

UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION

**(Promotion of Mini-Grid Renewable Energy Generation and Supply)
Regulations, 2016. Dated: 06-04-2016**

Sl. No.	Description	Summary
1.	Control Period	N.A.
2.	Applicability	<ol style="list-style-type: none"> 1. The Mini-Grid Projects with an installed capacity up to 500kWp shall be governed by these Regulations. 2. The MGO shall supply electricity in the rural areas and areas having inadequate supply of electricity during peak hours and/or compulsory supply hours in the State of Uttar Pradesh.
3.	Business Model A for No Existence of Grid	<ol style="list-style-type: none"> 1. The MGO shall build, commission, operate and maintain the Mini-Grid Projects for generation and supply of electricity through the PDN in areas where the Distribution Licensee's System doesn't exist. 2. The MGO shall be entitled to supply entire quantum of electricity generated from the Mini-Grid Projects to the consumers at mutually agreed tariff or the tariff for the Mini-Grid Projects with the State Government subsidy. 3. Upon the grid arrival, the MGO may opt for one of the following options for electricity supply : <ol style="list-style-type: none"> (a) The MGO shall supply to the consumers at mutually agreed tariff or tariff for the Mini-Grid Projects with State Government subsidy. (b) Generate and supply entire electricity generated to the Distribution Licensee at the inter-connection point at the applicable FIT. 4. The MGO shall have the option to transfer the ownership of the PDN, provided the PDN conforms to the standards of the Distribution Licensee's system, to the Distribution Licensee with mutual consent on depreciated value of assets. 5. The State Nodal Agency, upon intimation, shall facilitate the migration process. In the event of MGO intending to exit from the Mini-Grid Area upon the Grid Arrival, it may opt to sell the PDN to the Distribution Licensee, conforming to their existing standards and shall intimate the Distribution Licensee regarding the sale of the PDN. 6. The Distribution Licensee may allow the MGO to undertake role of the DF in the Mini-Grid Area.
4.	Model B: Grid pre-exists	<ol style="list-style-type: none"> 1. The MGO shall build, commission, operate and maintain the Mini-Grid Projects for generation and supply of electricity through the PDN in the Mini-Grid Areas where the Distribution Licensee's System pre-exists. 2. The MGO shall be entitled to supply entire quantum of electricity generated from the Mini-Grid Project to the consumers through the PDN at mutually agreed tariff or tariff for the Mini-Grid Projects with the State Government subsidy. 3. After supplying electricity to the consumers for a minimum term period of six (6) months, which may be reviewed further by the Commission, the MGO may opt for one of the following electricity supply options: <ol style="list-style-type: none"> (a) Continue to supply entire electricity generated to the consumers through the PDN as per the SoP.

