



MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

13th floor, Centre No.1, World Trade Centre, Cuffe Parade, Mumbai-400 005

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Website: www.merc.gov.in

Advertisement No.: 02/2025

PUBLIC NOTICE

Case No. 1/SM/2025

20 February 2025

HEARING ON SUO – MOTU DRAFT ORDER

ON RENEWABLE ENERGY TARIFF FOR FY 2025-26

1. In Pursuance of Regulation 8 of the Maharashtra Electricity Regulatory Commission (Terms and Conditions for Determination of Renewable Energy Tariff) Regulations, 2019, the Commission has *suo-motu* prepared a Draft Order in the matter of determination of Generic Tariff for Renewable Energy Technologies for FY 2025-26 within Maharashtra, which is available on the Commission's website www.merc.gov.in in downloadable format.
2. The Commission hereby invites objections and suggestions from the public on the Draft Order. Every person/stakeholder who intends to file suggestions/ objections can submit the same in English or Marathi language in writing by uploading it through '**E-Public Consultation**' Tab on MERC Website (www.merc.gov.in/e-public-consultation). In case of any difficulty in accessing this feature, concerned stakeholders can contact the MERC Office on Mobile No.: 8928071522 or on email id: suggestions@merc.gov.in between 10.00 AM to 5.00 PM on all the working days.

A Person/Stakeholder who has uploaded suggestion and objection on '**E-Public Consultation**' Tab need not file any hard copy of its submission. Persons/Stakeholders who do not have access to electronic media can file their suggestion and objection in a hard copy addressed to **The Secretary, Maharashtra Electricity Regulatory Commission, 13th Floor, Centre No.1, World Trade Centre, Cuffe Parade, Mumbai-400 005.**

It should be clearly indicated whether the objection is being filed on behalf of any organization or category of consumers. Suggestions and/or objections received after **6.00 PM on 13 March 2025** shall not be considered. Suggestions/Objections filed through any other mode shall not be considered.

3. If the objector who has submitted his comments/suggestions as per para (2) above and wants to be heard in person in e-Public Hearing, then he should specifically mention the same at the time of filing of suggestions /objections. In such cases, submission of valid email ID and Mobile Number would be mandatory. The Commission at its sole discretion, may permit such sender/objector to be heard in the e-Public Hearing. All participants attending the e-Public Hearing shall follow the Practice Directions on 'Operational procedure and protocol to be followed for e-hearing of the Petition before the Commission' issued by the Commission on 14 November 2022.
4. Hearing to be held through video conference on **18 March 2025 at 10:30 AM**. No separate notice will be issued for the purpose.

Sd/-

Place: Mumbai
Date: 20 February, 2025

(Dr. Rajendra G. Ambekar)
Secretary, MERC





महाराष्ट्र विद्युत नियामक आयोग

१३ वा मजला, केंद्र क्र. १, जागतिक व्यापार केंद्र, कफ परेड, कुलाबा, मुंबई - ४०० ००५,
दूरध्वनी : ०२२-२२१६ ३९६४ / २२१६ ३९६५, ई-मेल: mercindia@merc.gov.in
संकेत स्थळ: www.merc.gov.in

विज्ञापन संख्या: ०२/२०२५

जाहीर सूचना

प्रकरण क्र. ०१/एसएम/२०२५

२० फेब्रुवारी, २०२५

आर्थिक वर्ष २०२५-२६ करिता नूतनशील ऊर्जेच्या दराबाबत आयोगाने स्वतःहून तयार केलेल्या प्रारूप आदेशावर सुनावणी

१. महाराष्ट्र विद्युत नियामक आयोग (नूतनशील ऊर्जेच्या दर निश्चितीकरणाच्या अटी व शर्ती) विनियम, २०१९ मधील विनियम ८ ला अनुसरून, महाराष्ट्रातील नूतनशील ऊर्जा तंत्रज्ञानांकरिता आर्थिक वर्ष २०२५-२६ साठी सामान्य (जेनेरिक) वीज दराच्या निश्चितीकरणासाठी आयोगाने स्वतः पुढाकार घेऊन प्रारूप आदेश तयार केला असून तो आयोगाच्या www.merc.gov.in या संकेत-स्थळावर उतरवून घेण्याच्या स्वरूपात उपलब्ध आहे.

२. आयोग याद्वारे सदर प्रारूप आदेशावर जनतेकडून हरकती व सूचना मागवित आहे. इच्छुक व्यक्ती / संबंधितांना आयोगाच्या संकेत-स्थळावरील 'E - public consultation' या टॅबद्वारे त्यांच्या सूचना/हरकती इंग्रजी किंवा मराठी भाषेमध्ये लेखी अपलोड करता येतील (www.merc.gov.in/e-public-consultation) या टॅबचा वापर करण्यात कोणतीही अडचण आल्यास, संबंधित व्यक्ती कामकाजाच्या सर्व दिवसांमध्ये सकाळी १०.०० ते सायंकाळी ५.०० या दरम्यान मोबाईल क्र. ८९२८०७१५२२२ वर किंवा suggestions@merc.gov.in या ई-मेल आयडीवर संपर्क साधू शकतात.

ज्या व्यक्ती/हितसंबंधितांनी आयोगाच्या 'E-Public Consultation' या टॅबवर सूचना आणि हरकती दाखल केल्या असतील त्यांस त्यांच्या निवेदनाची छापील प्रत दाखल करण्याची आवश्यकता नाही. ज्या व्यक्तीला इलेक्ट्रॉनिक माध्यमांचा वापर करणे शक्य नाही त्यांनी त्यांच्या सूचना आणि हरकतींची छापील प्रत सचिव, महाराष्ट्र विद्युत नियामक आयोग यांना १३ वा मजला, केंद्र क्र. १, जागतिक व्यापार केंद्र, कफ परेड, मुंबई - ४०० ००५ या पत्त्यावर पाठवावी.

कोणत्याही संस्थेच्या किंवा ग्राहक वर्गवारीच्या वतीने हरकती पाठविण्यात येत असल्यास तसे त्यात नमूद करावे. दिनांक १३ मार्च, २०२५ रोजी सायंकाळी ६.०० नंतर प्राप्त झालेल्या सूचना आणि/किंवा हरकती विचारात घेण्यात येणार नाहीत. अन्य कोणत्याही माध्यमाद्वारे दाखल करण्यात आलेल्या सूचना/हरकती विचारात घेण्यात येणार नाहीत.

३. वरील परिच्छेद (२) नुसार, अभिप्राय / हरकती पाठविणाऱ्या आक्षेपकाला त्याचे म्हणणे ई-जन सुनावणीमध्ये व्यक्तिशः मांडावयाचे असल्यास सूचना / हरकती दाखल करताना त्याने तसे विशेषत्वाने नमूद करावे. अशा प्रकरणी, वैध ई-मेल आयडी आणि मोबाईल क्रमांक देणे अनिवार्य राहिल. आयोग, आपल्या स्वेच्छानिर्णयानुसार, अशा प्रेषक / आक्षेपकाला ई-सुनावणीमध्ये त्याचे म्हणणे मांडण्याची परवानगी देईल. जाहीर ई-जन सुनावणीत भाग घेणाऱ्या सर्व व्यक्ती आयोगाने दि. १४ नोव्हेंबर, २०२२ रोजी जारी केलेल्या आयोगाच्या याचिकेच्या ई-सुनावणीसाठी अनुसरावयाची परिचालनात्मक कार्यपध्दती आणि प्रोटोकॉल वरील कार्यप्रणाली निर्देशांचे पालन करतील.

४. दिनांक १८ मार्च, २०२५ रोजी सकाळी १०.३० वाजता व्हिडीओ कॉन्फरन्सद्वारे ई-सुनावणी घेण्यात येईल. या प्रयोजनासाठी वेगळी सूचना देण्यात येणार नाही.

सही/-

(डॉ. राजेंद्र गं. आंबेकर)
सचिव, मविनिआ

ठिकाण: मुंबई

दिनांक: २० फेब्रुवारी, २०२५

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Case No. 1/SM/2025

In the matter of

Generic Renewable Energy Tariff for FY 2025-26 under MERC (Renewable Energy Tariff) Regulations, 2019

DRAFT ORDER (SUO-MOTU)

Dated: __ March 2025

Background:

1. The Commission notified the MERC (Terms and Conditions for Determination of Renewable Energy Tariff) Regulations, 2019, ('RE Tariff Regulations, 2019') on 30 December 2019 after following due process. These Regulations have become applicable from 1 April 2020 for determination of tariff for RE Technologies. The first Review Period under these Regulations is of five (5) financial years (FY), from FY 2020-21 up to the end of FY 2024-25.
2. Under RE Tariff Regulations, 2019, the Commission has option to extend Regulations to next Review Period. Relevant part of the Regulations is reproduced below:

“

5.3 At the end of the first Review Period, the Commission may, either extend the applicability of these Regulations for a further period with any modifications through Order, or decide to notify new Regulations for subsequent period:”

Considering above, the Commission vide its Order dated 30 January 2025 extended the applicability RE Tariff Regulations, 2019 for Second Review Period i.e. FY 2025-26 to FY 2029-30.

