Format – 8

**CHAMUNDESHWARI ELECTRICITY SUPPLY CORPORATION LIMITED, MYSORE**

(A Government, of Karnataka Undertaking)

Office of the

Telephone:

Email ID:

**Ref No.: Date** :

CHECKLIST FOR SOLAR ROOFTOP PV GRID SAFETY QUALIFICATION

1. Solar RTPV - Customer and Location Data:

|  |  |  |
| --- | --- | --- |
| 1 | Consumer Name |  |
| 2. | Address |  |
| 3. | RR No. |  |
| 4. | Customer Contact- Email |  |
| 5. | Customer Contact- Mobile no. |  |
| 6. | SRTPV Installer - Name & address |  |
| 7. | CESC- officer in Charge |  |

1. Component Inspection Checklist :

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl**  **No.** | **Item type** | **YES** | **NO** |
| 1 | Installation layout - is it as per drawing? |  |  |
| 2. | Inverter IS / IEC standards qualified |  |  |
| 3. | PV panel IS / IEC standards qualified |  |  |
| 4. | PV isolators/PV cables IS/ IEC standards qualified |  |  |
| 5. | AC disconnect manual switch provided |  |  |
| 6. | Meters from MT staff approved? (as per meter regulations) |  |  |
| 7. | Any other critical component IS / IEC standards certified |  |  |

1. Grid -Functional Safety Checklist

| **Sl**  **No.** | **Item type** | **YES** | **NO** |
| --- | --- | --- | --- |
| 1 | Check-PV inverter anti islanding (utility side).  Disconnect Grid and check whether PV generator seizes Generation immediately. |  |  |
| **Sl**  **No.** | **Item type** | **YES** | **NO** |
| 2. | Check Reconnect time.: Reconnecting to the Grid, PV generator reconnects to grid with minimum 60 seconds later (Single phase) or minimum 300 seconds later( Three phase connectivity) |  |  |
| 3. | Bi-directional flow recorded on CESC Meter |  |  |
| 4. | Consumption ( Import only) mode ok? |  |  |
| 5. | PV inverter anti islanding tested at array side |  |  |
| 6. | Solar Generation meter OK? |  |  |
| 7. | Check all earthing provided at ACDB/DCDB/LA |  |  |

**Certificate:** I hereby certify that, the PV installation is qualified to be connected to CESC Grid.

AEE/Executive Engineer(Ele),

O&M sub-div/division,

CESC