

JAMMU AND KASHMIR STATE ELECTRICITY REGULATORY COMMISSION

(Renewable Power Purchase obligation, its compliance and REC frame work implementation) Regulations, 2011. (Notification No. JKSERC/10 dated 11 March 2011) and Notification No. JKSERC/27 dated 5 March 2013

Sl. No.	Description	Summary
1	Short title and commencement	<p>(i) These Regulations may be called the J&KSERC (Renewable Power Purchase obligation, its compliance and REC frame work implementation) Regulations, 2011. (Notification No. JKSERC/10 dated 11 March 2011).</p> <p>(ii) RPO targets for the years 2013-14 to 2016-17 notification, No. JKSERC/27 dated 05-03-2013.</p> <p>(iii) Jammu & Kashmir Power Development Corporation notified as State Agency vide notification No. 40/JKSERC of 2014 dated 05-09-2014</p>
2	Definitions	As per Regulations
3	Scope of regulation and extent of application	<p>PART A: GENERAL</p> <p>3.1 These Regulations shall apply in all cases where the State Commission is to promote co-generation from renewable sources and generation of electricity from renewable sources and is to specify a percentage for procurement of energy generated from such sources on the basis of total consumption of electricity within the area of a distribution licensee.</p> <p>3.2 These Regulations shall apply to:</p> <p>(a) Distribution Licensee(s) within the State of Jammu & Kashmir.</p> <p>(b) Captive User(s) within the State of Jammu & Kashmir, subject to conditions outlined under Regulation 5</p> <p>(c) Open Access Consumer(s) within the State of Jammu & Kashmir, subject to conditions outlined under Regulation 5</p>
4	Eligible renewable energy sources	<p>PART B: RENEWABLE ENERGY PURCHASE OBLIGATION</p> <p>4.1 For the purpose of this Regulation, energy generation from all types of renewable energy sources as recognized or approved by the MNRE, shall be considered. Provided that any new technology could be qualified as 'renewable', only after the State Commission has approved the technology based on the approval of the MNRE.</p> <p>4.2 The Eligible renewable energy sources shall include without limitation the following:</p> <p>(a) Non-fossil fuel (including bagasse) based co-generation projects (both, qualifying and non-qualifying co-generation projects)</p> <p>(b) Wind Energy.</p> <p>(c) Biomass Based on Rankine cycle technology.</p> <p>(d) Small Hydro, Mini Hydro, Micro Hydro Power.</p> <p>(e) Municipal Waste based Power.</p> <p>(f) Solar Power.</p> <p>(g) Any other source as may be recognized or approved by the state Commission / MNRE.</p> <p>Provided that generation from connected renewable energy sources with installed capacity of 250 kW and above or such other minimum capacity as may be specified by Central Commission from time to time shall alone be considered as eligible renewable energy sources;</p> <p>Provided further that the generation from grid connected renewable energy sources with installed capacity below 250 kW or such other minimum capacity as specified by the Central Commission from time to time shall be considered as 'eligible RE source' provided suitable metering and communication arrangement with State Load Dispatch Centre is established by such renewable energy project;</p>

		4.3 Procurement of Renewable Energy Certificates issued for renewable energy generation outside the State of Jammu & Kashmir as well as Renewable Energy Certificates issued for renewable energy generation within the State of Jammu & Kashmir shall be considered as an eligible instrument for the purpose of RPO compliance by Obligated Entities within the State of Jammu & Kashmir over the Operating Period as outlined under Regulation 6.																																
5	Obligated Entities	5.1 The minimum percentage as specified under Regulation 7.1 shall be applicable to all Distribution Licensees in the State of Jammu & Kashmir as well as to open access consumers and captive users within the State of Jammu & Kashmir.																																
6	Operating Period	6.1 The RPO framework stipulated under these Regulations shall commence from the date of notification of these Regulations and shall be valid till March 31, 2016 (i.e., upto the financial year 2015-16).																																
7	Renewable Purchase Obligation (RPO) target	<p>7.1 Every 'Obligated Entity' shall procure electricity generated from eligible renewable energy sources at the percentages as per the following schedule: Minimum quantum of Purchase (in %) from renewable energy sources (in terms of energy equivalent to kWh)</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Solar (other RE)</th> <th>Non-Solar</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>2010-11</td> <td>0.02%</td> <td>0.98%</td> <td>1%</td> </tr> <tr> <td>2011-12</td> <td>0.10%</td> <td>2.90%</td> <td>3%</td> </tr> <tr> <td>2012-13</td> <td>0.25%</td> <td>4.75%</td> <td>5%</td> </tr> <tr> <td>2013-14</td> <td>0.25%</td> <td>4.75%</td> <td>5.00%</td> </tr> <tr> <td>2014-15</td> <td>0.75%</td> <td>5.25%</td> <td>6.00%</td> </tr> <tr> <td>2015-16</td> <td>1.50%</td> <td>6.00%</td> <td>7.50%</td> </tr> <tr> <td>2-16-17</td> <td>2.00%</td> <td>7.00%</td> <td>9.00%</td> </tr> </tbody> </table> <p>7.2 Every 'Obligated Entity' may meet its RPO target by way of own generation or procurement of power from RE developer or by way of purchase from other licensee or by way of purchase of renewable energy certificate or by way of combination of any of the above options.</p>	Year	Solar (other RE)	Non-Solar	Total	2010-11	0.02%	0.98%	1%	2011-12	0.10%	2.90%	3%	2012-13	0.25%	4.75%	5%	2013-14	0.25%	4.75%	5.00%	2014-15	0.75%	5.25%	6.00%	2015-16	1.50%	6.00%	7.50%	2-16-17	2.00%	7.00%	9.00%
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8	Certificates under the Regulations of the Central Commission	<p>8.1 Subject to the terms and conditions contained in these Regulations, the Certificates issued under the Central Electricity Regulatory Commission (Terms and Conditions for recognition and issue of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010 shall be valid instruments for the discharge of the mandatory obligation set out in these Regulations for the obligated entities to purchase electricity from renewable energy sources.</p> <p>Provided that in the event of the Obligated Entity fulfilling the renewable purchase obligation by purchase of Certificates, the obligation to purchase electricity from generation based on solar as renewable energy source can be fulfilled by purchase of solar certificates only, and the obligation to purchase electricity from generation based on renewable energy other than solar can be fulfilled by purchase of non-solar certificates.</p>																																
9	State Agency	9.1 The State Commission has designated J&K as the designated State Agency for accreditation and recommending the renewable energy projects for registration and to undertake functions under these Regulations.																																
10	Distribution Licensee(s)	As per Regulations																																
11	Captive User(s) and Open Access Consumer(s)	<p>11.1 Subject to fulfilment of conditions outlined under Regulations 5.1 of these Regulations every Captive User and Open Access consumer shall submit necessary details regarding total consumption of electricity and power purchase from renewable energy sources towards fulfilment of its RPO on a monthly basis to the State Agency.</p> <p>11.2 If the Captive User(s) and Open Access consumer(s) are unable to fulfil their obligation, they shall be liable to pay RPO Regulatory Charges as specified in Regulation 12.1.</p>																																

