

GUJARAT ELECTRICITY REGULATORY COMMISSION



Multi-Year Tariff Order

**Aggregate Revenue Requirement for FY 2013-14 to FY 2015-16
and Determination of Tariff for FY 2013-14**

For

Aspen Infrastructures Limited

Case No. 1271 of 2012

8th May 2013

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(GERC)**

AHMEDABAD

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CONTENTS

1. Background and Brief History	1
1.1 Background	1
1.2 Aspen Infrastructures Limited	2
1.3 Commission's Order on the first ARR and Tariff Petition of Aspen Infrastructures Ltd.	2
1.4 Admission of the current petition and the public hearing process.....	3
1.5 Approach for this order	4
1.6 Contents of the Order	4
1.7 Business Plan.....	4
2. Summary of the ARR Petition for FY 2013-14 to FY 2015-16.....	5
2.1 Aggregate Revenue Requirement (ARR) for part of the control period from FY 2013-14 to FY 2015-16.....	5
2.2 Prayers.....	6
3. Determination of the Aggregate Revenue Requirement (ARR) for part of the control period from FY 2013-14 to FY 2015-16 and Retail supply Tariff for FY 2013-14.....	7
3.1 Consumer Forecast	7
3.2 Energy Sales	8
3.3 Distribution Loss	8
3.4 Energy Requirement.....	10
3.5 Power Purchase Cost.....	10
3.6 Operations and Maintenance Expenses	12
3.7 Capital Expenditure Plan	13
3.8 Gross Fixed Assets	15
3.9 Depreciation	16
3.10 Interest on Long-term Loans.....	16
3.11 Return on Equity.....	16
3.12 Income Tax.....	16
3.13 Non-Tariff Income	17
3.15 Aggregate Revenue Requirement.....	17
3.16 Revenue from Existing Tariff.....	18
3.17 Revenue Gap	19
3.18 Tariff determination for FY 2013-14	20
4. Directives	22
4.1 General	22
4.2 Directives.....	22



5. Wheeling Charges and Cross Subsidy Surcharge.....	23
5.1 Introduction.....	23
5.2 Allocation of ARR	23
5.3 Wheeling charges.....	24
5.4 Cross subsidy surcharge	24
6. Fuel and Power Purchase Price Adjustment Charges.....	26
COMMISSION'S ORDER	27
ANNEXURE: TARIFF SCHEDULE FOR FY 2013-14.....	29



LIST OF TABLES

Table 2.1: Aggregate Revenue Requirement projected for the control period from FY 2013-14 to FY 2015-16.....	5
Table 3.1: Number of consumers	7
Table 3.2: Energy sales projected by Aspen	8
Table 3.3: Energy sales approved by the Commission for FY 2013-14 to FY 2015-16.....	8
Table 3.4: Distribution loss projected by Aspen.....	9
Table 3.5: Distribution Loss approved by the Commission for the control period FY 2013-14 to FY 2015-16	9
Table 3.6: Energy Balance projected by Aspen.....	10
Table 3.7: Energy requirement approved by the Commission for the control period from FY 2013-14 to FY 2015-16	10
Table 3.8: Power Purchase Cost projected by Aspen.....	11
Table 3.9: Power Purchase Cost approved by the Commission for the control period for FY 2013-14 to FY 2015-16	11
Table 3.10: O&M expenses projected by Aspen.....	12
Table 3.11: O&M expenses approved by the Commission for the control period FY 2013-14 to FY 2015-16	13
Table 3.12: Year wise Capitalisation projected by Aspen	14
Table 3.13: Gross Fixed Assets-FY 2011-12.....	15
Table 3.14: Gross Fixed Assets-FY 2012-13.....	15
Table 3.15: Gross Fixed Assets-FY 2013-14.....	15
Table 3.16: Gross Fixed Assets-FY 2014-15.....	15
Table 3.17: Gross Fixed Assets-FY 2015-16.....	15
Table 3.18: Income Tax projected by Aspen	16
Table 3.19: Non-Tariff Income projected by Aspen	17
Table 3.20: Aggregate Revenue Requirement projected by Aspen for the control period from FY 2013-14 to FY 2015-16.....	17
Table 3.21: Aggregate Revenue Requirement approved by the Commission for MYT period from FY 2013-14 to FY 2015-16.....	18
Table 3.22: Revenue with existing tariff projected by Aspen for FY 2013-14	19
Table 3.23: Revenue Gap projected by Aspen for FY 2013-14	19
Table 3.24: Revenue Gap approved by the Commission for FY 2013-14	20
Table 5.1: Allocation of matrix for segregation of expenses between distribution wires business and retail supply business	23
Table 5.2: Allocation of ARR between wheeling (wires business) and retail supply business for FY 2013-14.....	24
Table 5.3: Wheeling charges at 11 kV voltage	24
Table 5.4: Wheeling charges at 11 kV voltage	24



ABBREVIATIONS

A&G	Administration and General Expenses
ARR	Aggregate Revenue Requirement
CAPEX	Capital Expenditure
Control Period	FY 2011-12 to FY 2015-16
DISCOM	Distribution Company
EA	Electricity Act, 2003
EHV	Extra High Voltage
FPPPA	Fuel and Power Purchase Price Adjustment
FY	Financial Year
GERC	Gujarat Electricity Regulatory Commission
GFA	Gross Fixed Assets
HT	High Tension
kV	Kilo Volt
kVA	Kilo Volt Ampere
kVAh	Kilo Volt Ampere Hour
kWh	Kilo Watt Hour
LT	Low Tension Power
MGVCL	Madhya Gujarat Vij Company Limited
MU	Million Units (Million kWh)
MW	Mega Watt
MYT	Multi-Year Tariff
O&M	Operations & Maintenance
PF	Power Factor
R&M	Repair and Maintenance
SBI	State Bank of India
SEZ	Special Economic Zone



Before the Gujarat Electricity Regulatory Commission at Ahmedabad

Case No. 1271 of 2012

Date of the Order: 08/05/2013

CORAM

Dr. P. K. Mishra, Chairman
Shri Pravinbhai Patel, Member
Dr. M. K. Iyer, Member

ORDER

1. Background and Brief History

1.1 Background

Aspen Infrastructures Limited (Formerly Synefra Engineering and Construction Limited) (hereinafter referred to as 'Aspen' or 'Petitioner'), a distribution licensee has filed its petition on 27th December, 2012 under section 62, of the Electricity Act, 2003 read with Gujarat Electricity Regulatory Commission (MYT) Regulations, 2011 for determination of Aggregate Revenue Requirement (ARR) for part of the control period from FY 2013-14 to FY 2015-16, and determination of tariff for FY 2013-14.



The Commission conducted preliminary analysis and admitted the petition as Case No. 1271/2012 on 2nd January, 2013. This is the first ARR and Tariff petition of Aspen being considered by the Commission.

1.2 Aspen Infrastructures Limited

Aspen Infrastructures Limited (Aspen), is a Company incorporated under the provisions of the Companies Act, 1956 having its registered office at One Earth-Tree Lounge, Level 2, Hadapsar, Pune.

Aspen Infrastructures Limited (formerly known as Synefra Engineering and Construction Limited) is setting up a sector specific SEZ for High-tech Engineering products and related services at Village Alwa and Pipaliya Taluka Waghodia, District Vadodara under section 3 of SEZ Act, 2005.

Synefra (now Aspen) has been notified as the developer of the SEZ by the Ministry of Commerce and Industry (Department of Commerce), Government of India, vide Notification No. S.O. 1084(E) dated 3rd July, 2007 and granted deemed distribution licensee status.

1.3 Commission's Order on the first ARR and Tariff Petition of Aspen Infrastructures Ltd.

Synefra (now Aspen) filed a Petition for approval of the Truing Up for FY 2008-09, FY 2009-10, and FY 2010-11 under GERC (Terms and Conditions of Tariff) Regulations, 2005 and GERC (Multi-Year Tariff Framework) Regulations, 2007; and approval of Aggregate Revenue Requirement (ARR) for the second Control Period from FY 2011-12 to FY 2015-16, and determination of tariff for FY 2012-13 under GERC (Multi-Year Tariff) Regulations, 2011 and under the relevant Sections of the EA 2003 for its Distribution Business at Vadodara SEZ before the Commission which was admitted by the Commission on 7th September, 2012 as Case no. 1240 of 2012.

The Commission vide its Order dated 20th October, 2012 in Case No. 1240 of 2012 rejected the prayer made by the petitioner for True up of FY 2008-09, FY 2009-10 and FY 2010-11 as the Commission had not approved any ARR for FY 2008-09, FY 2009-10 and FY 2010-11 as it had not been proposed / submitted by the petitioner,



Aspen (formerly Synefra). The Commission decided not to determine ARR for FY 2011-12 and FY 2012-13 as when the petition was filed, the FY 2011-12 was already over and half of the FY 2012-13 was also completed. As the area of said SEZ has two licensees, viz. MGVCL and Aspen (formerly Synefra) and in the light of provisions of Section 62 of the Electricity Act, 2003, the Commission decided to fix only the maximum ceiling of tariff for retail sale of electricity in order to promote competition among distribution licensees. Consequently, the Commission ordered that the MGVCL tariff approved in the Commission's Tariff Order dated 2nd June, 2012, will be the maximum ceiling for Aspen (formerly Synefra).

