



# Energy Matrix (Pvt)Ltd.

## Your Future with Solar”

### Quotation For 15-KW Three Phase Hybrid Normal Structure Solar System

KW

15.08

Solar Yield ~ MWhr / Yr 25.09312

| 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 | 26   |
| 3  | G.I iron 14 guage with MS nut bolts   | For 15 KW    | 13   |
| 4  | Panels DC wiring TUV , combiners boxes  | For 15 KW    | 1    |
| 5  | WIRING & Circuit breakers , conduits , etc  | For 15 KW    | 1    |
| 6  | Designing and installation  | For 15 KW    | 1    |
| 7  | AC wires,battery wires etc  | For 15 KW    | 1    |
| 8  | Freight and local transportation  | For 15 KW    | 1    |
| 9  | One year after sales services   | For 15 KW    | 1    |
| 10 | Tall Tubular Battery for10000 Watt @60% D.O,D one hour back up  | 290 AH       | 4    |
| 11 | Misc  |              |      |
|    |   |              |      |

Space required : 1809.6 `

System Weight : 4524 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   | 1            | Lot |
| 15     | Flexible Cable 4mm <sup>2</sup> for Solar, Tin coated especially designed fo solar projects double pvc   |              |     |
| 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  | 6   | 9000  |
| Refrigerator | 750   | 1   | 750   |
| Fans         | 100   | 6   | 600   |
| LED lights   | 7     | 10  | 70    |
| LED TV       | 50    | 1   | 50    |
| Others       | 100   | 1   | 100   |
|              |       |     | 10570 |



### 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        |     |
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