

NET METERING PROCEDURE

Application Eligibility of Consumers

Maximum rooftop solar capacity to be installed by eligible consumer (in the area of supply of eligible consumer) should not exceed its connected load subject to condition of Distribution Transformer (of its area of connection) loading should not increase:

30% of peak capacity of distribution transformer in case of Low Tension Supply

15% of peak capacity of power transformer in case of High Tension Supply

- Provided maximum capacity for single consumer should not increase **1 MWp**.

Application Process for Consumers

The applicant should fill an application form for installation of Rooftop Solar Photovoltaic system (SPV) under Net Metering arrangement under its area of sub-division with a Application fee of Rs 1000.

After checking outstanding status of the consumer account (NO DUES Certificate), Site Verification Process is initiated.

After Certification of site verification and Technical feasibility (Loading of the concerned Distribution Transformer), applicant is intimated for further process, otherwise its application will not proceed further.

***After Certification of site verification and technical feasibility, eligible consumer only can apply for subsidy to HAREDA.**

For successful applicant, further process is initiated. It includes Meter Security charges, Meter testing fee or any other applicable charges. Eligible consumer will further sign a Net Metering Agreement with the Nigam.

The work of installation of Solar Rooftop is carried out by firms empanelled by MNRE for whom Certificate has been issued by MNRE.

Incentive of Rs 1 is given to the eligible residential consumers (DS) w.e.f. 01.08.2016 onwards during FY 2016-17. . For consumers of other categories incentive @ 25 paise per unit is payable. Incentive is given from the date of Net Metering Connection

Safety Certificate

No safety certificate required below **20 kWp**.

Safety certificate from chartered engineer is required for 20 kWp to 100 kWp.

Safety certificate from Electrical inspector is required for above 100 kWp.

Eligible consumer can apply online on web portal available at Nigam's website. The web portal is also linked to HAREDA, information provided at any portal (either HAREDA or Nigam's Portal) is automatically retrievable/available for both.

For further query, consumer may contact Nodal officer SE M&P and XEN M&P.

SE M&P UHBVN-9356691761

XEN M&P Rohtak-9354726643

XEN M&P Ambala-9354726625

XEN M&P Karnal-9354726631

XEN M&P Yamunanagar-9354726637

For DISCOMs internal purpose only

Mandatory safety precautions / features:

The following are mandatory safety precautions which will be taken care before and after commissioning of grid connected Solar PV system.

An inbuilt Inverter relay which trips on DISCOM supply failure and prevent any solar power injection to the DISCOM Network when there is no power from DISCOM. The anti-islanding protection shall be tested during the release of connection.

The Solar PV system should be separately grounded / earthed. A minimum of two Separate dedicated and interconnected earth electrodes must be used for the earthing of the PV system support structure, with a total earth resistance not exceeding 5 ohms.

Lightning Arrestor also must be provided for SPV.

Manual isolator switch at an easily accessible location with locking facility shall be provided.

Caution Stickers shall be used with the green back ground and the text "Solar PV Systems" written in white letters. The size of these stickers shall be 10 CM (width) x 7 CM (height) with the text clearly printed in the center of the sticker. (applicable to only 50 kW and above)

All SPV consumers should have a mandatory sign board fitted near the existing meter reading terminal stating that 'This service is fitted with a LT grid connected SPV plant'. The Solar PV system Caution Stickers shall be fixed at the following locations. (applicable to only 50 kW and above)

On or near to meter of service with grid connected solar PV system;

On The Consumer main switch, of a service connected with a grid connected Solar PV System;

On LT poles with grid connected Solar PV Systems at height of about 1.50 meter from the ground;

On LT feeder pillars with grid connected Solar PV System on the street-facing door of the feeder pillar.

On each of the LT take off poles of a Distribution Transformer to which Solar PV Systems are connected.

On substation end of HT feeder having Solar PV System.

A List of serviced connections of grid connected Solar PV Systems shall be available at the Division office and 33/11 KV S/S.

A record may be maintained at the Division office of each SPV plant commissioning date and other details.

The SPV connected details of pole / pillar box /DT/ SS feeder end wise may be maintained at Division office.

During planned / forced maintenance work on DISCOMs network, before taking up the work in hand, besides ensuring all other provisions such as line earthing, de-energisation of the line section where the work is to carried out as per prevailing norms further it should be ensured that supply from such small solar roof-top PV power plants are not back feed and supply should also be disconnected by manual isolating switch with locking facility installed in the premises of such consumers and ensuring proper earthing.