

Self-Certification and Declaration for SRT PV Installation under "SURYA" Project subsidy scheme

Service No. _____ DISCOM : Torrent Power Ltd. DATE : _____

Name of Empaneled Agency: _____

Basic System Information:

GUVNL Registration Number: _____

Customer Name: _____

Service No. : _____ Zone/Sub Zone _____

Address: _____

Existing Sanctioned Load: _____ KW _____ Phase

PV Registration Capacity at GUVNL Portal: _____ KW _____ Phase

1) PV Module Specification:

| Equipment | Make of Solar PV Module | Model No. | Type of PV Modules (Crystalline) | Rated Capacity of Solar Module in Watt(peak) More than 250Wp | No. of Modules | Total PV Capacity installed in Kwp |
|-----------|-------------------------|-----------|----------------------------------|--|----------------|------------------------------------|
| PV Module | | | | | | |
| | | | | | | |

- Serial Nos. of PV modules attached separately

2) Are the modules of Indian Make: YES/NO

3) Original Solar Cells Manufacturer (purchased by Solar Module Manufacturer) : _____

4) Inverter IS 16221 –Details*:

| Make of Inverter | Model No. | Type of Inverter (Single/Three phase) and Voltage | Rated A.C. Output of Inverter in kilo Watt/KVA | Outdoor or Indoor Type and class | Serial No. of Inverter |
|---|-----------|---|--|----------------------------------|------------------------|
| | | Single/Three phase | _____KVA/KW | Outdoor/Indoor | |
| Remote Monitoring System / Data Acquisition System provided or not? | | | | | Provided / Not |
| GSM/GPRS – SIM card – Make _____ Mobile No. _____ | | | | | |
| Inverter Earthed or not? | | | | | Earthed / Not |

*Inverter Model Data Sheet and Inverter Test Certificate attached or up loaded on GUVNL/TPL Portal

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5) Solar Capacity in KW for Subsidy Claim : _____ KW

-For subsidy calculation minimum of following three shall be considered:

1. Applied SPV Capacity in KW at the time of registration
2. Solar PV array capacity in KWp and 3. Inverter Capacity in KW

6) Test Results:

A) Earthing:

a) Earth Tester Used:

| Make | Model | Sr. No |
|------|-------|--------|
| | | |

Last Calibrated certificate is attached / uploaded on GUVNL/TPL portal

b) Earth Resistance Values:

| | | | | | |
|-------------------|-----------|-------------------|-----------|---------------|-----------|
| D C Side Earthing | _____ Ohm | A C Side Earthing | _____ Ohm | L.A. Earthing | _____ Ohm |
|-------------------|-----------|-------------------|-----------|---------------|-----------|

B) Insulation Resistance:

a) Megger used :

| Make | Model | Sr. No |
|------|-------|--------|
| | | |

Last Calibrated certificate is attached / uploaded on GUVNL/TPL portal

b) Insulation Resistance Values:

| Phase to Earth | Phase to Phase |
|----------------|----------------|
| _____ | _____ |

The work of aforesaid installation has been completed by us on _____ and it is to hereby declare that

- a) All PV modules and its supporting structures, inverter, have enough mechanical strength and it conforms to the relevant codes/guidelines, EOI No: PGVCL/DSM/EOI/SRT/2019-20/01 Dated: 20/07/2019 & subsequent amendments.
- b) The work of aforesaid Installation including cables/wires, protective switch gears as well as earthings are of adequate ratings/size has been carried out in conformance with the requirements of Central Electricity Authority (Measures relating to safety and electrical supply), Regulations 2010 and the relevant codes/guidelines, EOI No: PGVCL/DSM/EOI/SRT/2019-20/01 Dated : 20/07/2019 & subsequent amendments thereof. The installation is tested by us and is found safe to be energized.