Further, Aspen (formerly Synefra) was directed to file the Petition for the remaining years of the Control Period, i.e., for FY 2013-14 to FY 2015-16, on or before 30th November, 2012 in accordance with the GERC (Multi-Year Tariff) Regulations, 2011.

1.4 Admission of the current petition and the public hearing process

In compliance of the Commission's Order in Case No. 1240 of 2012, Aspen has filed the present MYT petition for approval of Business Plan and ARR for the remaining years of the control period from FY 2013-14 to FY 2015-16 and determination of tariff for FY 2013-14. The Commission admitted the petition as Case no. 1271 of 2012 on 2nd January, 2013.

In accordance with section 64 of the Electricity Act 2003, the Commission directed Aspen to publish its application in an abridged form to ensure public participation. The public notice was published in the following newspapers inviting objections / suggestions from its stakeholders on the ARR petition filed by it.

Sl.No.	Name of Newspaper	Language	Date of Publication
1	DNZ (Vadodara)	English	17/01/2013
2	Vadodara Samachar	Gujarati	16/01/2013

The interested parties / stakeholders were asked to file their objections / suggestions on the petition on or before 16th February, 2013.

However, neither Aspen nor the Commission has received any objections / suggestions on the petition.



1.5 Approach for this order

Aspen has approached the Commission with the present petition for approval of ARR for MYT period from FY 2013-14 to FY 2015-16 and determination of Retail Supply Tariff for FY 2013-14.

The petition for determination of ARR for MYT period from FY 2013-14 to FY 2015-16 and Retail Supply Tariff for FY 2013-14 has been considered by the Commission as per Gujarat Electricity Regulatory Commission (Multi-Year Tariff) Regulations, 2011.

1.6 Contents of the Order

The order is divided in to six chapters as under.

1. The **First Chapter** provides the background regarding the petitioner, the petition and details of the public hearing process.
2. The **Second Chapter** outlines the summary of ARR petition filed by Aspen for FY 2013-14 to FY 2015-16.
3. The **Third Chapter** deals with determination of ARR for FY 2013-14 to FY 2015-16 and retail supply tariff for FY 2013-14.
4. The **Fourth Chapter** deals with directives of the Commission.
5. The **Fifth Chapter** deals with Wheeling charges and Cross subsidy surcharge for FY 2013-14.
6. The **Sixth Chapter** deals with Fuel and Power Purchase Price Adjustment (FPPPA).

1.7 Business Plan

Aspen has submitted the Business Plan for the remaining years of the control period i.e. for period from FY 2013-14 to FY 2015-16, in accordance with the directives of the Commission. The Commission has taken note of the same.

2. Summary of the ARR Petition for FY 2013-14 to FY 2015-16

2.1 Aggregate Revenue Requirement (ARR) for part of the control period from FY 2013-14 to FY 2015-16

Aspen Infrastructures Limited has submitted the petition on 24th December, 2012 seeking approval of Aggregate Revenue Requirement for the remaining years of the control period from FY 2013-14 to FY 2015-16 and determination of Retail Supply Tariff for FY 2013-14.

Aspen has projected the Aggregate Revenue Requirement for part of the control period as detailed below:

Table 2.1: Aggregate Revenue Requirement projected for FY 2013-14 to FY 2015-16

(in Rs.)				
Sr. No	Particulars	FY 2013-14	FY 2014-15	FY 2015-16
1	Power Purchase Expenses	9,01,04,308	15,96,50,826	20,20,37,737
2	O&M Expenses			
	i) Employee Expenses	2,47,307	2,72,038	2,99,241
	ii) R&M Expenses	3,75,000	3,75,000	3,75,000
	iii) A&G Expenses	22,95,120	23,84,632	24,83,095
3	Depreciation	0	0	0
4	Interest on Long-term Loan Capital	0	0	0
5	Other Expenses	0	0	0
6	Income Tax	0	0	0
7	Total Revenue Expenditure	9,30,21,735	16,26,82,496	20,51,95,073
8	Return on Equity	0	0	0
9	Less: Non-Tariff Income	21,43,572	21,43,572	21,43,572
10	Aggregate Revenue Requirement	9,08,78,163	16,05,38,924	20,30,51,501



2.2 Prayers

Aspen has requested the Commission to,

- Approve the Business Plan for FY 2013-14 to FY 2015-16 as proposed in this petition.
- Approve the MYT petition for the remaining years of the second control period from FY 2013-14 to FY 2015-16.
- Allow Aspen to continue to charge the consumers within the SEZ area at the same tariff that shall be applicable for the respective category of consumers in the MGVCL area of supply for FY 2013-14.
- Condone any inadvertent omissions/errors/short comings and permit Aspen to change/modify/alter this filing and make further submissions as may be required at a future date.
- Pass such other orders as are deemed fit based on the facts of the present case.



3. Determination of the Aggregate Revenue Requirement (ARR) for part of the control period from FY 2013-14 to FY 2015-16 and Retail supply Tariff for FY 2013-14

The ARR of the distribution licensee consists of power purchase cost, O&M cost and other capex related costs. Out of these costs the power purchase cost constitutes the major part of the ARR. As such a realistic estimation of category-wise energy sales for the period FY 2013-14 to FY 2015-16 is essential to arrive at the quantum of energy to be purchased and the related expenses. The components of the ARR projected by Aspen in its petition for the period FY 2013-14 to FY 2015-16 are discussed in the chapter.

3.1 Consumer Forecast

Aspen has submitted that it is setting up a sector specific SEZ for Hi-tech Engineering products and related services and has only industrial units (i.e., industrial consumers). Therefore, Aspen can be said to be a niche class of Distribution Licensee.

At present, only a few units are operational. Further, as a result of the general economic slowdown, the other units have been delayed and are yet to be operational. New units will be coming gradually based on overall economic conditions. Hence, it is very difficult to assess the number of consumers and sales for Aspen license area for part of the control period. Based on the indications given by Industrial Consumers, Aspen has submitted the number of consumers for the control period as given in the Table below:

Table 3.1: Number of consumers

(in Numbers)

Particulars	FY 2011-12 (Actual)	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Number of consumers	6	10	15	16	16



3.2 Energy Sales

Aspen has provided data on actual energy sales for the FY 2011-12 and FY 2012-13 and projected the energy sales for the ensuing years based on actual past consumption and its assessment of future expansion of Aspen operations. Sales projected for the control period as furnished by Aspen are given in the Table below:

Table 3.2: Energy sales projected by Aspen

Particulars	(in units)				
	FY 2011-12 (Actual)	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Sales	8021708	6964989	12811976	21855768	28066680

Commission's Analysis

The Commission has examined the forecast of number of installations, demand and energy sales projected by Aspen for part of the control period. It is observed that the forecast is based on the estimation of number of installations, likely demand and energy sales.

As Aspen is in development stage, some of the consumers have established industries and some are in the process of doing so. It is submitted by Aspen that the projection of number of installations, the demand and the energy sales for part of the control period are based on indications given by the prospective developers.

The Commission, therefore, approves the number of installations and the energy sales projected for the period from FY 2013-14 to FY 2015-16 and any variation will be considered during truing up. **The energy sales for part of the control period from FY 2013-14 to FY 2015-16 as approved are given in the Table below:**

Table 3.3: Energy sales approved by the Commission from FY 2013-14 to FY 2015-16

Particulars	(in MUs)		
	FY 2013-14	FY 2014-15	FY 2015-16
Energy sales	12.81	21.86	28.07

3.3 Distribution Loss

Aspen has projected the distribution loss of 3.30% for the FY 2013-14 with a gradual reduction of 0.30% per annum during the control period as detailed in the Table below.



Table 3.4: Distribution loss projected by Aspen

Particulars	FY 2011-12 (Actual)	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Distribution Loss	2.17%	3.60%	3.30%	3.00%	2.70%

Aspen has stated that all its consumers are metered and the sales are based on the energy billed by the readings of meters. The distribution losses have been computed by subtracting the energy sales from the energy input into Aspen system (entirely purchased from MGVCL). On 31st March, 2011 there were only 3 units which were involved in various industrial activities in the SEZ, amounting total license area load of around 5 MVA and is being catered through 2x25 MVA 66/33 KV transformers. Aspen has stated that the distribution losses have increased in FY 2012-13 on account of reduction in sales and increase in the distribution network.

Commission Analysis:

Since the network is still being developed to serve the consumers who will set up units in different parts of the SEZ, the network may be underutilized in the initial years. The power transformers etc. would be underloaded till the load develops. Since all the consumers are metered and the distribution loss is arrived at by subtracting the energy consumed from energy input (metered), the Commission approves the distribution loss projected for the period FY 2013-14 to FY 2015-16 as detailed in the Table below:

Table 3.5: Distribution Loss approved by the Commission from FY 2013-14 to FY 2015-16

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
Distribution Loss %	3.30%	3.00%	2.70%

The Commission approves the distribution loss as indicated in the table above for part of the control period.

