

JOINT ELECTRICITY REGULATORY COMMISSION

(For the State of Goa and Union Territories)

DRAFT NOTIFICATION

Gurugram, 1st August, 2023

Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Procurement of Renewable Energy) (Fifth Amendment) Regulations, 2023

No. JERC....- WHEREAS the Ministry of Power (MoP), Government of India vide its order dated 22nd July, 2022 (F.No. 09/13/2021-RCM) notified the Renewable Purchase Obligation and Energy Storage Obligation Trajectory till FY 2029-30 followed by a corrigendum dated 19.09.2022.

AND WHEREAS this necessitates the Commission to incorporate the RPO trajectory issued by the MoP in the relevant JERC Regulations i.e., Procurement of Renewable Energy Regulations, 2010 (hereinafter referred to as the “Principal Regulations” (notified on 30th November 2010) along with the first to fourth amendments to incorporate the Renewable Purchase Obligation and Energy Storage Obligation Trajectory till FY 2029-30 as specified by the MoP dated 22.07.2022 for the development of power generation from renewable energy sources and for procurement of energy from renewable sources by distribution licensee.

NOW THEREFORE, in exercise of the powers conferred under Sections 61, 66, 86 (1) (e) and 181 of the Electricity Act, 2003 and all powers enabling it in this behalf, the Joint Electricity Regulatory Commission (for the State of Goa & Union Territories) intends to amend its existing Regulations to that effect.

DRAFT REGULATIONS

1. Short title, commencement and extent of application

- (i) These regulations may be called the Joint Electricity Regulatory Commission for the State of Goa & Union Territories (Procurement of Renewable Energy) (Fifth Amendment), Regulations 2023.
- (ii) These Regulations shall come into force from the date of their publication on the Official Gazette.
- (iii) These Regulations shall extend and apply to the obligated entities in the entire of the State of Goa and the Union Territories of Andaman & Nicobar Islands, Chandigarh, Dadra & Nagar Haveli and Daman & Diu, Lakshadweep and Puducherry.

2. Amendment in Regulation 2 of the principal regulation:

- (i) The definition of HPO as per Regulation 2(j) of the principal regulation shall be substituted as follows:

“(j) Hydro Purchase Obligation (HPO) means obligations to procure power from Hydro Power Projects (including Pumped Storage Projects (PSPs) and Small Hydro Projects (SHPs) commissioned on and after 08.03.2019 and up to 31.03.2030”.

(ii) The following shall be added after 2(w) of the Principal Regulation:

“(x) Wind RPO means obligation to procure power from the Wind Power Projects (WPPs) commissioned after 31st March 2022 and the wind energy consumed over and above 7% from WPPs commissioned till 31st March 2022”.

“(y) Other RPO means obligation to procure power from any RE power project not mentioned in (j) and (x)”.

3. Amendment in Regulation 3 of the principal regulation:

(i) The word “LHPs” in Regulation 3.2, 3.4, 3.6, and 3.7 of the principal regulation shall be substituted with the following words:

“Hydro Power Projects (including Pumped Storage Projects (PSPs) and Small Hydro Projects (SHPs))”.

(ii) The Regulation 3.3 of the Principal Regulation shall be omitted.

(iii) Regulation 3.4 of the Principal Regulation shall be replaced as:

“(3.4) Other RPO may be met from any renewable source other than Wind and Hydro including PSPs & SHPs.

Provided that Energy from all other HPPs including free power from HPPs commissioned before 8th March 2019 will be considered as part of ‘RPO’ under category of ‘Other RPO’.

Provided that the Obligated Entity can also met their Other Renewable Purchase Obligation by purchasing green hydrogen or green ammonia and the quantum of such green hydrogen or green ammonia would be computed by considering the equivalence to green hydrogen or green ammonia produced from the one MWh of electricity from the renewable sources or its multiplies and norms in this regard as may be notified by the Central Commission.

Any shortfall remaining in achievement or 'Other RPO' category in a particular year can be met with either the excess energy consumed from WPPs, commissioned after 31st March 2022 beyond 'Wind RPO' for that year or with, excess energy consumed from eligible Hydro Power Projects (including Pumped Storage Projects (PSPs) and Small Hydro Projects (SHPs)), commissioned after 8th March 2019 beyond 'HPO' for that year or partly from both. Further, any shortfall in achievement of 'Wind RPO' in a particular year can be met with excess energy consumed from Hydro Power Plants, which is in excess of 'HPO' for that year and vice versa.

Provided further that in case of over-achievement of HPO or Wind RPO or Other RPO during a financial year, the same after adjustment of shortfall in other category of RPO compliance may be allowed as carried forward to the next financial year of the respective RPO targets”.

(iv) In Regulation 3.8 of the Principal Regulation, the word ‘*non-solar hydro renewable purchase obligations*’ shall be replaced by “hydro purchase obligations”.

(v) In Regulation 3.10 of the Principal Regulation, the word ‘*HPO*’ shall be replaced by “RPO”.

(vi) The Table 1(a) of the principal regulation shall be substituted with the Table provided below:

Table 1(a)

Minimum Quantum of Renewable Purchase Obligation (RPO) of Renewable Energy (in kWh)				
Financial Year	Wind RPO	HPO	Other RPO	Total RPO (%)
2024-25	2.46%	1.08%	26.37%	29.91%
2025-26	3.36%	1.48%	28.17%	33.01%
2026-27	4.29%	1.08%	29.86%	35.95%
2027-28	5.23%	2.15%	31.43%	38.81%
2028-29	6.16%	2.51%	32.69%	41.36%
2029-30	6.94%	2.82%	33.57%	43.33%

(vii) The following proviso shall be added just after the Table 1(a) of the principal regulation:

“The above HPO trajectory in Table 1(a) shall be trued up on an annual basis depending on the revised commissioning schedule of Hydro projects. The HPO trajectory for the period between FY 2030-31 and FY 2039-40 shall be notified subsequently.

The Hydro power imported from outside India shall not be considered for meeting HPO”.

(viii) The following shall be added after Regulation 3.10 of the principal regulation:

“(3.11) The following percentage of total energy consumed shall be solar/wind energy along with/ through storage -

Financial Year	Energy Storage Obligation
2024-25	1.5%
2025-26	2.0%
2026-27	2.5%
2027-28	3.0%
2028-29	3.5%
2029-30	4.0%

”

“(3.12) The Energy Storage Obligation as mentioned in Regulation 3.11 shall be calculated in energy terms as a percentage of total consumption of electricity and shall be treated as fulfilled only when at least 85% of the total energy stored in the Energy Storage System (ESS), on an annual basis, is procured from renewable energy sources”.

“(3.13) The Energy Storage Obligation to the extent of energy stored from RE sources shall be considered as a part of fulfilment of the total RPO as mentioned in Table1(a) above”.

4. Amendment in Regulation 4 of the principal regulation:

- (i) The proviso mentioned in Regulation 4.1 of the Principal Regulation shall be replaced as:

“Provided that obligated entity fulfilling the renewable purchase obligation by purchase of certificates, the obligation to purchase electricity from generation based on sources other than Hydro shall be fulfilled by purchase of either solar certificates or non –solar certificates”.