## Name of Empanelled Agency: Bapa Sitaram Renewable Energy

Basic System Information:

GUVNL Registration Number: {{ guvnl\_registration\_number }}

Customer Name: {{ customer\_name }}

Consumer No : {{ consumer\_number }} Circle: {{ circle }} Division: {{ division }} Sub-Division: {{ sub-division }}

Address: {{ address }}

Contracted Load: {{ current\_sanctioned\_load }} KW {{ current\_phase }} Phase

PV Registration Capacity at GUVNL Portal: {{ total\_kilowatts }} KW {{ installation\_phase }} 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 | {{ solar\_module\_make }} | {{ solar\_module\_model\_number }} | {{ solar\_module\_type }} | {{ solar\_panel\_wattage }} | {{ number\_of\_panels }} | {{ total\_kilowatts }} |

* + Serial Nos. of PV modules attached separately
  + Copy of Pre- Dispatch Inspection report along with Serial Nos. of Modules.

1. Are the modules of Indian Make: ({{ panel\_indian }}) \*
2. Inverter Details:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Make of Inverter | Model No. | Type of Inverter (Single/Three phase)  and Voltage | Rated A.C. Output of Inverter in kilo Watt | Serial No. of Inverter | |
| {{ solar\_inverter\_make }} | {{ solar\_inverter\_model\_number }} | {{ installation\_phase }} | {{ solar\_inverter\_output }} KW | {{ solar\_inverter\_serial\_number }} | |
| Remote Monitoring System / Data Acquisition System provided or not? | | | | | ({{ rms\_das }})\* |
| SIM Mobile No. (If applicable) | | | | | |

\* Answer in YES or NO only.

# BOS material is used as above. After commissioning of solar system if any material & module found inferior then Tenders ’specification, we will be liable for replacement within 7 days on our cost & risk. And responsible for any legal consequences.

## Signature and Stamp

## of Electrical contractor

1. Test Results:
2. Earth Resistance Values:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| D C Side Earthing | 0.96 Ohm | A C Side Earthing | 0.94 Ohm | L.A.  Earthing | 0.97 Ohm |

1. Insulation Resistance Values:

|  |  |
| --- | --- |
| Phase to Earth | Phase to Phase |
| **414MΩ** | **409MΩ** |

1. All PV modules and its supporting structures, inverter, have enough mechanical strength and it conforms to the relevant codes/guidelines, as per EOI No: *(PGVCL/DSM/EOI/SRT/2019-20/01 Dated: 20/07/2019 & subsequent amendments.)*
2. 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.

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## Signature and Stamp

## of Electrical contractor

# Details of Module Mounting Structure (MMS):

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. | Particulars | Details | Declaration  (mention with YES/No) |
| 1. | Structure Material | Confirms to the relevant codes/guidelines, EOI No: PGVCL/DSM/EOI/SRT/2019-20/01 Dated: 20/07/2019 &  subsequent amendments. | {{ 1.1 }} |
| 2. | Fasteners, N&B, Clamps | All used made of Stainless Steel? | {{ 1.2 }} |
| 3. | Structure Steel Thickness | Confirms to the relevant codes/guidelines, EOI No: PGVCL/DSM/EOI/SRT/2019-20/01 Dated: 20/07/2019 &  subsequent amendments. | {{ 1.3 }} |
| 4 | Shadow Analysis Report | Whether attached? | {{ 1.4 }} |
| 5 | Success in Shadow  Analysis? |  | {{ 1.5 }} |
| 6 | Certification from certified Structural Engineer | Regarding Structural Stability and sustainability report attached? & Whether it Confirms to the relevant codes/guidelines, EOI No: PGVCL/DSM/EOI/SRT/2019-20/01  Dated: 20/07/2019 & subsequent amendments. | {{ 1.6 }} |
| 7 | Vendor’s Declaration | Regarding Structural Stability and sustainability report attached? & Whether it Confirms to the relevant codes/guidelines, EOI No: PGVCL/DSM/EOI/SRT/2019-20/01  Dated: 20/07/2019 & subsequent amendments. | {{ 1.7 }} |

Details of DCDB:

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. | Observation | Please Mark/ Enter Relevant Block | Declaration  (mention with YES/No) |
| 1. | DCDB Installation | Outdoor (IP65) or indoor (IP64) type | {{ 2.1 }} |
| 2. | Surge Protection device (SPD) | Provide? | {{ 2.2 }} |
| 3 | Make, Model, Sr. No., capacity of DCDB | {{ 2.3 }} | |

Details of ACDB:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Observation | Please Mark/ Enter Relevant Block | Declaration (mention with YES/No) |
| 1. | ACDB Installation | Outdoor (IP65) or indoor (IP64) type | {{ 3.1 }} |
| 2. | Surge Protection device (SPD) available | Provide? | {{ 3.2 }} |
| 3. | Make, Model, Sr. No., Capacity of ACDB | {{ 3.3 }} | |

Lightening Arrester System Details:

|  |  |  |
| --- | --- | --- |
| L.A. Make | Conforms to the relevant codes/guidelines, EOI No: PGVCL/DSM/EOI/SRT/2019-20/01 Dated: 20/07/2019 &  subsequent amendments. | (Diameter and Length)\* |
| Cable | Conforms to the relevant codes/guidelines, EOI No: PGVCL/DSM/EOI/SRT/2019-20/01 Dated: 20/07/2019 &  subsequent amendments. | (17 Mtr 16 Sq. MM Cable)\* |
| Earthing Rod | Diameter and Length of Electrode used for earthing | 17.5 mm dia and 1.5 mtr length |

\*Answer in Yes/No only

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tender’s specification, we will be liable for replacement within 7 days on our cost & risk. And responsible for any legal consequences.

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 |
| SCHNIDER | 15523 | 25 A | {{ pole }} |

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

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

# Please attach as per the below mentioned sequence:

|  |  |  |
| --- | --- | --- |
| Sr. | Particulars | Tick if Attached |
| 1 | Application Form ( MoU) | {{ 4.1 }} |
| 2 | DISCOM Registration Letter | {{ 4.2 }} |
| 3 | Ownership Document | {{ 4.3 }} |
| 4 | Terrace Rights / Co-owner’s consent (if applicable) | {{ 4.4 }} |
| 5 | Power Purchase Agreement on Rs. 300/- stamp paper | {{ 4.5 }} |
| 6 | Bank detail form | {{ 4.6 }} |
| 7 | Cancelled cheque of consumer | {{ 4.7 }} |
| 8 | Copy of PAN Card (If available) | {{ 4.8 }} |
| 9 | Shadow Analysis Report | {{ 4.9 }} |
| 10 | Certificate from certified Structural Engineer | {{ 4.10 }} |
| 11 | EA-declaration certificate for Structure | {{ 4.11 }} |
| 12 | CEI Drawing Approval and inspection report for Solar Project >10 KW | {{ 4.12 }} |
| 13 | In case of Common Service i.e. GHS/RWA (Against 3 and 4) | |
| * Society Registration Certificate | {{ 4.13 }} |
| * Resolution for election of President/Secretary | {{ 4.14 }} |
| * Resolution for installation of solar roof top and signing authority declaration. | {{ 4.15 }} |

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