



# महाराष्ट्र विद्युत नियामक आयोग Maharashtra Electricity Regulatory Commission



Ref. No. MERC/FAC/2023-24/EON-I/Q3/0318

Date: 22 May, 2024

To,  
EON Kharadi Infrastructure Private Limited (EON SEZ Phase I)  
Tech Park One, Tower 'E',  
S. No. 191/A/2A/1/2,  
Next to Don Bosco School,  
Off Airport Road, Yerwada,  
Pune, Maharashtra, 411006

**Subject:** Post facto approval of Fuel Adjustment Charges (FAC) submissions of EON I for the months of October 2023 to December 2023.

**Reference:**

1. EON I FAC submission for the month of October 2023 to December 2023 vide email dated 22 March, 2024
2. Data gaps set-1 communicated to EON I vide email dated 01 April, 2024.
3. EON I's response to data gaps on 05 April, 2024.

Sir,

Upon vetting the FAC calculations for the months of October 2023 to December 2023 as mentioned in the above reference, the Commission has accorded approval for FAC amount and the carry forward Fund as shown in the table below:

Month	Oct 23	Nov 23	Dec 23
Z <sub>FAC</sub> allowed for recovery (Rs. Cr)	(0.25)	(0.16)	0.19
Cumulative FAC for recovery (Rs. Cr)	-	-	0.07

The Commission allows recovery of cumulative FAC of Rs 0.07 Crore as on December 2023. Accordingly, the FAC chargeable to its consumers is as shown in the table below: -

Month	October, 2023 to December, 2023
Z <sub>FAC</sub> allowed for recovery (Rs. Crore)	0.07

The effective FAC recoverable in the billing month of March, 2024 is Rs. 0.07 Crore which is within limit of ceiling of 20% of variable component.



Yours faithfully,

(Dr. Rajendra G. Ambekar)  
Secretary, MERC

Encl: Annexure A: Detailed Vetting Report for the period of October, 2023 to December, 2023.

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**Detailed Vetting Report**

**Date: 22 May, 2024**

**POST FACTO APPROVAL FOR FAC CHARGES FOR THE MONTHS OF OCTOBER, 2023 TO DECEMBER, 2023**

**Subject:** Post facto approval of Fuel Adjustment Charges (FAC) submissions of EON I for the months of October 2023 to December 2023.

**Reference:**

1. EON I FAC submission for the month of October 2023 to December 2023 vide email dated 22 March, 2024
2. Data gaps set-1 communicated to EON I vide email dated 01 April, 2024.
3. EON I's response to data gaps on 05 April, 2024.

**1. FAC submission by EON I:**

- 1.1 M/s. EON Kharadi Infrastructure Private Limited (hereafter "EON I") has made FAC submissions for the months of October'2023 to December'2023 as referred above. Upon vetting the FAC calculations, taking cognizance of all the submissions furnished by EON I, the Commission has accorded approval to EON I for standalone FAC amount of Rs. (0.25) Crore, Rs. (0.16) Crore and Rs. 0.19 Crore for the months of October, 2023, November, 2023 and December, 2023 respectively resulting in a cumulative FAC recoverable of Rs. 0.07 Crore. The approved cumulative FAC amount of Rs 0.07 Crore shall be recovered from consumers of EON I, which is within the limit of ceiling of 20% of variable component as per the Order dated 31 March, 2022 in Case No. 235 of 2022 (herein after referred to as "Tariff Order").

**2. Background**

- 2.1 On 31 March, 2023, the Commission has issued Tariff Order in respect of EON I (Case No. 235 of 2022) for approval of Truing-up of FY 2020-21 & FY 2021-22, Provisional Truing-up of FY 2022-23, and Aggregate Revenue Requirement (ARR) and Tariff for the Multi-Year Tariff period for FY 2023-24 and FY 2024-25.
- 2.2 The Commission had communicated the excel formats and guiding principles for filing of FAC submissions to all Distribution Licensees including SEZs. 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 In the Tariff Order, the Commission has stipulated methodology of levying FAC as follows:





**“5.7 Stabilising Variation in Consumer Bill on account of FAC**

5.7.1 *As per MYT Regulations, 2019, the aggregate gain or loss to a Distribution Licensee on account of variation in cost of fuel, power purchase, and inter-State Transmission Charges shall be passed through under the Fuel Adjustment Charge (FAC) component of the Z-factor Charge (ZFAC), as an adjustment in its tariff on a monthly basis. Relevant part of the MYT Regulation is reproduced below:*

