consumers	Nos.	1	1
	12	Power Factor	%		
	13	Monthly Consumption per consumer	KWH/Mtr	27,147.64	3,25,771.66
	14	Connected Load per Consumer	HP/Kw	45.70	45.70
	15	Normal Billed Demand per Consumer	Kw/KVA		
	16	Excess Billed Demand per Consumer	Kw/KVA		
	17	Total Billed Demand per Consumer	Kw/KVA		
B		Sales Revenue			
	1	Fixed Charge / Demand Charge	Rs. In Lakhs	0.35	4.17
	2	Excess Demand Charge	Rs. In Lakhs		
	3	Total Fixed Charge / Demand Charge	Rs. In Lakhs	0.35	4.17
	4	Energy Charge	Rs. In Lakhs	1.36	16.29
	5	Time of Use Charge	Rs. In Lakhs		
	6	Power Factor Adjustment	Rs. In Lakhs		
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Rs. In Lakhs	1.36	16.29
	8	Fuel Cost Adjustment	Rs. In Lakhs	0.33	4.01
	9	Total Charge	Rs. In Lakhs	2.04	24.47
	10	Prompt Payment Discount	Rs. In Lakhs	-	-
	11	Net Sale of Energy	Rs. In Lakhs	2.04	24.47
C		Sales Revenue			
	1	Fixed Charge / Demand Charge	Paise per unit	128	128
	2	Excess Demand Charge	Paise per unit	-	-
	3	Total Fixed Charge / Demand Charge	Paise per unit	128	128
	4	Energy Charge	Paise per unit	500	500
	5	Time of Use Charge	Paise per unit	-	-
	6	Power Factor Adjustment	Paise per unit	-	-
	7	Energy + ToU + PF Adjustment Charge (4+5+6)	Paise per unit	500	500
	8	Fuel Cost Adjustment	Paise per unit	123	123
	9	Total Charge	Paise per unit	751	751
	10	Prompt Payment Discount	Paise per unit	-	-
	11	Net Sale of Energy	Paise per unit	751	751

Form D - 5

Summary of categorywise tariff increase

Category	Units Sold (existing category)	Units Sold (proposed category)	Cost of supply FY 2016-17	Sales Revenue at existing tariff	Sales Revenue at existing tariff	Sales Revenue at proposed tariff	Sales Revenue at proposed tariff	Increase in Sales Revenue	Increase in Sales Revenue	Increase in Sales Revenue	Sales Revenue at existing tariff as % of cost of supply	Sales Revenue at proposed tariff as % of cost of supply
	Mus	Mus	Paise/Unit	Rs. Lakhs	Paise/Unit	Rs. Lakhs	Paise/Unit	Rs. Lakhs	Paise/Unit	%	%	%
1 RGP	686.52	686.52	680	37,033	539.43	37,033	539	-	-	0.00%	79%	79%
2 NRGP	1,260.86	1,260.86	680	76,466	606.46	76,466	606	-	-	0.00%	89%	89%
3 LTMD	981.49	981.49	680	67,830	691.09	67,830	691	-	-	0.00%	102%	102%
4 HTMD-1	234.12	234.12	680	16,332	697.58	16,332	698	-	-	0.00%	103%	103%
5 HTMD-2	56.26	56.26	680	3,856	685.40	3,856	685	-	-	0.00%	101%	101%
6 Agri	0.95	0.95	680	20	208.91	20	209	-	-	0.00%	31%	31%
7 GLP	26.55	26.55	680	1,412	531.89	1,412	532	-	-	0.00%	78%	78%
8 Temp	0.33	0.33	680	24	751.01	24	751	-	-	0.00%	110%	110%
9 BPL	0.01	0.01	680	0	428.71	0	429	-	-	0.00%	63%	63%
Total	3,247.08	3,247.08	680	2,02,973	625.09	2,02,973	625	-	-	0.00%	92%	92%

* There is no proposal to change Tariff for FY 2016-17. However, it is proposed to recover the gap by way of Regulatory Charge.