



# महाराष्ट्र विद्युत नियामक आयोग

## Maharashtra Electricity Regulatory Commission

Ref. No. MERC/FAC/2019-2020/270

Date: 17 March, 2020

To,  
The Gigaplex Estate Private Ltd.,  
K Raheja Corp, Level-9, Raheja Tower  
Block 'G', Plot No. C-30,  
Bandra Kurla Office  
Bandra (E), Mumbai – 400 051.

**Subject:** Post facto approval of Fuel Adjustment Charges (FAC) submissions of GEPL for the month of April, 2019 to June, 2019.

**Reference:** GEPL's FAC submission for the month of April, 2019 to June, 2019 vide letter no. GEPL/ Power/ 215/ G 681 dated 8 August, 2019.

Sir,

Upon vetting the FAC calculations for the months of April, 2019 to June, 2019 as mentioned in the above reference, the Commission has accorded post facto approval for charging FAC to its consumers as shown in the table below:

Month	FAC Amount (Rs. Crore)
April, 2019	0.21
May, 2019	0.27
June, 2019	0.25

The Commission allows the carry forward FAC of Rs. 0.16 Crore to be recovered during future period as against a claim of Rs. 0.28 Crore by GEPL. This is on account of errors rectified by the Commission and its associated impact as explained in para 4.10, 4.19, 7.1, 8.4 and para 9.5 of this vetting report.

The above approval of FAC is subject to final true up of FY 2019-20 under the MERC (Multi Year Tariff) Regulations, 2015.

Yours faithfully,

(Dr. Rajendra G. Ambekar)  
Executive Director, MERC

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**Encl: Annexure A: Detailed Vetting Report for the period of April, 2019 to June, 2019.**

Month	Number of Vets
April 2019	43
May 2019	47
June 2019	45

**POST FACTO APPROVAL FOR FAC CHARGES FOR THE MONTHS OF APRIL,  
2019 TO JUNE, 2019**

**Subject:** Post facto approval of Fuel Adjustment Charges (FAC) submissions of GEPL for the month of April, 2019 to June, 2019.

**Reference:** GEPL's FAC submission for the month of April, 2019 to June, 2019 vide letter no. GEPL/ Power/ 215/ G 681 dated 8 August, 2019.

**1. FAC submission by GEPL Undertaking:**

1.1 GEPL has made FAC submissions for the months of April, 2019 to June, 2019 as referred above. Upon vetting the FAC calculations, taking cognizance of all the submissions furnished by GEPL, the Commission has accorded post facto approval for the FAC amount to be charged in the billing months of May, 2019 to July 2019.

**2. Background**

2.1 On 12 March, 2018 the Commission has issued Tariff Order in respect of GEPL, (Case No.149 of 2016) for approval of Aggregate Revenue Requirement and Multi Year Tariff for FY 2016-17 to FY 2019-20. Revised Tariff has been made applicable from 1 April, 2018.

2.2 Vide its letter dated 15 November, 2016, the Commission communicated the excel formats for filing of FAC submissions to all Distribution Licensees. The Commission also directed all Distribution Licensees to submit FAC computations, including details pertaining to variation in fuel cost of generators for the approval of the Commission.

2.3 Vide FAC vetting Report dated 2 July, 2018 the Commission accorded prior approval to the FAC for the month of April, 2018.

2.4 In terms of MERC (MYT) Regulations, 2015 a Distribution Licensee is required to obtain post facto approval of the Commission on a quarterly basis for FAC charges. Accordingly, vide its letter dated 8 August, 2019, GEPL has filed FAC submissions for the months of April, 2019 to June, 2019 for post facto approval. The Commission has scrutinized the submissions provided by GEPL and has also verified the fuel and power purchase bills provided along with its submissions.



