**FORM- 6 : Joint Inspection Report**

TP WESTERN ODISHA DISTRIBUTION LIMIT

Ref. Registration No.:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Certified that I Divisional Engineer/Authorized Officer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Division, TPWODL along with EMR and MRT have personally inspected the …..Kwp SRTPV system at………………………..on date… The details of inspection report are as below:

|  |  |  |
| --- | --- | --- |
| **Inspection Report for ……. KWp Solar Roof Top PV System (SRTPV) at ………** | | |
| **Sl. No.** | **Parameter** | **Utility Observation** |
| **A** | **Applicant Details** | |
| 1 | Name of the Applicant |  |
| 2 | Application No./Regisration No. with Date |  |
| 2 | Address |  |
| 3 | Consumer Number |  |
| 4 | Consumer Category |  |
| 5 | Type of Connection: 1ph LT or 3 ph LT/HT |  |
| 6 | contract demand of consumer |  |
| 7 | Arrear, if any |  |
| **B** | **Distribution Transformer Details** | |
| 1 | Capacity in KVA |  |
| 2 | Location |  |
| 3 | Total Capacity of rooftop solar photovoltaic systems already connected to the Distribution Transformer in kWp (individual capacity may be  mentioned) |  |
| 4 | Whether the transformer capacity is adequate to deliver the proposed Solar rooftop PV system in addition to existing SRTPV systems | **Yes/No** |
| **C** | **Solar Rooftop PV Power Plant Details** | |
| 1 | Details of proposed power plant   1. Capacity of the SPV Power Plant (kWp) 2. Plant proposed at single site/multiple sites 3. Interconnection with the electricity network at single point or multiple point |  |
| 2 | Whether the Single Line Diagram of the SRTPV System(Submitted by the consumer indicating all the Safety aspects of Grid Connectivity) is OK for grid Connectivity | **YES/NO**  **(if it is no, state reasons for the same and suggest alternate arrangements )** |

|  |  |  |
| --- | --- | --- |
| **D** | **Grid Tied Inverter** | |
| 1 | Make |  |
| 2 | Serial No. |  |
| 3 | Capacity |  |
| 4 | Input Voltage/ Output Voltage |  |
| 5 | Whether Anti-islanding feature is in working  condition | **Need to be checked practically before**  **charging** |

|  |  |  |  |
| --- | --- | --- | --- |
| 6 | Date of installation |  | |
| **E** | **P.V Module** | | |
| 1 | Make |  | |
| 2 | Serial No. |  | |
| 3 | Type of Module |  | |
| 4 | Capacity of each Module |  | |
| 5 | No. of Module |  | |
| 6 | Total capacity of Module |  | |
| 7 | Date of installation |  | |
| **F** | **Earthing Verification (i)D.C Earthing (ii)A.C Earthing** | 1. **… in Ohm** 2. **in Ohm**   **Within permissible limit or Not**  **(Values should be certified by contractor**  **with HV Supervisory licence)** | |
| **G** | Details of protective system available | 1. **AC & DC DB: Yes/No** 2. **Manual Switch at Solar Side: Yes/No (iii)Relay operated automatic switch at net- meter side: Yes/ No** | |
| **H** | Details of protection system provided to prevent  back feeding from DG/ Battery/Inverter any other |  | |
| **I** | EIC inspection and approval letter Submitted by the  consumer above 50KVA | **Yes/ No** | |
| **J** | Safety certificate from designated Safety officer of  TPWODL below 50KVA | **Yes/No** | |
| **K** | Work Completion Report of SRTPV by consumer | **Yes/ No** | |
| **L** | Test report of all component of SRTPV system (including inverter) is as per CEA/OERC regulation  and IS/ BIS standards | **Yes/NO** | |
| **M** | Meter Details | **Net Meter**  **(Bi-directional Meter)** | **Solar Generation Meter (Details of all**  **Solar meters)** |
| **1** | Total Nos. of Meters |  |  |
| 2 | Meter Make |  |  |
| 3 | Meter Sl. No. |  |  |
| 4 | 1 Ph/ 3Ph |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 5 | Capacity |  |  |
| 6 | Meter Constant |  |  |
| **N** | Any other necessary details with Remarks |  | |
| **Inspection Report** | | | |
| **Whether this installed SRTPV system is satisfactory for grid connectivity/ Synchronization** | | **Yes/No**  **(if it is not satisfactory, state reasons for the same and suggest alternate arrangements required to evacuate**  **power from the SRTPV system)** | |

|  |  |  |
| --- | --- | --- |
| Executive Engineer | MRT Officer | E&MR Officer |
| Designation and seal  Superintending Engineer | Designation and Seal | Designation &Seal |