3. As per Regulation 7.1 of RE Tariff Regulations, 2019, Tariff for following types of RE Projects shall invariably be determined through a transparent process of competitive bidding in accordance with the Guidelines issued by the Central Government under Section 63 of the Electricity Act, 2003:

- (a) Wind Energy Power Projects;
- (b) Solar PV Power Projects;
- (c) Non-Fossil Fuel-based Co-Generation;
- (d) Biomass based Projects;
- (e) Hybrid RE Power Projects.

Thus, for all the above RE Technologies, the Commission will not be determining the Generic Tariff and will only adopt the tariff discovered through transparent competitive bidding process as has been specified in the RE Tariff Regulations, 2019.

4. Scope of determination of Generic Tariff under RE Tariff Regulations, 2019 is limited to notification of the generic tariff for Solar Roof-top PV and determination of variable charge for Biomass and non-fossil fuel-based Co-generation Projects. Relevant Regulations is reproduced below:

“
8. *Generic Tariff*

The Commission shall notify the generic tariff for Solar Roof-top PV Power Projects and determine the Variable Charges for Biomass and Non-fossil fuel-based Co-generation Projects, in accordance with the norms specified in these Regulations:

Provided that the above Generic Tariff determination of Variable Charges shall not apply for Biomass and Non-fossil fuel-based Co-generation Projects, whose tariff has been determined through the competitive bidding process and adopted by the Commission.”

5. As regards generic tariff for Solar Roof-top PV power project, Regulation 64 of the RE Tariff Regulations, 2019 states that it shall be notified in accordance with the approach specified in Regulation 7.3 which is reproduced below:

“
7.3 *The tariff for RE Power Projects below threshold limit of eligibility for participating in Competitive Bidding shall be considered equal to the following cases, in order of priority:*

- a) Latest Tariff discovered through Competitive Bidding by concerned Distribution Licensee for similar RE project and adopted by the appropriate Commission;*
- b) The Tariff discovered through Competitive Bidding for similar RE project by Other Distribution Licensee(s) in the State and adopted by the appropriate Commission;*

- c) *The Tariff discovered through Competitive Bidding for similar RE project in the Country and adopted by the appropriate Commission.*”

Thus, process of tariff determination for Roof-top PV is not envisaged in the RE Tariff Regulations, 2019. It only envisages notification of tariff as per the Regulations 7.1 of the RE Tariff Regulations, 2019.

6. As regards determination of variable charges for Biomass and Non-fossil fuel-based Co-generation Projects, the Regulations envisage such determination only for existing projects whose Energy Procurement Agreements (EPAs) are signed based on Generic Tariff determined by this Commission in the past. For the existing Projects which are covered under competitive bidding and all future projects, which shall be through competitive bidding only or EPAs whose tariff are pegged to competitively discovered tariff, such Commission determined variable charges would not be applicable.
7. The Commission vide its Order dated 6 March 2024 (Case No. 3/SM/2024) has notified the Generic tariff for Rooftop PV and determined variable charges for Biomass and Non-fossil fuel-based Co-generation projects for FY 2024-25.
8. Through this Suo-motu Order, the Commission is notifying Generic Tariff rates for Rooftop PV projects for FY 2025-26 and undertaking process of determining variable charges for Biomass and Non-fossil fuel-based Co- generation Projects for FY 2025-26.

Notification of Generic Tariff for Rooftop PV:

9. The Regulation 64 of RE Tariff Regulations, 2019 specify the provision for Technology-specific parameters for Utility-Scale Solar PV Power Projects and Solar Roof-top Project as under

“64. Technological Aspects:

The norms specified under these Regulations shall be applicable for determination of project-specific tariff for Utility-Scale Solar PV Power Projects, using sunlight for direct conversion into electricity through Photo Voltaic technology as approved by MNRE:

Provided that for Solar Rooftop PV Power projects, the Generic Tariff shall be notified in accordance with the approach specified in Regulation 7.3.