### 3. Energy Sales of the Licensee

3.1 The net energy sales within licence area as submitted by GEPL in the FAC submission and as approved by the Commission are as shown in the Table below:

Consumer Category	Approved by the Commission (MU)	Monthly Approved (MU)	Actual Sales		
			(April -19) (MU)	(May- 19) (MU)	(June- 19) (MU)
	(I)	(II=I/12)	(III)	(IV)	(V)
<b>HT Category</b>					
HT- I Industrial	64.95	5.41	2.36	2.64	2.44
HT-II Commercial	2.04	0.17	0.09	0.09	0.09
<b>LT Category</b>					
LT-I General Purpose	-	-			
LT-II(A) Commercial (0-20 kW)	0.06	0.01	0.06	0.07	0.06
LT-II (B) Commercial (above 20 kW)	0.16	0.01	0.01	0.01	0.04
LT-III (A) Industrial (0-20 kW)	0.52	0.04	0.00	0.00	0.00
LT-III (B) Industrial (above 20 kW)	9.19	0.77	0.29	0.29	0.27
<b>Total</b>	<b>76.92</b>	<b>6.41</b>	<b>2.80</b>	<b>3.11</b>	<b>2.90</b>

3.2 It can be observed from above Table that the actual sales during the months of April, May and June, 2019 is 2.80 MUs, 3.11 MUs and 2.90 MUs respectively, i.e., total of 8.82 MU which is lower than 50% of the approved energy sales of 19.23 MU per Quarter for the FY 19-20. The major variation was observed in the HT-I Industrial and LT-III (B) Industrial categories as shown in the Table above.

### 4. Cost of Power Purchase

4.1 GEPL is a deemed Distribution Licensee notified by the Commission for IT& ITES SEZ located at Airoli, Thane. GEPL does not own or operate any generating stations. Accordingly, GEPL is required to procure power from outside sources in order to fulfil the demand of its consumers.

4.2 The Commission in its MYT Order dated 12 March, 2018 in Case No. 149 of 2016 had approved the Power Procurement Plan of GEPL to purchase Base Load power through medium-term competitive bidding and Peak Load power through short-term competitive bidding. Further, the Commission had approved the Power purchase rate of Rs. 4.38/kWh for both medium term and short-term power procurement for FY 2018-19 as well as for FY 2019-20. The above approved rate had been considered by the Commission which was based on the rate discovered by GEPL through Short-term Competitive Bidding at that time.

4.3 Further, as the then existing Short-term Power Purchase Agreement (APP) with GMR Energy Trading Limited (GMRETL) was valid only up to 30 September, 2018, GEPL had been directed to initiate the process of procurement of medium term power to meet its projected demand.



- 4.4 As per the directives by the Commission, GEPL initiated the competitive bidding process for Medium Term Power Procurement of 3.5 MW Base load from 1 October, 2018 to 31 March, 2021 as per Guidelines issued by MoP, GoI on 17 January, 2017. GEPL had also published notice on 11 June, 2018 in Times of India, Mumbai and Hindustan Times, Delhi and floated e-Tender/Bidding Document through DEEP Portal for the same.
- 4.5 Based on bidding M/s.GMRETL was found to be the lowest bidder (L1). Accordingly, the Commission under Section 63 of the Electricity Act, 2003, had adopted Medium term Power Procurement of 3.5 MW at a rate of Rs 4.94/kWh on RTC basis for the period of 1 October, 2018 to 31 March, 2021. Aforesaid APP got approved by the Commission in Case No. 266 of 2018 dated 26 September, 2018.
- 4.6 With regards to the short-term power procurement, GEPL initiated competitive bidding under Section 63 of the EA 2003 up to a quantum of 2 MW(09:00-23:00 hours on working days) (Weekdays, i.e. Monday to Friday and excluding Saturday, Sunday and National holidays) for the period from October 2018 to March 2019. After completion of the competitive bidding process, GMRETL emerged as the lowest bidder, with a bid of Rs. 4.36/kWh, and the PPA was signed with GMRETL on 22 August, 2018 for supply of power from 1 October, 2018 to 31 March, 2019.
- 4.7 Further, as the existing short-term PPA with GMRETL is valid up to 31 March, 2019 as mentioned in para above, GEPL initiated process for procurement of power upto 2.5 MW (09:00-23:00 hours) (Weekdays, i.e. Monday to Friday and excluding Saturday, Sunday and national holidays) for a period of six months from 1 April 2019 to 30 September 2019 as per Standard Bidding Guidelines dated 30 March, 2016 issued by the MoP. However, GEPL did not get any response to the bid even after two extensions of bid submission date. Hence, said bidding process was cancelled by GEPL. Under such circumstances, GEPL explored option of extending existing PPA with GMRETL which has been agreed by GMRETL.
- 4.8 In view of the above, GEPL has filed a separate Petition for approval of extension of Power Purchase Agreement (PPA) with GMRETL at a rate of Rs. 4.36/kWh for 2.5 MW for a period of one year from 1 April 2019 to 31 March, 2020 at a delivery point of Maharashtra State periphery. The Commission in its Order in Case No. 74 of 2019 dated 26 March, 2019 has accorded approval on the above.
- 4.9 The following Tables show the variation in average power purchase cost (Rs/kWh) for the months of April, 2019 to June, 2019 as compared to average power purchase cost approved in Tariff Order dated 12 March, 2018:



