



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

[Electrical Division]

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BID REFERENCE NO: - 61/PM/ELECT/OPHC/2023-24

Name of the Bidder: -

PRICE BID NO - 01 AS PER IFB

DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 2 KW_p (2 X 1 KW_p) OFF-GRID SOLAR P.V SYSTEM (GROUND/ROOF) MOUNTED WITH 6 HR. POWER BACKUP AND COMPREHENSIVE MAINTENANCE CONTRACT FOR A PERIOD OF 05 (FIVE) YEARS AT BOYANIKA SHOWROOM, NAYAGARH

SCHEDULE OF WORK FOR 01 SET (1 KW_p.)

SL.NO	ITEMS	MAKE	SPECIFICATION	QUANTITY
1	SOLAR PV PANEL	VIKRAM / WARREE / TATA POWER SOLAR SYSTEMS / PANASONIC SOLAR	MINIMUM 500 W _p . OR ABOVE. (MONOCRYSTALLINE)	AS PER REQUIREMENT FOR 1 KW _p . OFF-GRID SOLAR PV SYSTEM (GROUND/ROOF TOP) MOUNTED WITH 6 HR. POWER BACK UP TO 1KW POWER LOAD
2	SOLAR P.C.U	LUMINOUS / STATCON / MICROTEK / SU-KAM POWER SYSTEMS	Single Phase, 24/48 VOLT, 1 KW/ 1.5 KVA 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/W _p , 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	HRC FUSE WITH ENCLOSURE	L&T/ ABB	AS PER REQUIREMENT	-DO-
7	SINGLE CORE COPPER D.C SOLAR CABLE-UV-FRS AS PER COLOUR CODE (SOLAR PANEL TO D.C.D.B)	FINOLEX / POLYCAB / HAVELLS	CABLE SIZE AS PER REQUIREMENT	-DO-
8	SINGLE CORE COPPER D.C SOLAR CABLE-UV-FRS AS PER COLOUR CODE (D.C.D.B TO P.C.U, P.C.U TO BATTERY & BATTERY TO P.C.U)	FINOLEX / POLYCAB / HAVELLS	CABLE SIZE AS PER REQUIREMENT	-DO-
9	SINGLE CORE COPPER A.C SOLAR CABLE-UV-FRS AS PER COLOUR CODE (P.C.U TO A.C.D.B & A.C.D.B TO LOAD)	FINOLEX / POLYCAB / HAVELLS	CABLE SIZE AS PER REQUIREMENT	-DO-
10	CABLE LUGS	REPUTED	CABLE LUG SIZE AS PER REQUIREMENT	-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-
24	ALL ELECTRICAL WIRINGS REQUIRED FOR POWER BACK UP TO 1 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 FOR TWO SETS (2 x 1 KWp.) -				Rs.2,41,071.00
TOTAL ESTIMATED COST FOR TWO SETS IN WARD - TWO LAKH FORTY ONE THOUSAND SEVENTY ONE ONLY.				
QUOTED AMOUNT - _____ % EXCESS OR _____ % LESS THAN THE ESTIMATED COST OF Rs.2,41,071.00				
QUOTEED AMOUNT IN FIGURE – Rs.				
QUOTEED AMOUNT IN WARD –				

N: B - The Estimated cost is exclusive of GST @ 18 %.

Signature with seal of the Bidder.

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

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

Sd/-
Project Manager (Elect.)