

BEFORE THE HON'BLE GUJARAT ELECTRICITY REGULATORY  
COMMISSION AT GANDHINAGAR

Filing No. \_\_\_\_\_

Case No. 1898 of 2020

**IN THE MATTER OF**

Miscellaneous Petition for approval of methodology for implementation of Fixed Service Line Charge (FSLC) for HT Consumers (Contract demand upto 1 MW/ MVA) of Ahmedabad/ Gandhinagar and Surat license areas in accordance with the Amendment dated 26.06.2020 to GERC (Power to Recover Expenditure) Regulations, 2005 read with applicable provisions of the Electricity Act, 2003

**AND**

**IN THE MATTER OF**

Torrent Power Ltd.,  
"Samanvay", 600, Tapovan,  
Ambawadi, Ahmedabad – 380015

.....PETITIONER

**THE PETITIONER ABOVE NAMED RESPECTFULLY FILES ITS SUBMISSIONS AS UNDER:**

1. Torrent Power Limited, is a Company incorporated under the Companies Act, 1956. Torrent Power Ltd (hereinafter referred to as "TPL-D" or the "Petitioner") is filing this petition in its capacity as the licensee of Ahmedabad/Gandhinagar and Surat license areas.

2. The Hon'ble Commission has notified the Amendment to GERC (Licensee's Power to Recover Expenditure) Regulations, 2005 ("Recovery Regulations") on 26<sup>th</sup> June, 2020 which inter alia provides for recovery of per kW/kVA charges for new connection/load extension at HT level. The Recovery Regulations stipulate that the methodology to be adopted by the Distribution Licensees shall require the Hon'ble Commission's approval.
3. In this background, the Petitioner has formulated detailed methodology for recovery of per kW/kVA charges for new connection/load extension at HT level upto 1 MW for consumers of Ahmedabad/Gandhinagar and Surat. The same was submitted to the Hon'ble Commission vide letter dated 17.07.2020. In turn the Hon'ble Commission vide letter no. GERC/Tech-II/5720/3144/0989 dated 5<sup>th</sup> September, 2020 has directed the Petitioner to file a petition for approval.
4. Accordingly, the Petitioner files this petition for approval of methodology for implementation of Fixed Service Line Charge (FSLC) for HT Consumers (Contract demand upto 1 MW/ MVA) of Ahmedabad/ Gandhinagar and Surat license areas. The details of the methodology are enumerated hereunder:

**A. Outline**

- i. The proposal for HT FSLC shall be applicable only for new HT connection and load enhancement applications with aggregate load / demand upto 1 MW. All other applications for new connection/ load enhancement with aggregate load/ demand beyond 1 MW, shifting, reduction and removal of HT service will continue to be catered on actual basis.
- ii. HT FSLC shall be collected from applicants at the time of application along with other applicable charges, security deposit and relevant documents as per the applicable Regulations/ guidelines in vogue.
- iii. All fractional loads shall be rounded off to the next highest integer for the purposes of calculation of service line charges.

- iv. If customer applies for load extension and total load is above 1 MW, charges shall be higher of HT FSLC for the extension cost for applied load or actual cost (including enhancement charges).
- v. HT FSLC once commenced, shall continue to be applicable till the time the same is revised and made applicable. At the time of revision, HT FSLC will be worked out based on latest cost data book.
- vi. The amount so collected for providing the new connection/ load extension as above shall be treated as final.
- vii. The above methodology is subject to applicable GERC Regulations as amended from time to time/ any other Guidelines as may be applicable.

**B. Methodology for derivation of HT FSLC**

- i. HT FSLC shall consist of the following costs:
  - a. Cost of cable, joints, Enhancement Charges, RO charges, etc.
  - b. Cost of switchgear
  - c. Cost of metering cubicle

***Detailed computation of HT FSLC in Rs per KW is as per Annexure A.***

- ii. Material rates shall be considered as per latest cost data book at the time of preparing HT FSLC.
- iii. Average load and average cable length of applications actually billed in last completed 4 years or period from last revision whichever is lower shall be considered as the basis for computation of HT FSLC.
- iv. For new connections, cost of 30 meter cable on TP road per application shall be excluded.
- v. Cost of Road Opening (RO) shall be considered as average cost of RO across different type of surfaces (Asphalt Road, Footpaths etc.).

***Computation of RO Cost in Rs per Meter is enclosed at Annexure B.***

- vi. In case of railway / highway crossing, actual cost for such activity shall be recovered from the Applicant over and above charges for HT FSLC.
- vii. For new connection/extension applications, Metering cubicle charges (excluding meter cost) as mentioned in Point (i)(c) shall be considered on actual basis as per the latest cost data book. In case of extension applications, metering cubicle charges shall be applicable, only in case replacement is required.
- viii. For all calculation purpose, power factor is considered as unity.
- ix. Land cost of 33kV and 66kV substation is not considered for calculating charges.
- x. Redundancy of transformer capacity is factored considering 75% of total EHV transformer capacity.
- xi. All cost is pro-rated basis the capacity created for the upstream network that is booked for the application.
- xii. Enhancement charges are calculated considering all expense of one level higher network.

***Computation of Enhancement charges is enclosed at Annexure C.***

- xiii. Switchgear cost as indicated in Point (i)(b) above will be considered on actual basis as per latest cost data book.
- xiv. Charges so computed are exclusive of any taxes, on FSLC i.e. GST/ any other taxes, if applicable, will be additional.

5. Based on the above methodology, HT FSLC is derived as follows:

Type of Application	Rate (Rs/kW)	Switchgear Cost (Rs.)*	Metering Cubicle Cost (Rs.)#
New Connection/ Load Extension	3,800	5,08,874	1,11,976

\* Applicable for New Connection only

# Applicable for new connection in all cases and for load extension only in case Metering cubicle is required to be changed

**Note:**

- i. Charges for Railway/ Highway crossing shall be recovered on actual basis from the concerned Applicant.
  - ii. Considering unity power factor, charges in Rs/KW as above shall be applicable in Rs/kVA as well.
6. Based on above, the Petitioner humbly requests the Hon'ble Commission to approve the methodology for implementation of Fixed Service Line Charge (FSLC) for HT Consumers (Contract demand upto 1 MW/ MVA) of Ahmedabad/ Gandhinagar and Surat license areas.

## 7. Prayers

**The Petitioner prays the Hon'ble Commission:**

- a) To admit the petition.
- b) To approve methodology mentioned hereinabove for implementation of Fixed Service Line Charge (FSLC) for HT Consumers (Contract demand upto 1 MW/ MVA) of Ahmedabad/ Gandhinagar and Surat license areas.
- c) To allow additions/ alterations/ changes/ modification to the submissions.
- d) To condone any inadvertent omissions/ errors/ shortcomings.
- e) To grant any other relief/s as it deems fit and appropriate under the circumstances of the case and in the interest of justice.

Declaration that the subject matter of above petition has not been raised by the Petitioner before any other competent forum, and that no other competent forum is currently seized of the matter or has passed any orders in relation thereto.

**Place: Ahmedabad**

**Date: 08.10.2020**



**Authorized Signatory**

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**AFFIDAVIT**

I, Chetan Bundela, son of Sh. Manharlal Bundela, aged about 48 years, working as Vice President of Torrent Power Limited, the Petitioner, having office at Samanvay, 600, Tapovan, Ambawadi, Ahmedabad – 380 015 do solemnly affirm and state on oath as under :

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



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

Solemnly affirmed at Ahmedabad on this 8<sup>th</sup> day of October 2020.

(DEPONENT)

Sr.No.: 263/E101/2020

*bbhete*  
SOHINI B. PATEL  
NOTARY  
GOVT. OF INDIA  
08/10/2020



SOLEMNLY AFFIRMED  
BEFORE ME

*bbhete*  
SOHINI B. PATEL  
NOTARY  
GOVT. OF INDIA  
08/10/2020



**Methodology for Fixed Service Line Charges for HT Consumers**

**Annexure A**

**Cost per kW for New Connection/Load Extension**

Particulars	UoM	Average Material / Connection	Rate (Rs)	Total Cost (Rs.)
Cable 11KV XLPE 300/240 C ALU	MTR	106.08	1,939	205,668
Cable 11 KV XLPE 70/3 C ALU	MTR	4.01	959	3,850
Joint 300/240 sq .mm	Nos	1.45	13,324	19,267
Termination 300/240 sq. mm	Nos	1.45	6,525	9,435
Termination 70 sq .mm	Nos	0.89	4,854	4,330
Road opening Charges	MTR	119.46	1030	1,22,995
Enhancement Charges	kW	232.20	2,258	5,24,308
<b>Total Cost (without switchgear)</b>	<b>Rs.</b>			<b>8,89,893</b>
Average load (kW) per connection	kW			232.20
Rate for New Connection	Rs./kW			<b>3,832</b>
Rate for New Connection (rounded down to nearer hundred)	Rs./kW			<b>3,800</b>

**Methodology for Fixed Service Line Charges for HT Consumers**

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**Annexure B**

**Road Opening Charges - New Connection/ Load Extension**

<b>Description</b>	<b>Rs/Meter</b>
Asphalt Road	1,153
Footpath	1,004
Metal - WBM Road	644
Cement Concrete Road	1,318
<b>Average RO Rate</b>	<b>1,030</b>

**Methodology for Fixed Service Line Charges for HT Consumers**

**Annexure C**

**Enhancement Charges (New Connection /Load Extension)**

<b>Sr. No.</b>	<b>Details</b>	<b>UOM</b>	<b>Proposal</b>
1	Land	-	Not Considered
2	Building & Civil Costs	Rs.	3,43,64,904
3	33/11 KV 40 MVA Transformer / 66/11 KV 50 MVA Transformer	Rs.	6,92,37,946
4	33 kV Sw Gear, Automation, SCADA integration/ 66 KV Switchgear, CRP, and SCADA integration	Rs.	1,16,25,023
5	11 KV Switchgear	Rs.	2,54,38,585
6	33 & 11 KV power cable and terminations / 66 & 11 KV power cable and terminations	Rs.	41,13,398
7	Control cables and earthing	Rs.	14,13,715
8	ACDB, DCDB, Battery Charges and Other Equipment	Rs.	25,99,802
9	11 KV Capacitor Bank	Rs.	36,25,824
	<b>Total EHV SS ( without land Cost )</b>	Rs.	15,24,19,197
	<b>Network capacity available for utilization</b>	MW	67.50
	<b>EHV SS Cost per KW</b>	<b>Rs./KW</b>	<b>2,258</b>