Particulars	Tariff Order Dated 12 March, 2018			Actual for April, 2019		
	Net Purchase	Cost	Average Power Purchase Cost	Net Purchase	Cost	Average Power Purchase Cost
	MU	Rs. Crore	Rs/kWh	MU	Rs. Crore	Rs/kWh
Short Term/Medium Term PPA	81.16	35.55	4.38	2.74	1.37	4.99
FBSM	-	-	-	-	-	-
Solar REC	-	0.28	NA	-	-	-
Non Solar REC	-	0.93	NA	-	-	-
<b>Total</b>	<b>81.16</b>	<b>36.76</b>	<b>4.53</b>	<b>2.74</b>	<b>1.37</b>	<b>4.99</b>

Particulars	Actual for May, 2019			Actual for June, 2019		
	Net Purchase	Cost	Average Power Purchase Cost	Net Purchase	Cost	Average Power Purchase Cost
	MU	Rs. Crore	Rs/kWh	MU	Rs. Crore	Rs/kWh
Short Term/Medium Term PPA	3.15	1.54	4.91	2.86	1.43	5.00
Solar REC	-	-	-	-	0.06	-
Non Solar REC	-	0.09	-	-	0.06	-
<b>Total</b>	<b>3.15</b>	<b>1.64</b>	<b>5.20</b>	<b>2.86</b>	<b>1.55</b>	<b>5.40</b>

4.10 The Commission has scrutinised the detailed bills/invoices submitted for power purchase during the respective months of April, 2019 to June, 2019, in order to verify the claim of GEPL regarding Average Power Purchase Cost (APPC). The Commission has verified the Net Purchase (MUs), Variable Cost (Rs./kWh) and Power Purchase Cost vis-à-vis to the approved power purchase as per the MYT Order.

4.11 During the scrutiny, it was observed that GEPL while considering the total approved power purchase cost for FY 2019-20, has inadvertently considered the REC cost being valid for previous year. The Commission has rectified the said error and accordingly considered the power purchase cost as approved for FY 2019-20 in MYT Order.

4.12 For its base load requirement, GEPL has purchased 2.17 MUs, 2.45 MUs and 2.28MUs under Medium Term base load arrangement from GMRETL during the month of April, May and June, 2019 respectively. The above power has been procured at a base price of Rs.4.98/kWh (i.e. Rs. 2.19/kWh of Fixed cost and Rs. 2.79/kWh of variable cost) in line



with the Commission's Order in Case No. 266 of 2018 dated 26 September, 2018 with applicable rate escalation. As the adopted Tariff is itself higher than the MYT approved rate (Rs. 4.38/kWh), the actual APPC for base load is appearing higher.

