



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

[Electrical Division]

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**BID REFERENCE NO: - 57/PM/ELECT/OPHWC/2023-24**

Name of the Bidder: -

**PRICE BID NO - 01 AS PER IFB**

DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF **20 KWp. (2 x 10 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 AT DATUNAMA CAMP IN THE DISTRICT OF NUAPADA.

**SCHEDULE OF WORK FOR 01 SET (10 KWp.)**

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 10 KWp. OFF-GRID SOLAR PV SYSTEM (GROUND/ROOF TOP) MOUNTED WITH 6 HR. POWER BACK UP TO 10 KW POWER LOAD
2	SOLAR P.C.U	LUMINOUS / STATCON / MICROTEK / SU-KAM POWER SYSTEMS	SINGLE PHASE, 120 VOLT, 10 KW/ 12.5 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/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 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 FOR TWO SETS (2 x 10 KWp.) -				Rs.24,10,700.00
TOTAL ESTIMATED COST FOR TWO SETS IN WARD - TWENTY FOUR LAKH TEN THOUSAND SEVEN HUNDRED ONLY.				
QUOTED AMOUNT - _____ % EXCESS OR _____ % LESS THAN THE ESTIMATED COST OF Rs.24,10,700.00				
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.)