

# GUJARAT ELECTRICITY REGULATORY COMMISSION



## **Tariff Order:**

Determination of Retail Supply Tariff for FY 2012-13

For

**Torrent Energy Limited (TEL)**

**Case No. 1203 of 2012**

**21<sup>st</sup> August 2012**

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सत्यमेव जयते

**GUJARAT ELECTRICITY REGULATORY COMMISSION  
(GERC)**

**AHMEDABAD**

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## ABBREVIATION

|                |   |
|----------------|---|
| A&G            | Administration and General Expenses             |
| ARR            | Aggregate Revenue Requirement                   |
| CAPEX          | Capital Expenditure                             |
| CERC           | Central Electricity Regulatory Commission       |
| Control Period | FY 2011-12 to FY 2015-16                        |
| DGEN           | Dahez Generation Plant                          |
| DGVCL          | Dakshin Gujarat Vij Company Limited             |
| DISCOM         | Distribution Company                            |
| DSEZ           | Dahez Special Economic Zone                     |
| EHV            | Extra High Voltage                              |
| FPPPA          | Fuel and Power Purchase Price Adjustment        |
| FY             | Financial Year                                  |
| GEB            | Gujarat Electricity Board                       |
| GERC           | Gujarat Electricity Regulatory Commission       |
| GETCO          | Gujarat Energy Transmission Corporation Limited |
| GFA            | Gross Fixed Assets                              |
| GoG            | Government of Gujarat                           |
| GSECL          | Gujarat State Electricity Corporation Limited   |
| GUVNL          | Gujarat Urja Vikas Nigam Limited                |
| HT             | High Tension                                    |
| ICAI           | Institute of Chartered Accountants of India     |
| kV             | Kilo Volt                                       |
| kVA            | Kilo Volt Ampere                                |
| kVAh           | Kilo Volt Ampere Hour                           |
| kWh            | Kilo Watt Hour                                  |
| LT             | Low Tension                                     |
| MU             | Million Units (Million kWh)                     |
| MW             | Mega Watt                                       |
| MYT            | Multi-Year Tariff                               |
| O&M            | Operations & Maintenance                        |
| PF             | Power Factor                                    |
| PFC            | Power Finance Corporation                       |
| PGCIL          | Power Grid Corporation of India Limited         |
| PPA            | Power Purchase Agreement                        |
| R&M            | Repair and Maintenance                          |
| SBAR           | State Bank Advance Rate                         |
| SBI            | State Bank of India                             |
| SEZ            | Special Economic Zone                           |
| SLDC           | State Load Despatch Centre                      |
| SPV            | Special Purpose Vehicle                         |
| TEL            | Torrent Energy Limited                          |
| UI             | Unscheduled Interchange                         |







## Before the Gujarat Electricity Regulatory Commission at Ahmedabad

Case No. 1203 of 2012

Date of the Order: 21<sup>st</sup> August 2012

### CORAM

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

### ORDER

#### 1. Background and Brief History

##### 1.1 Background

The Torrent Energy Limited, a distribution licensee, has filed its petition under section 62 of the Electricity Act, 2003 read with Gujarat Electricity Regulatory Commission (Multi-Year Tariff) Regulations, 2011 for determination of retail supply tariff for FY 2012-13 on 7<sup>th</sup> March, 2012.

The Commission has conducted a preliminary scrutiny and admitted the petition on 10<sup>th</sup> April, 2012 under Case No. 1203/2012.



## **1.2 Torrent Energy Limited (TEL)**

- Torrent Energy Limited (TEL) is a Special Purpose Vehicle (SPV) promoted by Torrent Power Limited (TPL), to fulfil its commitment to generate and distribute power as a co-developer of the Dahej Special Economic Zone.
- Dahej SEZ (DSEZ) is being developed by Government of Gujarat through Gujarat Industrial Development Corporation (GIDC) and Oil and Natural Gas Corporation (ONGC). The DSEZ has been notified by the Ministry of Commerce and Industry, Government of India vide Notification No. 2131(E) dated 20<sup>th</sup> December, 2006 as a Multi-Product SEZ.
- The Government of Gujarat has 'In-principle' approved Torrent Energy Limited as Co-developer in DSEZ area for the purpose of establishing generation and distribution facilities. Accordingly, TEL has entered into the Co-developer agreement with Dahej SEZ Ltd (DSL), a SPV created for developing the DSEZ.
- The Ministry of Commerce and Industry, Government of India has approved TEL as a Co-developer to set up generation and distribution infrastructure in DSEZ.
- The Gujarat Electricity Regulatory Commission vide its order dated 17<sup>th</sup> November, 2009 has issued order for issue of distribution license to TEL as a second distribution licensee as per the provisions of section 14 of the Electricity Act, 2003 for distribution of electricity in the DSEZ area. Accordingly, the Gujarat Electricity Regulatory Commission vide its letter dated 29<sup>th</sup> December, 2009 has issued distribution license dated 18<sup>th</sup> December, 2009.
- TEL has started commercial operations in Distribution from 4<sup>th</sup> April, 2010 and is in the process of establishing distribution network for power distribution to various SEZ units. TEL is also in the process of setting up a power plant at Dahej called DGEN, which is a green field project. The proposed capacity is tentatively expected to commence generation from January, 2014.
- The distribution business of TEL is hereinafter referred to as Petitioner or Torrent Energy Limited – Distribution Business (TEL).



### **1.3 Commission's Order on the first ARR and Tariff petition of TEL**

The TEL filed its first Multi-Year Tariff (MYT) Petition on 21<sup>st</sup> January, 2010, as per Clause 4.1 of the GERC (Multi-Year Tariff Framework) Regulations, 2007, for determination of tariff as per the Aggregate Revenue Requirement for the control period 26<sup>th</sup> January, 2010 to 31<sup>st</sup> March, 2011.