10. The Regulation 7.3 is reproduced under para 4 above which specified three options for considering the latest tariff in order of priority. The Commission notes that none of the Distribution Licensee in the State has discovered tariff for procurement of energy from Rooftop PV projects through competitive bidding. Further, rates discovered in other States

may have subsidy component or any other tariff benefits.

11. The Commission notes that presently Distribution Licensees are procuring surplus power under Net-Metering and Net-Billing arrangement, or all power generated by Rooftop PV under Gross Metering arrangement as prescribed under MERC (Grid Interactive Rooftop Renewable Energy Generating Systems) (First Amendment) Regulations, 2023. In the said Regulations, it is stipulated that Distribution Licensee shall procure surplus power at Generic Tariff approved by the Commission for that year, whereas under Gross Metering arrangement, Distribution Licensee has to enter into EPA at Average Power Purchase Cost (APPC) of the concerned Distribution Licensee which would be constant for entire term of EPA. Thus, the Commission has to notify Generic Tariff for Rooftop PV which would be used for procurement of surplus energy.
12. As stated earlier, none of the Distribution Licensees in the State has discovered tariff for procurement of energy from Rooftop PV through competitive bidding. The Commission notes that under Net-metering and Net-Biling arrangement it is expected that consumer will install Rooftop PV for self-consumption only and would not have a planned surplus except for only a negligible unintended quantum, more due to climatic/weather factors. Such surplus power procured by Distribution Licensee is used for meeting its RPO. Hence, the Commission deems it fit to use the latest tariff rate discovered for Grid Scale Solar project as a Generic Tariff for procurement of surplus energy from Rooftop PV projects. The Commission notes that in its Order dated 5 March 2024 in Case No. 32 of 2024 has adopted tariffs quoted in the range of Rs. 2.90/kWh to Rs.3.10/kWh under 'Mukhyamantri Saur Krishi Vahini Yojana 2.0'. Accordingly, the Commission hereby notifies Rs. 2.90/kWh as a Generic Tariff rate for procurement of surplus power from Rooftop-PV projects under net-metering and net-billing arrangement for FY 2024-25. It is mandatory for Distribution Licensees to procure such surplus power which would in any case be counted towards meeting their Solar RPO.
13. Although, it is not required to notify APPC rate under RE Tariff Regulations and it can be computed based on Tariff Order of respective Distribution Licensee, for ease of understanding of various stakeholders, the Commission is representing the same in this Order. The Commission notes that RE Tariff Regulations, 2019 provide the definition of Average Power Purchase Cost (APPC) as under:

“2.1 (c) Average Power Purchase Cost” or “APPC” means the weighted average price at which the Distribution Licensee has purchased or is expected to purchase electricity (excluding procurement from RE sources and liquid fuel sources), including the cost of self-generation, if any, as approved by the Commission in the relevant Tariff Order or any other general or specific Order;
14. Thus, while determining APPC, procurement from renewable energy sources and liquid fuel

sources needs to be excluded. Based on Multi Year Tariff Petitions, Distribution Licensee wise APPC for FY 2025- 26 is given below:

Distribution Licensee	Case No	APPC excluding RE & Liquid Fuel Source for FY 2025-26 (Rs/kWh)
MSEDCL	217 of 2024	5.29
BEST Undertaking	207 of 2024	6.02
AEML-D	211 of 2024	5.75
TPC-D	210 of 2024	6.14
MBPPL	216 of 2024	4.68
KRCIPL	209 of 2024	4.68
GEPL	212 of 2024	4.69
MADC	229 of 2024	4.70
LBSCML	218 of 2024	6.30
SEZ Manjari	204 of 2024	5.72
SEZ Hadapsar	205 of 2024	5.70
JNPA	206 of 2024	6.30
ATIL Shendra	239 of 2024	8.04
ATIL Bidkin	241 of 2024	7.82
Eon-I	213 of 2024	4.68
Eon-II	214 of 2024	4.68
AEML-SEEPZ#	215 of 2024	5.34

While computing APPC of AEML-SEEPZ, it is evident that AEML-SEEPZ has planned to meet 100% of its power purchase requirements from RE majorly comprising of wind and solar sources. In such scenario, the Commission cannot derive APPC as per definition provided in RE Tariff Regulation, 2019. Hence, the Commission decided to invoke power under Regulation 77 for Removal of Difficulties in implementing the Regulations. Accordingly, the Commission considers complete power procurement basket of AEML SEEPZ for deriving APPC.