		<p>(b) Generate and supply electricity to the consumers as per the SoP.</p> <p>(c) After supplying electricity based on either of the above options for at least three (3) years, the MGO may opt to generate and supply entire electricity to the Distribution Licensee at the inter-connection point at the applicable FIT. The MGO may utilize the existing PDN for its own use or the same may be taken over by the Distribution Licensee at mutually agreed price, provided the Distribution Licensee so desires.</p> <p>4. The MGO shall be allowed to migrate to any of the options in a model upon intimating the Commission, the State Nodal Agency and the concerned Distribution Licensee.</p> <p>5. The State Nodal Agency upon intimation shall facilitate the migration process.</p>
5.	Technical Standards for Construction of the PDN	<p>1. Construction manual for design and construction of lines issued by Rural Electrification and Secondary System Planning Organization (RESSPO), Uttar Pradesh Power Corporation Limited (UPPCL)</p> <p>2. The Central Electricity Authority (CEA) (Measures relating to Safety and Electric Supply) Regulations, 2010.</p> <p>3. The MGO shall follow technical standards for the PDN applicable from time to time in the State of Uttar Pradesh.</p>
6.	Technical Standards for Inter-connection with the Grid	<p>1. The inter-connection of the MRES with the Distribution Licensee's system shall comply with the CEA (Technical Standards for connectivity of the Distributed Generation Resources) Regulations, 2013 and amendments thereof.</p> <p>2. The cost for inter-connection network from the MRES to inter-connection point shall be borne by the MGO.</p>
7.	Metering Arrangement	<p>1. The Distribution Licensee shall install meter(s) at the inter-connection point of the MRES and the Distribution Licensee's system.</p> <p>2. The cost for installation of meter(s) at inter-connection point shall be borne by the Distribution Licensee.</p> <p>3. The MGO shall install meter(s) as provided here-in-below:</p> <p>(a) Generation meter at the Mini-Grid Project to record the generation of electricity. This will also serve the purpose of the fulfillment of RPO for the obligated entity/entities,</p> <p>(b) Meter(s) at each of the outgoing feeder(s) from the Mini-Grid Project.</p>
8.	Determination of the Feed-in-Tariff for the MRES	The tariff determined by the Commission for renewable energy generating plants through the UPERC (Captive and Renewable Energy Generating Plants) Regulations, 2014 and amendments thereof, shall be applicable for procurement of green power by the Distribution Licensee from the MRES.
9.	Distribution Franchisee Framework	<p>1. The Distribution Licensee may appoint the MGO as the DF in the Mini-Grid Areas.</p> <p>2. The Distribution Franchisee Fee and other terms and conditions shall be covered in the DFA.</p>
10.	Energy Accounting and Settlement for supply to consumers	<p>1. The MGO and the consumer shall mutually decide on the billing cycle for the purpose of raising invoices.</p> <p>2. The billing cycle shall be on monthly/bi-monthly basis between the MGO and the consumers for post-paid electricity connections.</p>
11.	Energy Accounting and Settlement for supply to the Distribution Licensee	The MGO shall raise invoice against the electricity injected into the Distribution Licensee's System at the inter-connection point based on the billing period of the Distribution Licensee and shall be reimbursed by the Distribution Licensee at the applicable FIT as per the terms of PPA.

12.	Renewable Purchase Obligation	<ol style="list-style-type: none"> 1. The quantum of electricity generated from the MRES interconnected with the Distribution Licensee's system, shall qualify as having complied with the RPO for the Distribution Licensee in whose area of supply the Mini-Grid Project is located. 2. Provided the Distribution Licensee purchases the PDN from the MGO at an amount less than the depreciated value of the assets, the differential amount shall be paid by the Distribution Licensee to the MGO against the RPO availed, if applicable, from the Mini-Grid Project.
13.	Renewable Energy Certificate Mechanism	The Applicability of the REC shall be regulated in accordance with the Central Electricity Regulatory Commission (Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010 and amendments thereof.
14.	Revocation of Agreements	In case of termination of Agreement(s), the Distribution Licensee and the MGO shall follow the process specified in the PPA and the DFA (as may be applicable).
15.	Migration Options	The MGO intending to migrate shall inform the Commission, the State Nodal Agency and the concerned Distribution Licensee for migration to another option with a proposed model.
16.	Exit Options	<ol style="list-style-type: none"> 1. The MGO shall be allowed to exit the Mini-Grid Area after providing ninety (90) days prior intimation to the Commission, the State Nodal Agency and the concerned Distribution Licensee (if applicable). 2. 19.2 The exit options will be governed by the Agreement(s) signed by the MGO.
17.	Payment Security	The Distribution Licensee shall prioritize making payments to the MGO.
18.	Grievance Redressal Mechanism	<ol style="list-style-type: none"> 1. The Committee shall resolve and/or facilitate in resolution of dispute arising between the MGO and the Distribution Licensee. 2. If dispute is not resolved in a period of three (3) months, the aggrieved party may approach the Commission. 3. Grievance of any consumer shall be redressed in accordance with the provisions of the UPERC(CGRF & Electricity Ombudsman) Regulations, 2007