



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

[Electrical Division]

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**BID REFERENCE NO: - 82/PM/ELECT/OPHWC/2023-24**

Name of the Bidder: -

**PRICE BID NO- 07 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, NAGESH (NEAR VILLAGE PATIALPARHA-PS-GOLMUNDA) IN THE DISTRICT OF KALAHANDI.

**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.<br>(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<br><br>(BATTERIES SHALL HAVE TO APPROVED BY ERTL/CPRI/OTHER MNRE APPROVED TEST CENTRE) | 7.2 Vah/Wp, 12V, C10, MINMUM 150 AH OR ABOVE LMLA BATTERYBANK .    | -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 <sub>2</sub> )  | CEASE FIRE/ FIRE SHIELD/UFS | CO <sub>2</sub> -2 K.G.   | -DO- |
| 23 | DANGER SIGN BOARD   | REPUTED                     | AS PER REQUIREMENT  | -DO- |

|   |  |   |                    |                       |
|---|--|---|--------------------|-----------------------|
| 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 -  |  |   |                    | <b>Rs.9,73,929.00</b> |
| 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 <b>Rs.9,73,929.00</b> |  |   |                    |                       |
| 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.)