



Energy Matrix (Pvt)Ltd.

“Your Future with Solar”

Quotation For 08-KW Three Phase Hybrid Normal Structure Solar System

KW

11.6

Solar Yield ~ MWhr / Yr 19.3024

No		SPECS	Qty.
1	Nitrox hybrid inverter as per data sheet	12 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	535-590 watt	20
3	G.I iron 14 guage with MS nut bolts	For 12 KW	10
4	Panels DC wiring TUV , combiners boxes	For 12 KW	1
5	WIRING & Circuit breakers , conduits , etc	For 12 KW	1
6	Designing and installation	For 12 KW	1
7	AC wires,battery wires etc	For 12 KW	1
8	Freight and local transportation	For 12 KW	1
9	One year after sales services	For 12 KW	1
10	Tall Tubular Battery for 8400 Watt @60% D.O,D one hour back up	290 AH	4
11	Misc		

Space required :

1392 `

System Weight :

3480 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	5	7500
Refrigerator		750	1	750
Fans		100	6	600
LED lights		7	10	70
LED TV		50	1	50
Others		100	1	100
				9070



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		