

BILL OF QUANTITY



PROJECT	Company Name- Rooftop Solar Project			
DATE	00 - MAY - 00			
CREATED BY	ezysolare			
REVIEWED BY	ezysolare			
Item	Description	Actual Qty.	Contingency %Age	Unit
MODULE				
Solar PV Module (BenQ 327Wp)	PM096B00 327 Wp			No.
INVERTER				
Refusol 20k	20 kW inverter			No.
Refusol 13k	13 kW invetrer			No.
DC PROTECTION BOX				
6 IN 6 OUT	SPD and input fuses, IP65			No.
4 IN 4 OUT	SPD and input fuses, IP65			No.
MOUNTING STRUCTURES				
			Weight Of Structure In kg	
1 X 10 config.	<i>To be shared separately</i>			kg
1 X 8 config.				kg
1 X 6 config.				kg
1 X 4 config.				kg
CABLES				
DC Cable	1 Core, 6 Sqmm, Annealed Tinned flexible copper conductor, EBXL Solar Cable			m
AC Cable	1 run ,1 core, 10 Sqmm,(per phase) Armoured, Tinned flexible copper, 1.1kV XLPE Solar cable			m
	3.5 C,120 Sqmm, Armoured, Aluminium, 1.1kV XLPE Solar cable			m
	3.5 C,185 Sqmm, Armoured, Aluminium, 1.1kV XLPE Solar cable			m
EARTHING & FIXING ACCESSORIES				
GI Stips	25 x 3 sqmm GI stips for earthing			m
Nuts and Bolts		As required at site		No.
Earthing Compound	Free backfill earthing Compound (20 kg per Pit)			kg
Earthing Pit				No.
Earthing Rod	50 mm dia 3 meter length Hot GI pipes			No.
PVC Conduits for DC cable & fixing accessories	25 mm DIA			m
PVC conduits for 10 sq mm AC cable	100 mm DIA			m
Clamps for the conduits of 10 Sq mm AC cable	At every 4 meters			No.
MC4 connector set	Compatible with module			No.
Weather monitoring System	Remote monitoring, Data logger, Wind speed sensor, Ampient temperature sensor.			No.
LIGHTING ARRESTER				
	65 meter Radius			No.
	60 meter Radius			No.
COMMUNICATION CABLE				
	Compatible with Inverter and RS 485 Port			m
HDPE pipe for comm. Cable	1 inch ID			m
AC DISTRIBUTION BOARD				
AC Distribution Board (5IN 1Out) (one input is spare)				
	Aluminium Bus Bar (415V 3Ph ,250A ,10kA/Sec)			No.
	I/C feeder shall be 40A TP MCB operated with neutral link suitable for termination directly in bus bar via 10Sqmm PVC insulated copper cable through BiMetallic Lugs			No.

	O/G Feeder shall be 250A FP microprocessor controlled MCCB operated suitable for termination directly in Bus Bar via 3.5C x 120sqmm PVC insulated aluminium cable through Metallic Lugs. FP MCCB shall be suitable for O/C,E/F and S/C protection			No.
	SPD at Outgoing Feeder (260A)			No.
	Class 1 energy meter,415V415V 3Ph ,250A/5A at outgoing feeder			No.
	Analog Voltmeter (0-500V AC)			No.
	Analog Ammeter (0-400A AC)			No.
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Cable Ties, Route Markers & Ferrules	As per industry standards			No.