



Energy Matrix (Pvt) Ltd.

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**Your Future with Solar”**

**Quotation For 08-KW single Phase Hybrid Normal Structure Solar System**



KW                      8.12  
Solar Yield ~ MWhr / Yr    13.51168

No		SPECS	Qty.
1	Nitrox hybrid inverter as per data sheet	06 KW	1
2	SOLAR PANELS A Grade others TUV certified , ISO 9001 , Conformance to EN 61215 EN 61730; ( Nano Coating for Antidusting ) Tier 1 Longi Himo 6	500-590 watt	14
3	G.I iron 14 guage with MS nut bolts	For 8 KW	7
4	Panels DC wiring TUV , combiners boxes	For 8 KW	1
5	WIRING & Circuit breakers , conduits , etc	For 8 KW	1
6	Designing and installation	For 8 KW	1
7	AC wires,battery wires etc	For 8 KW	1
8	Material handling and transportaion within city	For 8 KW	1
9	One year after sales services	For 8 KW	1
10	Tall Tubular battery Battery for 6400 Watt @60% D.O,D one hour back up	230 AH	4
11	Misc		

Space required :

893.2 sq feet

System Weight :

2436 Kg ( ~ 3 Kg / sq ft )



### B.O.Q

Sr. No	Description		
1	LONGI or JINKO Solar 545-580-Wp Mono PERC Crystalline or Equivalent Solar Panel Double glass Tier one Manufacturer of A-Grade Panels data sheet attached	As per quote	
2	G.I sheet 14 guage with MS nut bolts	As per quote	
3	Inverex/Solar max/Max Power hybrid Inverter with 01 year warranty	As per quote	
4	Tall Tubular batteries	As per quote	
5	DC Circuit Breaker Solar 100V/62A, CNC or Equal	1 Lot	
6	SPD , Disconnect switch,Fuses etc CNC or equal		
7	Change Over Switch 40A-100A Made in China		
8	Distribution Box (Iron D.B.) Local fabricated 16 guage A grade		
9	AC Circuit Breaker Input 230V/63A, CNC or Equivalent		
10	AC Circuit Breaker Output 230V/40A, CNC or Equivalent		
11	PV Connector MC4		
12	PV Connector Y2		
13	Cable Duct as per requirement		
14	PVC Pipe, Joint, Elbow and Connectors ( As required) Popular		
15	Flexible Cable 4mm <sup>2</sup> for Solar, Tin coated especially designed fo solar projects double pvc	1 Lot	
16	Flexible Cable 16 mm <sup>2</sup> for Earthing Imported or equivalent		
17	Traansportataion and material handling		
18	Miscllaneous items for execution	1	Job
	Note. B.O.Q is tentative and may varies as per the site		



### Load Management

	Watts	Qty	Total
A.C 2.0 ton	2100	0	0
A.C 1.5 ton	1500	3	4500
Refrigerator Invertor	750	1	750
Fans	100	4	400
LED lights	7	20	140
LED TV	50	1	50
Others	100	1	100
			5940



### B.O.Q

Sr. No	Description		
1	LONGI HIMO 7/Jinko N Type /Canadian Solar N type 6 565-590-Wp Mono PERC Crystalline or Equivalent Solar Panel Tier 1 Manufacturer of A-Grade Panels data sheet attached	As per quote	
2	G.I sheet 14 guage with MS nut bolts	As per quote	
3	SOLIS/Growatt with 05 years warranty	As per quote	
4	DC Circuit Breaker Solar 100V/62A, CNC or Equal	1 Lot	
5	SPD , Disconnect switch,Fuses etc CNC or equal		
6	Change Over Switch 40A-100A Made in China		
7	Distribution Box (Iron D.B.) Local fabricated 16 guage A grade		
8	AC Circuit Breaker Input 230V/63A, CNC or Equivalent		
9	AC Circuit Breaker Output 230V/40A, CNC or Equivalent		
10	PV Connector MC4		
11	PV Connector Y2		
12	Cable Duct as per requirement		
13	PVC Pipe, Joint, Elbow and Connectors ( As required) Popular		
14	Flexible Cable 4 mm <sup>2</sup> for Solar, Tin coated especially designed fo solar projects double pvc	1 Lot	
15	Flexible Cable 16 mm <sup>2</sup> for Earthing Imported or equivalent		
17	Traansportataion and material handling		
18	Miscllaneous items for execution	1	Job
	Note. B.O.Q is tentative and may varies as per the site		