



**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- 05 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, JHIRPANI IN THE DISTRICT OF KANDHAMAL.

**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 <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.)