

BILL OF QUANTITY					
Sr no	ITEM DESCRIPTION	QTY	Per	Rate	Amount
1	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead. (Dense or Hard soil)	1.00	Cu.mt		
2	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (B) Walls, from top of foundation level upto floor two level	1.00	Cu.mt		
3	Providing Fabrication & erection of steel structure as per drawings including materials, consisting of plates, rolled steel joists, channels, angles, chequered plates etc and also rectangular / square hollow steel sections, insert plates in RCC/Brickwork, anchor bolts for steel structure, sleeve pipes, anchor nuts, washers etc, straightening of raw steel if required, fabrication of steel structures with primer and minimum two coats of anti corrosive matt finish paint including preparation of supplementary sketches and detailed bill of materials supply of bolts, nuts, washers, shims, packs, putty. gas, welding electrodes and all other consumables, as required and carrying out surface preparation all complete. The scope includes loading, transportation ,unloading and delivery and erection site of all fabricated structures,, alignment and welding of all structures true to line, level, plumb and dimension, including rectification if any, splicing, site assembly all as per technical specifications and drawings, ,all complete. , the detailed drawing, approved sample and instruction of EIC.	3850.00	KG		

4	<p>Supply, Installation, Testing & Commissioning of following size of Grid Tied Solar Power Plant with Solar Panels (ALMM approved): Frame Material : Anodized Aluminum alloy Frame With Twin Wall Profile, Front Solar Panels (ALMM approved): Frame Material : Anodized Aluminum alloy Frame With Twin Wall Profile, Front Cover : High Transmission Low-Iron Tempered Glass (AR Coated), High efficiency and positive power tolerance Pmax: 0/+5,Module Efficiency should be approx. 18%-21%, Normal operating temperature 45'C, Junction Box with Waterproof IP67 & MC4 Compatible and Enclosed with Bypass diodes, 100% Electroluminescence test to ensure error free Modules, Thep. temp. co-efficient of the PV module shall equal or better than - 0.45%/degree C. Solar PV modules of minimum fill factor 75% to be used. Unit Production:- 4 to 5 Unit /kw /day (Actual)(1Year Avg) With 10 year Product warranty and 25 year Linear Power Warranty.Solar Inverter: MPPT Range: 80-1000 V, Max efficiency: 97.5% - 98.9%, O/p Frequency: 50/60Hz, Operating Altitude (m) ≤4000, O/p Power Factor: ~1, O/P THDi: <3%, Operating Temperature Range: -25~60°C, Anti-islanding Protection: Integrated, Input Reverse Polarity Protection Integrated, Insulation Resistor Detection Integrated, Residual Current Monitoring Unit Integrated, Output Over Current Protection Integrated, Output Short Circuit Protection Integrated, Output Over Voltage Protection Integrated, Protection Degree: IP65, User Interface LCD & APP .Datalogger & communication:-GPRS /Wi-fi ,Module mounting structure:-seamless 40*60*2mm:- horizontal & 40*80*2mm-verical box pipe for rooftop & verical channel solar installation with good stability against wind & weight load .hot dipped galvanized steel coils.suitable arrangement for base plaste for foundation 1:2:4 with grouting with excavation.solar panel mounting,the structure should be suitable for carry the load of solar panel ,wiring etc.with necessary foundation work/wall mount,j bolt,anchor fastner etc.the nut bolt used for installtion of structure should be(SS 304) quality and balance of system with necessary swithgear(suitable size and protection of ACDB & DCDB),inter connecting wiring,earting system,lightining arrester system,Panel Auto Cleaning System and Bidirectional Meter to solar plant aluminium armoured</p>	25.00	KW		
	Total				