

GOVERNMENT OF MANIPUR

Manipur Grid Interactive Rooftop Solar Photo Voltaic (SPV) Power Policy, 2014

Notification, Dated 9th December, 2014

Sl. No.	Description	Summary
1.	Order	Notification No. 9/9/2014-S&T(MANIREDA) dated 9 th Dec, 2014
2.	Title	Manipur Grid Interactive Rooftop Solar Photo Voltaic (SPV) Power Policy, 2014
3.	Applicable	To come into force from the date of publication in the Manipur Gazette
4.	Objective	To lay a framework for harnessing the ubiquitous Solar energy in the State by utilising the empty rooftops of the buildings in the State
5.	General	<ul style="list-style-type: none"> • Grid interactive rooftop solar plants to be supported under MNRE- JNNISM scheme "Off-grid and Decentralized Solar Applications" • Power generated from SPV projects to be utilized fully for powering Captive loads during the day time and excess power fed into the Grid • Connectivity at 33 kV/11 kV three phase lines or 440/220 volt three/single phase line depending on the system installed • In Grid interactive systems, in case of Grid failure, power to be fully utilized and feeding to the grid be stopped
6.	Tariff system	To be decided by JERC
7.	Metering	<ul style="list-style-type: none"> • Net metering to be implemented for the consumers of MSPDCL who set up solar PV plants on roof-tops, Individual households, industries, offices, commercial establishments, institutions, residential complexes etc. for project capacity of minimum 1 kW upto a maximum of 500 kW with/ without battery back-up support • MSPDCL to install/seal tested bi-directional/ separate export and import energy meters • Meters could be purchased by the Plant owner or provided by the MSPDCL at pre-notified rates. • Meters to be as per CEA and BIS specifications only.
8.	Capacity	<ul style="list-style-type: none"> • Generation to be not more than 80% of the electricity consumption by the eligible consumer at the end of the settlement period as per net metering arrangement at the end of each year. • In case generation exceeds 80% of the electricity consumed at the end of the settlement period, no payment to be made by the licensee and also not carried forward to next year and same to be treated as unwanted/inadvertent injunction
9.	Eligibility and Targets	All the individuals, residential/commercial/Institutional /Govt./Semi-Govt. building owners, Industrial units are eligible to set up Rooftop Solar Power Plant within the permissible rated capacity from 1 kW upto 500 kW.
10.	Options for Installation	<p>(a) Solar installations owned by consumer:</p> <ul style="list-style-type: none"> • Solar Rooftop facility owned, operated and maintained by the consumer(s). • Solar Rooftop facility owned by consumer but operated and maintained by the 3rd party <p>(b) Solar installations owned, operated and maintained by third Party: The third party implements the solar rooftop facility and provides services to the consumers. Surplus electricity may be injected to the electricity grid.</p> <p>(c) Solar Installations at roofs of Government and its allied buildings /structures. In order to ensure quality of the equipment's installed and its smooth performance, MANIREDA will be the implementing agency in Government Departments and its allied institutions</p>

11.	Site Requirement	<ul style="list-style-type: none"> • On the basis of total energy requirement of the premise and the area available for installation • Solar PV system on the roof top of selected buildings can be installed for meeting the requirement of the building • Though rooftop systems shall be generally connected on LT supply, large system may be connected to 11kV system • Criteria suggested to JERC: Load upto 8 KW: LV single phase supply Load >8 kW and upto 75 kW: LV three phase Load >75 kW and upto 500 kW : 33kV/11 Kv • Export Import meters to be installed with the facility of net metering. • Meter to be finalized in consultation with the DISCOM.
12.	Restrictions on Grid Penetration	<ul style="list-style-type: none"> • Licensee to provide net metering arrangement to all eligible consumers as long as the cumulative capacity for a particular distribution transformer does not exceed 30% its rated capacity. • Distribution utility to which the consumer is connected can be given the benefit of deemed RPO for self-consumption of electricity by consumers who are not defined as obligated entities under the RPO framework as long as such consumers does not opt for REC framework for self-consumption as eligible entity • Quantum of electricity consumed by consumer, who is not an obligated entity from the rooftop solar system under net-metering arrangement shall qualify as deemed Renewable Purchase Obligation (RPO) for the licensee.
13.	Operation and Maintenance (O&M)	<ul style="list-style-type: none"> • Responsibility of O&M lies with the consumer. • Solar plant shall comply with the relevant standards specified by MNRE/BIS and CEA • SPV to be equipped with appropriately rated protective devices to sense any abnormality in the system and carry out automatic isolation of the SPV from the grid. • For Details Refer the Policy
14.	Applicability of Renewable Energy Certificate (REC) and RPO	<ul style="list-style-type: none"> • Net-metering injection is not eligible for REC • Quantum of electricity consumed by an eligible consumer, who is not an obligated under net-metering to qualify as deemed (RPO) for the distribution licensee
15.	Penalty & Compensation	In case of failure of net metering system, the provisions of penalty/compensation to be as per the provisions of the standard of performance regulations for distribution licensee.
16.	Power to Interpret, Relax and Amend	Vested with Science & Technology Department, Govt. of Manipur
17.	Power Purchase Agreement (PPA)	<ul style="list-style-type: none"> • PPA to be signed between the owner of buildings, third party, MANIREDA and MSPDCL as applicable. • An agreement between MSPDCL and the owner to be signed for net metering and billing. Suitable payment security mechanism to be provided by MSPDCL. • MSPDCL to separately issue the tariff notification for solar energy under various options as provided for in the policy with due approval of the JERC or otherwise, as necessary.
18.	Applicable Subsidy	Rate and amount of applicable subsidy to be as per approved rate, sanctioned amount and on the basis of allocated target by MNRE, Gol.
19.	Implementing Agency	Manipur Renewable Energy Development Agency (MANIREDA)
20.	Application & Registration	<ul style="list-style-type: none"> • Application form to be made available on MANIREDA website (www.manireda.com) • Applicant to apply by post/courier to MANIREDA in the prescribed format along with an application fee @ Rs. 500/- per KW in the form of DD drawn in favour of Director/MANIREDA, Imphal. Maximum application fee to be Rs. 50,000/- per project. • Applications without application fee, requisite details and documents as detailed in the policy to be rejected • Selection of beneficiaries to be strictly on first-come first-served basis and is not transferable to another beneficiary or site/building • For more Details Refer Policy