**Technical Specifications for Goods:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **4KW SOLAR POWER SYSTEM** | | | | | | | | |
| **S/N** | **Items** | **Specification** | **Unit** | **Qty** | **Brand** | **Country of Origin** | **Unit Price** | **Total Price** |
| 1 | Inverter | 4KW/48V Pure sine wave | PCS | 1 |  |  |  |  |
| 230V/50Hz, with remote |
| 2 | Solar panels | 350W 24V Monocrystalline | PCS | 12 |  |  |  |  |
| 3 | Charge controller | 150V/70A MPPT | PCS | 1 |  |  |  |  |
| 4 | solar cables | 6mm 2core flexible cable | PCS | 100 |  |  |  |  |
| 5 | Solar combiner box | 3Way 1000V | PCS | 1 |  |  |  |  |
| 6 | Solar mount | Solar car port 4x6x8m with | PCS | 1 |  |  |  |  |
| galvanized construction |
| 7 | Charge controller to battery cable | 35mm flexible | PCS | 10 |  |  |  |  |
| 8 | Solar connectors | MC4 connectors sets | PCS | 12 |  |  |  |  |
| 9 | Battery | 12V/200AH sealed-lead acid with accessories | PCS | 8 |  |  |  |  |
|  |
| 10 | Battery rack | Galvanized iron stand | PCS | 1 |  |  |  |  |
| 11 | Battery disconnects | DC disconnect 160A | PCS | 1 |  |  |  |  |
| 12 | Output breaker | 63A 2pole breaker | PCS | 3 |  |  |  |  |
| 13 | AC Surge protector | 415V single pole | PCS | 1 |  |  |  |  |
| 14 | PVC box | 8way box | PCS | 1 |  |  |  |  |
| 15 | Changeover switch | 100A Changeover switch | PCS | 1 |  |  |  |  |
| 16 | Distribution board | 8 blocks DB | PCS | 1 |  |  |  |  |
| 17 | Battery to inverter cable | 35mm flexible cable | meters | 20 |  |  |  |  |
| 18 | Inverter to changeover and DB cable | 6mm single flexible cable | meters | 150 |  |  |  |  |
|  |
| 19 | Load cables | 1.5mm hardcore cable | Roles | 3 |  |  |  |  |
| 20 | Wall Sockets | 13Amps 2ways | PCS | 8 |  |  |  |  |
| 21 | Conduit pipes | 25mm-50mm | Bundle | 2 |  |  |  |  |
| 22 | Earth rod | 3 fits 100% coper | PCS | 3 |  |  |  |  |
| 23 | Earth cable | 4mm single core | meters | 50 |  |  |  |  |
| 24 | Earthing accessories | Mat/Salt | PCS | 2 |  |  |  |  |
| 25 | AVR | 8KVA single phase AVR | PCS | 1 |  |  |  |  |
|  | **Total Material Cost** |  | | | | | | |
|  | **Total Project Cost** |  | | | | | | |

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