The loss levels will however be reviewed based on the actual.

3.4 Energy Requirement

Aspen has computed the energy requirement for the control period from FY 2013-14 to FY 2015-16 considering distribution losses and the projected energy sales in the licensed area as shown in the Table below:

Table 3.6: Energy Balance projected by Aspen

Particulars	FY 2011-12 (Actual)	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Energy Sales (units)	80,21,708	69,64,989	1,28,11,976	2,18,55,768	2,80,66,680
Distribution Loss (%)	2.17%	3.60%	3.30%	3.00%	2.70%
Distribution Loss (Units)	1,77,952	2,60,103	4,37,224	6,75,952	7,78,829
Energy requirement after loss (Units)	81,99,660	72,25,092	1,32,49,200	2,25,31,720	2,88,45,509

Commission's Analysis:

The Commission approves the energy requirement as detailed in the Table below:

Table 3.7: Energy requirement approved by the Commission from FY 2013-14 to FY 2015-16

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
Energy Sales (MUs)	12.81	21.85	28.07
Distribution Loss (%)	3.30%	3.00%	2.70%
Distribution Loss (MUs)	0.44	0.68	0.78
Energy requirement (MUs)	13.25	22.53	28.85

3.5 Power Purchase Cost

Aspen has submitted that it has entered into an agreement with MGVCL for 10 MVA power at 66 KV under which it is getting power at single point at 66 KV under HTP-1 category from where it is further distributing within the SEZ area. As a result of the general economic slowdown, Aspen requested MGVCL for reduction in contract demand from 10 MVA to 5 MVA.

Aspen has projected power purchase cost for the control period from FY 2013-14 to FY 2015-16 as detailed in the Table below. It is further submitted that the power



Aspen Infrastructures Limited
Aggregate Revenue Requirement for FY 2013-14 to FY 2015-16
and Determination of Tariff for FY 2013-14

purchase cost is inclusive of fuel surcharge at 124 paise per unit as per MGVL circular dated 01.08.2012.

Table 3.8: Power Purchase Cost projected by Aspen

Particulars	FY 2011-12 (actual)	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Power Purchase (Units)	81,99,660	72,25,092	1,32,49,200	2,25,31,720	2,88,45,509
Power Purchase Cost (Rs.)	5,35,47,907	5,17,03,058	9,01,04,308	15,96,50,826	20,20,37,737
Cost per Unit (Rs./kWh)	6.53	7.16	6.80	7.09	7.00

Aspen has requested the Commission to allow Aspen to continue purchasing its power requirement from MGVL till the load inside SEZ develops.

Commission's Analysis:

In normal course the distribution licensee shall procure power on long-term basis based on competitive bidding process as per the guidelines issued by Ministry of Power, Government of India. Since Aspen has recently begun its operations and requires small quantum of power initially, it cannot go for long-term competitive bidding as no generator may respond for such a small quantum of power. Hence, the proposal of Aspen to procure power from MGVL as a HT consumer is approved. Aspen has to explore the possibility of getting power at competitive rates as and when the load develops in SEZ area. The power purchase cost projected by Aspen is approved subject to true up. The cost of Power Purchase and the unit rates approved are detailed in the Table below:

Table 3.9: Power Purchase Cost approved by the Commission from FY 2013-14 to FY 2015-16

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
Power Purchase (MUs)	13.25	22.53	28.85
Power Purchase Cost (Rs. lakh)	901.04	1596.51	2020.38
Cost per Unit (Rs./kWh)	6.80	7.09	7.00



3.6 Operations and Maintenance Expenses

Aspen has submitted that the operation and maintenance expenses comprise of Employee expenses, Repairs and Maintenance (R&M) expenses and A&G expenses. Aspen has submitted that it had outsourced the O&M of power distribution system and security services. Accordingly, the agency provides the skilled man power required for O&M and security services. Aspen has stated that it has considered a 10% year on year escalation over FY 2011-12 (actuals) for O&M expenses of the distribution business.

R&M expenses comprise of expenses incurred for maintenance and upkeep of distribution system. During the year FY 2011-12 R&M expenses were NIL. However, it has been submitted that Aspen has incurred considerable R&M expenses in the past years and during FY 2012-13. Aspen has considered a constant amount of Rs. 3.75 Lakh per annum, which works out to 0.25% of GFA. Hence, it has requested to approve the same for proper maintenance of the system.

Aspen has submitted that till such time the full load gets developed in its licensed area, it intends to continue undertaking the O&M services through the service providing agency.

Thus, Aspen has projected O&M expenses for FY 2011-12 and FY 2012-13 and the control period from FY 2013-14 to FY 2015-16 as detailed in the Table below:

Table 3.10: O&M expenses projected by Aspen

(Rs.)					
Particulars	FY 2011-12 (actual)	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Employee Expenses	2,04,386	2,24,824	2,47,307	2,72,038	2,99,241
R&M Expenses	0	3,75,000	3,75,000	3,75,000	3,75,000
A&G Expenses	12,39,768	22,13,745	22,95,120	23,84,632	24,83,095
Total O&M Expenses	14,44,154	28,13,570	29,17,426	30,31,670	31,57,336

Commission's Analysis:

The Commission has examined the O&M expenses projected by Aspen for part of the control period from FY 2013-14 to FY 2015-16.



Aspen Infrastructures Limited
Aggregate Revenue Requirement for FY 2013-14 to FY 2015-16
and Determination of Tariff for FY 2013-14

Aspen has incurred an expenditure of Rs. 14.44 lakh during the FY 2011-12 towards employee expenses and A&G expenses. The R&M expenses during FY 2011-12 are NIL. As per Regulation 85.4 of GERC MYT Regulations, 2011, the average of actual of O&M expenses for three years ending 31st March, 2010 shall be escalated at 4% for FY 2011-12 and further escalated at 5.72% per annum thereafter for each year of the control period. However, in case of Aspen no ARR was approved by the Commission for the period prior to FY 2013-14. Accordingly, the actual O&M expenses for FY 2011-12 as furnished by Aspen is escalated at 5.72% to arrive at O&M expenses for FY 2012-13. In addition, an amount of Rs. 3.75 lakh for R&M during FY 2012-13 is added to arrive at the O&M expenses for FY 2012-13. Then after, the O&M expenses of FY 2012-13 is escalated by 5.72% for each year of the control period, as shown below.

Table 3.11: O&M expenses approved by the Commission from FY 2013-14 to FY 2015-16

(Rs. lakh)

Sr. No.	Year	O&M expenses
1	FY 2013-14	20.11
2	FY 2014-15	21.26
3	FY 2015-16	22.47

The Commission approves O&M expenses for part of the control period as indicated in the table above.

3.7 Capital Expenditure Plan

Aspen has submitted that, being a deemed distribution licensee, it is in the process of developing the network for power distribution to various unit holders in the SEZ area.

All the new units are expected to come up during this control period. Aspen has submitted that it plans to undertake the following capital investments for development of distribution network so as to meet the requirement of power for its consumers. These capital investments are mainly related to:

- Development of a 33/11 KV new sub-station with 2*2.5 MVA capacity distribution transformers which is fed through the main 66/33 KV sub-station.
- Development of 11KV and/or 33 kV underground distribution network in order to extend HT supply to prospective unit holders.



Aspen Infrastructures Limited
Aggregate Revenue Requirement for FY 2013-14 to FY 2015-16
and Determination of Tariff for FY 2013-14

Accordingly, Aspen has projected year wise capitalisation as shown in the Table below:

Table 3.12: Year wise Capitalisation projected by Aspen

(Rs.)

Year	Capitalisation
FY 2011-12	0
FY 2012-13	4,65,04,909
FY 2013-14	7,26,40,496
FY 2014-15	0
FY 2015-16	0

Aspen has submitted that, after development of the new sub-station, there may not be any substantial electricity infrastructure development due to redefined growth in terms of number of consumers.

It is also submitted by Aspen that the projected capital expenditure is proposed to be funded through consumer contributions. The prospective unit holders will be charged (non-refundable) consumer contribution towards development and utilization of entire electrical assets/infrastructure on their share of utilization of such network.

It is also submitted by Aspen that the supply area is totally new, where there is no electricity distribution infrastructure and the proposed capital investment is necessary for ensuring quality and reliable power to unit holders and hence requested to approve the total capital investment proposed.

Commission's Analysis:

Aspen has to provide the infrastructure in the SEZ area to meet the demand of the consumers coming up in the area during the control period. The network has to be developed in a planned manner to meet the demand as and when it comes up.

Since Aspen SEZ is in the process of development, the Commission accords in principle approval for the capital expenditure and capitalization proposed for FY 2013-14 to FY 2015-16.

Aspen has proposed year wise capital expenditure and its capitalisation in the same year.

Since, the entire Capex is funded through consumer contributions, depreciation, interest on loan and return on equity are not considered on the Capex/capitalization.



The Commission approves the capitalisation of entire Capex during the period as proposed by Aspen.

3.8 Gross Fixed Assets

Aspen projected opening and closing GFA for the control period from FY 2013-14 to FY 2015-16 as detailed in the Tables below:

Table 3.13: Gross Fixed Assets-FY 2011-12

(Rs.)

Particulars	Opening GFA	Additions during the year	Closing GFA
Land-Freehold	14,75,642	-	14,75,642
Plant & Machinery	6,65,27,335	-	6,65,27,335

Table 3.14: Gross Fixed Assets-FY 2012-13

(Rs.)

Particulars	Opening GFA	Additions during the year	Closing GFA
Land-Freehold	14,75,642	-	14,75,642
Plant & Machinery	6,65,27,335	4,65,04,909	11,30,32,244

Table 3.15: Gross Fixed Assets-FY 2013-14

(Rs.)

Particulars	Opening GFA	Additions during the year	Closing GFA
Land-Freehold	14,75,642	-	14,75,642
Plant & Machinery	11,30,32,244	7,26,40,496	18,56,72,740

Table 3.16: Gross Fixed Assets-FY 2014-15

(Rs.)

Particulars	Opening GFA	Additions during the year	Closing GFA
Land-Freehold	14,75,642	-	14,75,642
Plant & Machinery	18,56,72,740	-	18,56,72,740

Table 3.17: Gross Fixed Assets-FY 2015-16

(Rs.)

Particulars	Opening GFA	Additions during the year	Closing GFA
Land-Freehold	14,75,642	-	14,75,642
Plant & Machinery	18,56,72,740	-	18,56,72,740



Commission's Analysis:

The Commission has examined the year wise opening and closing GFA projected by Aspen which is in accordance with the Capex and capitalisation projected by Aspen. Hence, the same is approved.

However, since the entire GFA is built up with consumer contributions, depreciation, interest on loans and return on equity are not admissible.

3.9 Depreciation

Aspen has not claimed any depreciation on the assets as all the assets have been funded through consumer contributions.

3.10 Interest on Long-term Loans

Aspen has submitted that it does not have any loan outstanding against distribution business as the entire capital investment is funded through consumer contributions and hence no interest and finance charges have been considered during the control period.

3.11 Return on Equity

Aspen has not claimed any Return on Equity as the entire proposed assets are funded through consumer contribution.

3.12 Income Tax

Aspen has projected income tax as detailed in the Table below:

Table 3.18: Income Tax projected by Aspen

(Rs.)					
Particulars	FY 2011-12 (actual)	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Income Tax	3,37,393	0	0	0	0

Commission's Analysis:

Aspen has not claimed any tax on income during the control period. As the entire assets are funded through consumer contribution, Aspen has not claimed any amount towards return on equity. As return on equity is considered as zero for part of the control period, the Commission has not considered any amount towards Income Tax for part of the control period, as proposed by the petitioner.



3.13 Non-Tariff Income

Aspen submitted that it has paid security deposit of Rs. 3,57,26,200 to MGVL. The interest receivable by Aspen on this security deposit from MGVL has been considered under Non-Tariff Income as shown in the Table below:

Table 3.19: Non-Tariff Income projected by Aspen

(Rs.)

Particulars	FY 2011-12 (actual)	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Non-Tariff Income	21,43,572	21,43,572	21,43,572	21,43,572	21,43,572

Commission's Analysis:

The Commission has examined the non-tariff income projected by Aspen, which is the interest on security deposit held with MGVL at 6% per annum. The same is in order. Hence, the non-tariff income as projected for the FY 2013-14 to FY 2015-16 is approved by the Commission.

3.14 Aspen has not claimed the interest on security deposit from the consumers and interest on working capital.

3.15 Aggregate Revenue Requirement

Aspen has projected Aggregate Revenue Requirement for part of the control period as detailed in the Table below.

Table 3.20: Aggregate Revenue Requirement projected by Aspen from FY 2013-14 to FY 2015-16

(Rs.)

Sr. No	Particulars	FY 2013-14	FY 2014-15	FY 2015-16
1	Power Purchase Expenses	9,01,04,308	15,96,50,826	20,20,37,737
2	O&M Expenses			
	i) Employee Expenses	2,47,307	2,72,038	2,99,241
	ii) R&M Expenses	3,75,000	3,75,000	3,75,000
	iii) A&G Expenses	22,95,120	23,84,632	24,83,095
3	Depreciation	0	0	0
4	Interest on Long-term Loan Capital	0	0	0
5	Other Expenses	0	0	0
6	Income Tax	0	0	0



Aspen Infrastructures Limited
Aggregate Revenue Requirement for FY 2013-14 to FY 2015-16
and Determination of Tariff for FY 2013-14

Sr. No	Particulars	FY 2013-14	FY 2014-15	FY 2015-16
7	Total Revenue Expenditure	9,30,21,735	16,26,82,496	20,51,95,073
8	Return on Equity	0	0	0
9	Less: Non-Tariff Income	21,43,572	21,43,572	21,43,572
10	Aggregate Revenue Requirement	9,08,78,163	16,05,38,924	20,30,51,501

Commission's Analysis:

As discussed in the above paragraphs, the Commission approves the Aggregate Revenue Requirement for part of the control period from FY 2013-14 to FY 2015-16 as given in the Table below:

Table 3.21: Aggregate Revenue Requirement approved by the Commission from FY 2013-14 to FY 2015-16

(Rs. lakh)				
Sr. No	Particulars	FY 2013-14	FY 2014-15	FY 2015-16
1	Power Purchase Cost	901.04	1596.51	2020.38
2	O&M Expenses	20.11	21.26	22.47
	i) Employee Expenses	-	-	-
	ii) R&M Expenses	-	-	-
	iii) A&G Expenses	-	-	-
3	Depreciation	-	-	-
4	Interest on Long-term Loan Capital	-	-	-
5	Other Expenses	-	-	-
6	Income Tax	-	-	-
7	Total Revenue Expenditure	921.15	1617.76	2042.85
8	Return on Equity	-	-	-
9	Less: Non-Tariff Income	21.44	21.44	21.44
10	Aggregate Revenue Requirement	899.71	1596.33	2021.41

The Commission approves ARR as indicated in the above table for part of the control period.

3.16 Revenue from Existing Tariff

Aspen has projected the revenue from existing tariff at Rs. 10,20,51,072 for FY 2013-14 as detailed in the Table below:



Aspen Infrastructures Limited
Aggregate Revenue Requirement for FY 2013-14 to FY 2015-16
and Determination of Tariff for FY 2013-14

Table 3.22: Revenue with existing tariff projected by Aspen for FY 2013-14

Sl. No.	Category	No. of consumers	CMD (KVA)	Sales (Units)	FC (Rs)	Energy charges (Rs)	Total (Rs)	Average Revenue (Rs/KWH)
1	HTP 1	13	9950					
2	Billed Demand		8457.50	12740900	30646500	54119316	84765816	
3	Time of use charge						2160000	
4	FCA						15798716	
5	Less PF Adjustment						(1083991)	
6	Total (2+3+4-5)						101640541	7.98
7	Non RGP	2	34.50					
8	Billed Demand		34.50	71076	16770	305627	322397	
9	FCA						88134	
10	Total (8+9)						410531	5.78
11	Grand Total (6+10)	15	9984.50	12811976			102051072	7.97

Commission's Analysis

The Commission considers revenue with existing tariff at Rs. 1020.51 lakh for the year 2013-14, as proposed by Aspen.

3.17 Revenue Gap

Based on the above ARR and revenue at existing tariff, Aspen has projected a revenue surplus of Rs 1,11,72,909 as detailed in the Table below:

Table 3.23: Revenue Gap projected by Aspen for FY 2013-14

Particulars	(Rs.)
ARR	90878163
Revenue for existing tariff	102051072
Revenue Gap/(Surplus)	(1,11,72,909)

Commission's Analysis:

The revenue surplus for FY 2013-14 with approved ARR and revenue with existing tariff is detailed in the Table below:



Table 3.24: Revenue Gap approved by the Commission for FY 2013-14

Particulars	(Rs. lakh)
ARR	899.71
Revenue for existing tariff	1020.51
Revenue Gap/(Surplus)	(120.80)

Accordingly, the Commission approves the revenue surplus of Rs. 120.80 lakh.

3.18 Tariff determination for FY 2013-14

Aspen submitted that its licence area overlaps with the licence area of MGVL, and thus, falls under the situation envisaged under the proviso to Section 62 (1) of the EA 2003. Further, consumers have opted to set up their Units within the SEZ area, under the presumption that the electricity tariff will be the same as that applicable within MGVL's area of supply, and the consumers would not be adversely affected by virtue of opting to set up their Units within the SEZ. It will also create a lot of problems if the tariffs within the SEZ and outside the SEZ for the same category of consumer are different, and may result in migration of consumers outside the licence area.