*“10.2 The aggregate gain or loss to a Distribution Licensee on account of variation in cost of fuel, power purchase, and inter-State Transmission Charges, covered under Regulation 9.1, shall be passed through under the Fuel Adjustment Charge (FAC) component of the Z-factor Charge (ZFAC), as an adjustment in its Tariff on a monthly basis, as specified in these Regulations and as may be determined in orders of the Commission passed under these Regulations, and shall be subject to ex-post facto approval by the Commission on a quarterly basis:*

*.....”*

5.7.2 *Similar arrangement for passing on the variation in fuel and power purchase cost existed in all previous Tariff Regulations of the Commission. Such mechanism is in line with the provision of the EA, 2003 which mandates recovery of the fuel cost in timely manner so that the Distribution Licensees are able to recover their legitimate power purchase cost variation. This has helped regular recovery of power purchase variations without accumulating it till next tariff revision. This provision also addresses the financial/cash flow issue of Distribution Licensee wherein the payment for power purchase is required to be made in timely manner at prevailing cost. At the same time it also helps in reducing carrying cost burden on consumer which otherwise would have to be borne if such monthly levy accumulates and the gap is recovered through tariff revision in MYT or MTR as the case may be. Although, consumers are now well aware of this mechanism, there is general and reasonable expectation that once the tariff is approved by the Commission, to the extent possible, it should remain constant during the year and there should not be large variations due to FAC. The unknown variation in the tariff on account of FAC has adverse financial implications on all the categories especially Industrial and Commercial categories where the impact of FAC is generally higher. Variation in tariff is magnified when there is negative FAC leading to reduction in tariff during a particular month and positive FAC in the immediate next month thereby increasing the tariff.*

5.7.3 *Variation in FAC is either on account of change in fuel related costs or mix of power procurement. During the Public hearings in case of other Distribution Licensees, many suggestions were received on this issue and the consumers requested that an appropriate revised mechanism should be put in place wherein there is a minimum impact of FAC felt by the consumers. The Commission opines that this is a very reasonable expectation of the Consumers. The Commission is fully aware that inspite of approving this tariff, the possibility of FAC cannot be ruled out due to uncontrollable event occurring globally or within the country affecting the power purchase cost of the licensee. To ensure stabilisation of tariffs to the extent possible, and to minimise the variation in FAC, the Commission thinks it fit to approve constitution of a FAC Fund with Distribution*





*Licensee which can be built up over a period of time to be used for payment of FAC bills of Generating companies without immediately loading it on consumers.*

- 5.7.4 *Therefore, using its powers for Removing Difficulty under Regulations 106 of MYT Regulations, 2019, the Commission is making following changes in FAC mechanism stipulated under Regulation 10 of MYT Regulations, 2019.*
- a) *Distribution Licensee shall undertake computation of monthly FAC as per Regulation 10 of the MYT Regulations, 2019 except for treatment to be given to negative FAC as follows:*
- i. *Negative FAC amount shall be carried forward to the next FAC billing cycle with holding cost.*
  - ii. *Such carried forward negative FAC shall be adjusted against FAC amount for the next month and balance negative amount shall be carried forward to subsequent month with holding cost.*
  - iii. *Such carry forward of negative FAC shall be continued till next tariff determination process.*
  - iv. *In case such FAC Fund is yet to be generated or such generated fund is not sufficient to adjust against FAC computed for given month, then Distribution Licensee can levy such amount to the consumers through FAC mechanism.*
- 5.7.5 *In order to maintain transparency in management and use of such FAC Fund, Distribution Licensee shall maintain monthly account of such FAC fund and upload it on its website for information of stakeholders. Such details shall also be submitted to the Commission on quarterly basis along with proposal for post facto vetting of FAC."*
- 2.4 Further, as per provisions of Regulations 10.2 of MYT Regulations, 2019, before levying FAC for the first month of the 4<sup>th</sup> Control Period, Distribution Licensees including SEZs (Deemed Distribution Licensees) are required to seek prior approval of the Commission for the first month of the first year of the control period and as per Regulations 10.5 of MYT Regulations 2019, post facto approval of FAC to be sought on quarterly basis within 60 days of close of each quarter.
- 2.5 Since the first FAC order for Q1 and Q2 of FY 2023-24 was issued on 11 March 2024, accordingly, vide its email dated 22 March, 2024, EON I has filed FAC for the month of October, 2023 to December, 2023 for post facto approval. The data gaps were identified by the Commission during the FAC submission review on dated 01 April, 2024. EON I responded to these data gaps on 05 April, 2024. Accordingly, EON I filed FAC submission from October, 2023 to December, 2023 on 05 April, 2024.
- 2.6 The Commission has scrutinized the submissions provided by EON I and has also verified the 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 EON I in the FAC submission and as approved by the Commission in Case No. 235 of 2022 are as shown in the Table 1 below:



