

Annex 1 - Detailed Description of the Facility

[This section should be filled and submitted upon submission of the Certificate of installation and as-made schematic diagram]

The Facility is a Small-Scale Distributed Generator (SSDG) solar photovoltaic system of _____ [Insert proposed solar PV export capacity] **kW** installed capacity, with a battery energy storage system of _____ **kWh** [Insert battery capacity as applicable] capacity, and is registered initially under the electricity Contract Account bearing number _____ [Insert Contract Account number as on electricity bill] and now under the SSDG Contract Account bearing number _____ [Leave blank]. Among others, the Facility comprises of solar photovoltaic modules, inverter(s) and, where mandatory, battery energy storage system.

The facility will be capped at _____ **kWac** [Leave blank] and shall not be altered under any circumstances. The opted metering principle shall be _____ [Insert Gross Metering or Net Metering]

Information on the characteristics of the main components of the Facility is as follows:

Solar PV Panels of the Facility

The Facility will comprise of the following solar PV panels:

Equipment	Make/Model	Rating (W)	Quantity
Solar Photovoltaic Modules			

[Fill in above table for solar PV modules at time of installation]

Inverters of the Facility

The Facility will comprise of the following inverters:

Make	
Model	
Rated Apparent Power /kW	
Number of inverters	

[Fill in above table for inverters at time of installation]

Information on Battery Energy Storage System (BESS) (if applicable)

	Type/Make/Model/Country of Origin	Rating	Quantity
Batteries			
Batteries Inverter			

Maximum Rated Capacity (kW)	
Stored Energy Capacity (kWh)	
Grid Forming Inverter	(Y/N)
Battery Connection (AC Coupling or DC Coupling)	

[Fill in above table for BESS at time of installation]

I hereby certify that the SSDG installation comprises the above equipment. The Certificate of Installation is herewith annexed.

Title: **Mr./Mrs./ Ms.**

Name: _____ *[Insert name of Prosumer]*

NIC / Passport No.: _____ *[Insert NIC / Passport number of Prosumer]*

Signature: _____

Date: _____

Acknowledgment of Receipt by CEB (For Office Use)

Customer Services Representative Name: _____

Signature: _____

Date: _____

CERTIFICATE OF INSTALLATION

I hereby certify that the installation of the SSDG of Capacity [.....] kW, with BESS of , [.....] kW, [.....] kWh situated at address [.....] for Applicant [.....] has been done as per the requirements of the SSDG Grid Code (Ver. 3.0) and as per attached detailed schematic diagram.

The **inverter trip settings and power limitation parameters** have been configured in accordance with the approved settings, as detailed below. Furthermore, the battery system & overall installation is certified as **safe for operation** at the location where it has been installed on the customer's premises.

1. The details of the equipment installed are as follows:

Equipment	Make/Model	Rating (W) & (kWh)	Quantity
Photovoltaic Modules			
Inverter			
Battery Energy Storage System			

2. The inverter has been set as per the following settings:

Protection Parameters Settings	Trip Setting	Clearance Time	Trip Indication
Over Voltage ^(a) (230 V + 10 %)			
Over Voltage (230 V + 6 %)			
Under Voltage (230 V – 6 %)			
Over Frequency ^(b) (50 Hz + 2 %)			
Under Frequency (50 Hz - 6 %)			
Loss of Mains (df/dt - Vector shift)			
Reconnection Time			
Power Limitation on Power Exported to Grid (W)			
Line impedance (ohm)			

3. Mode of Operation

Describe in detail the mode of operation of the DG as configured

Name of Certified Installer:(Company Seal)

Signature of Certified Installer: Date:

Name of Applicant:

Signature of Applicant: Date: