

CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION

(Draft - Renewable Purchase Obligation and REC Framework Implementation) Regulations, 2021

Sl. No.	Description	Summary																					
1.	Control Period	5–Year (April 01, 2021 to March 31 st 2026)																					
2.	Obligated Entities	<ol style="list-style-type: none"> Co-located and non co-located captive user(s) with connected load of 1 MW and above (or such other capacity as may be stipulated by order(s) of the Commission from time to time); shall be subjected to minimum percentage of Renewable Purchase Obligation (RPO) to the extent of its captive consumption met through captive generating plant. Open access consumer of 1 MW and above (procuring non RE power) not having a supply agreement with distribution licensee in whose area of supply the consumer is located but availing supply of energy under the open access regulations from a person other than the distribution licensee of the area under Section 42(2) of the Act shall be subjected to minimum percentage of RPO to the extent of its energy consumption of non RE power. Obligated entities consuming power in any year to the extent of total RPO specified under Regulation 4 from fossil fuel based co-generation power plant shall be exempted from the RPO. 																					
3.	Quantum of Cogeneration and Renewable Purchase Obligation (RPO) for Obligated Entity	Computation of total consumption for RPO for obligated entities shall be as under																					
		<table border="1"> <thead> <tr> <th>Obligated Entity</th> <th>Total Consumption</th> </tr> </thead> <tbody> <tr> <td>Distribution licensee(s)</td> <td>Distribution licensee(s) LV, HV plus EHV sales</td> </tr> <tr> <td>Co-located captive users</td> <td>Gross generation minus auxiliary consumption minus total energy injected into the grid</td> </tr> <tr> <td>Non co-located captive users</td> <td>Actual energy consumed by captive generating plant for captive use</td> </tr> <tr> <td>Co-located end users who do not qualify as captive user under Electricity Rules 2005</td> <td>Gross generation minus auxiliary consumption minus total energy injected into the grid</td> </tr> <tr> <td>Open Access consumer</td> <td>Energy consumed by the Open Access consumer</td> </tr> </tbody> </table>	Obligated Entity	Total Consumption	Distribution licensee(s)	Distribution licensee(s) LV, HV plus EHV sales	Co-located captive users	Gross generation minus auxiliary consumption minus total energy injected into the grid	Non co-located captive users	Actual energy consumed by captive generating plant for captive use	Co-located end users who do not qualify as captive user under Electricity Rules 2005	Gross generation minus auxiliary consumption minus total energy injected into the grid	Open Access consumer	Energy consumed by the Open Access consumer									
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For meeting the RPO, renewable power purchases made by the obligated entities under long term power purchase agreements with the biomass based generating plants shall only be considered Purchases made by obligated entities from other renewable energy sources small hydel, wind, solar under long-term, medium-term and short-term arrangements, will be considered for meeting the RPO.																							
4.	Renewable Purchase Obligation (RPO)	<table border="1"> <thead> <tr> <th>Year</th> <th>Solar</th> <th colspan="2">Non-Solar</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>2021-22</td> <td>10.5%</td> <td>0.08%</td> <td>10.50%</td> <td>21.18%</td> </tr> <tr> <td>2022-23</td> <td rowspan="4">As specified by Central Government from time to time</td> <td>0.35%</td> <td rowspan="4">As specified by Central Government from time to time</td> <td rowspan="4">As specified by Central Government from time to time</td> </tr> <tr> <td>2023-24</td> <td>0.66%</td> </tr> <tr> <td>2024-25</td> <td>1.08%</td> </tr> <tr> <td>2025-26</td> <td>1.48%</td> </tr> </tbody> </table>	Year	Solar	Non-Solar		Total	2021-22	10.5%	0.08%	10.50%	21.18%	2022-23	As specified by Central Government from time to time	0.35%	As specified by Central Government from time to time	As specified by Central Government from time to time	2023-24	0.66%	2024-25	1.08%	2025-26	1.48%
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<ul style="list-style-type: none"> Power purchases under the long term power purchase agreements (PPA) for the purchase of renewable energy sources already entered into by the distribution licensees shall be continued till their present validity, even if the total purchases under such agreements exceeds the percentage as specified herein above and any such excess purchase by distribution licensees will be adjusted to meet the obligation of next year. 																							