Signature and Stamp of
Electrical Contractor (EA)

Signature and Stamp of
Electrical Supervisor

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Details of Module Mounting Structure (MMS):

| Sr. | Particulars | Details | Declaration |
|-----|---|---|---------------------------------------|
| 1. | Structure Material | Hot Dip Galvanized Iron as per IS:4759 | Hot Dip Galvanized / Cold Rolled used |
| | | Cold Rolled pre-galvanized as per IS | |
| 2. | Fasteners, N&B, clamps | Used made up of Stainless Steel minimum grade SS304 | ALL SS used / Not |
| 3. | Structure Steel Thickness | Min. 2.0 MM for rectangular/square/circular hollow pipe section | rectangular/square/circular (2.0 mm) |
| | | Min. 2.5 MM for other than above | 2.5 mm C-Chanel |
| 4. | Structure | Installed Elevated or not? | Elevated / Not |
| | | Any welded joints in Mounting Structure? | YES / No |
| | | If welded joints are there; then quality of zinc spray done or not? | YES / No |
| 5. | Minimum height of PV modules from roof level in meter | Minimum Height should be ≥ 300 mm from Ground | _____ MM/Mtr |
| 6 | Maximum height of PV modules from roof level in meter | | _____ MM/Mtr |

Details of DCDB:

| Sr. | Observation | Please Mark/ Enter Relevant Block | Declaration |
|-----|--|--------------------------------------|-----------------------|
| 1. | DCDB Installation | Outdoor (IP65) or indoor (IP64) type | Outdoor / Indoor type |
| 2. | Surge Protection device (SPD) | Provided or not? | Provided / Not |
| 3 | Make, Model, Sr. No., capacity of DCDB | | |

Details of ACDB:

| Sr. | Observation | Please Mark/ Enter Relevant Block | Declaration |
|-----|---|--------------------------------------|-----------------------|
| 1. | ACDB Installation | Outdoor (IP65) or indoor (IP64) type | Outdoor / Indoor type |
| 2. | Surge Protection device (SPD) available | Provided or not? | Provided / Not |
| 3. | Make, Model, Sr. No., Capacity of ACDB | | |

Lightning Arrester System* Details:

| | | |
|-----------------|---|--|
| L.A. Make | Type (Metal Oxide Variastors –MoVs/ Franklin Rod Type /Early Streamer Type) | Diameter and Length |
| Cable | 16 Sq. MM Cable or Equivalent used and Length | _____ Mtr 16 Sq. MM Cable/ Equivalent used |
| Earthing Rod | Diameter and Length of Electrode used for earthing | _____ mm dia and _____ mtr length |
| Earth filled by | GCIM Hygrolite chemical bag/other | _____ bag each of _____ Kg. |

*Data Sheet and Test Certificates of LA and Earthing Rod Attached or up loaded on GUVNL/TPL portal

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Details of Isolation Switch between Solar Generation Meter and main Switch of the customer (As per page 72 – clause 8 and page 75 clause 12.4 ii)

| Make | Sr. No. | Capacity | 2 pole / 4 pole |
|------|---------|----------|-----------------|
| | | | |

Details of Reverse Protection Relay (=NVR) for Solar Project More than 10 KW:

| Make | Sr. No. | Capacity | |
|------|---------|----------|--|
| | | | |

(Signature and Stamp of Empaneled Agency)

Attachments: **Same Serial** as per table below

| Sr. | Particulars | Tick if Attached |
|-----|---|------------------|
| 1 | Application Form (MoU) | |
| 2 | DISCOM Registration Letter | |
| 3 | Ownership Document | |
| 4 | Terrace Rights / Co-owner’s consent | |
| 5 | Power Purchase Agreement on Rs. 300/- stamp paper | |
| 6 | Bank Details Form with Cancelled Cheque and Pan Card copy | |
| 7 | CEI Drawing Approval and inspection report for Solar Project >10 KW | |
| 8 | In case of Common Service i.e. GHS/RWA (Against 3 and 4) | |
| | Require Request letter on Society letter head (as per Format which is available TPL portal) with Society Registration certificate copy and Society Resolution | |