

ANNEX-B
BILL OF QUANTITIES

S.NO	DESCRIPTION	UNIT	QTY
1	Supply and Erection of Solar PV Module 5Kw Solar System Solar Panels Canadian Solar / JA Solar / Longi Solar 545 Watt (#10) A-Grade (per Watt) (As per Approved Specifications)	Watt	5000
2	Supply and Erection of hot dipped (80 microns Average) galvanized steel of minimum thickness of 12 SWG / 2.64 mm Channel / Pipe or 8 SWG / 4.06 mm Angle Mounting structure fixed with Rovel bolt 3" in roof with 1'x 1' concrete with 1:2:4 as per instruction	Job	1
3	Supply and Erection of off Grid Hybrid inverter Solar Inverters Good We / Sungrow / Huawei / Infini Online Central Monitoring Safety Equipment ABB / Schneider	Per Watt	5000
4	Supply and Erection of 12 V Lithium LiFeP04 battery per KWhr CNC including Latium Batteries , standing box for batteries/5kw system ,	KWhr	12
5	Drilling of earth bore 3" dia 70 to 80 ft. deep or up to permanent water table, back filling, ramming, complete in all respect. grounding bores shall be made at 6 to 8 feet away from foundation and distance between earth bore shall not be less than 10 feet	Each	1

6	LT 220V AC DBs and MDB shall be made from 16 SWG sheet steel. This shall be designed, fabricated and manufactured as a wall mounted. The sheet metal work shall be cleaned down to bare shining metal degreased, derusted and painted with TWO base coats of antirust RED paint. The sheet metal work shall be finished in TWO coats of powder paint. The color and shade shall be as approved by the Engineer. The distribution Board shall be complete with all internal wirings, tags, identification labels, copper busbars, accessories etc. The bus-bars shall be insulated. Supply of Main distribtuon Borad 16 SWG 4'x 3' with meters . Supply and Erection of 1x1 ft 4mm Copper Earthing Plate ,Supply and Erection of Stainless Steel Nuts and Bolts,Supply and Erection MC4 connector (TUV Approved),Supply and Erection MC4 Branch connector ,Supply and Erection 2x16 sq.mm Copper cable,Supply and Erection 2x6 sq.mm flexible copper cable ,Supply and Erection PVC flexible pipe : 1.5" i/d,PVC conduit for surface wiring (duraduct) 1" including all charges for nail screws etc,Supply & erection of Earth Rod,Supply & erection of Earthing wire GSL 6 mm,Supply and Erection 1x6 sq.mm single core (XPLE/XPLO insulated/PCV sheathed) flexible copper cable,Supply and Erection of BOX / STAND for Batteries SHS Inverter & Charge Controller The insulation shall be heat shrinkable type or as directed by the Engineer.		
7	ELEC-DB		
	1 No. 32 Amps DP MCCB RC=10KA		
	01 Nos. Cu Bus Bars complete with Nut & bolts, washers/ insulation.		
	01 Nos. Earth Bus Bar		
	01 Nos. Neutral Bus Bar		
	OUTGOINGS		
	6 Nos. 20 Amps SP MCB RC-6kA.	Job	1
8	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	20
9	Supply, installation, testing & commissioning of the DC Circuit Breakers (2 P , 80 A) with all mounting accessories Along with weather proof enclouser complete in all respect.(for Batteries)	Job.	1