

SOLAR POWER POLICY OF MIZORAM – 2017

Dated: 24.02.2017

Sl. No.	Description	Summary
1.	Operative Period	This Policy shall become operative from the date of its notification in the Mizoram State Gazette and shall remain in force until further order
2.	Objectives	<ul style="list-style-type: none"> • To encourage, develop and promote solar power generation. • To develop Mizoram into an investor friendly State. • To encourage public as well as private investment in solar power generation. • To promote decentralized and distributed generation. • To promote grid connected and off-grid solar applications • To promote all technologies of harnessing solar energy. • To create direct and indirect employment opportunities. • To promote R&D and innovations, skill development in the sector.
3.	Applicability	<ol style="list-style-type: none"> 1. Grid Connected Projects: For the development of solar power projects under this policy, any individual/Firm/Society/ Institution/Registered Company including Public utilities shall be eligible for sale of power to Distribution Licensee/Power & Electricity Department or 3rd party sale and captive consumption. 2. Grid Connected Rooftop Projects: All individual's residential/commercial/institutional/NGOs/ Industrial units/Govt. buildings are eligible to set up solar rooftop projects within the prescribed capacity limit in their own premises as well as third party rooftop. In addition, interested Firms/Registered Companies including Public Utilities shall be eligible to set up rooftop projects on third party roofs. 3. Off Grid Projects: Any individual/party shall be eligible to set up off grid projects.
4.	Targets	<ul style="list-style-type: none"> • The State Government of Mizoram, in line with the target set by Government of India and to achieve the Solar Renewable Purchase Obligation of 10.5% by end of 2021-22, a minimum target of 80 MW, including Rooftop System, is envisaged. • It would be mandatory for all State Government department/institutions to install Solar Rooftop Systems on the official buildings, wherever technically feasible. All Central Government department/institutions are also expected to install Solar Rooftop Systems on the official buildings, wherever technically feasible.
5.	Grid Connected Solar Power Projects	<p>Category 1 : Projects under Government of India: The State will promote Solar Power Projects sanctioned under National Solar Mission/MNRE and Rural Electrification Corporation Limited as amended from time to time.</p> <p>Category 2 : Projects under State Government: Projects may be taken up by the State Government on its own, or through nomination basis to CPSUs or under PPP mode based on tariff based competitive bidding.</p> <p>Category 3: Projects under Renewable Energy Certificates (REC) Mechanism: Solar projects set up under the REC mechanism shall be eligible for Policy benefits as allowed under CERC REC mechanism as per the Guidelines/Orders/Regulations issued by CERC/JERC (M&M) from time to time.</p>

		<p>Category 4 : Projects under Captive Generation: The project developer will be allowed to avail REC in compliance with JERC (M&M)/CERC regulations.</p> <p>Category 5 : Projects under Independent Power Producers: Power plants those put up for sale of power to 3rd party constitute this category.</p>
6.	Grid Connected Solar Rooftop Projects (SRPs)	<ol style="list-style-type: none"> 1. The State Government of Mizoram is committed to promotion of solar rooftop projects on public buildings, domestic, commercial and industrial establishments etc. 2. All incentives provided by Government of India and the State government from time to time shall be extended to grid connected solar rooftop projects (SRPs). 3. The total capacity targeted under the policy directives for SRPs, including metering, billing, settlement, payment(s) and technical aspects etc. be made available by the Distribution Licensee.
	Eligibility and targets under the scheme	<ol style="list-style-type: none"> 1. All the individuals, residential/commercial/Institutional/Govt. Semi-Govt. building owners, Industrial units are eligible to set up Rooftop Solar Power Plant within the prescribed capacity limit. 2. Eligible project capacity under the scheme will be from 1 KWp and above with/without battery back-up support.
	Capacity	<ul style="list-style-type: none"> • Through rooftop systems shall be generally connected on LT Supply, large solar PV system may have to be connected to 11KV system. • Grid connectivity levels for rooftop systems shall be as per the regulation laid down by JERC(M&M).
	Metering system	<ol style="list-style-type: none"> 1. Consumers will generate solar power for self-consumption and can feed excess power into the grid through a bi-directional export/import meter. 2. All the equipment to be installed shall be as Indian/IEC standards which shall be notified by the State Nodal Agency. 3. However, net metering shall be implemented by the Distribution Licensee.
	Restrictions on level of overall or local grid penetration	<ol style="list-style-type: none"> 1. Applicants who desire to install grid connected SRPs are free to choose either net or gross meter option for sale of power and shall apply to the Distribution Licensee through the State Nodal Agency. Projects shall be approved on a first come first serve basis subject to technical feasibility such as availability of roof space, strength of roof and aspect of building etc. 2. Net-metering based rooftop solar systems are small capacity systems and can be expected to proliferate fast when the policy and procedures are conducive. Therefore, the cumulative capacity to be allowed for a particular distribution transformer shall not exceed 40% of the rated capacity of the distribution transformer.
	Settlement of Energy/RPO	<ol style="list-style-type: none"> 1. In case there is net energy injected in to the grid in a particular billing cycle, it will be credited in units for the next billing cycle. The net credit of units, if any, at the end of the settlement period, usually a Financial Year, 100% of units shall be credited in cash by the distribution licensee to the eligible consumer's account at a tariff determined by JERC M&M. 2. The quantum of electricity generated from the solar energy system of an eligible consumer and consumed by him shall qualify for accounting towards the Renewable Purchase Obligation (RPO) of such accounting towards the Renewable Purchase Obligation (RPO) of such eligible consumer or the distribution licensee under which he is a consumer if he is either an obligated entity or not under JERC for Manipur and Mizoram (Renewable Purchase Obligation and its Compliance), Regulations, 2010 and its amendments from time to time.

