



Energy Matrix (Pvt)Ltd.

“Your Future with Solar”

Quotation For 05-KW single Phase Hybrid Normal Structure Solar System

KW

4.6

Solar Yield ~ MWhr / Yr 10.68288

No		SPECS	Qty.
1	Nitrox with 05 years warranty	6	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	8
3	G.I 14 guage frame with MS Nut Bolts	For 05 KW	4
4	Panels DC wiring TUV , combiners boxes	For 05 KW	1
5	WIRING & Circuit breakers , conduits , etc	For 05 KW	1
6	Designing and installation	For 05 KW	1
7	AC wires,battery wires etc	For 05 KW	1
8	Material handling and transportaion within city	For 05 KW	1
9	One year after sales services	For 05 KW	1
10	Tall Tubular Battery for 3500Watt @60% D.O,D One hour back up	185 AH	4
11	Misc		

Space required :

510.4 sq feet

System Weight :

1926 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 ² for Solar, Tin coated especially designed fo solar projects double pvc	1	Lot
16	Flexible Cable 16 mm ² 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	2	3000
Refrigerator Invertor	250	1	250
Fans	100	4	400
LED lights	7	6	42
LED TV	50	1	50
Others	100	0	0
			3742



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 ² for Solar, Tin coated especially designed fo solar projects double pvc	1 Lot	
15	Flexible Cable 16 mm ² 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		