



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

[Electrical Division]

Ph: 0674-2541545, 2542921, Fax: 0674-2541543

E-mail: pmelectricalophwc2025@gmail.com, Website: www.ophwc.com

BID REFERENCE NO: - 52/PM/ELECT/OPHWC/2025-26

**Name of the Bidder: -**

PRICE BID NO - 02 AS PER IFB

NAME OF THE WORK

DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 8 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 FOR CAPF AT PARIGADA IN THE DISTRICT OF KANDHAMAL.

SCHEDULE OF WORKS

| SL.NO | ITEMS          | MAKE                                                                                                                               | SPECIFICATION                                                             | QUANTITY                                                                                                                                                       |
|-------|----------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | SOLAR PV PANEL | VIKRAM / WARREE /<br>TATA POWER SOLAR<br>SYSTEMS / PANASONIC<br>SOLAR                                                              | MINIMUM 500 Wp. OR<br>ABOVE.<br>(MONOCRYSTALLINE)                         | AS PER<br>REQUIREMENT<br>FOR 08 KWp. OFF-<br>GRID SOLAR PV<br>SYSTEM<br>(GROUND/ROOF<br>TOP) MOUNTED<br>WITH 6 HR.<br>POWER BACK UP<br>TO 08 KW POWER<br>LOAD. |
| 2     | SOLAR P.C.U    | LUMINOUS / STATCON /<br>MICROTEK / SU-KAM<br>POWER SYSTEMS                                                                         | SINGLE PHASE, 120<br>VOLT, 08 KW WITH<br>REMOTE MONITORING<br>SYSTEM.     | -DO-                                                                                                                                                           |
| 3     | SOLAR BATTERY  | EXIDE / OKAYA /<br>LUMINOUS<br><br>(BATTERIES SHALL<br>HAVE TO APPROVED BY<br>ERTL / CPRI / OTHER<br>MNRE APPROVED TEST<br>CENTRE) | 7.2 Vah/Wp, 12V, C10,<br>MINMUM 150 AH OR<br>ABOVE LMLA BATTERY<br>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 <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.5,83,050.80        |
| CESS @ 1 % -                                                                                    |                                                                                                            |                                                                                       |                    | Rs.5830.50            |
| TOTAL -                                                                                         |                                                                                                            |                                                                                       |                    | Rs.5,88,881.30        |
| Or say -                                                                                        |                                                                                                            |                                                                                       |                    | <b>Rs.5,88,881.00</b> |
| TOTAL ESTIMATED COST IN WARD - FIVE LAKH EIGHTY-EIGHT THOUSAND EIGHT HUNDRED EIGHTY-ONE ONLY.   |                                                                                                            |                                                                                       |                    |                       |
| QUOTED AMOUNT - _____ % EXCESS OR _____ % LESS THAN THE ESTIMATED COST OF <b>Rs.5,88,881.00</b> |                                                                                                            |                                                                                       |                    |                       |
| PERCENTAGE OF EXCESS OR LESS IN WORD -                                                          |                                                                                                            |                                                                                       |                    |                       |
| QUOTEED AMOUNT IN FIGURE - Rs.                                                                  |                                                                                                            |                                                                                       |                    |                       |
| QUOTEED AMOUNT IN WORD –                                                                        |                                                                                                            |                                                                                       |                    |                       |

**N:B-** The Estimated cost is exclusive of GST.

Signature with seal of the Bidder.

Sd/-  
A.P.M (Elect)

Sd/-  
D.M (Elect)

Sd/-  
Project Manager (Elect)