

Sample of Preliminary Renewable Energy System Information and Single-line Electrical Diagram

Reference number: _____

Details of PV Panels: (Please circle where appropriate)	
Peak Power (W)	
Total Panel Area (sqm)	
Total No. of PV Panels (pcs)	
Total PV Panel Power (kW)	
Total PV Panel Power (DC) \leq 133% of Inverter's Rated Output Power (AC) #	Yes/No

Details of Inverter: (Please circle where appropriate)	
Rated Output Power (kW)	
No. of Phase	1 phase/ 3 phase
Over-voltage & under-voltage protection *	Yes/No
Voltage Ride Through Capability *	Yes/No

RE System Configuration: (Please circle where appropriate)	
Rated Output Power (kW)	
Rated Output Voltage (V)	
Rated Output Current (A)	
No. of Phase	1 phase/ 3 phase

Customer information: (Please circle where appropriate)	
Main Switch (Incomer) rating (A)	
Incomer No. of Phase	1 phase/ 3 phase
CLP Revenue Meter No.	
CLP Account No.	

Contractor information	
Contractor's name	
Contractor's signature	

Single-line electrical diagrams (RE Schematic & Main Electrical Schematic)

Remarks:

1. The Rated Output Current of the RE System must be less than or equal to the customer's Main Switch rating.
2. Three-phase RE System cannot be connected to single-phase main switch.
3. # For PV panels connecting to inverter, "Total PV Panel Power" must be within either 133% of the inverter's "Rated Output Power (AC)" or the inverter's "Maximum Input Power (DC)", whichever is lower.
4. * Comply with CLP's Technical Design Notes/Grid Connection Requirements. Starting from 1st March 2021, all RES/FiT applications must incorporate over-voltage protection, under-voltage protection and voltage ride through capability.