	Option for installation of Solar Rooftop Projects (SRPs)	<ol style="list-style-type: none"> 1. Solar installations owned by consumer: Solar Rooftop facility owned by consumer but operated and maintained by the 3rd party. 2. Solar installations owned, operated and maintained by 3rd party: <ul style="list-style-type: none"> • Arrangement as a captive generating plant for the roof owners <ul style="list-style-type: none"> ➤ The 3rd party implements the facility at the roof or within the premises of the consumers; the consumer may or may not invest as equity in the facility as mutually agreed between them. ➤ The 3rd party may also make arrangement of undertaking operation and of maintenance of the facility. The power is then sold to the roof owner. The net surplus energy, if any, can be fed into the grid. • Solar Lease Model, Sale to Grid: The 3rd party implementing the solar facility shall enter into a lease agreement with the consumer for medium to long term basis on rent. The facility is entirely owned by the 3rd party and consumer is not required to make any investment in facility. The power generated is fed into the Grid and the roof top owner gets a rent. 3. Solar Installations at roofs of Government and its allied buildings/structures: Government and its allied buildings/structure will be eligible to avail benefits under the policy.
7.	Solar Off-grid and Decentralized Distributed Generation (DDG)	<ol style="list-style-type: none"> 1. The State will incentivize decentralized and off-grid applications, including hybrid systems as per guidelines issued by MNRE to meet various electrical and thermal energy requirements for domestic and commercial uses. 2. The State will also promote setting up of local solar grid and stand-alone solar systems to provide electricity to remote villages. 3. The State will also promote uses of SPV water pumping systems wherever possible for drinking as well as irrigation purposes. 4. The State will promote uses of small SPV systems, such as: Solar Home Lighting systems, Solar Lanterns, Solar Power Packs etc.
8.	Transmission and Distribution charges for wheeling of power	<ol style="list-style-type: none"> 1. The developer shall be laying of power evacuation line from generating station to the nearest substation or interconnection point. 2. The Distribution Licensee will undertake to transmit on its grid the power generated by eligible producer and make it available to the end user or to a third party nominated by eligible producer for sale within the State, at uniform wheeling charge of 2% of the energy supplied to the grid or as determined by JERC M&M, irrespective of the distance from the generating station.
9.	Power Scheduling and Banking	<ol style="list-style-type: none"> 1. Banking of 100% of energy shall be permitted for all Captive and Open Access/Scheduled consumers as per the schedule with the Distribution Licensee in year. 2. Banking charges shall be adjusted in kind @ 2% of the energy delivered at the point of drawal. Banked units can be consumed/redeemed as per mutual agreement with the Distribution Licensee. 3. For captive/third party sale, energy injected into the grid from date of synchronization to open access approval date will be considered as deemed energy banked.
10.	Electricity Duty	Exempted
11.	Cross subsidy Surcharge	determined by JERC (M&M)
12.	Bill settlement	All transactions between the Department and the eligible producer involving wheeling, banking or sale of power will be settled on a monthly basis.

13.	Exemption from Demand Cut	A reduction in contract demand to the extent of 50% of installed capacity of the solar power plants shall be permitted by the Distribution Licensee, in case the power plant is not utilizing the Department's grid for supply of power to consumer.
14.	Power Purchase Agreement (PPA)	<ul style="list-style-type: none"> • The Distribution Licensee/Consumer and eligible producers under this policy may enter into a Power Purchase Agreement for a minimum period of 10 years. • However, if any eligible producer intends to enter into Power Purchase Agreement for shorter periods, the Power & Electricity Department will consider such proposal on the merit of the case.
15.	Security Package for Eligible Producer	The Distribution Licensee shall provide facilities of an irrevocable, divisible, revolving and confirmed standby Letter of Credit by any nationalized bank. The amount of the Letter of Credit shall be equal to the expected payment for two months by the Department.
16.	Pollution Control Board Clearances	SPPs using PV or solar thermal technology, being a renewable energy will be given deemed clearances by Mizoram Pollution Control Board.
17.	Open Access	As per JERC (M&M)/ CERC regulations as amended from time to time
18.	Land for grid connected projects	Government land would be made available to project developers depending on availability.
19.	Entry tax/VAT	Exempted
20.	Refund of Stamp Duty	<ul style="list-style-type: none"> • The State Government (concerned department) will provide incentive in terms of 100% refund of Stamp Duty for land purchased for setting up solar power project and Stand-alone Solar Power System. • Registration charges are payable as per rules.
21.	Grid evacuation & evacuation facility	<ol style="list-style-type: none"> 1. The developer shall be responsible for interconnection arrangement which includes transformer panel, protections, metering etc. at the substation or interconnection point. 2. All the evacuation facilities/infrastructures shall be as per the standard laid down by the Central Electricity Authority or as per the standard being adopted by the State Distribution Licensee.
22.	Nodal Agency	Zoram Energy Development Agency (ZEDA)