- 4.13 For its Peak Load requirement, GEPL has purchased 0.57 MUs, 0.70 MUs, and 0.59 MUs during the month of April, May and June, 2019 respectively through short-term arrangements. The Peak load power during above mentioned period was procured at a price of Rs. 4.36/kWh, in line with the price adopted by the Commission in Case No. 74 of 2019 dated 26 March, 2019. The peak power price has been observed marginally lower than the price of Rs. 4.38/kWh as approved by the Commission in its MYT Order.
- 4.14 Accordingly, the total power procurement by GEPL to meet its base & peak load demand, stands at 2.74 MUs, 3.15 MUs and 2.86 MUs during the month of April, May and June, 2019 respectively. The weighted average power purchase cost considering both i.e., base load and peak load power, is Rs.4.99/kWh, Rs.4.91/kWh and Rs.5.00/kWh for the month of April, May and June, 2019 respectively. This purchase rate is observed higher as against the rate of Rs. 4.38/kWh as approved in MYT Order. The reasons for variation is as explained in para below.
- 4.15 It is to be noted that the Commission has approved the rate of Rs.4.38/kWh for both short and medium-term power procurement for FY 2018-19 and FY 2019-20 in its MYT Order. Further, at the time of issuance of MYT Order dated 12 March, 2018, GEPL had short term PPA with MSEDCL for the contract period of 6 Months from 1 October, 2017 to 31 March, 2018. Since, the short term PPA was ending on 31 March, 2018 and in absence of MYT Order (Case No. 149 of 2016) at that time, GEPL had initiated procurement of 5 MW Round-the-Clock (RTC) power at its periphery at 22kV at Rs. 4.38/kWh (excluding Transmission Charges), based on the price discovered in short-term power procurement under the Competitive Bidding Guidelines, for the period from April to September, 2018. Hence, based on the above and in the absence of any other suitable benchmark, the Commission had considered this discovered price in its MYT Order for FY 2018-19 and FY 2019-20.
- 4.16 However, as already explained in para 4.5 above, GEPL subsequently, entered into medium term and short term PPA through competitive bidding and the resulted Tariff of which has also been approved and adopted by the Commission in its respective Orders. As the adopted Tariff (mainly for medium term) is itself higher than the MYT approved rate, therefore, the APPC is appearing higher than that of MYT approved rate, although the same is in line with the base adopted tariff of Rs. 4.94/kWh for medium term and Rs. 4.36/kWh for short term. Further, other adjustment done such as adjustment due to difference in transmission charges and losses, amount of incentives and rebate etc. as per approved PPA during the respective months has also resulted into a variation in actual power purchase rate from the adopted base rate.
- 4.17 Apart from above, the share of medium-term power with higher approved Tariff in the total power purchase is around 80%. This has resulted into higher weighted average price of

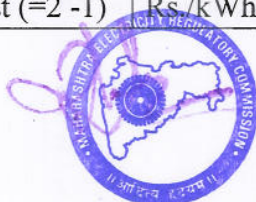
power purchase for the respective months compared to the MYT approved power purchase price.

- 4.18 Further, GEPL has also purchased 628 Non-Solar REC in month of May and 298 Solar REC & 351 Non-Solar REC in month of June, 2019 in order to fulfil its RPO. The impact of aforesaid REC purchase has also contributed to the variation in APPC during the quarter 1 period. As the quantum and hence, cost of REC procured during the above months is higher than the monthly approved MYT cost, the APPC during the above months has increased as compared to MYT approved rate. Further, the APPC in May and June is also higher as compared to April as there were no REC purchase happened in the month of April.
- 4.19 The above respective purchases of REC have been verified by the Commission from the Obligation report submitted by GEPL issued by power exchange. Further, in the month of June, GEPL has inadvertently added the Solar REC quantum in the total power purchase quantum. With regards to REC only associated cost has to be considered in total power purchase cost. The Commission has rectified these errors and accordingly, has considered the respective cost as per obligation report submitted
- 4.20 Considering total power purchase cost including cost of REC, the APPC for the month of April, May and June, 2019 is Rs.4.99/kWh, Rs.5.20/kWh and Rs.5.40/kWh as against the MYT approved price of Rs. 4.53/kWh as shown in Table above. The variation in power purchase cost is mainly on account of revised tariff adoption for the base load requirement and impact of REC purchase as already explained in para above.
- 4.21 After complete scrutiny of documents submitted, the Commission allows the average power purchase cost of Rs.4.99/kWh for the month of April, 2019, Rs. 5.20/kWh for the month of May, 2019 and Rs. 5.40/kWh for the month of June, 2019 as shown in Table above.

## 5. FAC on account of fuel and power purchase cost (F)

- 5.1 The Commission has worked out the average power purchase costs for the months as shown in above Tables. The same has been compared with the average power purchase cost approved by the Commission in MYT Order dated 12 March, 2018 and arrived at differential per unit rate at which  $Z_{FAC}$  is to be passed on to the consumers.
- 5.2 Thus, the following table shows the rectified  $Z_{FAC}$  worked out by the Commission on account of difference in fuel and power purchase cost for the months of April, 2019 to June, 2019.