Approval of FAC for the months of October, 2023 to December, 2023

**Table 1: Energy Sales Approved and Actual in MU**

Consumer Category	Approved by the Commission (MU)	Monthly Approved (MU)	Actual Sales (October, 2023) (MU)	Actual Sales (November, 2023) (MU)	Actual Sales (December, 2023) (MU)
	(I)	(II=I/12)	(III)	(IV)	(V)
<b>HT Category</b>					
HT I -Industry	52.30	4.358	3.250	2.922	2.546
<b>LT Category</b>					
LT II A – Commercial (0-20 kW)	0.28	0.024	0.003	0.002	0.002
LT II B – Commercial (above 20 kW)	0.05	0.004	0.003	0.003	0.003
LT V A Industry	1.03	0.086	0.070	0.064	0.063
LT V B Industry	5.63	0.469	0.466	0.416	0.386
LT VI: LT Electric Vehicle Charging Station	0.000	0.000	0.001	0.001	0.001
<b>Total</b>	<b>59.29</b>	<b>4.942</b>	<b>3.794</b>	<b>3.410</b>	<b>3.000</b>

3.2 It can be observed from above Table 1, that the actual sales during the month October, 2023 to December, 2023 are 23% to 39% lower compared to the approved energy sales of 4.94 MU per month for FY 2023-24. It is also observed that the actual sales numbers are at major variation vis-à-vis approved energy sales in all the categories with major variation in HT-I Industry, LT II A – Commercial (0-20 kW), and LT V A Industry.

**4. Power Purchase Details**

4.1 EON I is a Deemed Distribution Licensee notified by the Commission for IT & ITES SEZ located at Yerwada, Pune. EON I does not own or operate any generating stations. Accordingly, EON I has procured power from other sources to meet the demand of its consumers.

4.2 **Power Procurement from Short Term Contracts:** The Commission in the Tariff Order dated 31 March, 2023 in Case No. 235 of 2022 noted that EON I intends to tie up with a new short-term source of power for FY 2023-24 and FY 2024-25. EON I proposed to procure short-term power for FY 2023-24 and FY 2024-25 through new short-term sources at power purchase rate of Rs. 5/kWh. However, the Commission considered average Market Clearing Price (MCP) for the FY 2019-20 and FY 2020-21 and decided to consider the latest approved rate of Rs. 5.40/kWh for FY 2023-24 and FY 2024-25 for procurement of power under Short Term. The relevant extract from the Tariff Order is reproduced below:

*4.5.7. The Commission is of the view that, the underestimations of power purchase would significantly affect the recovery of the ARR approved for the respective years, which may ultimately result in creation of revenue gaps*



*followed by carrying cost burden on to the consumers in the next ensuing control period. The average Market Clearing Price (MCP) for the FY 2019-20 was Rs. 3.005/ kWh, for FY 2020-21 it was Rs. 2.818/ kWh, for FY 2021-22 it was 4.399/ kWh while for the current financial year it is around Rs. 6.017/ kWh. Thus, it is observed that in the prevalent market conditions, the rates discovered for the short-term power procurement are in the range of Rs. 5/ kWh to Rs. 6/ kWh. Thus, for the purpose of estimating the power purchase expense towards the procurement of short-term conventional power, the Commission has decided to consider the latest approved rate of Rs. 5.40/ kWh for FY 2023-24 and FY 2024-25.*

4.3 The Commission has accordingly considered the said rate as per prevalent market conditions for the purpose of power purchase expense towards the procurement of short-term conventional power for FY 2023-24 and FY 2024-25. Accordingly, the power purchase approved for FY 2023-24 is Rs. 5.29/kWh in the said Tariff Order which includes the power procurement from short term sources and procurement of Solar and Non-Solar. The Commission has approved the Power Purchase considering all the sources of electricity supply opted by EON I.

