

CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION
Renewable Purchase Obligation and REC framework Implementation Regulations, 2013
dated 18.9.2013

S. No	Description	Summary																											
1.	Title	CSERC Renewable Power Purchase Obligation and REC Framework Implementation Regulation-2013 dated 18.9.2013																											
2	Date of Enforcement	Regulations to come into force from April 1, 2013																											
3	Applicability and RPO for Obligated Entities	Throughout the state of Chhattisgarh Applicable to <ul style="list-style-type: none"> • Distribution licensee, open access consumers and captive users within the State of Chhattisgarh - For details refer Regulations 																											
4	Quantum of Cogeneration & RPO for Obligated Entities	<p>Computation of total consumption for RPO for obligated entities shall be as under:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr.</th> <th style="text-align: center;">Obligated Entity</th> <th style="text-align: center;">Total Consumption</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Distribution licensee(s)</td> <td>Energy input at 33 kV level or below plus EHV sales</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Co-located captive users</td> <td>Gross generation minus auxiliary consumption minus total energy injected into the grid</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Non co-located captive users</td> <td>Energy injected into the Grid by captive generating plant for captive use</td> </tr> <tr> <td style="text-align: center;">4.</td> <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 style="text-align: center;">5.</td> <td>Open Access consumer</td> <td>Energy injected into the grid by the seller for Open Access consumer</td> </tr> </tbody> </table> <p style="margin-left: 20px;"> > For meeting the RPO, renewable power purchases under long term PPA with the biomass based generating plants shall only be considered > Purchases made by obligated entities from other RE sources under long, medium and short-term arrangements, will be considered for meeting the RPO </p>	Sr.	Obligated Entity	Total Consumption	1.	Distribution licensee(s)	Energy input at 33 kV level or below plus EHV sales	2.	Co-located captive users	Gross generation minus auxiliary consumption minus total energy injected into the grid	3.	Non co-located captive users	Energy injected into the Grid by captive generating plant for captive use	4.	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	5.	Open Access consumer	Energy injected into the grid by the seller for Open Access consumer									
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4.1	Renewable Power Purchase Obligation (RPPO)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Year</th> <th rowspan="2" style="text-align: center;">Solar</th> <th colspan="3" style="text-align: center;">Non Solar</th> <th rowspan="2" style="text-align: center;">Grand Total</th> </tr> <tr> <th style="text-align: center;">Biomass</th> <th style="text-align: center;">Other RE (hydel, wind)</th> <th style="text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2013-14</td> <td style="text-align: center;">0.50%</td> <td style="text-align: center;">3.75%</td> <td style="text-align: center;">2.00%</td> <td style="text-align: center;">5.75</td> <td style="text-align: center;">6.25%</td> </tr> <tr> <td style="text-align: center;">2014-15</td> <td style="text-align: center;">0.75%</td> <td style="text-align: center;">3.75%</td> <td style="text-align: center;">2.25%</td> <td style="text-align: center;">6.0</td> <td style="text-align: center;">6.75%</td> </tr> <tr> <td style="text-align: center;">2015-16</td> <td style="text-align: center;">1.00%</td> <td style="text-align: center;">3.75%</td> <td style="text-align: center;">2.50%</td> <td style="text-align: center;">6.25</td> <td style="text-align: center;">7.25%</td> </tr> </tbody> </table> <p>Provided that:</p> <ul style="list-style-type: none"> • Power purchases under PPA already entered into by the distribution licensees and consented to by the Commission shall continue to be made till their present validity, even if the total purchases under such agreements exceed the percentage as specified hereinabove • Power purchase shall be made at tariffs determined by the Commission • Infirm power procured from renewable energy sources shall not be considered for meeting the RPO. • Non availability of RE sources in the distribution licensee's area will not be exempted from the purchase obligation or for reduction in the quantum required to be purchased 	Year	Solar	Non Solar			Grand Total	Biomass	Other RE (hydel, wind)	Total	2013-14	0.50%	3.75%	2.00%	5.75	6.25%	2014-15	0.75%	3.75%	2.25%	6.0	6.75%	2015-16	1.00%	3.75%	2.50%	6.25	7.25%
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		<ul style="list-style-type: none"> • Every "Obligated Entity" to meet its RPO target by way of its own generation, procurement of power from RE developer, by purchase from other licensee or by way of purchase of Renewable Energy Certificate (REC) or by combination of any of the above options • Non-compliance of purchase obligation to be treated as a violation of these regulations and punishable under the provisions of Section 142 of the Act.
