

Year	Wind RPO	Hydro Purchase Obligation (HPO)	Distributed RPO	Other RPO	Total RPO
2024-25	0.67%	1.22%	0.75%	28.10%	29.91%
2025-26	1.45%	1.22%	1.02%	29.29%	33.01%
2026-27	2.45%	1.42%	1.65%	33.29%	38.81%
2027-28	2.95%	1.95%	1.95%	36.05%	43.30%
2028-29	3.48%	1.33%	2.25%	36.27%	43.33%

June 20, 2024

**No. F-9(34)(i)/RG/NERC/2024/410:** In exercise of powers conferred under section 181 read with Section 86(1)(e) of the Electricity Act, 2003, and all other powers enabling it in this behalf, and after previous publication, the Uttarakhand Electricity Regulatory Commission hereby makes the following amendments in the UERC (Tariff and Other Terms for Supply of Electricity from Renewable Energy Sources and non-fossil fuel based Co-generating Stations) Regulations, 2023 (Principal Regulations) and subsequent amendment made in the same, if any, namely:

**1. Short Title, Commencement and Interpretation:**

- (1) These Regulations may be called the UERC (Tariff and Other Terms for Supply of Electricity from Renewable Energy Sources and non-fossil fuel based Co-generating Stations) (First Amendment) Regulations, 2024.
- (2) These Regulations shall come into force from the date of notification and unless reviewed earlier or extended by the Commission, shall remain in force for a period of 5 years from the date of commencement of Principal Regulations.

**2. Amendment in Regulation 10 of the Principal Regulations:**

The amended Regulation shall come into force with effect from 01.04.2024 and shall be read as under:

***"10. Minimum Quantum of electricity to be purchased by distribution licensees from 'non-fossil fuel based co-generation and generation of electricity from renewable energy sources'***

- (1) In line with the provisions of the Act, National Electricity Policy, the Tariff Policy to promote development of renewable and non-conventional sources of energy, all existing and future distribution licensees, captive users and open access customers, hereinafter referred to as "Obligated Entity", in the State shall be obliged to procure minimum percentage of their total electricity requirement for own consumption, as indicated below, from eligible renewable energy sources as defined under Regulation 4. The same shall be called the Renewable Purchase Obligation (RPO) of the Obligated Entities.



Year	Wind RPO	Hydro Purchase Obligation (HPO)	Distributed RPO	Other RPO	Total RPO
2024-25	0.67%	0.38%	0.75%	28.10%	29.91%
2025-26	1.45%	1.22%	1.05%	29.29%	33.01%
2026-27	1.97%	1.34%	1.35%	31.29%	35.95%
2027-28	2.45%	1.42%	1.65%	33.29%	38.81%
2028-29	2.95%	1.42%	1.95%	35.05%	41.36%
2029-30	3.48%	1.33%	2.25%	36.27%	43.33%

(a) Wind RPO shall be met only by energy produced from Wind Power Projects (WPPs), commissioned after 31<sup>st</sup> March 2022.

(b) HPO shall be met only by energy purchased from HPPs (including PSPs and Small Hydro Projects (SHPs)), commissioned after 8<sup>th</sup> March 2019.

Provided that HPO obligation of the Distribution licensee may also be met out of the free power being provided to the State from HPPs (including PSPs and SHPs), commissioned after 08<sup>th</sup> March 2019.

Provided further that the hydro renewable energy component may also be met from Hydro Power Projects located outside India as approved by the Central Government on a case to case basis.

(c) Distributed renewable energy component shall be met only from the energy generated from renewable energy projects that are less than 10 MW in size and shall include solar installations under all configuration (net metering, gross metering, virtual net metering, group net metering, behind the meter installation and any other configuration) notified by the Central Government.

Provided that the compliance against distributed renewable energy shall ordinarily be considered in terms of energy (kWh/kW/day).

Provided further that in case the obligated entity is unable to provide generation data against distributed renewable energy installations, the reported capacity shall be transformed into distributed renewable energy generation in terms of energy by a multiplier of 3.5 units per kW/day.

(d) Other RPO shall be met by energy produced from any RE power project not mentioned in (a), (b) and (c) above and shall comprise energy from all Wind Power Projects, HPPs (including PSPs and SHPs) including free power.

Percentage RPO as stipulated above denotes Minimum Quantum of purchase from non-fossil fuel based co-generation and generation of electricity from renewable energy sources' as a percentage of total energy purchased from all sources/generated by the Obligated Entity during the year for own consumption.

Where, total energy purchased for different obligated entities shall be as under:

a. For Discoms, total energy purchased from all sources during the year for own consumption; and

b. For Open Access consumers, total energy purchase through Open Access shall be metered consumption recorded at drawl/consumption point during the year for own consumption.



- c. For Captive users, total energy purchased shall be metered consumption recorded at draw/consumption point during the year for own consumption.

Provided that any shortfall in achievement of 'Wind RPO' in a particular year can be met with excess energy consumed from Hydro Power Projects or and vice-versa and the balance excess energy consumption under Wind RPO or HPO in a particular year, can be set off against the shortfall in achievement of 'Other RPO'.

Provided that any excess energy consumption under 'Other RPO' category in a particular year can be utilised to meet the shortfall in achievement of specified Wind RPO or Hydro RPO.

Provided that obligated entities which are open access consumers or consumers with Captive Power Plants shall fulfil their obligation as per the specified total renewable energy target irrespective of the non-fossil fuel source.

