

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) |
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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.