S. No.	Particulars	Units	April 2019	May 2019	June 2019
1	Average power purchase cost approved by the Commission	Rs./kWh	4.53	4.53	4.53
2	Actual average power purchase cost	Rs./kWh	4.99	5.20	5.40
3	Change in average power purchase cost (=2 -1)	Rs./kWh	0.46	0.67	0.87





S. No.	Particulars	Units	April 2019	May 2019	June 2019
4	Net Power Purchase	MU	2.74	3.15	2.86
5	<b>Change in fuel and power purchase cost (=3 x 4/10)</b>	<b>Rs. Crore</b>	<b>0.13</b>	<b>0.21</b>	<b>0.25</b>

## 6. Adjustment for over recovery/under recovery (B)

6.1 The adjustment factor for over recovery/under recovery (B) is as computed as shown in Table below.

S. No.	Particulars	Units	April 2019	May 2019	June 2019
1.1	Incremental cost allowed to be recovered in Month n-1	Rs. Crore	0.19	0.21	0.27
1.2	Incremental cost in Month n-1 actually recovered in month n	Rs. Crore	0.09	-	0.25
1.3	Over-recovery/under-recovery (1.1 - 1.2)	Rs. Crore	0.10	0.21	0.02
2.0	Carried forward adjustment attributable to application of ceiling limit for previous month	Rs. Crore	-	0.00	0.15
2.1	Refund/Recovery as per previous post facto FAC approval	Rs. Crore	(0.01)	-	-
3.0	<b>Net Adjustment factor for over-recovery/under-recovery</b>	<b>Rs. Crore</b>	<b>0.09</b>	<b>0.21</b>	<b>0.17</b>

6.2 The incremental cost actually recovered as considered by GEPL during the respective months of Q1 of FY 2019-20 has been/ verified from the bill report generated through SAP system submitted by GEPL and found to be in order.

6.3 Further, the Commission in its post facto approval for Oct to Dec, 2018 has directed GEPL to refund a total sum of Rs. (0.013) Crore. GEPL has initiated the aforesaid refund and the same has been considered in present FAC approval.

## 7. Carrying Cost for over recovery/under recovery (C)

7.1 GEPL has not levied any carrying cost for the months of April, 2019 to June, 2019 and the Commission has also not considered the same. However, it was observed that GEPL has inadvertently considered the carry forward adjustment for over-recovery/under-recovery attributable to application of ceiling limit for previous month in the carrying cost for the



month of June. The Commission has rectified the said error and accordingly computed the FAC for Q1.

## 8. Disallowance due to excess Distribution Loss

8.1 Regulation 10.8 of MYT Regulations, 2015 provides for FAC amount to be reduced in case the actual distribution loss for the month exceeds the approved distribution loss. The relevant extract is reproduced as follows.

*“10.8 The total ZFAC recoverable as per the formula specified above shall be recovered from the actual sales in terms of “Rupees per kilowatt-hour”:*

*Provided that, in case of unmetered consumers, the ZFAC shall be recoverable based on estimated sales to such consumers, computed in accordance with such methodology as may be stipulated by the Commission:*

*Provided further that, where the actual distribution losses of the Distribution Licensee exceed the level approved by the Commission, the amount of ZFAC corresponding to the excess distribution losses (in kWh terms) shall be deducted from the total ZFAC recoverable”*

8.2 The following table provides the comparison of approved and actual distribution loss and disallowance due to excess distribution loss if any.

S. No.	Particulars	Units	Approved in Tariff Order	Actual Cumulative up to		
				April-19	May-19	June-19
1	Net Energy input at Distribution Voltages	MU	19.50	2.86	3.17	2.96
2	Energy sales at Distribution voltages	MU	19.23	2.80	3.11	2.90
3	Distribution Loss (1 - 2)	MU	0.27	0.06	0.06	0.05
4	Distribution Loss as % (3/1)	%	1.37%	1.96%	1.93%	1.90%
5	Excess Distribution Loss = [Actual Distribution Loss (4) - Distribution loss approved] x Net Energy Input (1)	MU	-	0.017	0.018	0.016
6	<b>Disallowance of FAC due to excess Distribution Loss</b>	<b>Rs. Crore</b>	-	0.001	0.002	0.002

8.3 As seen from the above Table, cumulative distribution loss for the months of April, 2019 to June, 2019 is higher than the MYT approved distribution loss of 1.37%. The Commission has sought for reasoning for the higher distribution losses. In response to same query raised by the Commission in its previous vetting report, GEPL has stated that, the losses approved by Commission in MYT were the average of FY 2016-17.