- (2) For the purpose of this RPO framework, for every obligated entity, own consumption would mean gross energy consumed or purchased by the obligated entity from all sources for its own use or for the purpose of supply to its consumers within its area of supply, excluding any inter-se sale of electricity amongst the Licensees or outside consumers.
- (3) Distribution licensee shall be eligible to utilise the gross Solar energy generated from the GRPV/GSPV/Group Net Metering/Virtual Net Metering of non-obligated entities for meeting its 'Solar RPO' compliance based on the gross energy generated meter reading of such GRPV/GSPV.
- (4) The following percentage of total energy consumed shall be solar/wind energy alongwith/through storage.

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

- (5) The Energy Storage Obligation shall be calculated in energy terms as a percentage of total consumption of electricity and shall be treated as fulfilled only when and at least 85% of the total energy storage in the Energy Storage System (ESS), on an annual basis, is procured from renewable energy sources.
- (6) 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 under sub-regulation (1) of this regulation.
- (7) UREDA will maintain the data related to compliance of RPO Obligation."

### 3. Amendment in Regulation 37 of the Principal Regulations:

The amended Regulation shall be read as under:

"37. Grid Interactive Roof-top Solar PV Plants (GRPV)/Grid Interactive Small Solar PV Plants (GSPV)



(4)

- (1) The technology specific parameters for determination of generic tariff for GRPV/GSPV commissioned or to be commissioned on or after 01.04.2023 shall be as below:

Project Size	Capital Cost	O&M Expenses for year of commissioning	Capacity Utilization Factor
	(Rs./kW)	(Rs./kW)	
Upto 10 kW	47691	2149	19 %
>10 kW & upto 100 kW	43753	1912	
>100 kW & upto 500 kW	41276	1735	
>500 kW and upto 1 MW	40074	1624	

- (2) GRPV/GSPV can be installed for injecting power into the distribution system of a licensee by any Eligible consumer:
- Provided that the maximum GRPV/GSPV installed capacity at any Eligible Consumer's premises shall be upto a maximum of 100% of consumer's sanctioned load/contract demand;
- Provided that in case of Domestic Consumer, such installed capacity of GRPV/GSPV shall be irrespective of consumer's sanctioned load/contract demand;
- Provided, the maximum installed capacity of GRPV/GSPV at the premises of eligible consumer shall not be more than 1 MW.
- (3) Injection from GRPV/GSPV owned by the Eligible consumer or by third party shall be settled on Net Energy basis at the end of each Billing period.
- (4) The tariff, as per tariff orders of the Commission, in respect of the supply of electricity to the consumers by the distribution licensee shall be applicable for the Net Energy supplied by the licensee in a billing period if the supplied energy by the licensee is more than the energy injected by the GSPV/GSPV of the consumer or by third party:
- Provided that such eligible consumer shall be exempted from payment of monthly minimum charges/monthly minimum consumption guarantee charges, if any, equivalent to the capacity of GRPV/GSPV installed at the premises;
- Provided further that no open access charges including surcharges shall be leviable on such eligible consumers for the captive use of power.
- (5) If in a billing period the supplied energy by the licensee is less than the energy injected by the GRPV/GSPV of the consumer/prosumer or the third party, subject to provisions in sub-Regulation (3) above, the licensee would pay to such prosumer at the generic tariff as may be specified by the Commission or at the rate discovered through tariff based bidding process whichever is lower for such Net Energy supplied to it.
- (6) Provisions of Deemed Generation shall not be applicable on GRPV/GSPV.
- (7) The cumulative capacity of GRPV/GSPV which can be connected to a single transformer shall not exceed the capacity of such transformer.



- (8) In case any augmentation is required for the purpose of connecting GRPV/GSPV, Distribution Licensee shall facilitate and bear the capital expenditure on account of such system strengthening/augmentation upto the interconnection point from nearest sub-station.
- (9) Virtual Net Metering Framework shall be applicable for consumers under domestic category, offices of Government /Local Authorities.
- (10) Timeline for key activities shall be governed by the time specified under the Electricity (Rights of Consumers) Rules, 2020 as amended from time to time.
- (11) The applications for GRPV/GSPV upto 10 kW capacity, complete in all respects may be deemed to have been accepted without requiring technical feasibility study and any commensurate enhancement of the sanctioned load of the consumer, as may be required shall be carried out by the distribution licensee in accordance with the provisions of UERC (The Electricity Supply Code, Release of New Connections and Related Matters) Regulations, 2020 as amended from time to time.
- Provided that the Prosumer shall be liable to pay charges towards load enhancement and security deposit for the enhanced load in accordance with the provisions of UERC (The Electricity Supply Code, Release of New Connections and Related Matters) Regulations, 2020 as amended from time to time.
- (12) During the time period from the feasibility study or deemed acceptance of the application till the completion of installation, in case, there is any requirement of upgradation of distribution infrastructure like augmentation of service line, distribution transformer capacity, and the like for installation of the required capacity of roof top solar photo voltaic system, the same shall be carried out by the distribution licensee or consumer, as the case may be.
- Provided that the cost of strengthening the distribution infrastructure, including distribution transformer, as necessary, to facilitate the installation of roof top solar photovoltaic systems shall be included in the annual revenue requirement of the distribution licensee.
- (13) After installation of roof top solar photovoltaic system, the consumer shall submit the installation certificate to such distribution licensee and such distribution licensee shall complete signing of connection agreement, installation of meter and successful commissioning of the roof top solar photovoltaic system within fifteen days from the date of submission of the installation certificate."

By the Order of the Commission,

NEERAJ SATI,  
Secretary.

टिप्पणी-राजपत्र, दिनांक 29-06-2024, भाग 1-क में प्रकाशित।

[प्रतिलिपि सूचनार्थ प्रेषित—]

पी0एस0यू0 (आर0ई0) 10 ऊर्जा / 351-08-08-2024-250 प्रतियां (कम्प्यूटर/रीजियो)।