4.4 Summary of power purchase of EON I is as under:

Sr. No.	Particular	Compliance								
1	Purchase from Approved Sources	The Commission in the MTR Order dated 31 March, 2023 in Case No. 235 of 2022 has considered power purchase expenses as per prevalent market conditions and allowed procurement of short-term conventional power for FY 2023-24 and FY 2024-25 @Rs. 5.40/kWh and renewable power @Rs. 4.90/kWh. EON I has procured power under short term bilateral contract from hydro generators and power exchange in the months of October, 2023 to December, 2023.								
2	Merit Order Dispatch	EON I has procured power on short term basis. EON I has followed merit order for scheduling of power and preference was given to cheapest power. Further, EON I met its peak power requirement through power procurement from power exchange.								
3	Fuel Utilization Plan	Not applicable								
4	DSM Pool	EON I has overdrawn / underdrawn as per following table: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Months</th> <th style="width: 50%;">Deviation units in MU</th> </tr> </thead> <tbody> <tr> <td>Oct-23</td> <td>0.01 – Over drawl</td> </tr> <tr> <td>Nov-23</td> <td>(0.08) - Under drawl</td> </tr> <tr> <td>Dec-23</td> <td>(0.05) - Under drawl</td> </tr> </tbody> </table>	Months	Deviation units in MU	Oct-23	0.01 – Over drawl	Nov-23	(0.08) - Under drawl	Dec-23	(0.05) - Under drawl
Months	Deviation units in MU									
Oct-23	0.01 – Over drawl									
Nov-23	(0.08) - Under drawl									
Dec-23	(0.05) - Under drawl									
5	Sale of Surplus Power	EON I has sold surplus power as per details given below: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Months</th> <th style="width: 50%;">Surplus sale of Power in MU</th> </tr> </thead> <tbody> <tr> <td>Oct-23</td> <td>(0.60)</td> </tr> <tr> <td>Nov-23</td> <td>(0.26)</td> </tr> <tr> <td>Dec-23</td> <td>(0.38)</td> </tr> </tbody> </table>	Months	Surplus sale of Power in MU	Oct-23	(0.60)	Nov-23	(0.26)	Dec-23	(0.38)
Months	Surplus sale of Power in MU									
Oct-23	(0.60)									
Nov-23	(0.26)									
Dec-23	(0.38)									
6	Power Purchase	Actual Net Power Purchase for October 2023 to December 2023 was								





Approval of FAC for the months of October, 2023 to December, 2023

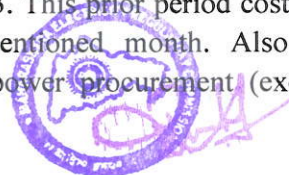
Sr. No.	Particular	Compliance				
		3.91 MU, 3.45 MU and 2.91 MU respectively as against approved 5.25 MU due to lower sales				
7	Source wise Power Purchase	Source Name	Approved (MU)	October, 2023 Actual (MU)	November, 2023 Actual (MU)	December, 2023 Actual (MU)
		New Short-term Source	4.09	-	-	-
		Solar Purchase	0.55	-	-	-
		Non-Solar Purchase	0.60	3.90	1.61	0.32
		Power Exchange	0.00	0.61	2.18	3.02
		DSM Pool	0.00	0.01	(0.08)	(0.05)
		Surplus Sale	0.00	(0.60)	(0.26)	(0.38)
		<b>Total</b>	<b>5.25</b>	<b>3.91</b>	<b>3.45</b>	<b>2.91</b>

**5. Power Purchase Cost:**

5.1 The Commission has scrutinised the bills/invoices submitted for power purchase during the month from October, 2023 to December, 2023 to verify the claim of EON I regarding Average Power Purchase Cost (APPC). The Commission has verified the actual as well as approved Net Purchase (MU), Variable Cost (Rs. /kWh) and Power Purchase Cost considered in FAC computation from the invoices and applicable MTR Order.

5.2 **Short-term Source:** To meet base load requirement, the Commission has approved the power purchase expense towards the procurement of short-term conventional power of Rs. 5.40/kWh. EON I has submitted that it has floated 5 no. of tenders, however there was limited participation from generators and quoted price were on higher side and hence it was not able to enter into short term contract for conventional power as envisaged in the MTR Order. Further, the Commission in Case No. 205 of 2022 dated 26 December, 2022 has allowed EON I to procure power from Power Exchange and other permissible route. Accordingly, EON I has procured power through power exchange and also entered into bilateral power purchase agreement with hydro generator for July, 2023 to July, 2024.

5.3 **Power Procurement from Exchange:** EON I has procured 0.61 MU, 2.18 MU, and 3.02 MU at the rate of Rs. 4.35/kWh, Rs. 4.65/kWh and Rs. 5.65/kWh from the Power Exchange from HP-DAM (only in October 2023), DAM, and RTM products to meet the base power requirement in October, 2023 to December, 2023, respectively. As per EON I, the power procurement from power exchange has been undertaken as allowed by the Commission in Case No. 205 of 2022 dated 26 December 2022. The power so procured by EON I from Power Exchange is higher than approved APPC i.e., Rs. 5.29/kWh in the month of December, 2023 due to Open Access charges claimed for Term Ahead Market transaction in the month of June 2023 and July 2023. This prior period cost has impacted the overall power purchase cost in the aforementioned month. Also, this source contributed to 15%, 63% and 104% of the total power procurement (excluding DSM





variation) for the month of October-23 to December-23, respectively. In December 2023, EON I has procured higher power quantum from power exchange as compared to their net requirement and sold excess power on power exchange during off peak hours. The Commission is of the view that EON-I should plan power purchase effectively and minimise/avoid simultaneous sale and purchase and consider tying up firm power to meet the demand.

- 5.4 **Renewable Sources:** EON I has procured 3.90 MU, 1.61 MU and 0.32 MU at Rs. 4.65/kWh through a short-term bilateral contract with hydro generator tied up pursuant to competitive bidding undertaken by it from Mahalaxmi Vidyut Private Limited. In response to the data gap raised by the Commission for lesser quantum of power procured in November, 2023 and December, 2023 from hydro generator as compared to October, 2023, EON I submitted that the contracted hydro generator has been temporarily shut down due to the unavailability of water from the irrigation department, owing to canal maintenance work. Further, EON I has not procured additional power from power exchange through GDAM and GTAM in the October 2023 to December 2023.

The Commission in MTR Order has approved yearly cost of Rs. 3.24 Crore and Rs. 3.55 Crore for solar and non-solar power, respectively, during FY 2023-24. Accordingly, the resultant monthly approved cost is Rs. 0.27 Crore and Rs. 0.30 Crore for solar and non-solar power, respectively, during FY 2023-24. It has been observed that in the month of October-2023 to December-2023, EON I has procured renewable only Non-solar power of 3.90 MU, 1.61 MU and 0.32 MU at Rs. 4.65/kWh, respectively which is lower than the approved cost by the Commission of Rs. 4.90/kWh. The Commission has verified the aforesaid purchased and its associated cost from invoice issued by generator and traders submitted by EON I and found to be in order.

- 5.5 **Deviation Quantum and Cost:** It is seen that EON I has overdrawn 0.01 MU in the month of October, 2023 and underdrawn 0.08 MU and 0.05 MU for the months of November, 2023 and December, 2023 respectively. The said underdrawl / overdrawl is on account of variation in demand of consumers as against the estimation by the Distribution Licensee. It has been scrutinised and it appears that the same has happened on account of real-time variation, which couldn't be planned. Also, the Commission has noted the discrepancies in actual drawal in the DSM raised by MSLDC from the month of April 2023 to July 2023. In view of the above, the Commission has directed to EON I to resolve the issue of actual drawal for the said month and provide the impact of the same in the FAC submission in Quarter 3 of FY 2023-24 whereby in replies to the queries EON I submitted that it has yet to receive the revised DSM. Therefore, the Commission directs EON I to resolve the issues of actual drawal and negative distribution loss with MSLDC for the month of April 2023 to July 2023 at the earliest and provide the impact if the same in the FAC submission in Quarter 4 of FY 2023-24.
- 5.6 **Sale of Surplus Power:** EON I has sold surplus power to the extent of 0.60 MU, 0.26 MU and 0.38 MU at Rs. 4.72/kWh, Rs. 2.45/kWh and Rs. 3.14/kWh for the month of October-2023 to December-2023, respectively. With such sale of power, EON I has earned revenue of Rs. 0.28 Crore, Rs. 0.06 Crore and Rs. 0.12 Crore for the aforementioned months. It has





Approval of FAC for the months of October, 2023 to December, 2023

been observed that EON I has sold the surplus power at rate lower than the short term bilateral contract with Non-Solar source or power procured from the power exchange, thus increasing the APPC rate and resulting in additional burden on the consumers. The Commission has raised queries related to the sale of surplus power at a rate lower than the short-term bilateral contract with a Non-Solar source. EON I submitted that it has opted to sell surplus power at the power exchange during periods of lower load and surplus power with EON I, irrespective of the rate, in order to prevent incurring additional DSM charges due to non-utilization of scheduled power beyond the permissible limit. Therefore, the Commission directs EON I to undertake necessary measures to prevent burdening consumers within its licensee area by accurately scheduling power from available sources. At present the Commission has considered the sale of surplus power cost on provisional basis. However, the Commission directs EON-I to submit the detailed justification at the time to submission of MYT Petition.

5.7 **Approved Cost:** The details of the overall cost approved as per MTR Order and actual for the months from October, 2023 to December, 2023 is as shown in the **Error! Reference source not found.** below:

**Table 2: Approved Actual Power Purchase cost for EON I for the month from October 2023 to December 2023**

Source	Month	Power Procured (MU)	Fixed Cost		Variable Cost		Total Cost	
			in Rs Crore	in Rs/kWh	in Rs Crore	in Rs/kWh	in Rs Crore	in Rs/kWh
Short term Power Purchase	<b>Approved</b>	<b>4.09</b>	<b>0.00</b>	<b>0.00</b>	<b>2.21</b>	<b>5.40</b>	<b>2.21</b>	<b>5.40</b>
	Oct-23	-	-	-	-	-	-	-
	Nov-23	-	-	-	-	-	-	-
	Dec-23	-	-	-	-	-	-	-
Solar Purchase	<b>Approved</b>	<b>0.55</b>	<b>0.00</b>	<b>0.00</b>	<b>0.27</b>	<b>4.90</b>	<b>0.27</b>	<b>4.90</b>
	Oct-23	-	-	-	-	-	-	0.00
	Nov-23	-	-	-	-	-	-	0.00
	Dec-23	-	-	-	-	-	-	0.00
Non-Solar Purchase	<b>Approved</b>	<b>0.60</b>	-	-	<b>0.30</b>	<b>4.90</b>	<b>0.30</b>	<b>4.90</b>
	Oct-23	3.90	-	-	1.81	4.65	1.81	4.65
	Nov-23	1.61	-	-	0.75	4.65	0.75	4.65
	Dec-23	0.32	-	-	0.15	4.65	0.15	4.65
Power Exchange	<b>Approved</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Oct-23	0.61	-	-	0.26	4.35	0.26	4.35
	Nov-23	2.18	-	-	1.01	4.65	1.01	4.65
	Dec-23	3.02	-	-	1.71	5.65	1.71	5.65
Deviation Quantum	<b>Approved</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Oct-23	0.01	-	-	0.03	23.39	0.03	23.39
	Nov-23	(0.08)	-	-	(0.03)	3.82	(0.03)	3.82
	Dec-23	(0.05)	-	-	(0.01)	2.07	(0.01)	2.07
SLDC Fees	<b>Approved</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Oct-23	-	-	-	0.002		0.002	0.00
	Nov-23	-	-	-	0.002		0.002	0.00
	Dec-23	-	-	-	0.002		0.002	0.00





Approval of FAC for the months of October, 2023 to December, 2023

Source	Month	Power Procured (MU)	Fixed Cost		Variable Cost		Total Cost	
			in Rs Crore	in Rs/kWh	in Rs Crore	in Rs/kWh	in Rs Crore	in Rs/kWh
Sale of Surplus power	Approved	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Oct-23	(0.60)	-	-	(0.28)	4.72	(0.28)	4.72
	Nov-23	(0.26)	-	-	(0.06)	2.45	(0.06)	2.45
	Dec-23	(0.38)	-	-	(0.12)	3.14	(0.12)	3.14
Total	Approved	5.25	0.00	0.00	2.78	5.29	2.78	5.29
	Oct-23	3.91	-	-	1.82	-	1.82	4.66
	Nov-23	3.45	-	-	1.67	-	1.67	4.84
	Dec-23	2.91	-	-	1.73	-	1.73	5.93

5.8 Considering the above, the Commission allows the average power purchase cost of Rs. 4.66/kWh, Rs. 4.84/kWh, and Rs. 5.93/kWh for the respective months of October, 2023 to November, 2023 as shown in Table 2 above. The Commission vide its MTR Order dated 31 March, 2023 in Case No. 235 of 2022, has approved the Average Power Purchase Cost as Rs. 5.29/kWh for the FY 2023-24. The variation in the power purchase cost is on the higher side for the month from December, 2023 due to open access charges claimed by EON I for Term Ahead Market transaction in the month of June 2023 and July 2023 and power procured from power exchange (i.e., DAM / RTM) at higher rate, due to non-availability of hydro power, however the average per unit cost of non-solar power is lower than the approved non-solar per unit rate. The variation in the power purchase cost is on the lower side in the month of October, 2023 and November, 2023 due to lower power procured from power exchange at lower rate and bilateral contract entered for procurement of hydro power through competitive bidding at lower rate than approved in MTR Order of 31 March, 2023.

**6. FAC on account of fuel and power purchase cost (F)**

6.1 The Commission has worked out the average power purchase costs for the month from October, 2023 to December, 2023 as shown in Table 3 below. Table 3: The same has been compared with the average power purchase cost approved by the Commission in MTR Order dated 31 March, 2023 in Case No. 235 of 2022 to arrive at the differential per unit rate at which  $Z_{FAC}$  is to be passed on to the consumers.

6.2 Thus, the following Table 3 shows the  $Z_{FAC}$  worked out by the Commission on account of difference in power purchase cost for the months from October 2023 to December, 2023.

**Table 3: FAC on account of Power Purchase Cost**

Sr. No.	Particulars	Units	Oct, 23	Nov, 23	Dec, 23
1	Average power purchase cost approved by the Commission	Rs. /kWh	5.29	5.29	5.29
2	Actual average power purchase cost	Rs. /kWh	4.66	4.84	5.93
3	Change in average power purchase cost (=2 -1)	Rs. /kWh	(0.63)	(0.45)	0.64



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Sr. No.	Particulars	Units	Oct, 23	Nov, 23	Dec, 23
4	Net Power Purchase	MU	3.91	3.45	2.91
5	Change in power purchase cost (=3 x 4/10)	Rs. Crore	(0.25)	(0.16)	0.19

7. **Adjustment for over recovery/under recovery (B)**

7.1 There is no past adjustment for over recovery/under recovery for the months from October 2023 to December 2023. The adjustment, if any, will be included as part of the next FAC filing.

8. **Carrying Cost for over recovery/under recovery (C)**

8.1 As there is no past adjustment for over recovery/under recovery and hence no carrying cost for over recovery/under recovery for the month from October 2023 to December 2023.

9. **Disallowance due to excess Distribution Loss**

9.1 Regulation 10.8 of MYT Regulations, 2019 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 Z<sub>FAC</sub> 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 Z<sub>FAC</sub> 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 annual sliding distribution losses of the Distribution Licensee exceed the level approved by the Commission, the amount of Z<sub>FAC</sub> corresponding to the excess distribution losses (in kWh terms) shall be deducted from the total Z<sub>FAC</sub> recoverable”*

9.2 The following Table 4 provides the comparison of approved and actual distribution loss and disallowance due to excess distribution loss:

**Table 4: Disallowance of FAC due to excess Distribution Loss**

Sr. No.	Particulars	Units	Approved in Tariff Order	October, 2023	November, 2023	December, 2023
1	Net Energy input at Distribution Voltages	MU	5.08	3.79	3.39	2.97
2	Energy sales at Distribution voltages	MU	4.94	3.79	3.41	3.00



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Sr. No.	Particulars	Units	Approved in Tariff Order	October, 2023	November, 2023	December, 2023
3	Distribution Loss (1 - 2)	MU	0.14	-0.02	-0.02	-0.03
4	Distribution Loss as % (3/1)	%	2.74%	-0.64%	-0.70%	-0.85%
5	Annual Sliding Distribution Loss	%		-10.41%	-11.15%	-12.03%
6	Excess Distribution Loss = [Actual Distribution Loss (4) - Distribution loss approved] x Net Energy Input (1)	MU	-	-	-	-
7	Disallowance of FAC due to excess Distribution Loss	Rs. Crore	-	-	-	-

- 9.3 As seen from the above Table 4, Standalone distribution loss for the months of October 2023, November 2023 and December 2023 is negative and are  $-(0.64)\%$ ,  $-(0.70)\%$  and  $-(0.85)\%$ , respectively, which is lower than the approved distribution loss of 2.74 %.
- 9.4 In response to query raised by the Commission in respect of negative standalone distribution loss for the month from October 2023 to December 2023, EON I submitted that the negative standalone distribution losses primarily arise from the situation where the majority of consumers are categorized as LT consumers but are billed under the HT tariff, wherein transformer losses are included in the monthly billing for consumers falling within this category. The Commission has considered the negative standalone distribution loss for the month from October 2023 to December 2023. The Commission has directed EON I in the FAC approval dated 11 March, 2024, that it has to submit the revised calculation of standalone distribution losses post the receipt of revised DSM invoices from MSLDC. In response to the query raised by the Commission regarding the submission of revised calculation of standalone distribution loss post the receipt of actual drawal, EON I submitted that it has yet to receive the revised DSM invoice from MSLDC. In view of this, the Commission directs EON I to resolve the issue at the earliest and submit the revised calculation of standalone distribution losses in the FAC submission of Q4 of FY 2023-24.
- 9.5 Also, the annual sliding distribution loss for the month October 2023, November 2023 and December 2023 is  $-(10.41)\%$ ,  $-(11.15)\%$  and  $-(12.03)\%$  respectively against the approved distribution loss of 2.74%, for which the reconciliation with DSM is required to be undertaken and the Commission has given necessary direction for the same. Since the distribution loss is negative and lower than the approved distribution loss, the Commission has not worked out any disallowance on account of excess Distribution loss.

10. Summary of Allowable Z<sub>FAC</sub>

- 10.1 The summary of the FAC amount as approved by the Commission for the months from October 2023 to December 2023 as shown in the Table 5 below.