		<ul style="list-style-type: none"> • Captive users, consuming electricity from • Captive generating plants (CGP), commissioned before 1st April 2016, shall have RPO target applicable for FY 2015-16, which is 1% solar and 6.25% non-solar. • For CGPs commissioned after 1st April 2016 onwards, the RPO levels as specified in applicable Regulations for respective years or MoP trajectory, whichever is higher, for the year of commissioning of the CGPs shall be applicable. • Every "Obligated Entity" may meet its RPO target by way of its own generation or procurement of power from RE developer or by way of power purchase from other licensee or by way of purchase of Renewable Energy Certificate (REC) or by way of combination of any of the above options.
5.	Certificates under the Regulations of the Central Commission	Subject to the terms and conditions contained in these Regulations, the Certificates issued under the Central Electricity Regulatory Commission's (Terms and Conditions for Recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010 and its subsequent amendments shall be the valid instruments for the discharge of the mandatory obligations set out in these Regulations for the obligated entity to purchase electricity from renewable energy sources.
6.	State Agency	<ol style="list-style-type: none"> 1. Chhattisgarh State Renewable Energy Development Agency (CREDA) is designated as State Agency for accreditation and recommending the renewable energy projects for registration. CREDA shall undertake functions under these Regulations. 2. The Commission may from time to time fix the remuneration and charges payable to the State Agency by an order towards discharge of its functions under these Regulations if required. 3. The Commission may by an Order assign any other responsibility to the State agency as it deems fit for the discharge of its function under these regulations.
7.	Distribution Licensee(s)	<ol style="list-style-type: none"> 1. Each distribution licensee shall indicate, along with sufficient proof thereof, the estimated quantum of purchase from renewable energy sources for the ensuing year in tariff/ annual performance review petition in accordance with Regulations notified by the Commission. 2. Any excess purchase of renewable energy or the REC procured by distribution licensee(s) for meeting the RPO in any year shall be considered for meeting the RPO for the next year.
8.	Captive User(s) and Open Access Consumer(s)	<ol style="list-style-type: none"> 1. The quantum of RPO mentioned in these Regulations shall be applicable to captive user(s) and open access consumer(s) from the April 01, 2021. Captive user(s) and open access consumer(s) may fulfill its RPO through the Renewable Energy Certificates as provided in these Regulations. 2. Captive user(s) and open access consumers consuming power in any year to the extent of RPO specified under these Regulations, from fossil fuel based co-generation power plant shall be exempted from the RPO. 3. Any excess purchase of renewable energy or the REC procured by captive user(s) and open access consumer(s) for meeting the RPO in any financial year shall be considered for meeting the RPO for the next financial year. 4. In case obligated entities are different units of single legal entity and located at different places within the State, combined RPO purchased by such legal entity shall be reckoned for the purpose of meeting RPO.
9.	Consequences of Default	<ol style="list-style-type: none"> 1. If an obligated entity does not fulfill the renewable purchase obligation as provided in these Regulations during any financial year, the Commission may direct the Obligated Entity to maintain a separate fund for such amount as the Commission may determine on the basis of the shortfall in units of RPO and the forbearance price decided by the Central Commission (the fund so created shall be utilised, as may be directed by the Commission.). 2. The obligated entities shall not be authorized to use the fund created in pursuance of the above, without prior approval of the Commission. 3. In case of any genuine difficulty in complying with the renewable purchase obligation because of non-availability of power from renewable energy sources or the RECs, the obligated entity can approach the Commission to carry forward the compliance requirement to the next year only.
10.	Priority for Grid Connectivity	<ul style="list-style-type: none"> • Any person generating electricity from renewable energy sources, irrespective of installed capacity, shall have priority for open access, connectivity with distribution system or transmission system as the case may be. • On an application from such person, the transmission licensee or distribution licensee, as the case may be, shall provide appropriate interconnection facilities, as far as feasible, before commissioning of the renewable energy project. Such interconnection shall follow the grid connectivity standards as specified in the Indian Standard Grid

		Code, State Grid Code and/or the manner prescribed by the Central Electricity Authority.
11.	Renewable Energy Pricing	<ul style="list-style-type: none"> • All the new renewable energy projects commissioned during the Control Period as specified above, shall have an option of following either the tariff structure and other conditions as stipulated in the Chhattisgarh State Electricity Regulatory Commission (Terms and conditions for determination of generation tariff and related matters for electricity generated by plants based renewable energy sources) Regulations, 2012 and its review/amendments from time to time and/or adopt the REC mechanism for pricing of the electricity generated from the project. • Tariff rate, tariff structure and other conditions for existing renewable energy project(s) have already been covered under respective renewable energy Tariff Orders issued by the Commission and the same shall continue to be operative as amended from time to time during the Operating Period, FY 2021-22 to FY 2025-26. • The consumers procuring power from RE sources through open access route shall be required to pay cross-subsidy surcharge as per condition of the open access regulations as specified by the Commission. However, no banking facility shall be provided for supply (third party sale) from renewable energy sources through open access.