The Commission vide its letter No. GERC/TEL/Tariff/2010/0768 dated 26<sup>th</sup> May, 2010 directed TEL to charge DGVCL tariff to the consumers of TEL in Dahej SEZ pending further action.

The Commission vide its letter No. GERC/MYT/Tariff/2010/1794 dated 12<sup>th</sup> November, 2010 also directed TEL to file the MYT petition for the next control period (FY 2011-12 to FY 2015-16).

### **1.4 Commission's Order for the second control period**

TEL filed its petition under the Multi-Year Tariff Framework for the control period FY 2011-12 to FY 2015-16 on 14<sup>th</sup> July, 2011 in accordance with Gujarat Electricity Regulatory Commission (Multi-Year Tariff) Regulations, 2011 notified by the Commission.

The Commission, in exercise of the powers vested in it under sections 61, 62 and 64 of the Electricity Act, 2003 and all other powers enabling it in this behalf, and after taking into consideration the submissions made by TEL, the objections by various stakeholder, response of TEL, issues raised during the public hearing and all other relevant material, issued the Multi-Year Tariff order on 12th December, 2011 for the control period comprising FY 2011-12, FY 2012-13, FY 2013-14, FY 2014-15 and FY 2015-16 based on the MYT regulation, 2011.

### **1.5 Admission of Current Petition and Public Hearing Process**

The petitioner submitted its current petition for determination of Retail Supply Tariff for FY 2012-13 on 7<sup>th</sup> March, 2012. After preliminary analysis, the Commission admitted the petition as case No. 1203/2012 dated 10<sup>th</sup> April, 2012.



In accordance with Section 64 of the Electricity Act, 2003, the Commission directed TEL to publish its application in the abridged form to ensure public participation. The Public Notice was issued in the following newspapers on 17<sup>th</sup> April, 2012 inviting objections / suggestions from its stakeholders on the ARR petition filed by it.

1. The Indian Express, Ahmedabad Edition.
2. Gujarat Samachar, Vadodara Edition.
3. Sandesh, Vadodara Edition.

The interested parties/stakeholders were asked to file their objections / suggestions on the petition on or before 17<sup>th</sup> May, 2012.

The TEL / Commission received the objections / suggestions on the petition from the Utility Users' Welfare Association only.

The public hearing was held on 10<sup>th</sup>/30<sup>th</sup> July, 2012 wherein Utility Users' Welfare Association participated.

## **1.6 Contents of the Order**

This order is divided into **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 of the TEL for FY 2012-13.
3. The **third chapter** provides a brief account of public hearing process including the objections raised by stakeholders, TEL responses and the Commission's view on the response.
4. The **fourth chapter** deals with the Determination of Retail Supply Tariff for FY 2012-13.
5. The **fifth chapter** deals with Fuel and Power Purchase Price Adjustment charges (FPPPA).
6. The **sixth chapter** deals with the Directives of the Commission.



## **1.7 Approach to this Order**

The TEL has submitted the current petition for determination of retail supply tariff for FY 2012-13.

The petition for determination of retail supply tariff for FY 2012-13 has been considered by the Commission as per GERC (Multi-Year Tariff) Regulations, 2011.



## 2. A Summary of TEL's Petition

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### 2.1 Aggregate Revenue Requirement (ARR) for FY 2012-13

TEL submitted its petition for determination of tariff for the FY 2012-13. In this petition TEL submitted that the approved Aggregate Revenue Requirement (ARR) for FY 2012-13 for TEL as per the Multi-Year Tariff Order dated 12<sup>th</sup> December, 2011 is given in the table below:

**Table 2.1: Approved ARR for FY 2012-13**

| (Rs. Crores) |  |               |
|--------------|--|---------------|
| Sl. No.      | Particulars                                      | FY 2012-13    |
| 1            | Cost of power purchase                           | 334.48        |
| 2            | Operations and Maintenance expenses              | 1.46          |
| 3            | Depreciation                                     | 8.31          |
| 4            | Interest on long term loans                      | 10.09         |
| 6            | Interest on security deposit                     | 1.32          |
| 7            | Interest on working capital                      | 1.57          |
| 8            | Provision for bad debts                          | -             |
| 9            | Contingency reserve                              | 1.06          |
| 10           | Income tax                                       | -             |
| 11           | Revenue expenditure incl. Power purchase expense | 358.29        |
| 12           | Return on equity @ 14%                           | 6.21          |
| 13           | Less: Non-tariff income                          | 0.21          |
| <b>14</b>    | <b>Aggregate Revenue Requirement</b>             | <b>364.29</b> |

### 2.2 Request of TEL

The TEL requested the Commission to:

- (a) Admit the petition for determination of tariff for FY 2012-13.
- (b) Approve the ARR for wire business and corresponding charges for wheeling of electricity with effect from 1<sup>st</sup> April, 2012.



- (c) Approve to charge retail supply tariff for its Dahej SEZ area as may be approved for the DGVCL consumers.
- (d) Allow additions/ alterations/ changes/ modifications to the petition at a future date.
- (e) 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 including judgements and orders.
- (f) Condone the delay in filing the present petition.
- (g) Allow any other relief, order or direction which the Honourable Commission deems fit to be issued.
- (h) Condone any inadvertent omissions/ errors/ rounding off difference/ shortcomings.



## 3. Brief outline of objections raised, response from TEL and views of the Commission

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### 3.1 Public response to the petition

In response to the public notice inviting objections / suggestions from stakeholders on the petition filed by the TEL for determination of retail supply tariff for the FY 2012-13, the following consumers / consumer organisations have filed their objections / suggestions in writing.

#### 1. Utility Users' Welfare Association

The Commission considered the objections / suggestions, the issues presented before the Commission and the response of TEL on the same.

