


**MEGHALAYA POWER DISTRIBUTION CORPORATION LIMITED**
**OFFICE OF THE CHIEF ENGINEER (DISTRIBUTION)**
**LUM JINGSHAI, SHORT ROUND ROAD, SHILLONG – 793001**

☎: (0364) 2590955 CIN: U40101ML2009SGC008394

No. MePDCL/CE(COM)/\_\_\_\_\_

Dated

To,

 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Sub: Approval for Net-Metering Arrangement of Rooftop Solar Grid Interactive System.

Ref: Letter No.

Sir,

With reference to above, approval is hereby accorded for Net-Metering Arrangement of Rooftop Solar Grid Interactive System to the premises as indicated in serial 1 below, on fulfillment of the requirements as mentioned from serial 2 to 19 below, and on payment of the connection fee (net metering arrangement etc) as per the bill enclosed at **Annexure A**–

- 1 Name and address of the premises:
  - a) Name of the consumer:
  - b) Consumer No (existing, if any):
  - c) Category (existing, if any):
  - d) Contracted demand, KVA/ Connected load, KW (existing, if any):
  - e) Road:
  - f) Locality:
  - g) City/ Town/ Village:
  - h) District:
  - i) Telephone No/ Mobile No:
  - j) Fax No:
  - k) Email Address:
- 2 Acknowledgement No & date:
- 3 Capacity allowed (KWp):
- 4 Voltage level at interconnection point (V):
- 5 The solar plant shall comply with the relevant standards specified by the MNRE /BIS and CEA.
- 6 All the equipments associated with solar plant installation like solar PV panels, inverters, synchronizer, Maximum Power Point Tracking (MPPT), batteries, transformers, cables, junction boxes etc shall be brand new and as per latest specified Indian/IEC standards.
- 7 The eligible consumer shall provide an appropriate protection system on their incoming side/ consumer premises with the feature of “Islanding the SPV generator”, so as to achieve isolation of consumer power-system from utility power-system during grid failure including protection from voltage / lightning surges. The Power Conditioning Unit of the SPV plant shall have features to filter out harmonics and other distortions before injecting the energy into MePDCL system.

- 8 The eligible consumer shall install auto synchronization/de synchronization facility with distribution system of the MePDCL at above mentioned voltage level.
- 9 The eligible consumer shall be responsible for operation and maintenance of the solar photo voltaic (SPV) generator including all accessories and apparatus.
- 10 The design and installation of the rooftop SPV should 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.
- 11 The inverters used should meet the necessary quality requirements and should be certified for their quality by appropriate authority; the protection logics should be tested before commissioning of the plant.
- 12 The automatic isolation or islanding protection of SPV should be ensured for, no grid supply and low or over voltage conditions and within the required response time.
- 13 Adequate rated fuses and fast acting circuit breakers on input and output side of the inverters and disconnect/isolating switches to isolate DC and AC system for maintenance shall be provided.
- 14 The eligible consumer shall provide all internal safety and protective mechanism for earthing, surge, DC ground fault, transients etc.
- 15 In addition to automatic sensing and isolating on grid supply failure etc and in addition to internal disconnect switches, the eligible consumer should also install Double pole/Triple pole with neutral isolating disconnect switches which can be locked by MePDCL personnel.
- 16 The eligible consumer shall restrict the harmonic generation within the limit specified in the agreement or specified by the Central Electricity Authority as and when such regulation is issued.
- 17 The eligible consumer shall submit the work completion report along with the drawing of the Rooftop Solar Grid Interactive System issued by the plant supplier/ contractor that the plant has been installed as per approved standards and specifications.
- 18 The eligible consumer shall submit the technical specifications/ test certificates and other particulars of the Rooftop Solar Grid Interactive System which also includes the panel, inverter, interlocking system, meter etc.
- 19 After site verification, and on payment of the charges (which includes supply and installation of metering equipments etc) by the eligible consumer, MePDCL shall install and seal the Bi-directional energy meter(s) and the plant will be treated as commissioned for net-metering commercial operations from that date.

Thanking you

Yours etc.,

Chief Engineer (Commercial)  
MePDCL: Shillong