agreement with the distribution licensee in the Standard Agreement Form. Permission will be normally issued within 15 days from the date of submission of the application to the distribution utility in their Division offices provided there is feasibility for connectivity and fulfilment of other documentary requirements as per Regulations in force.

9. Restrictions on level of overall or local grid penetration:

To address technical, safety and grid security issues arising out of possible reverse flow of electricity in the local grids, the distribution licensee shall provide net metering/ bi-directional metering arrangement to all eligible consumers as long as the cumulative capacity to be allowed for a particular distribution transformer shall not exceed 75% of the capacity of the distribution transformer.

The quantum of electricity consumed by an eligible consumer, who is not defined as an obligated entity from the solar system under net-metering / bi-directional metering arrangement shall qualify as deemed Renewable Purchase Obligation (RPO) for the distribution licensee/bulk supplier.

The Commission may however increase/decrease the level of penetration and issue renewable energy penetration limits at overall grid level, if required in the future to ensure grid stability.

10. Metering Arrangement:

Two meters would have to be installed by the solar power generator. One is for measuring solar generation and the other one is for Import/Export measurement. The first meter, the solar generation meter, has to be installed at the generator end after the inverter at the ground floor of the premises to facilitate easy access for meter reading. In case of multiple solar generations sources in a single premise, separate solar meters would have to be installed by the solar power generator/prosumer for each of the sources with facility for installation of modem alongwith all the solar meters for remote recording of monthly generation data through GSM or GPRS to the concerned distribution licensee. As an alternate, the consumer can provide the soft copy of dump data of solar generation meter in .xml/cdf/dmd/emd/mrd format through email to the concerned licensee in the first week of succeeding month. Notwithstanding the above provision of remote meter reading, manual reading can also be taken by the licensee in case of emergency or if situation so warrants arising out of technical deficiencies or force majeure situations. In that case the manual reading shall be treated as final reading for all purposes. One net meter/bi-directional meter (single phase or three phase as per requirement) capable of recording import and export of power in KWh is to be installed which shall be accepted by all for commercial settlement. These meters should be MRI and AMR complaint.

Provided that till the BIS and CEA standards are available the following standards shall be followed. Once the standards are available, all the net meter / bi-directional meter to be installed shall follow the relevant guideline. The existing net meter / bi-directional meter already installed before the publication of standards shall be allowed to continue.

Provided that for HT connections (11kV and above), the applicable meter can be a bidirectional meter (Category-B) and complying with the existing IS-14697 and IS 15959 standards.

Provided that for LT connections (below 11kV), the applicable meter shall comply with the existing meter standards IS 14697 for CT operated static watt-hour meters and IS-13779 for ac static watthour meters with additional requirement of two registers, as Import and Export register, to record the import and export of electricity.

Provided further that all the meters should also comply with IS-15959 (Indian Standards for Data Exchange for electricity meters). There shall be a separate Solar Generation Meter to record the total solar generation in the consumer premises after the power conditioning unit.

- (a) The meters shall adhere to the standards for consumers specified by the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 and Central Electricity Authority (Installation and Operation of meters) Amendment Regulations, 2010 as amended from time to time.
- (b) The Distribution Licensee shall host the list of approved manufacturers of such meters in their website.
- (c) Installation of Check meter for the solar energy system would be optional.
- (d) The cost of meters, cost of connectivity and all other related cost for setting up the meters etc. have to be borne by the eligible consumers under guidance of the concerned distribution licensee. Either consumer or distribution licensee shall procure the meter. The distribution licensee shall test and install the same.
- (e) The meters installed shall be jointly inspected and sealed by the Licensee on behalf of both the parties. It shall be tested by the licensee and installed in the presence of the representatives of the consumer or himself and the distribution licensee with due acknowledgement. In case desired by the consumer the licensee shall allow the presence of the same during testing by intimating test date and time in advance. Position & sealing of meters will be guided by the