

Manipur Grid Interactive Rooftop Solar Photo Voltaic (SPV) Power Policy, 2014, Dated: 09.12.2014

Sl. No.	Description	Summary									
1.	Nodal Agency	Manipur Renewable Energy Development Agency (MANIREDA)									
2.	Objectives	<ol style="list-style-type: none"> 1. This policy aims to lay a framework for harnessing the ubiquitous Solar energy in the State by utilising the empty rooftops of the buildings in the State. 2. The policy aims to utilize the existing roof space of buildings for the roof-top SPV systems to replace DG gensets installed for minimum load requirement for operation during load shedding. 									
3.	MNRE Scheme	<ol style="list-style-type: none"> 1. The Ministry of New and Renewable Energy (MNRE), Govt. of India has been implementing a programme on "Off-grid and Decentralized Solar Applications" from the first phase of the Jawaharlal Nehru National Solar Mission (JNNSM). 2. MNRE may provide one time subsidy upto (30-70)% of the benchmark cost of the project as follows (current rate): 									
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr. No.</th> <th style="width: 60%;">Type of Consumer</th> <th style="width: 30%;">Applicable CFA</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Central and State Government Ministries and their organisations (excluding PSU / Corporate buildings) / Govt. Educational Institutions / Hospitals / Community Centres / Anganwadis / Panchayat Ghars / State / Central Govt. Buildings / Municipal Corporation Buildings / Police Stations / Police Posts / Vocational Training Centres / Govt. Hostels etc.</td> <td>70% of the MNRE Benchmark cost*.</td> </tr> <tr> <td>2.</td> <td>Individuals</td> <td>30% of the MNRE Benchmark cost.</td> </tr> </tbody> </table>	Sr. No.	Type of Consumer	Applicable CFA	1.	Central and State Government Ministries and their organisations (excluding PSU / Corporate buildings) / Govt. Educational Institutions / Hospitals / Community Centres / Anganwadis / Panchayat Ghars / State / Central Govt. Buildings / Municipal Corporation Buildings / Police Stations / Police Posts / Vocational Training Centres / Govt. Hostels etc.	70% of the MNRE Benchmark cost*.	2.	Individuals	30% of the MNRE Benchmark cost.
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2.	Individuals	30% of the MNRE Benchmark cost.									
*The MNRE revise capital subsidy for rooftop solar power plants from time to time.											
4.	Tariff system	The feed in tariff for the power generated from the Solar Power Plant will be decided by JERC in such a manner that it provides safeguard to all stakeholders including DISCOMs.									
5.	Metering System	<ol style="list-style-type: none"> 1. Individual households, industries, offices, commercial establishments, institutions, residential complexes etc. will be eligible for project capacity of minimum 1 KW upto a maximum of 500 KW with/ without battery back-up support. 2. Consumers will generate solar power for self consumption and can feed excess power into the grid through a bi-directional export/import meter. 3. MSPDCL shall install/seal tested bi-directional (export & import) or separate export and import energy meters for all Solar PV projects. 									
6.	Capacity	<ol style="list-style-type: none"> 1. The electricity generated by the rooftop solar system of an eligible consumer shall not be more than 80% of the electricity consumption by the eligible consumer at the end of the settlement period. 2. In the event the electricity generated exceeds 80% of the electricity consumed 									

		at the end of the settlement period, no payment shall be made by the distribution licensee and shall not be carried forward to next year and the same shall be treated as unwanted/inadvertent injunction.
7.	Eligibility and Targets under the Scheme	<ol style="list-style-type: none"> 1. Eligible project capacity limit under the scheme will be from 1 KW upto 500 KW. 2. The total capacity of 5 MW is targeted to be covered during 12th Plan period for which a formal proposal was already been submitted to the MNRE, Gol. 3. Actual target will be subject to allocated target by the Ministry.
8.	Options for Installation of Solar Power Projects	<ol style="list-style-type: none"> 1. Solar installations owned by consumer 2. Solar installations owned, operated and maintained by 3rd Party <ol style="list-style-type: none"> a) Arrangement as a captive generating plant for the roof owners b) Solar Lease Model, Sale to Grid 3. Solar Installations at roofs of Government and its allied buildings /structures
9.	Site Requirement	<ol style="list-style-type: none"> 1. Rooftop systems shall be generally connected on LT supply, large solar PV system may have to be connected to 11kV system. 2. Following criteria may be made by JERC for selection of voltage level in the distribution system for ready reference of the solar suppliers: <ol style="list-style-type: none"> a) Load upto 8 KW : low voltage single phase supply b) Load >8 kW and upto 75 kW : low voltage three phase supply c) Load >75 kW and upto 500 KW : at 33kV/11 Kv
10.	Restrictions on Level of Overall or Local Grid Penetration	<ol style="list-style-type: none"> 1. The distribution licensee shall provide net metering arrangement to all eligible consumers as long as the cumulative capacity to be allowed for a particular distribution transformer shall not exceed 30% of the rated capacity of the distribution transformer. 2. The 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.
11.	Applicability of Renewable Energy Certificate and RPO	Net-metering injection is not eligible for REC. The quantum of electricity consumed by an eligible consumer, who is not defined as an obligated entity from the rooftop solar system under net-metering arrangement shall qualify as deemed Renewable Purchase Obligation (RPO) for the distribution licensee.
12.	Penalty and Compensation	In case of failure of net metering system, the provisions of penalty or compensation shall be as per the provisions of the standard performance regulations for distribution licensee.
13.	Applicable Subsidy	Rate and amount of applicable subsidy would be according to approved rate, sanctioned amount and also on the basis of allocated target by the MNRE, Gol.
14.	Registration Fee	Applicant has to apply to MANIREDA in the prescribed format along with an application fee @ Rs. 500/- per KW in the form of DD drawn in favor of Director/ MANIREDA, Imphal. The maximum application fee will be Rs. 50,000/- per project.