### 3.2 Objections raised by the objector

The details of the submissions by the objector, response by the petitioner and the views of the Commission are summarised in the following sections:

#### 1. Delay in filing of the petition along with the Accounting Statement

**Objection:** The petitioner has not submitted the petition before 30<sup>th</sup> November, 2011 as per the clause 29.8 of GERC (Multi-Year Tariff) Regulations, 2011. Further, the petitioner has not submitted the Accounting Statement with the petition as per clause 17.3 of GERC (Multi-Year Tariff) Regulations, 2011.

**Response of TEL:** TEL has initiated the process of preparing this petition as per the MYT Order issued by the Commission on 12<sup>th</sup> December, 2011. TEL has prayed the Commission to condone the delay and approve the petition. The present petition is filed only for the determination of tariff for FY 2012-13 as truing up of FY 2010-11 is covered in the MYT Order dated 12<sup>th</sup> December, 2011, and hence the issue of non-submission of Accounting Statement is not relevant.





**Commission's View:** *The Commission has noted the Objection and Petitioner's response. The Commission condones the delay in submission of petition; however, in future the petitioner shall take steps to file the petition in time.*

**2. Details supporting the forecast, projections for the ARR and capital investment have not been submitted**

**Objection:** No supportive details for the reasonableness of the forecast and projections for the ARR for FY 2012-13 have been given in the petition. The same was also not submitted in the earlier petition No.1177/2011. No documents like the certificate from Electrical Inspector have been submitted to the Commission in support of the capital investment incurred by TEL.

**Response of TEL:** The present petition for determination of tariff for FY 2012-13 is based on the Commission approved ARR of FY 2012-13 vide its order in Case No. 1177/2011 and is also in line with the GERC (MYT) Regulations 2011. Hence, the contention of the objector is not relevant.

**Commission's View:** *The response of the Petitioner is noted. After detailed analysis, the forecast for the control period was accepted in the MYT order dated 12<sup>th</sup> December, 2011.*

**3. Vast difference in projected and actual power purchase cost**

**Objection:** The Commission had approved the power purchase cost for the FY 2012-13 at Rs. 334.48 Crores for the procurement of 743.29 MUs of energy. The actual demand as per the truing up for FY 2010-11 was only 39.29 MU. The petitioner has not given any details regarding the power requirement of FY 2011-12 used for projecting the power requirement for FY 2012-13, given that the difference between the actual and projected requirement is quite large.

**Response of TEL:** The said power purchase requirement has been approved by the Commission considering the demand and sales forecast of the Petitioner in line with the provisions of the GERC (MYT) Regulations, 2011. It may kindly be noted that Dahej license area is newly developing area. Therefore, the projections and forecasts of sales and demand are based on development of SEZ area. However, the same is impacted by the various factors such as the Govt. policy on SEZ development and economic scenario at national & international level. In turn, the Petitioner is making



necessary arrangements to cater to the demand of the consumers from the available options so as to avoid any additional cost of power purchase for making such arrangement.

**Commission's View:** *The Commission considers the above response of the Petitioner acceptable. For determination of tariff, the ARR of FY 2012-13 is considered as approved in the MYT order dated 12<sup>th</sup> December, 2011, as per GERC (MYT) Regulations, 2011.*

#### **4. Power Procurement from GUVNL**

**Objection:** The Objector has objected to the rate of GUVNL (@ Rs. 4.35 per unit) for sale of 10 MW power to TEL and requested the Commission to ensure that the rate for procurement is not higher than the HTP-1 regulated tariff.

**Response of TEL:** TEL has entered into the bilateral arrangement with GUVNL for sourcing power at RTC rate and the same has been approved by the Commission vide its Order in Case No. 1106/2011. Hence, the objector's contention in the present petition is not relevant and oft repeated.

**Commission's View:** *The bidding process was as approved by the Commission. The agreement with GUVNL at RTC rate of Rs. 4.35 / unit for supply of power for the period 1<sup>st</sup> April 2011 to 31<sup>st</sup> March 2013 was approved by the Commission vide order dated 21<sup>st</sup> October 2011 in the Petition No. 1106/2011.*

#### **5. Tariff approved for TEL**

**Objection:** TEL has requested in its petition to approve the tariff approved for DGVCL by the Hon'ble Commission, for its distribution area. This is totally against the spirit and preamble of the Electricity Act, 2003. The DGVCL tariff cannot be compared with the limited supply area of SEZ-D in terms of power purchase cost of DGVCL, T&D loss, area in kilometres, distribution network, consumers mix category etc. and other controllable and uncontrollable factors.

**Response of TEL:** Section 62 (d) of the EA 2003 requires the Commission to decide the maximum ceiling tariff for retail supply for the distribution area having more than one distribution licensee. Further, it is pertinent to note that tariff is not the only thing to determine the competitiveness of a Licensee. Factors such as quality and



reliability of supply, consumer services are also important indicators of a Licensee's performance level.

**Commission's View:** *The Commission determines the tariff on the basis of approved ARR and considering gap/surplus on the basis of revenue calculation at existing tariff. The determination of tariff for FY 2012-13 is discussed in detail in chapter 4.*



## 4. Determination of Retail Supply Tariff for FY 2012-13

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### 4.1 ARR for FY 2012-13

The TEL has submitted that the existing MYT Regulations provide that for the tariff determination for FY 2012-13 it is required to consider the Aggregate Revenue Requirement (ARR) approved by the Commission for the FY 2012-13 in the MYT Order dated 12<sup>th</sup> December, 2011. Accordingly, TEL has reproduced the approved ARR for FY 2012-13 in the petition as shown in the table below.