Provisional Variable charges of Biomass and Non-fossil fuel-based Co-generation Projects:

- For determination of variable charge/fuel cost, RE Tariff Regulations 2019, stipulates following:

For Biomass-based Power Project:

“

46 The biomass fuel price for the first year of the Project shall be determined based on the prevailing prices of the fuel mix for each Project and based on an independent study by the Commission, and shall thereafter be linked to the indexation mechanism specified in Regulation 47:

For Non-fossil Fuel-based Co-Generation Project:

“

56 The price of bagasse for the first year of the Project shall be determined based on the prevailing price of bagasse as assessed through an independent study by the Commission, and shall thereafter be linked to the indexation mechanism specified in Regulation 57:

16. In compliance to regulatory mandate, the Commission conducted the study through ‘The Energy and Resource Institute (TERI)’ to determine the Biomass and Bagasse fuel availability and their Prices in the State of Maharashtra. The Commission deliberated on the study finding in its Suo Motu Order in Case No.1/SM/2022 dated 29 July 2022 and determined the variable charges for Biomass and Non-fossil fuel-based Co-generation Projects.
17. MERC RE Tariff Regulations 2019 stipulated following formula for determination of variable charge for biomass-based power project:

“47.1 In the case of both existing and new Biomass-based Power Projects, the following indexing mechanism for adjustment of fuel prices for each year of operation will be applicable for determination of the variable charge component of tariff:

The Variable Charge for the nth year shall be computed as under:

$$VC_n = VC_1 \times (P_n / P_1)$$

where,

VC₁ represents the Variable Charge based on Biomass Price P₁ for first year as specified under Regulation 46, and which shall be determined as under:

$$VC_1 = \frac{\text{Station Heat Rate (SHR)}}{\text{Gross Calorific Value (GCV)}} \times \frac{1}{(1 - \text{Auxiliary Consumption Factor})} \times P_1 / 1000$$

P_n = Price per tonne of biomass for the nth year to be considered for tariff determination;

P_{n-1} = Price per tonne of biomass for the (n-1)th year to be considered for tariff determination;

P₁ shall be the Biomass price for FY 2020-21 as specified under Regulation 46;

*47.2 The Biomass fuel price shall be revised by the Commission taking into consideration the Biomass fuel price determined by the Central Commission, or a normative escalation factor based on an independent study by the Commission, or **5% per annum**, as the Commission may consider appropriate.”*

18. Similar formula has been stipulated in Regulation 57 of RE Tariff Regulations 2019 for computing variable charge for non-fossil fuel-based co-generation project.
19. The Commission in its Order dated 06 March 2024 in Case No.3/SM/2024 considered 5% escalation factor for deriving fuel price for FY 2024-25 over base year of FY 2023-24. The Commission in this Order continued same approach of 5% escalation per annum.
20. The Commission notes that it has adopted following fuel prices for base year of FY 2020-21 (as approved in RE Tariff Order dated 29 July 2022 and subsequent review Order dated 13 February 2023):

Sr. No.	RE Technology	Fuel Price (Rs/MT)
1	Biomass based RE Project	Rs.3965/MT
2	Non-fossil fuel-based Co-generation Projects	Rs. 2258/MT

21. Following parameters have been used in above stipulated formula (Para 16) for computation of variable charge:

Parameter	Source	Biomass Project	Non-fossil fuel based co-generation project
Station Heat Rate (SHR)	Regulation	4200 kcal/kWh	3600 kcal/kWh
Gross Calorific Value (GCV)	Regulation	3611 kcal/kg	2250 kcal/kg
Auxiliary Consumption Factor	Regulation	10%	8.50%
Fuel Price	As above	Rs. 5,060.45 /MT	Rs. 2,881.91 / MT
Escalation on fuel Cost	Regulation	5%	5%

22. By using above parameters in the formula stipulated in the Regulations, Variable Charges are determined as below:

Year	Biomass Project	Non-fossil fuel-based co-generation project
FY 2025-26	Rs. 6.87/kWh	Rs. 5.29/kWh

23. Further, variable charges determined for FY 2025-26 in above table shall be applicable with effect from 1 April 2025.

This Draft Order (Suo-motu) is issued to invite objections, comments and suggestions from all stakeholders including RE Developers, Distribution Licensees, Maharashtra Energy

Development Agency (MEDA), consumers, etc. All stakeholders may submit their objections, comments and suggestions on the same. The Commission shall finalize the Order after taking a view on the submissions received from the stakeholders on the draft Order.