



## ENERGY / POWER DEMAND QUESTIONNAIRE

### CUSTOMER'S DETAILS

Name:

Address:

Nature of Business:

Business Hours:

Coordinate:

### AUDITOR'S DETAILS

Name:

Audit Date:

Audit Period:

Audit Type:

### CUSTOMER INTAKE QUESTIONNAIRE

1. What is the reason you are looking to install a Solar PV system in your facility?

- ☐ Off Grid location, therefore, need reliable access to electricity supply ☐ Reduction in electricity bill
- ☐ Reduction in electricity bill and selling to the grid (Net Metering) ☐ Cutting carbon emissions and meeting green Energy targets
- ☐ Reduction in generator fuel consumption and generator running cost ☐ Moving to 100% Renewable Energy
- ☐ Others (Please specify):

2. What are the coordinates of your site location? This will help us easily identify the site location.   
(On Google maps, scroll to proposed location, right click, then select 'What's here?'. Enter the displayed GPS location e.g. 38.897670, -77.036535)

3. What type of space is available for Solar PV panels installation?

- ☐ ROOFTOP SPACE ☐ GROUND SPACE

4. What is the area of space available for Solar PV panels installation in meters square (m<sup>2</sup>)? installation?

Rooftop Space:  Ground Space:

5. What is your estimated monthly energy consumption in kWh or units:

6. What are your sources of Electricity?

- ☐ NATIONAL GRID ☐ GENERATOR ☐ SOLAR / INVERTER / UPS / BATTERY
- ☐ Others (Please specify):

7. Specify the quantity and power ratings of your sources of Electricity?

#### NATIONAL GRID

Quantity:

Rating 1:

Rating 2:

Rating 3:

#### GENERATOR

Quantity:

Rating 1:

Rating 2:

Rating 3:

#### SOLAR / INVERTER / UPS / BATTERY

Quantity:

Rating 1:

Rating 2:

Rating 3:

8. What are your tie-in voltages for each power supply source?

National Grid:  Generator:  Solar / Inverter / Battery:

9. What are the percentages (%) of electricity supplied by each source?

National Grid:  Generator:  Solar / Inverter / Battery:

10. Specify your expenses on power supply from each source?

NATIONAL GRID	GENERATOR
Unit Tariff (=N= per kWh): <input type="text"/>	Rate (=N= per Litres): <input type="text"/>
Monthly Consumption (kWh): <input type="text"/>	Monthly Consumption (Litres): <input type="text"/>
Average Monthly Amount: (=N=): <input type="text"/>	Average Monthly Amount: (=N=): <input type="text"/>

11. Specify the following distances for AC and DC cable measurements?

- A. Distance between proposed Inverter room and your power room (AC input/output cable length):
- B. Distance between the roof and the Inverter room (PV DC cable home run Length):

12. Specify your soil resistivity test reading in ( $\Omega$ -m):

#### LOAD COUNT

SN	EQUIPMENT	POWER (W)	QTY	TOTAL POWER (W)
1.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
9.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
13.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
14.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
16.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
17.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
18.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
19.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
20.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
21.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
22.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
24.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
25.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### 13. Power Quality Measurements:

#### A. GRID POWER SUPPLY

<b>PHASE VOLTAGES (V)</b> L1 - N: <input type="text"/> L2 - N: <input type="text"/> L3 - N: <input type="text"/> N - E: <input type="text"/>	<b>LINE VOLTAGES (V)</b> L1 - L2: <input type="text"/> L1 - L3: <input type="text"/> L2 - L3: <input type="text"/>	<b>LINE CURRENTS (A)</b> L1: <input type="text"/> L2: <input type="text"/> L3: <input type="text"/> N: <input type="text"/>	<b>FREQUENCY (Hz)</b> <input type="text"/>  <b>POWER FACTOR</b> <input type="text"/>
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#### B. GENERATOR POWER SUPPLY

<b>PHASE VOLTAGES (V)</b> L1 - N: <input type="text"/> L2 - N: <input type="text"/> L3 - N: <input type="text"/> N - E: <input type="text"/>	<b>LINE VOLTAGES (V)</b> L1 - L2: <input type="text"/> L1 - L3: <input type="text"/> L2 - L3: <input type="text"/>	<b>LINE CURRENTS (A)</b> L1: <input type="text"/> L2: <input type="text"/> L3: <input type="text"/> N: <input type="text"/>	<b>FREQUENCY (Hz)</b> <input type="text"/>  <b>POWER FACTOR</b> <input type="text"/>
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#### HOURLY POWER (kW) PROFILE

HOURS	MON.	TUE.	WED.	THU.	FRI.	SAT.	SUN.
0.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
9.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
13.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
14.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
16.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
17.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
18.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
19.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
20.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
21.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
22.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
23.00	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

14. Select the documents you have attach as Appendix

- ☐ 1. Customer single line diagram
- ☐ 2. Customer roof structural drawing and loading (if roof installation)
- ☐ 3. Customer land geotechnical and topography reports (if land installation)
- ☐ 4. Customer load profile and power factor
- ☐ 5. Generator and control panel datasheet
- ☐ 6. Connection panel SLD

15. Pictures