However, since March, 2017 the occupancy of buildings B#2 & B#3 has increased thereby increasing load losses of the system. Further, these are minimal technical losses of the network and are consistent.

8.4 The Commission observed that GEPL has worked out disallowance of FAC due to excess Distribution Loss based on the Distribution Loss corresponding to the standalone energy input at distribution voltage for the April months. However, the Commission recomputed the disallowance based on the cumulative Distribution Loss. Accordingly, the disallowance on account of excess distribution loss for the month of April, May and June, 2019 has been worked out.

## 9. Summary of Allowable Z<sub>FAC</sub>

9.1 The summary of the FAC amount as approved by the Commission for the month of April, 2019 to June, 2019 as shown in the Table below.

S. No.	Particulars	Units	April 2019	May 2019	June 2019
<b>1.0</b>	<b>Calculation of Z<sub>FAC</sub></b>				
1.1	Change in cost of generation and power purchase attributable to Sales within the License Area (F)	Rs. Crore	0.13	0.21	0.25
1.2	Carrying cost for over-recovery/under-recovery (C)	Rs. Crore	-	-	-
1.3	Adjustment factor for over-recovery/under-recovery (B)	Rs. Crore	0.09	0.21	0.17
<b>1.4</b>	<b>Z<sub>FAC</sub> = F+C+B</b>	<b>Rs. Crore</b>	<b>0.21</b>	<b>0.42</b>	<b>0.42</b>
<b>2.0</b>	<b>Calculation of FAC Charge</b>				
2.1	Energy Sales within the License Area	MU	2.80	3.11	2.90
2.2	Excess Distribution Loss	MU	0.02	0.04	0.05
2.3	Z <sub>FAC</sub> per kWh	Rs./kWh	0.75	1.34	1.41
2.4	Cap at 20% of variable component of tariff	Rs./kWh	0.86	0.86	0.86
2.5	FAC Charge allowable (Minimum of 2.3 and 2.4)	Rs./kWh	0.75	0.86	0.86
<b>3.0</b>	<b>Recovery of FAC</b>				
3.1	Allowable FAC	Rs. Crore	0.21	0.42	0.42
3.2	FAC disallowed corresponding to excess Distribution Loss [(2.2 x 2.5)/10]	Rs. Crore	0.001	0.003	0.005
<b>4.0</b>	<b>Total FAC based on category wise and slab wise allowed to be recovered</b>	<b>Rs. Crore</b>	<b>0.21</b>	<b>0.27</b>	<b>0.25</b>
5.0	Carried forward FAC for recovery during future period (3.1-3.2-4.0)	Rs. Crore	-	<b>0.15</b>	<b>0.16</b>



9.2 It can be seen from the above Table that standalone FAC for the months of April, May & June, 2019 is Rs. 0.21 Crore, 0.42 and Rs. 0.42Crore respectively. Based on energy sales and excess distribution loss, FAC per unit has been worked out as Rs. 0.75/ kWh, Rs. 1.34/ kWh and Rs. 1.41/ kWh for the months of April to May, 2019 as shown above.

9.3 Further, the Regulation 10.9 of MYT Regulations,2015 specifies as:

*Provided that the monthly ZFAC shall not exceed 20% of the variable component of Tariff or such other ceiling as may be stipulated by the Commission from time to time:*

9.4 As the FAC per unit computed is higher than the 20% cap specified in Regulation mainly in the month of May & June, 2019 as shown in Table above, hence, there is restriction triggered with regards to such ceiling and accordingly, the allowable ZFAC per unit has been considered as Rs. 0.86/kWh instead of Rs.1.34/kWh& Rs. 1.41/kWh for the month of May and June respectively as shown in Table above.Accordingly, FAC per unit allowable for the months of April to June, 2019 is Rs. 0.75/ kWh, Rs. 0.86/ kWh and Rs. 0.86/ kWh respectively.