In view of the above, Aspen has requested the Commission to allow Aspen to continue to charge consumers in SEZ area at the same tariff that shall be applicable for the respective consumers in MGVL area of supply for FY 2013-14.

Commission's Analysis

The Commission in its order dated 20th October, 2012 in Case No. 1240 of 2012 in the matter of Aspen (formerly Synefra) has ruled as under:

*As the area of said SEZ has two licensees, viz. MGVL and Synefra and in the light of provisions of Section 62 of the Electricity Act, 2003, the Commission decides to fix only the maximum ceiling of tariff for retail sale of electricity in order to promote competition among distribution licensees. **Consequently, the Commission decides that the MGVL tariff approved in the Commission's Tariff Order dated 2nd June 2012, will be the maximum ceiling for Synefra.***



As Aspen SEZ is still in the process of development, the Commission decides to continue with the above approach. **Accordingly, the Commission considers the request of Aspen and decides that the MGVL's tariff approved in the Commission's Tariff Order dated 16th April, 2013 will be the maximum ceiling for retail supply in SEZ area of Aspen in accordance with the tariff schedule annexed to this Order.**



4. Directives

4.1 General

It is observed from the MYT petition filed by Aspen for part of the control period from FY 2013-14 to FY 2015-16 that there are some issues which need immediate attention of Aspen. In this context the Commission considered it necessary to issue the following directives to Aspen.

4.2 Directives

Directive 1: Map of Aspen SEZ

Aspen is directed to furnish a scaled map of Aspen SEZ with the licensed area of power supply. It should mark the interface points of power supply with existing and proposed network and the areas where the industries are likely to come up etc. for information of the Commission.

Directive 2: Maintenance of separate accounts for distribution business.

Aspen is directed to submit separate Annual Accounts such as Balance Sheet, Profit and Loss account with relevant schedules and statements for distribution business in the SEZ area every year, duly audited by Statutory Auditor.



5. Wheeling Charges and Cross Subsidy Surcharge

5.1 Introduction

Regulation 88.1 of MYT Regulations, 2011 stipulates that the Commission shall specify the wheeling charges of distribution wires business of the distribution licensee in the ARR and Tariff Order.

Aspen has not provided the allocation methodology between the wheeling and retail supply business. The Commission has, however, segregated the expenses between the distribution works business and retail supply business as per the allocation matrix given in Regulation 81.1 of MYT Regulation, 2011.

The Regulations provide the allocation matrix as below:

Table 5.1: Allocation of matrix for segregation of expenses between distribution wires business and retail supply business

Sr. No.	Particulars	Wires Business (%)	Retail supply Business (%)
1.	Power purchase expenses	0	100
2.	Employee expenses	60	40
3.	A&G expenses	50	50
4.	R&M expenses	90	10
5.	Depreciation	90	10
6.	Interest on long-term capital investment	90	10
7.	Interest on working capital and consumer security deposit	10	90
8.	Bad debts written off	0	100
9.	Income tax	90	10
10.	Transmission charges	0	100
11.	Contribution to contingency reserve, if any.	100	0
12.	Return on equity	90	10
13.	Non-tariff income	10	90

5.2 Allocation of ARR

The approved ARR for wires business and retail supply business for FY 2013-14 are computed as shown below:



Table 5.2: Allocation of ARR between wheeling (wires business) and retail supply business for FY 2013-14

(Rs. lakh)

Sr. No.	Cost components	Total	Wheeling (Wires Business)	Retail Supply
1.	Power purchase expenses	901.00	-	901.00
2.	Employee cost	1.73	1.04	0.69
3.	A&G expenses	15.74	7.87	7.87
4.	R&M cost	2.63	2.37	0.26
5.	Depreciation			
6.	Interest on long-term loans			
7.	Interest security deposit			
8.	Interest on working capital			
9.	Return on equity			
	Total	921.10	11.29	909.82

5.3 Wheeling charges

The wheeling charge at 11 kV voltage is given in the table below:

Table 5.3: Wheeling charges at 11 kV voltage

Sr. No.	Particulars	Units	Amount
1.	Total distribution cost (wheeling cost)	Rs. lakh	11.28
2.	Energy input at 11 kV	LU	132.00
3.	Wheeling charge at 11 kV	Ps/kWh	8.60

It is observed from the above table that the wheeling charges from Aspen distribution network work out to be low when compared with the wheeling charges of other distribution licensees in the State. This is due to the distribution network being small and the entire capital comes from the consumers.

Table 5.4: Wheeling charges at 11 kV voltage

Sr. No.	Particulars	Units	Amount
1.	Wheeling charges at 11 kV	Ps.	9.0

5.4 Cross subsidy surcharge

The cross subsidy surcharge is based on the formula given in the Tariff Policy as below:



Aspen Infrastructures Limited
Aggregate Revenue Requirement for FY 2013-14 to FY 2015-16
and Determination of Tariff for FY 2013-14

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

Where,

S is the surcharge

T is the tariff payable by the relevant category of consumers;

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

D is the Wheeling charges.

L is the system losses for the applicable voltage level, expressed as percentage.

The cross subsidy surcharge based on the above formula is worked out as shown in the Table below:

Table 5.5: Cross subsidy surcharge for FY 2013-14

Sl. No.	Particular	HT industry
1	T	Rs. 5.56 / kWh
2	C	Rs. 6.80 /kWh
3	D	9 Ps/kWh
4	L	3.30%
5	S = cross subsidy surcharge	Ps/kWh

Cross subsidy surcharge

$$\text{For H.T.} \quad : S = 5.56 - [6.80(1 + 3.30/100) + 0.09] = \text{Rs. } -1.5544 \text{ /kWh}$$

Based on the above calculations, the cross subsidy surcharge should normally be zero. But, in order to ensure a level playing field for all Open Access consumers and licensees in the State, the Commission decides to keep the uniform aggregate wheeling charges and cross-subsidy surcharge for all Open Access consumers in the State.

In the case of State owned Discom, the wheeling charge and cross-subsidy surcharge works out as 12 paise/kWh and 45 paise/kWh, respectively, for the FY 2013-14. Hence, the total wheeling charges and cross-subsidy surcharge works out to 57 paise/kWh.

As the Commission has determined the wheeling charges at 9 paise/kWh, the cross-subsidy surcharge is now fixed at 48 paise/kWh for FY 2013-14 for Open Access consumers of Aspen distribution area.



6. Fuel and Power Purchase Price Adjustment Charges

Aspen is sourcing power from MGVL for meeting its power requirement for its licensed area. Aspen purchases power from MGVL at the tariff applicable to HTP-I consumers.

Since Aspen is treated as a consumer under HTP-I tariff category, MGVL is charging FPPA to Aspen as in case of other consumers. The FPPA being charged presently is 124 Ps./ unit, which varies every quarter in accordance with the formula approved by the Commission.

As such, Aspen shall charge its consumers FPPA at the rate applied to it by MGVL.

COMMISSION'S ORDER

The Commission approves the Aggregate Revenue Requirement (ARR) for Aspen for FY 2013-14 as shown in the following table:

(Rs. lakh)		
Sr. No.	Particulars	Approved for FY 2013-14
1	Power Purchase Cost	901.04
2	O&M expenses	20.11
3	Total ARR	921.15
4	Less: Non-Tariff Income	21.44
5	Net ARR	899.71

The approved ceiling for retail supply tariff will be in accordance with the Tariff schedule annexed to this order. The order shall be effective from 1st April, 2013.

Sd/- _____ DR. M.K. IYER Member	Sd/- _____ SHRI PRAVINBHAI PATEL Member	Sd/- _____ DR. P.K. MISHRA Chairman
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Place: Ahmedabad

Date: 08/05/2013





ANNEXURE: TARIFF SCHEDULE FOR FY 2013-14

TARIFF SCHEDULE

EFFECTIVE FROM 1ST APRIL, 2013

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

GENERAL

1. The tariff figures indicated in this tariff schedule are the tariff rates payable by the consumers of unbundled Distribution Licensees of the erstwhile GEB viz. UGVCL, DGVCL, MGVCL and PGVCL.
2. These tariffs are exclusive of Electricity Duty, tax on sale of electricity, taxes and other charges levied by the Government or other competent authorities from time to time which are payable by the consumers, in addition to the charges levied as per the tariff.
3. All these tariffs for power supply are applicable to only one point of supply.
4. The charges specified are on monthly basis. Distribution Licensee may decide the period of billing and adjust the tariff rate accordingly.
5. 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.
6. Meter charges shall be applicable as prescribed under 'GERC (Licensee's Power to Recover Expenditure incurred in providing supply and other Miscellaneous Charges) Regulations, 2005 as in force from time to time.
7. 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.
8. 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.
9. The billing of fixed charges based on contracted load or maximum demand shall be done in multiples of 0.5 (one half) Horse Power or kilo watt (HP or kW) 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 one kilo-watt-hour (kWh).



10. The Connected Load for the purpose of billing will be taken as the maximum load connected during the billing period.
11. 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.
12. Contract Demand shall mean the maximum kW / kVA for the supply of which licensee undertakes to provide facilities to the consumer from time to time.
13. Fuel Cost and Power Purchase Adjustment Charges shall be applicable in accordance with the Formula approved by the Gujarat Electricity Regulatory Commission from time to time.
14. 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.
15. 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 licensee shall be entitled to take any other action deemed necessary and authorized under the Act.
16. Delayed payment charges for all consumers:

No delayed payment charges shall be levied if the bill is paid within ten days from the date of billing (excluding date of billing).

Delayed payment charges will be levied at the rate of 15% per annum in case of all consumers except Agricultural category for the period from the due date till the date of payment if the bill is paid after due date. Delayed payment charges will be levied at the rate of 12% per annum for the consumer governed under Rate AG from the due date till the date of payment if the bill is paid after due date.

For Government dues, the delayed payment charges will be levied at the rate provided under the relevant Electricity Duty Act.



PART - I

**SCHEDULE OF TARIFF FOR SUPPLY OF ELECTRICITY
AT LOW AND MEDIUM VOLTAGE**

1.0 RATE: RGP

This tariff is applicable to all services in the residential premises which are not covered under 'Rate: RGP (Rural)' Category.

Single-phase supply- Aggregate load up to 6kW

Three-phase supply- Aggregate load above 6kW

1.1 FIXED CHARGES / MONTH:

Range of Connected Load: (Other than BPL Consumers)

(a)	Up to and including 2 kW	Rs. 15/- per month
(b)	Above 2 to 4 kW	Rs. 25/- per month
(c)	Above 4 to 6 kW	Rs. 45/- per month
(d)	Above 6 kW	Rs. 65/- per month

For BPL Household Consumers:

Fixed charges	Rs. 5/- per month
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PLUS

1.2 ENERGY CHARGES: FOR THE TOTAL MONTHLY CONSUMPTION:
(OTHER THAN BPL CONSUMERS)

(a)	First 50 units	315 Paise per Unit
(b)	Next 50 units	360 Paise per Unit
(c)	Next 150 units	425 Paise per Unit
(d)	Above 250 units	520 Paise per Unit

1.3 ENERGY CHARGES: FOR THE TOTAL MONTHLY CONSUMPTION:
FOR THE CONSUMER BELOW POVERTY LINE (BPL)**

(a)	First 30 units	150 Paise per Unit
(b)	For remaining units	Rate as per RGP

**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 sub-division office of the Distribution Licensee. The concessional tariff is only for 30 units per month.



1.4 MINIMUM BILL (EXCLUDING METER CHARGES)

Payment of fixed charges as specified in 1.1 above.

2.0 RATE: RGP (RURAL)

This tariff is applicable to all services for residential premises located in areas within Gram Panchayat as defined in the Gujarat Panchayats Act.

However, this is not applicable to villages which are located within the geographical jurisdiction of Urban Development Authority.

Single-phase supply- Aggregate load up to 6kW

Three-phase supply- Aggregate load above 6kW

2.1 FIXED CHARGES / MONTH:

Range of Connected Load: (Other than BPL Consumers)

(a)	Up to and including 2 kW	Rs. 15/- per month
(b)	Above 2 to 4 kW	Rs. 25/- per month
(c)	Above 4 to 6 kW	Rs. 45/- per month
(d)	Above 6 kW	Rs. 65/- per month

For BPL Household Consumers:

Fixed charges	Rs. 5/- per month
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PLUS

**2.2 ENERGY CHARGES: FOR THE TOTAL MONTHLY CONSUMPTION:
(OTHER THAN BPL CONSUMERS)**

(a)	First 50 units	275 Paise per Unit
(b)	Next 50 units	320 Paise per Unit
(c)	Next 150 units	385 Paise per Unit
(d)	Above 250 units	490 Paise per Unit

**2.3 ENERGY CHARGES: FOR THE TOTAL MONTHLY CONSUMPTION:
FOR THE CONSUMER BELOW POVERTY LINE (BPL) ****

(a)	First 30 units	150 Paise per Unit
(b)	For remaining units	Rate as per RGP (Rural)

**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 sub-division office of the Distribution Licensee. The concessional tariff is only for 30 units per month.



2.4 MINIMUM BILL (EXCLUDING METER CHARGES):

Payment of fixed charges as specified in 2.1 above.

Note: If the part of the residential premises is used for non-residential (commercial) purposes by the consumers located within 'Gram Panchayat' as defined in Gujarat Panchayat Act, entire consumption will be charged under this tariff.

3.0 RATE: GLP

This tariff is applicable to the educational institutes and other institutions registered with the Charity Commissioner and research and development laboratories.

(a)	Fixed charges	Rs. 60/- per month
(b)	Energy charges	380 Paise per Unit

4.0 RATE: NON-RGP

This tariff is applicable to the services for the premises those are not covered in any other tariff categories and having aggregate load up to and including 40kW.

4.1 FIXED CHARGES PER MONTH:

(a)	First 10 kW of connected load	Rs. 45/- per kW
(b)	For next 30 kW of connected load	Rs. 75/- per kW

PLUS

4.2 ENERGY CHARGES:

(a)	For installation having contracted load up to and including 10kW: for entire consumption during the month	425 Paise per Unit
(b)	For installation having contracted load exceeding 10kW: for entire consumption during the month	455 Paise per Unit



4.3 MINIMUM BILL PER INSTALLATION FOR SEASONAL CONSUMERS

- (a) “Seasonal Consumer”, shall mean a consumer who takes and uses power supply for ice factory, ice candy machines, ginning and pressing factory, oil mill, rice mill, huller, salt industry, sugar factory, khandsari, cold storage plants (including such plants in fisheries industry), tapioca industries manufacturing starch, etc.
- (b) Any consumer, who desires to be billed for the minimum charges on annual basis shall intimate to that effect in writing in advance about the off-season period during which energy consumption, if any, shall be mainly for overhauling of the plant and machinery. The total period of the off-season so declared and observed shall be not less than three calendar months in a calendar year.
- (c) The total minimum amount under the head “Fixed and Energy Charges” payable by the seasonal consumer satisfying the eligibility criteria under sub-clause (a) above and complying with the provision stipulated under sub-clause (b) above shall be Rs. 1750 per annum per kW of the contracted load.
- (d) The units consumed during the off-season period shall be charged for at a flat rate of 470 Paise per unit.
- (e) The electricity bills related to the off-season period shall not be taken into account towards the amount payable against the annual minimum bill. The amount paid by the consumer towards the electricity bills related to the seasonal period only under the heads “Fixed Charges” and “Energy Charges”, shall be taken into account while determining the amount of short-fall payable towards the annual minimum bill as specified under sub-clause (c) above.

5.0 RATE: LTMD

This tariff is applicable to the services for the premises those are not covered in any other tariff categories and having aggregate load above 40kW and up to 100kW.

This tariff shall also be applicable to consumer covered in category- ‘Rate: Non-RGP’ so opts to be charged in place of ‘Rate: Non-RGP’ tariff.



5.1 FIXED CHARGES:

	For billing demand up to the contract demand	
(a)	(i) For first 40 kW of billing demand	Rs. 85/- per kW per month
	(ii) Next 20 kW of billing demand	Rs. 120/- per kW per month
	(iii) Above 60 kW of billing demand	Rs. 185/- per kW per month
(b)	For billing demand in excess of the contract demand	Rs. 255/- per kW

PLUS

5.2 ENERGY CHARGES:

For the entire consumption during the month	460 Paise per Unit
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PLUS

5.3 REACTIVE ENERGY CHARGES:

For all the reactive units (KVARH) drawn during the month	10 paise per KVARH
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5.4 BILLING DEMAND

The billing demand shall be highest of the following:

- (a) Eighty-five percent of the contract demand
- (b) Actual maximum demand registered during the month
- (c) 15 kW

5.5 MINIMUM BILL

Payment of demand charges every month based on the billing demand.

5.6 SEASONAL CONSUMERS TAKING LTMD SUPPLY:

- 5.6.1 The expression, "Seasonal Consumer", shall mean a consumer who takes and uses power supply for ice factory, ice-candy machines, ginning and pressing factory, oil mill, rice mill, salt industry, sugar factory, khandsari, cold storage plants (including such plants in fishery industry), tapioca industries manufacturing starch, pumping load or irrigation, white coal manufacturers etc.



- 5.6.2 A consumer, who desires to be billed for minimum charges on annual basis, shall intimate in writing in advance about the off-season during which energy consumption, if any, shall be mainly for overhauling of the plant and machinery. The off-season period at any time shall be a full calendar month/months. The total period of off-season so declared and observed shall be not less than three calendar months in a calendar year.
- 5.6.3 The total minimum amount under the head “Demand and Energy Charges” payable by a seasonal consumer satisfying the eligibility criteria under sub clause 5.6.1 above and complying with provisions stipulated under sub clause 5.6.2 above shall be Rs. 2900 per annum per kW of the billing demand.
- 5.6.4 The billing demand shall be the highest of the following:
- (a) The highest of the actual maximum demand registered during the calendar year.
 - (b) Eighty-five percent of the arithmetic average of contract demand during the year.
 - (c) 15 kW.
- 5.6.5.1 Units consumed during the off-season period shall be charged for at the flat rate of 470 Paise per unit.

6.0 RATE: NON-RGP NIGHT

This tariff is applicable for aggregate load up to 40 kW and using electricity **exclusively during night hours** from 10:00 PM to 06:00 AM next day. (The supply hours shall be regulated through time switch to be provided by the consumer at his cost.)

6.1 FIXED CHARGES PER MONTH:

Fixed charges specified in Rate Non-RGP above.
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PLUS

6.2 ENERGY CHARGES:

For entire consumption during the month	250 Paise per Unit
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NOTE:

1. 10% of total units consumed and 15% of the contract load can be availed beyond the prescribed hours.
2. This tariff shall be applicable if the consumer so opts to be charged in place of Non-RGP tariff by using electricity exclusively during night hours as above.
3. The option can be exercised to switch over from Non-RGP tariff to Non-RGP Night tariff 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 Non-RGP.

7.0 RATE: LTMD- NIGHT

This tariff is applicable for aggregate load above 40kW and using electricity **exclusively during night hours** from 10.00 PM to 06.00 AM next day. (The supply hours shall be regulated through time switch to be provided by the consumer at his cost.)

7.1 FIXED CHARGES PER MONTH:

Fixed charges specified in Rate LTMD above.
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PLUS

7.2 ENERGY CHARGES:

For entire consumption during the month	250 Paise per Unit
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7.3 REACTIVE ENERGY CHARGES:

For all reactive units (KVARH) drawn during the month	10 Paise per KVARH
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NOTE:

1. 10% of total units consumed and 15% of the contract load can be availed beyond the prescribed hours.
2. This tariff shall be applicable if the consumer so opts to be charged in place of LTMD tariff by using electricity exclusively during night hours as



above.

3. *The option can be exercised to switch over from LTMD tariff to LTMD-Night tariff 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 LTMD.*

8.0 RATE: LTP- LIFT IRRIGATION

Applicable for supply of electricity to Low Tension Agricultural consumers contracting load up to 125 HP requiring continuous (twenty-four hours) power supply for lifting water from surface water sources such as cannel, river, & dam and supplying water directly to the fields of farmers for agricultural irrigation only.

(a)	Fixed charges per month	Rs. 40/- per HP
PLUS		
(b)	Energy charges For entire consumption during the month	170 Paise per Unit

9.0 RATE: WWSP

This tariff shall be applicable to services used for water works and sewerage pumping purposes.

- 9.1 Type I – Water works and sewerage pumps operated by other than local authority:

(a)	Fixed charges per month	Rs. 20/- per HP
PLUS		
(b)	Energy charges per month: For entire consumption during the month	420 Paise per Unit

- 9.2 Type II – Water works and sewerage pumps operated by local authority such as Municipal Corporation. Gujarat Water Supply & Sewerage Board located



outside Gram Panchayat Area will also attract this tariff:

(a)	Fixed charges per month	Rs. 15 per HP
PLUS		
(b)	Energy charges per month: For entire consumption during the month	400 Paise per Unit

- 9.3.1 Type III – Water works and sewerage pumps operated by Municipalities / Nagarpalikas and Gram Panchayats or Gujarat Water Supply & Sewerage Board for its installations located in Gram Panchayats:

Energy charges per month: For entire consumption during the month	310 Paise/Unit
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9.4 TIME OF USE DISCOUNT:

Applicable to all the water works consumers having connected load of 50 HP and above for the Energy consumption during the Off-Peak Load Hours of the Day.

For energy consumption during the off-peak period, viz., 1100 Hrs to 1800 Hrs.	30 Paise per Unit
For energy consumption during night hours, viz., 2200 Hrs to 0600 Hrs. next day	75 Paise per Unit

10.0 RATE: AG

This tariff is applicable to services used for irrigation purposes only excluding installations covered under LTP- Lift Irrigation category.

- 10.1 The rates for following group are as under:

10.1.1 HP BASED TARIFF:

For entire contracted load	Rs.200 per HP per month
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ALTERNATIVELY



10.1.2 METERED TARIFF:

Fixed Charges	Rs. 20 per HP per month
Energy Charges: For entire consumption	60 Paise per Unit per month

10.1.3 TATKAL SCHEME:

Fixed Charges	Rs. 20 per HP per month
Energy Charges: For entire consumption	80 Paise per Unit per month

NOTE: The consumers under Tatkal Scheme shall be eligible for normal metered tariff as above, on completion of five years period from the date of commencement of supply.

10.2 No machinery other than pump water for irrigation (and a single bulb or CFL up to 40 watts) will be permitted under this tariff. Any other machinery connected in the installation governed under this tariff shall be charged separately at appropriate tariff for which consumers shall have to take separate connection.

10.3 Agricultural consumers who desire to supply water to brick manufacturing units shall have to pay Rs. 100/HP per annum subject to minimum of Rs. 2000/- per year for each brick Mfg. Unit to which water is supplied in addition to existing rate of HP based / metered agricultural tariff.

10.4 Such Agricultural consumers shall have to pay the above charges for a full financial year irrespective of whether they supply water to the brick manufacturing unit for full or part of the Financial Year.

Agricultural consumers shall have to declare their intension for supply of the water to such brick manufacturing units in advance and pay charges accordingly before commencement of the financial year (i.e. in March every year).

11.0 RATE: SL

11.1 Tariff for Street Light for Local Authorities and Industrial Estates:

This tariff includes the provision of maintenance, operation and control of the street lighting system.



11.1.1 ENERGY CHARGES:

For all the units consumed during the month:	395 Paise per Unit
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11.1.2 OPTIONAL KVAH CHARGES:

For all the kVAh units consumed during the month:	295 Paise per Unit
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11.1.3 Renewal and Replacements of Lamps:

The consumer shall arrange for renewal and replacement of lamp at his cost by person authorised by him in this behalf under Rule-3 of the Indian Electricity Rules, 1956 / Rules issued by CEA under the Electricity Act, 2003.

11.2 Tariff for power supply for street lighting purposes to consumers other than the local authorities and industrial estates:

11.2.1 FIXED CHARGES:

Rs. 25 per kW per month

11.2.2 ENERGY CHARGES:

For all units consumed during the month	395 Paise per kWh
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11.2.3 Renewal and Replacement of Lamps:

The consumer shall arrange for renewal and replacement of lamp at his cost by person authorised by him in this behalf under Rule-3 of the Indian Electricity Rules, 1956 / Rules issued by CEA under the Electricity Act, 2003.

11.2.4 Maintenance other than Replacement of Lamps:

Maintenance of the street lighting system shall be carried out by Distribution Licensee.

12.0 RATE: TMP

This tariff is applicable to services of electricity supply for temporary period at the low voltage. A consumer not taking supply on regular basis under a proper agreement shall be deemed to be taking supply for temporary period.



12.1 FIXED CHARGE

Fixed Charge per Installation	Rs.14 per kW per Day
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12.2 ENERGY CHARGE

A flat rate of	455 Paise per Unit
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Note: Payment of bills is to be made within seven days from the date of issue of the bill. Supply would be disconnected for non-payment of dues on 24 hours' notice.



PART - II

**TARIFFS FOR SUPPLY OF ELECTRICITY AT HIGH TENSION
(3.3 KV AND ABOVE, 3-PHASE 50 HERTZ), AND EXTRA HIGH TENSION**

The following tariffs are available for supply at high tension for large power services for contract demand not less than 100 kVA

13.0 RATE: HTP-I

This tariff will be applicable for supply of electricity to HT consumers contracted for 100 kVA and above for regular power supply and requiring the power supply for the purposes not specified in any other HT Categories.

13.1 DEMAND CHARGES:

13.1.1 For billing demand up to contract demand

(a)	For first 500 kVA of billing demand	Rs. 120/- per kVA per month
(b)	For next 500 kVA of billing demand	Rs. 230/- per kVA per month
(c)	For billing demand in excess of 1000 kVA	Rs. 350/- per kVA per month

13.1.2 For Billing Demand in Excess of Contract Demand

For billing demand in excess over the contract demand	Rs. 430 per kVA per month
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PLUS

13.2 ENERGY CHARGES

For entire consumption during the month		
(a)	Up to 500 kVA of billing demand	425 Paise per Unit
(b)	For billing demand above 500 kVA and up to 2500 kVA	445 paise per Unit
(c)	For billing demand above 2500 kVA	455 Paise per Unit

PLUS

13.3 TIME OF USE CHARGES:

For energy consumption during the two peak periods, viz., 0700 Hrs to 1100 Hrs and 1800 Hrs to 2200 Hrs
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(a)	For Billing Demand up to 500 kVA	35 Paise per Unit
(b)	For Billing Demand above 500 kVA	75 Paise per Unit

13.4 BILLING DEMAND:

The billing demand shall be the highest of the following:

- (a) Actual maximum demand established during the month
- (b) Eighty-five percent of the contract demand
- (c) One hundred kVA

13.5 MINIMUM BILLS:

Payment of “demand charges” based on kVA of billing demand.

13.6 POWER FACTOR ADJUSTMENT CHARGES:

13.6.1 Penalty for poor Power Factor:

- (a) 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%.
- (b) 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.

13.6.2 Power Factor Rebate:

If the 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 0.5% (half percent) 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%.

13.7 MAXIMUM DEMAND AND ITS MEASUREMENT:

The maximum demand in kW or kVA, as the case may be, shall mean an average kW / kVA supplied during consecutive 30/15 minutes or if consumer is having parallel operation with the grid and has opted for 3 minutes, period of maximum use where such meter with the features of reading the maximum demand in KW/KVA directly, have been provided.



13.8 CONTRACT DEMAND:

The contract demand shall mean the maximum KW/KVA for the supply, of which the supplier undertakes to provide facilities from time to time.

13.9 REBATE FOR SUPPLY AT EHV:

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%

13.10 CONCESSION FOR USE OF ELECTRICITY DURING NIGHT HOURS:

For the consumer eligible for using supply at any time during 24 hours, entire consumption shall be billed at the energy charges specified above. However, the energy consumed during night hours of 10.00 PM to 06.00 AM next morning as is in excess of one third of the total energy consumed during the month, shall be eligible for concession at the rate of 75 Paise per unit.

13.11 SEASONAL CONSUMERS TAKING HT SUPPLY:

13.11.1 The expression, "Seasonal Consumer", shall mean a consumer who takes and uses power supply for ice factory, ice-candy machines, ginning and pressing factory, oil mill, rice mill, salt industry, sugar factory, khandsari, cold storage plants (including such plants in fishery industry), tapioca industries manufacturing starch, pumping load or irrigation, white coal manufacturers etc.

13.11.2 A consumer, who desires to be billed for minimum charges on annual basis, shall intimate in writing in advance about the off-season during which energy consumption, if any, shall be mainly for overhauling of the plant and machinery. The off-season period at any time shall be a full calendar month/months. The total period of off-season so declared and observed shall be not less than three calendar months in a calendar year.

13.11.3 The total minimum amount under the head "Demand and Energy Charges" payable by a seasonal consumer satisfying the eligibility criteria under sub clause 13.11.1 above and complying with provisions stipulated under sub clauses 13.11.2 above shall be Rs. 4350 per annum per kVA of the billing demand.



13.11.4 The billing demand shall be the highest of the following:

- (a) The highest of the actual maximum demand registered during the calendar year.
- (b) Eighty-five percent of the arithmetic average of contract demand during the year.
- (c) One hundred kVA.

13.11.5 Units consumed during the off-season period shall be charged for at the flat rate of 455 Paise per unit.

13.11.6 Electricity bills paid during off-season period shall not be taken into account towards the amount payable against the annual minimum bill. The amount paid by the consumer towards the electricity bills for seasonal period only under the heads "Demand Charges" and "Energy Charges" shall be taken into account while determining the amount payable towards the annual minimum bill.

14.0 RATE HTP-II

Applicability: This tariff shall be applicable for supply of energy to HT consumers contracting for 100 kVA and above, requiring power supply for Water Works and Sewerage pumping stations run by Local Authorities and GW & SB. GIDC Water Works.

14.1 DEMAND CHARGES:

14.1.1 For billing demand up to contract demand

(a)	For first 500 kVA of billing demand	Rs. 105/- per kVA per month
(b)	For next 500 kVA of billing demand	Rs. 215/- per kVA per month
(c)	For billing demand in excess of 1000 kVA	Rs. 280/- per kVA per month

14.1.2 For billing demand in excess of contract demand

For billing demand in excess of contract demand	Rs. 350 per kVA per month
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PLUS



14.2 ENERGY CHARGES:

For entire consumption during the month		
(b)	Up to 500 kVA of billing demand	425 Paise per Unit
(c)	For billing demand above 500 kVA and up to 2500 kVA	445 Paise per Unit
(d)	For billing demand above 2500 kVA	455 Paise per Unit

PLUS

14.3 TIME OF USE CHARGES:

For energy consumption during the two peak periods, viz., 0700 Hrs to 1100 Hrs and 1800 Hrs to 2200 Hrs		
(a)	For Billing Demand up to 500kVA	35 Paise per Unit
(b)	For Billing Demand above 500kVA	75 Paise per Unit

- 14.4 Billing demand
- 14.5 Minimum bill
- 14.6 Power Factor Adjustment Charges
- 14.7 Maximum demand and its measurement
- 14.8 Contract Demand
- 14.9 Rebate for supply at EHV
- 14.10 Concession for use of electricity during night hours

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Same as per
HTP-I Tariff

15.0 RATE: HTP-III

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.

15.1 DEMAND CHARGES:

For billing demand up to contract demand	Rs. 480/- per kVA per month
For billing demand in excess of contract demand	Rs. 550/- per kVA per month

PLUS



15.2 ENERGY CHARGES:

For all units consumed during the month	650 Paise/Unit
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PLUS

15.3 TIME OF USE CHARGES:

Additional charge for energy consumption during two peak periods, viz., 0700 Hrs to 1100 Hrs and 1800 Hrs to 2200 Hrs	75 Paise per Unit
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15.4 Billing demand	}	Same as per HTP-I Tariff
15.5 Minimum bill		
15.6 Power Factor Adjustment Charges		
15.7 Maximum demand and its measurement		
15.8 Contract Demand		
15.9 Rebate for supply at EHV		

16.0 RATE: HTP-IV

This tariff shall be applicable for supply of electricity to HT consumers opting to use electricity exclusively during night hours from 10.00 PM to 06.00 AM next day and contracted for regular power supply of 100 kVA and above.

16.1 DEMAND CHARGES:

Same rates as specified in Rate HTP-I

PLUS

16.2 ENERGY CHARGES:

For all units consumed during the month	230 Paise per Unit
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16.3	Billing demand	}	Same as per HTP-I Tariff
16.4	Minimum bill		
16.5	Power Factor Adjustment Charges		
16.6	Maximum demand and its measurement		
16.7	Contract Demand		
16.8	Rebate for supply at EHV		

NOTE:

1. 10% of total units consumed and 15% of the contract demand can be availed beyond the prescribed hours for the purpose of maintenance.
2. For the purpose of office lighting, fans etc. the consumer may apply for a separate connection.
3. This tariff shall be applicable if the consumer so opts to be charged in place of HTP-I tariff by using electricity exclusively during night hours as above.
4. The option can be exercised to switch over from HTP-I tariff to HTP-IV tariff and vice versa twice in a calendar year by giving not less than one month's notice in writing.
5. 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 HTP-I.

17.0 RATE: HTP- V

HT - Agricultural (for HT Lift Irrigation scheme only)

This tariff shall be applicable for supply of electricity to High Tension Agricultural consumers contracting for 100 kVA and above, requiring power supply for lifting water from surface water sources such as canal, river and dam, and supplying water directly to the fields of farmers for agricultural irrigation only.

17.1 DEMAND CHARGES:

Demand Charges Rs. 40 per kVA per month

PLUS



17.2 ENERGY CHARGES:

For all units consumed during the month	170 Paise per Unit
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17.3	Billing demand	}	Same as per HTP-I Tariff
17.4	Minimum bill		
17.5	Power Factor Adjustment Charges		
17.6	Maximum demand and its measurement		
17.7	Contract Demand		
17.8	Rebate for supply at EHV		

18.0 RATE: RAILWAY TRACTION

This tariff is applicable for power supply to Railway Traction at 132 kV/66 kV.

18.1 DEMAND CHARGES:

For billing demand up to the contract demand	Rs. 160 per kVA per month
For billing demand in excess of contract demand	Rs. 400 per kVA per month

NOTE: In case of the load transfer for traction supply due to non-availability of power supply at preceding or succeeding point of supply or maintenance at Discom's level, excess demand over the contract demand shall be charged at normal rate at appropriate point of supply.

Normal Demand Charges will also apply in case of bunching of trains. However, Discoms shall charge excess demand charges while raising the bills and Railways have to give convincing details and documentary proof of bunching of trains if they want to be charged at the normal demand charges. If satisfactory proof of bunching of trains is provided, Discom shall consider that occasion for normal demand charges, otherwise excess demand charges will be applicable specified as above at 18.1 (b).

PLUS

18.2 ENERGY CHARGES:

For all units consumed during the month	490 Paise per Unit
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Aspen Infrastructures Limited
Aggregate Revenue Requirement for FY 2013-14 to FY 2015-16
and Determination of Tariff for FY 2013-14

18.3	Billing demand	}	Same as per HTP-I Tariff
18.4	Minimum bill		
18.5	Power Factor Adjustment Charges		
18.6	Maximum demand and its measurement		
18.7	Contract Demand		
18.8	Rebate for supply at EHV		