**Table 4.1: Aggregate Revenue Requirement approved for the FY 2012-13**

(Rs. Crores)

| Sl. No. | Particulars                                      | FY 2012-13    |
|---------|--|---------------|
| 1       | Cost of power purchase                           | 334.48        |
| 2       | Operation and Maintenance expenses               | 1.46          |
| 3       | Depreciation                                     | 8.31          |
| 4       | Interest on long term loans                      | 10.09         |
| 6       | Interest on security deposit                     | 1.32          |
| 7       | Interest on working capital                      | 1.57          |
| 8       | Provision for bad debts                          | -             |
| 9       | Contingency reserve                              | 1.06          |
| 10      | Income tax                                       | -             |
| 11      | Revenue expenditure incl. Power purchase expense | 358.29        |
| 12      | Return on equity @ 14%                           | 6.21          |
| 13      | Less: Non-tariff income                          | 0.21          |
| 14      | <b>Aggregate Revenue Requirement</b>             | <b>364.29</b> |

The Commission considers ARR of Rs. 364.29 crores for FY 2012-13 as approved in the MYT Order dated 12<sup>th</sup> December, 2011.



## 4.2 Revenue from sale of power

In the MYT order dated 12<sup>th</sup> December, 2011 the Commission had computed and approved the revenue from sale of power with existing tariff for each year of the control period based on the sales approved for the control period and applying the tariff for each category as per the average tariff rates of FY 2010-11. The approved revenue for FY 2012-13 is given in the table below:

**Table 4.2: Approved revenue from sale of power for the FY 2012-13**

| Sl. No. | Category              | Av. Tariff (Rupees / Unit)* | Units sold / revenue FY 2012-13 |               |
|---------|-----------------------|-----------------------------|---------------------------------|---------------|
|         |                       |                             | MU                              | Rs. (crores)  |
| 1       | Residential           |                             | 0                               | 0             |
| 2       | Commercial Demand     | 5.96                        | 0.03                            | 0.02          |
| 3       | Commercial Non Demand |                             | 0                               | 0             |
| 4       | Industrial Demand     | 4.91                        | 0.41                            | 0.2           |
| 5       | Industrial Non Demand |                             | 0                               | 0             |
| 6       | HTMD-I                | 5.29                        | 599.8                           | 317.29        |
| 7       | HTMD-II               | 4.93                        | 6.13                            | 3.02          |
| 8       | HTMD-III (Temporary)  | 8.86                        | 82.39                           | 73            |
| 9       | Street Light          | 3.97                        | 0.3                             | 0.12          |
| 10      | LT (Temporary)        | 6.96                        | 2.23                            | 1.55          |
|         | <b>Total</b>          |                             | <b>691.29</b>                   | <b>395.20</b> |

\* Average rates include the existing FPPPA at Rs. 0.62 per kWh

## 4.3 Gap for FY 2012-13

Based on the analysis of the Commission the revenue requirement and the gap for the FY 2012-13 would be as under:

**Table 4.3: Approved revenue gap/(surplus) for the FY 2012-13**

|         |   | (Rs. Crores) |
|---------|---|--------------|
| Sl. No. | Particulars   | FY 2012-13   |
| 1       | Aggregate Revenue Requirement   | 364.29       |
| 2       | Less: Revenue from sale of power @ existing tariff (DGVCL tariff) including FPPPA @ Rs. 0.62 per unit | 395.20       |
| 3       | Gap/(Surplus) for FY 2012-13  | (30.91)      |



## **4.4 Retail Tariff for FY 2012-13**

### **Petitioner's Submission**

TEL has submitted in its petition that it recovers the tariff including FPPPA charges from its consumers as may be applicable to DGVCL consumers. The petitioner has proposed to continue the same practice of recovering tariff from its consumers at the rates as may be determined by the Commission for the DGVCL consumers. TEL has also proposed to specify the DGVCL retail supply tariff as the ceiling tariff for its consumers for FY 2012-13.

### **Commission's Analysis**

In the MYT order dated 12<sup>th</sup> December, 2011, the Commission had computed the revenue from sale of power as per tariff order dated 31<sup>st</sup> March, 2010 for DGVCL for each year of the control period based on the sales approved for the control period. In the same order, the Commission decided to fix only the maximum ceiling of tariff for retail sale of electricity. Further, it was decided that the DGVCL tariff approved in the Commission's tariff order dated 6<sup>th</sup> September, 2011 will be the maximum ceiling for TEL.

There is a surplus of Rs. 30.91 crores for FY 2012-13 while calculating the revenue of TEL at the tariff rates approved in the order dated 31<sup>st</sup> March, 2010 for DGVCL. Further, the TEL is at present charging its consumers as per the rates of tariff order dated 6<sup>th</sup> September, 2011 for DGVCL, which is higher than that of the previous year. Subsequently, DGVCL tariff rates were increased vide order dated 2<sup>nd</sup> June, 2012. In view of this, it is not reasonable to accept the proposal of TEL for considering the present DGVCL tariff rates as ceiling rate.

Hence, the Commission approves a separate tariff schedule for TEL, which is annexed to this order.



## 4.5 Wheeling and Retail Supply Business

### 4.5.1 Allocation matrix for distribution wheeling and retail supply business

The Commission has stipulated in Clause 88.1 of MYT Regulations, 2011 that in case the Distribution Licensee is not able to submit audited and certified separate accounts for Distribution wires and supply business, the allocation matrix as provided under Regulation 81 shall be applicable. The same is reproduced herein below:

**Table 4.4: Allocation matrix for distribution wheeling and retail supply business**

| Particulars   | Wires Business (%) | Retail Supply Business (%) | Total |
|---|--------------------|----------------------------|-------|
| Power Purchase Expenses                                   | 0%                 | 100%                       | 100%  |
| Standby Charges   | 0%                 | 100%                       | 100%  |
| Employee Expense  | 60%                | 40%                        | 100%  |
| Admin. & General Expense                                  | 50%                | 50%                        | 100%  |
| Repair & Maintenance Expense                              | 90%                | 10%                        | 100%  |
| Depreciation  | 90%                | 10%                        | 100%  |
| Interest on Long Term Loan Capital                        | 90%                | 10%                        | 100%  |
| Interest on Working Capital and Consumer Security Deposit | 10%                | 90%                        | 100%  |
| Bad Debts Written off                                     | 0%                 | 100%                       | 100%  |
| Income Tax  | 90%                | 10%                        | 100%  |
| Transmission Charges Intra-State                          | 0%                 | 100%                       | 100%  |
| Contribution to contingency reserves                      | 100%               | 0%                         | 100%  |
| Return on Equity  | 90%                | 10%                        | 100%  |
| Non-Tariff Income   | 10%                | 90%                        | 100%  |

### 4.5.2 Segregation of wheeling and retail supply

Based on the above allocation matrix the total ARR of TEL has been segregated into ARR for Wheeling and Supply business. The ARR for both the business is tabulated below:



**Torrent Energy Limited**  
**Determination of Retail Supply Tariff for FY 2012-13**

**Table 4.5: ARR for distribution wheeling business**

(Rs. Crores)

| Particulars   | FY 2012-13   |
|---|--------------|
| Power Purchase Expenses                                   | 0.00         |
| O&M Expenses  | 0.97         |
| Depreciation  | 7.48         |
| Interest on Long Term Loan Capital                        | 9.08         |
| Interest on Working Capital and Consumer Security Deposit | 0.29         |
| Bad Debts Written off                                     | -            |
| Income Tax  | -            |
| Contribution to contingency reserves                      | 1.06         |
| <b>Revenue expenditure incl. Power purchase expense</b>   | <b>18.88</b> |
| Return on Equity  | 5.59         |
| Less: Non-Tariff Income                                   | 0.02         |
| <b>Aggregate Revenue Requirement</b>                      | <b>24.45</b> |

**Table 4.6: ARR for retail supply business**

(Rs. Crores)

| Particulars   | FY 2012-13    |
|---|---------------|
| Power Purchase Expenses                                   | 334.48        |
| O&M Expenses  | 0.49          |
| Depreciation  | 0.83          |
| Interest on Long Term Loan Capital                        | 1.01          |
| Interest on Working Capital and Consumer Security Deposit | 2.60          |
| Bad Debts Written off                                     | -             |
| Income Tax  | -             |
| Contribution to contingency reserves                      | 0.00          |
| <b>Revenue expenditure incl. Power purchase expense</b>   | <b>339.41</b> |
| Return on Equity  | 0.62          |
| Less: Non-Tariff Income                                   | 0.19          |
| <b>Aggregate Revenue Requirement</b>                      | <b>339.84</b> |





### 4.5.3 Wheeling charges

The Commission has computed the wheeling charges for the entire network without segregating into 33 kV, 11kV or LT voltage-wise. The wheeling charges for FY 2012-13 are given in the table below:

**Table 4.7: Wheeling charges for the entire network**

| Sl. No. | Particulars                              | Units      | Amount |
|---------|--|------------|--------|
| 1       | Total distribution costs (wheeling cost) | Rs. Crores | 24.45  |
| 2       | Energy input at Distribution Level       | MU         | 712.67 |
| 3       | Wheeling charges                         | Rs./kWh    | 0.34   |

The wheeling loss applicable to TEL licensed area will be 3.00% which is the distribution loss approved for FY 2012-13 in the MYT Order dated 12<sup>th</sup> December, 2011.

### 4.6 Cross subsidy surcharge

The Commission has decided to continue the cross subsidy surcharge for TEL as determined in the MYT Order dated 12<sup>th</sup> December, 2011 at Rs. 0.30/kwh.



## 5. Fuel and Power Purchase Price Adjustment (FPPPA) Charges

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### 5.1 Petitioner's Submission

The TEL had submitted in its MYT Petition that it would be purchasing power from GUVNL under short-term arrangement up to January 2014 and later from its own generation – DGEN.

In the present Petition, TEL has submitted that it presently recovers the tariff including FPPPA charges from its consumers as may be applicable to the DGVCL consumers, and propose to continue the same practice of recovering the tariff from its consumers at the rate as may be determined by the Hon'ble Commission for the DGVCL consumers.

### 5.2 Commission's Analysis

The Commission has already approved a formula for fuel and power purchase adjustment for the distribution companies to recover costs from consumers for any variation in the fuel and power purchase costs in the order dated 25<sup>th</sup> June, 2004 (Case No. 252/2003). As TEL does not have its own generating station, the Commission modifies the existing formula for recovery of any variation in power purchase cost by TEL as under:

$$\text{FPPPA} = [ \text{PPP}_1 + \text{PPP}_2 ] \div [\text{S.E.}]$$

Where,

$$\text{PPP}_1 = \sum_{m=1}^k [(VC_A - VC_B) \times Q_A];$$

Where,

|                        |   |
|------------------------|---|
| <b>PPP<sub>1</sub></b> | Adjustment on account of variable cost of power purchased in Rs. Millions   |
| <b>m</b>               | 1 to k, the sources from which power is purchased   |
| <b>VC<sub>A</sub></b>  | Is the variable cost per unit of delivered energy, computed based on the principles laid down in the power purchase agreements in Rs. / KWh |
| <b>VC<sub>B</sub></b>  | Is the base variable cost per unit of delivered energy from each source in  |



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|       |   |
|-------|---|
|       | Rs. / KWh   |
| $Q_A$ | Is the actual level of power purchases from each source in million units. |

$$PPP_2 = \sum_{m=1}^k [(FC_A - FC_B)]$$

Where,

|         |  |
|---------|--|
| $PPP_2$ | Adjustment on account of fixed cost of power purchased in Rs. Millions |
| $m$     | 1 to k, the sources from which power is purchased                      |
| $FC_A$  | Is the actual fixed cost paid in Rs. Millions                          |
| $FC_B$  | Is the base fixed costs payable in Rs. Millions                        |

and

$$S.E. \text{ (in MU)} = [(\text{Total Sales in MU} + \text{Excess T \& D loss in MU})]$$

Where,

Total Sales = Actual energy sold to metered categories in MU + Estimated energy supplied to un-metered consumers based on norms approved, in MU

Excess T & D loss in MU=

$$\{(\text{Net Generation in MU} + \text{Power Purchase in MU} - \text{Total sales in MU})\} - \{(\text{Net Generation in MU} + \text{Power Purchase in MU}) \times (\%T\& D \text{ loss Norm})\}$$

Where,

% T & D loss Norm = % T & D loss level approved by the Commission.

### Base price of power purchase

In MYT Order dated 12<sup>th</sup> December, 2011 of TEL, the Commission had approved the power purchase cost of Rs. 334.48 Crores for purchase of 743.29 MUs quantum of power from GUVNL considering Rs. 4.35 / kWh as the base cost for power purchase and Rs. 0.15 / kWh as transmission cost i.e. aggregate power purchase cost at Rs. 4.50 / kWh for FY 2012-13.

Further, in the same order in the revenue calculation the Commission had included Rs. 0.62 / kWh as FPPPA charges to calculate the average tariff rates for different categories.



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The Commission vide its letter no. GERC/Tech/273 dated 10<sup>th</sup> February, 2012 informed the TEL that it should recover the FPPPA charges at 62 paise as base FPPPA plus actual FPPPA calculated as per the approved formula.

The TEL shall adopt the above formula for FY 2012-13, with the base price of power purchase at Rs. 4.50 / kWh. TEL may claim any variation in the power purchase price as per the modified formula.

Information regarding FPPPA recovery and the FPPPA calculations submitted to the Commission for approval shall be displayed on website of TEL as and when such proposal is submitted by TEL.

For any increase in FPPPA beyond ten (10) paise per kWh in a quarter, prior approval of the Commission shall be necessary, and only on approval of such increase by the Commission, the FPPPA can be billed to the consumers.

For any claim of FPPPA, the documents for approval of FPPPA shall be submitted to the Commission within one month from end of the relevant quarter.



## 6. Directives

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### 6.1 General

The Commission, in its Tariff Order dated 12<sup>th</sup> December, 2011 had issued various directives to TEL. TEL in its petition has submitted the compliance of the directives issued by the Commission. The comments of the Commission on the submission/compliance of the TEL are given below.

### 6.2 Directives:

#### **Directive 1: Assessment of Distribution losses**

TEL has projected distribution loss of 3.0% during FY 2011-12 gradually increasing it to 3.80% by FY 2015-16. The Commission has approved the loss level of 3.0% for FY 2011-12 as it is the initial year and as TEL has no means of measuring the loss.

TEL is directed to conduct energy audit by providing meters on all feeders and transformers to establish loss level in the system. Energy Audit shall be taken up immediately and the actual loss level shall be presented in the next tariff petition.

#### **Compliance**

The petitioner has submitted that it has initiated steps to conduct the energy audit to establish the actual loss level in the system. The petitioner has also submitted that it has provided meters on all the feeders and transformers and the actual data of losses shall be submitted in the next tariff petition as directed.

#### **Commission's comments**

*The Commission has noted the submission of the petitioner.*

#### **Directive 2: Map of Dahej Special Economic Zone (DSEZ)**

TEL is directed to furnish a map of the Dahej SEZ, which is its licensed area of power supply. It should mark the interface points of power supply with existing and proposed network voltage-wise and the areas where the industries are likely to come up etc., for information of the Commission.



**Compliance**

The petitioner has submitted a map of the Dahej SEZ, complete with all the details as required by the Commission.

**Commission's comments**

*The Commission has noted the submission of the petitioner.*

**Directive 3: Separate Accounts for TEL**

TEL is a deemed licensee and is responsible for distribution of electricity in Dahej special economic zone (DSEZ). TEL is directed to maintain separate accounts for its distribution business, which is a regulated business. Since TEL is also having generation of its own supplying power to its distribution business, it shall also maintain separate accounts for Generation Business. The accounts shall be got audited by Statutory Auditor and submitted to the Commission along with the ARR and Tariff Petition for FY 2012-13 onwards.

**Compliance**

The petitioner has submitted that it is maintaining separate books of accounts for Dahej SEZ distribution business as well as for Generation business.

**Commission's comments**

*The Commission has noted the submission of the petitioner.*

**Directive 4: Voltage wise details of the distribution network**

TEL is directed to furnish the details of lines and substations in its network voltage wise along with length of line under each voltage, details of power and distribution transformer etc.

**Compliance**

The petitioner has submitted the voltage wise details of the distribution network to the Commission.

**Commission's comments**

*The Commission has noted the submission of the petitioner.*



## **COMMISSION'S ORDER**

The Commission approves the aggregate revenue requirement (ARR) for Torrent Energy Limited (TEL) for FY 2012-13 as shown in the following Table:

### **Approved ARR for Torrent Energy Limited (TEL) for FY 2012-13**

| (Rs. Crores) |                              |                         |
|--------------|------------------------------|-------------------------|
| Sr. No.      | Particulars                  | Approved for FY 2012-13 |
| 1.           | Power purchase cost          | 334.48                  |
| 2.           | O&M Expenses                 | 1.46                    |
| 3.           | Depreciation                 | 8.31                    |
| 4.           | Interest on long term loans  | 10.09                   |
| 5.           | Interest on Security Deposit | 1.32                    |
| 6.           | Interest on Working capital  | 1.57                    |
| 7.           | Income Tax                   | 0.00                    |
| 8.           | Contingency reserve          | 1.06                    |
| <b>9.</b>    | <b>Revenue expenditure</b>   | <b>358.29</b>           |
| 10.          | Return on equity @ 14%       | 6.21                    |
| 11.          | Less: Non-tariff income      | 0.21                    |
| <b>12.</b>   | <b>ARR</b>                   | <b>364.29</b>           |

The approved retail supply tariff will be in accordance with the Tariff schedule annexed to this order. The order shall come into force from 1<sup>st</sup> September, 2012.