		<p>Provided further that captive user(s) consuming power from grid connected fossil fuel based co-generated plants, are exempted from applicability of RPO target and other related conditions as specified in these Regulations.</p> <p>11.3 Captive/Open Access consumer(s) / User(s) may fulfill their RPO through procurement of the Renewable Energy Certificate as provided in Regulation 8.</p>
12	RPO Regulatory Charges	<p>12.1 If the Obligated Entity fails to comply with the RPO target as provided in these Regulations during any year and fails to purchase the required quantum of RECs, the State 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, RPO Regulatory Charges and the Forbearance Price decided by the Central Commission; separately in respect of solar and non-solar RPO:</p> <p>Provided that RPO Regulatory Charges shall be equivalent to the highest applicable preferential tariff during the year for solar or non-solar RE generating sources, as the case may be, or any other rate as may be stipulated by the State Commission;</p>
13	Monitoring and Implementation Framework	As per Regulations
14	Pricing principles for new renewable energy projects to be commissioned during new Operating Period	<p>PART C: RENEWABLE ENERGY PRICING</p> <p>14.1 All the new renewable energy projects commissioned during the Control Period, i.e., after March 31, 2010, shall have an option of following either the tariff structure and other conditions as stipulated in the JKSERC (Terms and Conditions of determination of RE tariff) Regulations, 2011, or adopt the REC mechanism for pricing of the electricity generated from the project.</p> <p>Provided that such projects that opt for either preferential tariff or REC mechanism, shall have to continue with the selected pricing mechanism for the entire Tariff Period or until validity of PPA; whichever is later, as outlined under JKSERC (Terms and Conditions of determination of RE tariff) Regulations, 2011;</p> <p>Provided further that such new renewable energy projects shall exercise its choice for selection of appropriate Pricing Mechanism prior to execution of the PPA with distribution licensee or with open access consumer, as the case may be.</p>
15	Renewable Energy pricing under REC mechanism	<p>15.1 The REC mechanism entails pricing of two components namely, electricity component and renewable energy component or REC representing environment attributes of renewable energy generation. For the purpose of the Operating Period from FY 2010-11 to FY 2012-13, the effective electricity component price shall be equivalent to pooled Cost of power purchase of the host Utility where such RE generation project is situated, whereas, the price of RECs shall be as discovered in the Power Exchange.</p>
15	Pricing for Existing RE projects during the new Operating Period	<p>16.1 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 State Commission and the same shall continue to be operative during the Operating Period, FY 2010-11 to FY 2012-13 as well; Provided that the existing projects for which long term PPA are already put in place, shall be allowed to participate in REC scheme after the expiry of their existing PPA</p> <p>Provided further that Prior termination of PPA shall not entitle existing renewable energy projects to participate in REC mechanism;</p>
17	Grid Connectivity Framework	<p>PART D: OTHERS</p> <p>17.1 The licensees shall be responsible for development of evacuation infrastructure beyond the inter-connection point while developer/generating company will have to develop evacuation infrastructure from generation facility up to the interconnection point at its own expense;</p>
18	Power to Relax	Vested with the Commission
19	Power to amend	Vested with the Commission
20	Power to remove difficulties	Vested with the Commission