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**Table 5: Summary of Allowable Z<sub>FAC</sub>**

S. No.	Particulars	Units	Oct-23	Nov-23	Dec-23
<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	(0.25)	(0.16)	0.19
1.2	Carrying cost for over-recovery/under-recovery (C)	Rs. Crore	0.00	0.00	-
1.3	Adjustment factor for over-recovery/under-recovery (B)	Rs. Crore	0.29	0.04	-
<b>1.4</b>	<b>Z<sub>FAC</sub> = F+C+B</b>	<b>Rs. Crore</b>	<b>0.04</b>	<b>(0.11)</b>	<b>0.19</b>
<b>2.0</b>	<b>Calculation of per Unit FAC</b>				
2.1	Energy Sales within the License Area	MU	3.79	3.41	3.00
2.2	Excess Distribution Loss	MU	-	-	-
2.3	ZFAC per kWh	Rs./kWh	0.12	(0.33)	0.62
2.4	ZFAC Charged per kWh		-	-	-
2.5	Cap at 20% of variable component of tariff	Rs./kWh	1.18	1.18	1.18
2.6	FAC Charge allowable (Minimum of 2.3 and 2.4)	Rs./kWh	0.12	(0.33)	0.62
<b>3.0</b>	<b>Allowable FAC</b>				
3.1	FAC disallowed corresponding to excess Distribution Loss [(2.2 x 2.3) / 10]	Rs. Crore	-	-	-
3.2	FAC allowable [1.4-3.1]	Rs. Crore	0.04	(0.11)	0.19
<b>4.0</b>	<b>Utilization of FAC Fund</b>				
4.1	Opening Balance of FAC Fund	Rs. Crore	-	-	(0.11)
4.1a	Carrying / (Holding) Cost on FAC Fund	Rs. Crore	-	-	(0.00)
4.1b	Net Opening Balance of FAC Fund	Rs. Crore	-	-	(0.11)
4.2	ZFAC for the month (Sr. N. 3.2)	Rs. Crore	0.04	(0.11)	0.19
4.3	Closing Balance of FAC Fund	Rs. Crore	-	(0.11)	-
4.4	ZFAC leviable/refundable to consumer	Rs. Crore	0.04	-	0.07
<b>5.0</b>	<b>Total FAC based on category wise and slab wise allowed to be recovered</b>	<b>Rs. Crore</b>	<b>-</b>	<b>-</b>	<b>0.07</b>
<b>6.0</b>	<b>Carried forward FAC for recovery during future period (4.4-5.0)</b>	<b>Rs. Crore</b>	<b>0.04</b>	<b>-</b>	<b>-</b>

10.2 It can be seen from the above Table 5 that standalone FAC for the month of October 2023, November 2023 and December 2023 is Rs. (0.25) Crore, Rs. (0.16) Crore and Rs. 0.19 Crore respectively. The monthly FAC has been added to the monthly FAC amount with carrying cost. Since the cumulative FAC as on December 2023 is positive and thus there is FAC leviable on the consumers.

**11. Recovery from Consumers:**

11.1 Regulation 10.9 of MERC MYT Regulations, 2019 provides for methodology of recovery of FAC charge from each category of consumers. The relevant extract is reproduced as below.

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





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

Where:

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

$k$  = Average Billing Rate / 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  $Z_{FAC}$  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  $Z_{FAC}$  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...."

- 11.2 The Commission has invoked power of removing difficulties under MYT Regulations 2019 and has suggested changes in computation of FAC under para 5.7.4 of MTR Order in Case No. 235 of 2022 as specified in Para 2.3 of this approval.
- 11.3 The Commission in its FAC approval dated 11 March, 2024 has approved accumulated FAC amount of Rs. 0.69 Crore, and further directed EON I to levy the FAC of Rs. 0.40 Crore in the month of March 2024 and carry forward the balance amount of Rs. 0.29 Crore with carrying cost in next billing cycle.
- 11.4 In view of the above, after consideration of carried forward amount of Rs. 0.29 Crore with carrying cost, the accumulated FAC amount as on December 2023 worked out to be Rs. 0.07 Crore and the same is to be allowed to be recovered from consumers in the month of May, 2024. The Commission notes that recovery of said amount is within the ceiling limit of 20% and monthly recovery would be Rs. 0.07 Crore.
- 11.5 The Commission has worked out FAC per unit for each category of consumer based as per provision of MYT Regulations, 2019.
- 11.6 The following table shows per unit  $Z_{FAC}$  for the months of October, 2023 to December, 2023 to be levied on EON I consumers in the month of June, 2024.



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Table 6: Category wise FAC to be levied to the Consumers

Consumers Categories	Z <sub>FAC</sub> for the month of December, 2023 Rs. / kVAh
<b>HT Category</b>	
HT I -Industry	0.24
HT II – Commercial	0.24
HT III: HT Electric Vehicle Charging Station	0.24
<b>LT Category</b>	
LT II A – Commercial (0-20 kW)	0.24
LT II B – Commercial (above 20 kW)	0.24
LT V A Industry (0 - 20 kW)	0.24
LT V B Industry (above 20 kW)	0.24
LT VI: LT Electric Vehicle Charging Station	0.24