Sd/-

\_\_\_\_\_  
**DR. M.K. IYER**  
Member

Sd/-

\_\_\_\_\_  
**SHRI PRAVINBHAI PATEL**  
Member

Sd/-

\_\_\_\_\_  
**DR. P.K. MISHRA**  
Chairman

Place: Ahmedabad

Date: 21<sup>st</sup> August 2012







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

**Effective from 1<sup>st</sup> September, 2012**

**GENERAL**

1. The tariff figures indicated in this tariff schedule are the tariff rates payable by all the consumers of Torrent Energy Limited in the Dahej SEZ area.
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 purpose 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 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 for the period from the due date till the date of payment.

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.

Single-phase supply: Aggregate load up to 6 kW

Three-phase supply: Aggregate load above 6 kW

**1.1 Fixed Charges/Month:**

Range of Connected Load:

|     |                          |                    |
|-----|--------------------------|--------------------|
| (a) | Up to and including 2 kW | Rs. 5/- per month  |
| (b) | Above 2 and up to 4 kW   | Rs. 15/- per month |
| (c) | Above 4 and up to 6 kW   | Rs. 30/- per month |
| (d) | Above 6 kW               | Rs. 45/- per month |

**PLUS**

**1.2 Energy Charges: For the total monthly consumption:**

|     |                 |                    |
|-----|-----------------|--------------------|
| (a) | First 50 units  | 295 Paise per Unit |
| (b) | Next 50 units   | 325 Paise per Unit |
| (c) | Next 150 units  | 390 Paise per Unit |
| (d) | Above 250 units | 480 Paise per Unit |

**1.3 Minimum bill (excluding meter charges)**

Payment of fixed charges as specified in 1.1 above.

**2.0 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.



**2.1 Fixed charges per month:**

|   |                 |
|---|-----------------|
| (i) Up to and including 10 kW of connected load | Rs. 30/- per kW |
| (ii) Above 10 and up to 40 kW of connected load | Rs. 55/- per kW |

PLUS

**2.2 Energy charges:**

|     |  |                    |
|-----|--|--------------------|
| (a) | For installation having contracted load up to and including 10 kW: for entire consumption during the month | 390 Paise per Unit |
| (b) | For installation having contracted load exceeding 10 kW: for entire consumption during the month           | 420 Paise per Unit |

**2.3 Minimum Bill**

Minimum bill per installation per month for consumers other than Seasonal Consumers:

Rs. 140 per kW / month

**2.4 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-



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clause (b) above shall be Rs. 1600/- 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 435 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.

**3.0 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.

**3.1 Fixed charges:**

|            |  |                            |
|------------|--|----------------------------|
|            | <b>For billing demand up to the contract demand</b>        |                            |
| <b>(a)</b> | (i) For first 40 kW of billing demand                      | Rs. 65/- per kW per month  |
|            | (ii) Next 20 kW of billing demand                          | Rs. 100/- per kW per month |
|            | (iii) Above 60 kW of billing demand                        | Rs. 165/- per kW per month |
| <b>(b)</b> | <b>For billing demand in excess of the contract demand</b> | Rs. 210/- per kW           |

**PLUS**

**3.2 Energy charges:**

|   |                    |
|---|--------------------|
| For the entire consumption during the month | 425 Paise per Unit |
|---|--------------------|

**PLUS**



### **3.3 Reactive Energy Charges:**

|   |                    |
|---|--------------------|
| For all the reactive units (KVARH) drawn during the month | 10 paise per KVARH |
|---|--------------------|

### **3.4 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

### **3.5 Minimum Bill**

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

### **3.6 Seasonal Consumers taking LTMD Supply:**

- 3.6.1 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.
- 3.6.2 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.
- 3.6.3 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. 2700/- per annum per kW of the billing demand.
- 3.6.4 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.

3.6.5 Units consumed during the off-season period shall be charged for at the flat rate of 435 Paise per unit.

#### **4.0 Rate: Non-RGP Night**

This tariff is applicable for aggregate load up to 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.)

##### **4.1 Fixed Charges per month:**

|  |
|--|
| Fixed charges specified in Rate Non-RGP above. |
|--|

**PLUS**

##### **4.2 Energy Charges:**

|   |                    |
|---|--------------------|
| For entire consumption during the month | 220 Paise per Unit |
|---|--------------------|

**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.



**5.0 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.)

**5.1 Fixed Charges per month:**

|  |
|--|
| Fixed charges specified in Rate <b>LTMD</b> above. |
|--|

**PLUS**

**5.2 Energy Charges:**

|   |                    |
|---|--------------------|
| For entire consumption during the month | 220 Paise per Unit |
|---|--------------------|

**5.3 Reactive Energy Charges:**

|   |                    |
|---|--------------------|
| For all reactive units (KVARH) drawn during the month | 10 Paise per KVARH |
|---|--------------------|

**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.*

**6.0 Rate: WWSP**

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





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|             |  |                    |
|-------------|--|--------------------|
| (a)         | Fixed charges per month  | Rs.15 per HP       |
| <b>PLUS</b> |  |                    |
| (b)         | Energy charges per month:<br>For entire consumption during the month | 385 Paise per Unit |

**7.0 Rate: SL**

**7.1 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.

**7.1.1 Energy Charges:**

|  |                    |
|--|--------------------|
| For all the units consumed during the month: | 360 Paise per Unit |
|--|--------------------|

**7.1.2 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.

**7.1.3 Maintenance other than Replacement of Lamps:**

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

**8.0 Rate: TMP**

This tariff is applicable to services of electricity supply for temporary period at the low voltage.