5.	Procurement of RE Certificates under CERC Regulations 2010 (Fulfillment of RPO)	<ul style="list-style-type: none"> • Certificates purchased under of CERC Regulations, 2010 shall be the valid instruments for the discharge of the mandatory obligations • In case the obligated entity fulfilling the RPO by purchase of certificates, the obligation to purchase electricity from RE sources other than solar can be fulfilled by purchase of non-solar certificates only (during the control period) • Obligation to purchase electricity from solar generation can be fulfilled by Purchase of solar certificates only(during the control period.) • Photocopy of RE certificates purchased by the obligated entity(s) from the power exchange (duly attested by any chartered account) to be deposited with the Commission within 15 days of the purchase of the certificate.
6	State Agency	<ul style="list-style-type: none"> • Chhattisgarh State Renewable Energy Development Agency(CREDA) is designated as State Agency for accreditation and recommending the renewable energy projects for registration • State agency to function in accordance with directions issued by the Commission and shall act in consistent with the procedures/ rule laid by central agency for discharge of its function under CERC Regulations, 2010 • State agency to submit quarterly status to the commission by 15th of next month in respect of compliance of RPPO by the obligated entity(s) as per stipulated format. • If the commission is satisfied that the state agency is not able to discharge its functions satisfactorily, it may by general or special order and by recording reasons in writing, designate any another agency to function as state agency as it considers appropriate.
7	Distribution Licensee	<ul style="list-style-type: none"> • Each distribution licensee to indicate, along with proof the estimated quantum of purchase from RE sources • Each distribution licensee shall submit details regarding total purchases and consumption of electricity and purchase of energy from renewable sources for fulfillment of RPO on monthly basis to the State Agency. • 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. • Despite availability of RE sources, if distribution licensee fails to fulfill the minimum quantum of purchase from RE sources, it shall be liable to pay compensation as per clause 9 of these Regulations
8.	Captive and Open Access User(s) / Consumer(s)	<ul style="list-style-type: none"> • Quantum of RPO mentioned in clause 4.1 shall be applicable to captive and open access user(s) / consumer(s) also. • Every captive user shall submit details regarding total purchases and consumption of electricity and purchase of energy from renewable sources for fulfillment of RPO on monthly basis to the State Agency. • In case they are unable to fulfill the criteria the shortfall of the targeted quantum would attract payment of regulatory charge as pre clause 9 of the Regulations. • Captive / Open Access consumer(s) / User(s) to fulfill its RPO through the REC as provided in clause 5 above. • Captive user(s) and open access consumers consuming power in any year to the extent of RPO specified under Regulation 4.1 from fossil fuel based co-generation power plant shall be exempted from the RPO
9.	Consequences of Default	<ul style="list-style-type: none"> • If an obligated entities does not fulfill the RPO during any year and also does not purchase the certificates, the Commission may direct the obligated entity to deposit into a separate fund, to be created and maintained by such obligated entity, 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 • Funds to be used with the prior approval of the commission <p>For more detail refer Regulations</p>
10	Priority for Grid Connectivity	<ul style="list-style-type: none"> • Any RE generator, irrespective of installed capacity, shall have priority for open access, connectivity with distribution system or Grid • Transmission licensee/ distribution licensee to provide interconnection facilities

11	Renewable Energy Pricing	<ul style="list-style-type: none"> • All new RE projects commissioned during the control period have the option to either follow the tariff structure and other conditions as stipulated in the CSERC (Terms and Conditions for determination of generation tariff and related matters for electricity generated by plants based on renewable energy sources) Regulations, 2012 with review/amendments or REC mechanism for pricing of the electricity generated from the project. • If a RE project has entered into a PPA for sale of electricity at a preferential tariff shall not, in case of premature termination of the agreement, be eligible for participating in the REC scheme for a period of three years from the date of termination of such agreement or till the scheduled date of expiry of PPA whichever is earlier For more Details Refer Regulations
13	Cross Subsidy	Consumers procuring power from RE sources through open access route to pay cross-subsidy surcharge as per condition of the open access regulations specified by the Commission
14	Banking	No banking facility for third party sale through open access
15	Power to Remove Difficulties	Vested with the Commission