



THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR-22.

[Electrical Division]

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BID REFERENCE NO: - 82/PM/ELECT/OPHC/2023-24

Name of the Bidder: -

PRICE BID NO- 08 AS PER IFB

NAME OF THE WORK

DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF **08 KWp.** OFF-GRID SOLAR PV SYSTEM (GROUND/ROOF TOP) MOUNTED WITH 6 HR. POWER BACK UP AND COMPREHENSIVE MAINTENANCE CONTRACT FOR A PERIOD OF 05 FIVE YEARS (SIXTY MONTHS) AT COB, BHATAPANI IN THE DISTRICT OF NUAPADA.

SCHEDULE OF WORKS

| SL.NO | ITEMS | MAKE | SPECIFICATION | QUANTITY |
|-------|----------------|--|---|--|
| 1 | SOLAR PV PANEL | VIKRAM / WARREE / TATA POWER SOLAR SYSTEMS / PANASONIC SOLAR | MINIMUM 500 Wp. OR ABOVE. (MONOCRYSTALLINE) | AS PER REQUIREMENT FOR 08 KWp. OFF-GRID SOLAR PV SYSTEM (GROUND/ROOF TOP) MOUNTED WITH 6 HR. POWER BACK UPTO 08 KW POWER LOAD. |
| 2 | SOLAR P.C.U | LUMINOUS/ STATCON / MICROTEK / SU-KAM POWER SYSTEMS | SINGLE PHASE, 120 VOLT, 08 KW/ 10KVA WITH REMOTE MONITORING SYSTEM. | -DO- |
| 3 | SOLAR BATTERY | EXIDE/ OKAYA / LUMINOUS (BATTERIES SHALL HAVE TO APPROVED BY ERTL/CPRI/OTHER MNRE APPROVED TEST CENTRE) | 7.2 Vah/Wp, 12V, C10, MINIMUM 150 AH OR ABOVE LMLA BATTERY BANK . | -DO- |

| | | | | |
|----|---|-----------------------------|---|------|
| 4 | D.C DISTRIBUTION BOX (D.C.D.B) | MCB-LEGRAND / L & T | AS PER REQUIREMENT | -DO- |
| 5 | A.C DISTRIBUTION BOX (A.C.D.B) | MCB-LEGRAND / L & T | AS PER REQUIREMENT | -DO- |
| 6 | 100 AMP. HRC FUSE WITH ENCLOSURE | L&T/ ABB | AS PER REQUIREMENT | -DO- |
| 7 | D.C CABLE (SOLAR PANEL TO D.C.D.B) | FINOLEX / POLYCAB / HAVELLS | 6 SQ. MM SINGLE CORE COPPER D.C SOLAR CABLE-UV-FRS AS PER COLOUR CODE | -DO- |
| 8 | D.C CABLE (D.C.D.B TO P.C.U, P.C.U TO BATTERY & BATTERY TO P.C.U) | FINOLEX / POLYCAB / HAVELLS | 25 SQ. MM SINGLE CORE COPPER D.C SOLAR CABLE-UV-FRS AS PER COLOUR CODE | -DO- |
| 9 | A.C CABLE (P.C.U TO A.C.D.B&A.C.D.B TO LOAD) | FINOLEX / POLYCAB / HAVELLS | 10 SQ.MM. SINGLE CORE COPPER A.C CABLE-UV-FRS AS PER COLOUR CODE | -DO- |
| 10 | CABLE LUGS | REPUTED | 6, 10, & 25 SQ.MM. | -DO- |
| 11 | MC-4 CONNECTORS | REPUTED | AS PER REQUIREMENT | -DO- |
| 12 | STRUCTURE FOR SOLAR MODULES INCLUDING ASSORTED SIZE NUT BOLTS AND ANCHOR BOLTS. | REPUTED | HOT DIP GALVANISE IRON/ALUMINIUM MOUNTING STRUCTURE WILL HAVE ANGLE OF INCLINATION AS PER THE SITE CONDITION. | -DO- |
| 13 | SCREW & WALL PLUG | REPUTED | SS-PLASTIC | -DO- |
| 14 | EARTHING | ABB/ STAR-X/ UNIVERSIAL | CHEMICAL EAERTHING | -DO- |
| 15 | LIGHTNING ARRESTER | REPUTED | CU- 1.3 M /13 MM | -DO- |
| 16 | HOT DIP G.I STRIP | REPUTED | 19 MM X 3 MM | -DO- |
| 17 | INSULATOR FOR G.I STRIP | REPUTED | FLAT INSULATOR AND PLASTIC INSULATOR | -DO- |
| 18 | CABLE TIE | REPUTED | 300 MM BLACK | -DO- |
| 19 | G.I SADDLE AND C-CLAMP | REPUTED | 25 SQ.MM. | -DO- |
| 20 | FLEXIBLE PIPE | REPUTED | 25 SQ.MM. | -DO- |
| 21 | CABLE TRAY WITH COVER (PVC) | REPUTED | 45 MM X 45MM | -DO- |
| 22 | FIRE EXTINGUISHER (CO ₂) | CEASE FIRE/ FIRE SHIELD/UFS | CO ₂ -2 K.G. | -DO- |
| 23 | DANGER SIGN BOARD | REPUTED | AS PER REQUIREMENT | -DO- |

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|---|---|---|--------------------|-----------------------|
| 24 | ALL ELECTRICAL WIRINGS& ACCESSORIES REQUIRED FOR POWER BACK UP TO 10 KW POWER LOAD OF DIFFERENT BUILDINGS | WIRE - FINOLEX/ POLYCAB/HAVELLS MCB - LEGRAND / L & T SWITCH & SOCKET - ANCHOR (ROMA) | AS PER REQUIREMENT | -DO- |
| TOTAL ESTIMATED COST- | | | | Rs.9,64,285.68 |
| CESS @ 1 % - | | | | Rs.9642.85 |
| TOTAL - | | | | Rs.9,73,928.53 |
| Or say - | | | | Rs.9,73,929.00 |
| TOTAL ESTIMATED COST IN WARD- NINE LAKH SEVENTY THREE THOUSAND NINE HUNDRED TWENTY NINE ONLY. | | | | |
| QUOTED AMOUNT - _____ % EXCESS OR _____ % LESS THAN THE ESTIMATED COST OF Rs.9,73,929.00 | | | | |
| QUOTEED AMOUNT IN FIGURE - Rs. | | | | |
| QUOTEED AMOUNT IN WARD – | | | | |

N:B- The Estimated cost is exclusive of GST @ 12 %.

Signature with seal of the Bidder.

Sd/-
A.P.M (Elect.)

Sd/-
D.M (Elect.), I/C.

Sd/-
Project Manager (Elect.)