9.5 Also, from the above Table, at the end month of Quarter 1, i.e.,June, 2019 Commission has computed the standalone FAC as Rs. 0.42 Crore as against the GEPL's claim of Rs 0.53 Crore. Further, due to ceiling limit, the FAC recoverable has been worked out as Rs. 0.25 Crore. Accordingly, the carried forward FAC for recovery during future period due to application of ceiling has been worked out as Rs. 0.16 Crore (i.e., Rs. 0.42 Crore minus Rs. 0.25 Crore) as against the Rs. 0.28 Crore as claim by GEPL.

## 10. Recovery from Consumers:

10.1 Regulation 10.9 of MERC MYT Regulations, 2015 provides for methodology of recovery of FAC charge from each category of consumers. The relevant extract is reproduced as below.

*"10.9 The ZFAC per kWh for a particular Tariff category/sub-category/consumption slab shall be computed as per the following formula: —*

$$ZFAC \text{ Cat (Rs/kWh)} = [ZFAC / (\text{Metered sales} + \text{Unmetered consumption estimates} + \text{Excess distribution losses})] * k * 10,$$

*Where:*

$$ZFAC \text{ Cat} = ZFAC \text{ component for a particular Tariff category/sub-category/consumption slab in 'Rupees per kWh' terms;}$$

$$k = \text{Average Billing Rate} / \text{ACOS};$$

*Average Billing Rate = Average Billing Rate for a particular Tariff category/sub-category/consumption slab under consideration in 'Rupees per kWh' as approved by the Commission in the Tariff Order:*



*Provided that the Average Billing Rate for the unmetered consumers shall be based on the estimated sales to such consumers, computed in accordance with such methodology as may be stipulated by the Commission:*

*ACOS = Average Cost of Supply in 'Rupees per kWh' as approved for recovery by the Commission in the Tariff Order:*

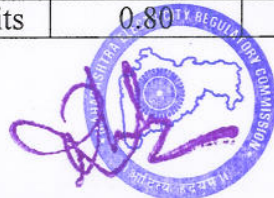
*Provided that the monthly ZFAC shall not exceed 20% of the variable component of Tariff or such other ceiling as may be stipulated by the Commission from time to time:*

*Provided further that any under-recovery in the ZFAC on account of such ceiling shall be carried forward and shall be recovered by the Distribution Licensee over such future period as may be directed by the Commission....”*

- 10.2 The Commission has worked out FAC per unit for each category of consumer based on the formula provided in the above Regulations. The Commission observed that there is a variation of  $Z_{FAC}$  in absolute terms on considering category wise per unit FAC worked out and category wise actual sales for the months of April, 2019 to June, 2019.
- 10.3 The variation in FAC in absolute terms is due to formula error of  $Z_{FAC}$  computed on per unit basis. The variation however is taken care in the adjustment factor of subsequent months.
- 10.4 The following table shows per unit  $Z_{FAC}$  for the months of April, May and June, 2019 to be levied on consumers of GEPL in the corresponding billing month of May, June and July, 2019 respectively.

**FAC for Billing Month in May 2019 to July, 2019**

S. No	Consumer Category	Slabs	ZFAC computed for the month of		
			May, 2019	June, 2019	July, 2019
			(Rs./kWh)	(Rs./kWh)	(Rs./kWh)
	<b>HT Category</b>				
1	HT- I Industrial	all units	0.80	0.86	0.86
2	HT-II Commercial	all units	0.80	0.86	0.86
	<b>LT Category</b>		0.80	0.86	0.86
3	LT-I General Purpose	all units	0.80	0.86	0.86
4	LT-II(A) Commercial (0-20 kW)	all units	0.80	0.86	0.86
5	LT-II (B) Commercial (above 20 kW)	all units	0.80	0.86	0.86
6	LT-III (A) Industrial (0-20 kW)	all units	0.80	0.86	0.86



S. No	Consumer Category	Slabs	ZFAC computed for the month of		
			May, 2019	June, 2019	July, 2019
			(Rs./kWh)	(Rs./kWh)	(Rs./kWh)
7	LT-III (B) Industrial (above 20 kW)	all units	0.80	0.86	0.86