**8.1 FIXED CHARGE**

|                               |                      |
|-------------------------------|----------------------|
| Fixed Charge per Installation | Rs.14 per kW per Day |
|-------------------------------|----------------------|

**8.2 ENERGY CHARGE**

|                |                    |
|----------------|--------------------|
| A flat rate of | 425 Paise per Unit |
|----------------|--------------------|

*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 C/S), 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

**9.0 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.

**9.1 Demand Charges;**

9.1.1 For billing demand up to contract demand

|     |  |                             |
|-----|--|-----------------------------|
| (a) | For first 500 kVA of billing demand      | Rs. 100/- per kVA per month |
| (b) | For next 500 kVA of billing demand       | Rs. 200/- per kVA per month |
| (c) | For billing demand in excess of 1000 kVA | Rs. 270/- per kVA per month |

9.1.2 For Billing Demand in Excess of Contract Demand

|   |                           |
|---|---------------------------|
| For billing demand in excess over the contract demand | Rs. 370 per kVA per month |
|---|---------------------------|

**PLUS**

**9.2 Energy Charges**

|  |  |                    |
|--|--|--------------------|
| <b>For entire consumption during the month</b> |  |                    |
| (a)  | up to 500 kVA of billing demand          | 390 Paise per Unit |
| (b)  | For next 2000 kVA of billing demand      | 410 paise per Unit |
| (c)  | For billing demand in excess of 2500 kVA | 420 Paise per Unit |

**PLUS**



**9.3 Time of Use Charges:**

|  |                   |
|--|-------------------|
| For energy consumption during the two peak periods,<br>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 |

**9.4 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

**9.5 Minimum Bills:**

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

**9.6 Power Factor Adjustment Charges:**

9.6.1 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% upto 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.

9.6.2 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%.



**9.7 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.

**9.8 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.

**9.9 Rebate for Supply at EHV:**

| <b>On Energy charges:</b> |  | <b>Rebate @</b> |
|---------------------------|--|-----------------|
| (a)                       | If supply is availed at 33/66 kV         | 0.5%            |
| (b)                       | If supply is availed at 132 kV and above | 1.0%            |

**9.10 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 (recorded by a polyphase meter operated through time-switch) 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. The polyphase meter and time switch shall be procured and installed by the consumer at his cost and sealed by the Distribution Licensee.

**9.11 Seasonal Consumers taking HT Supply:**

9.11.1 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.



9.11.2 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.

9.11.3 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.4000/- per annum per kVA of the billing demand.

9.11.4 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.

9.11.5 Units consumed during the off-season period shall be charged for at the flat rate of 420 Paise per unit.

9.11.6 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.

## **10.0 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.



**10.1 Demand Charges:**

10.1.1 For billing demand up to contract demand

|     |  |                            |
|-----|--|----------------------------|
| (a) | For first 500 kVA of billing demand      | Rs.90/- per kVA per month  |
| (b) | For next 500 kVA of billing demand       | Rs.190/- per kVA per month |
| (c) | For billing demand in excess of 1000 kVA | Rs.250/- per kVA per month |

10.1.2 For billing demand in excess of contract demand

|   |                          |
|---|--------------------------|
| For billing demand in excess of contract demand | Rs.335 per kVA per month |
|---|--------------------------|

**PLUS**

**10.2 Energy Charges:**

|   |  |                    |
|---|--|--------------------|
| For entire consumption during the month |  |                    |
| (a)                                     | up to 500 kVA of billing demand          | 390 Paise per Unit |
| (b)                                     | For next 2000 kVA of billing demand      | 410 Paise per Unit |
| (c)                                     | For billing demand in excess of 2500 kVA | 420 Paise per Unit |

**PLUS**

**10.3 Time of Use Charges:**

|  |                   |
|--|-------------------|
| For energy consumption during the two peak periods,<br>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 |

10.4 Billing demand

10.5 Minimum bill

10.6 Power Factor Adjustment Charges

10.7 Maximum demand and its measurement

10.8 Contract Demand

10.9 Rebate for supply at EHV

}

Same as per HTP-I Tariff



**11.0 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.

**11.1 Demand Charges:**

|   |                             |
|---|-----------------------------|
| For billing demand up to contract demand        | Rs.462/- per kVA per month  |
| For billing demand in excess of contract demand | Rs. 550/- per kVA per month |

**PLUS**

**11.2 Energy Charges:**

|   |                |
|---|----------------|
| For all units consumed during the month | 630 Paise/Unit |
|---|----------------|

**PLUS**

**11.3 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 |
|---|-------------------|

|   |                            |
|---|----------------------------|
| 11.4 Billing demand                     | } Same as per HTP-I Tariff |
| 11.5 Minimum bill                       |                            |
| 11.6 Power Factor Adjustment Charges    |                            |
| 11.7 Maximum demand and its measurement |                            |
| 11.8 Contract Demand                    |                            |
| 11.9 Rebate for supply at EHV           |                            |

**12.0 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.



**12.1 Demand Charges:**

|                                       |
|---------------------------------------|
| Same rates as specified in Rate HTP-I |
|---------------------------------------|

**PLUS**

**12.2 Energy Charges:**

|   |                    |
|---|--------------------|
| For all units consumed during the month | 200 Paise per Unit |
|---|--------------------|

|  |   |                          |
|--|---|--------------------------|
| 12.3 Billing demand<br>12.4 Minimum bill<br>12.5 Power Factor Adjustment Charges<br>12.6 Maximum demand and its measurement<br>12.7 Contract Demand<br>12.8 Rebate for supply at EHV | } | Same as per HTP-I Tariff |
|--|---|--------------------------|

**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.

