

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

[Electrical Division]

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BID REFERENCE NO: -74/PM / ELECT / OPHWC/ 2022-23

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 CAPF 12 TH BN., NABARANGPUR.

SCHEDULE OF WORK FOR 01 SET 10 KWP.

SL.NO	ITEMS	MAKE	SPECIFICATION	QUANTITY	QUOTED AMOUNT EXCLUSIVE OF GST FOR 02 SETS
1	SOLAR PV PANEL	VIKRAM / WARREE / SOVA	MINIMUM 335 WP. AND ABOVE (MONO/POLY CRYSTALLINE)	AS PER REQUIREMENT	
2	SOLAR PCU	STATCON / CONSULE NEOWAT / POWER ONE	(10 KW/ 12.5KVA) 1PH. WITH REMOTE MONITORING	01 NO.	
3	SOLAR BATTERY	EXIDE/NED ENERGY/ BATTERIES SHALL HAVE TO BE APPROVED BY ERTL/CPRI/OTHER MNRE APPROVED TEST CENTRE	7.2 Vah/Wp, 2 / 12V, C10 BATTERY BANK WITH VRLA GEL TYPE TUBULAR MAINTENANCE FREE BATTERY	AS PER DESIGN	
4	ARRAY JUNCTION BOX	MCB-LEGRAND / L & T REPUTED IP-65 WITH DCSPD	AS PER DESIGN	01 NO.	
5	AC DISTRIBUTION BOX	MCB-LEGRAND / L & T	AS PER DESIGN	01 NO.	
6	DC DISTRIBUTION BOX	MCB-LEGRAND / L & T	AS PER DESIGN	01 NO.	

7	100 A HRC FUSE WITH BOX WITH ENCLOSER	L&T/ ABB	AS PER DESIGN	01 JOB
8	DC CABLE (SOLAR PANEL TO JUNCTION BOX)	POLYCAB / HAVELLS/FINOLEX	06 SQ. MM. DC SOLAR CABLE-UV-FRS AS PER COLOUR CODE	AS PER REQUIREMENT
9	DC CABLE (ARRY JUNCTION BOX, DCDB TO PCU, PCU TO BATTERY & BATTERY TO PCU)	POLYCAB /FINOLEX / HAVELLS	25 SQ. MM. 1C COPPER FLEXIBLE CABLE AS PER COLOUR CODE	AS PER REQUIREMENT
10	AC CABLE (PCU TO ACDB)	POLYCAB/FINOLEX / HAVELLS	10 SQ.MM. 1C FRS-UV COPPER FLEXIBLE CABLE AS PER COLOUR CODE	AS PER REQUIREMENT
11	REQUIRED SIZE OF CABLE LUGS	REPUTED	06, 10, & 25 SQ.MM.	AS PER DESIGN
12	MC-4 CONNECTORS	REPUTED		AS PER REQUIREMENT
13	STRUCTURE FOR SOLAR MODULES INCLUDING ASSORTED SIZE OF NUT BOLTS AND ANCHOR BOLTS.	REPUTED	HOT DIP GALVANISE IRON/ALUMINIUM MOUNTING STRUCTURE WILL HAVE ANGLE OF INCLINATION AS PER THE SITE CONDITION.	01 SET (AS PER DESIGN)
14	SCREW & WALL PLUG	REPUTED	SS-PLASTIC	AS PER REQUIREMENT
15	EARTHING	ABB/ STAR-X/ UNIVERSIAL	CHEMICAL EAERTHING	AS PER REQUIREMENT
16	LIGHTNING ARRESTER	REPUTED	CU- 1.3 M /13 MM	AS PER REQUIREMENT
17	GI STRIP - TYPE 19 MM X 03 MM/ LA	REPUTED	19 MM X 03 MM	AS PER REQUIREMENT
18	INSULATOR FOR GI STRIP	REPUTED	FLAT INSULATOR AND PLASTIC INSULATOR	AS PER REQUIREMENT
19	CABLE TIE	REPUTED	300 MM BLACK	AS PER REQUIREMENT
20	GI SADDLE AND	REPUTED	25 SQ.MM.	AS PER REQUIREMENT

	C-CLAMP			
21	FLEXIBLE PIPE	REPUTED	25 SQ.MM.	AS PER REQUIREMENT
22	CABLE TRAY WITH COVER (PVC)	REPUTED	45 MM X 45MM	AS PER REQUIREMENT
23	FIRE EXTINGUISHER (CO 2)	CEASE FIRE/ FIRE SHIELD/UFS	CO2-02 K.G.	AS PER REQUIREMENT
24	DANGER SIGN BOARD	REPUTED	AS PER DESIGN	AS PER REQUIREMENT
25	ALL ELECTRICAL WIRING REQUIRED FOR POWER BACK UP TO THE CRITICAL LOADS OF THE DIFFERENT BUILDINGS.	WIRE – POLYCAB/FINOLEX / HAVELLS MCB – LEGRAND / L & T / REPUTED SWITCH & SOCKET - ANCHOR (ROMA)	AS PER DESIGN	01 JOB [AS PER DESIGN]
[A]	QUOTED AMOUNT FOR DESIGN & SUPPLY OF MATERIALS FOR 10 KW. OFF-GRID SOLAR PV SYSTEM (ROOF TOP/GROUND MOUNTED) 7.2 Vah / Wp WITH 6 HR. POWER BACK UP. (2 SETS) Rs. _____			
[B]	GST ON SL.NO [A] Rs. _____			
[C]	QUOTED AMOUNT FOR INSTALLATION, TESTING & COMMISSIONING OF 10 KW. OFF-GRID SOLAR PV SYSTEM (ROOF-TOP/ GROUND MOUNTED) 7.2 Vah / Wp WITH 6 HR. POWER BACK UP. (2 SETS) Rs. _____			
[D]	GST ON SL.NO [C] Rs. _____			
[E]	QUOTED AMOUNT FOR 5 YEARS COMPREHENSIVE MAINTENANCE OF 10 KW. OFF-GRID SOLAR PV SYSTEM (ROOF-TOP/ GROUND MOUNTED) 7.2 Vah / Wp WITH 6 HR. POWER BACK UP. (2 SETS) Rs. _____			
[F]	GST ON SL.NO [E] Rs. _____			

[G]	<p>TOTAL QUOTED AMOUNT INCLUSIVE OF ALL BUT EXCLUDING GST = [A] + [C] + [E]</p> <p>Rs. _____</p> <p>IN FIGURE:-</p>
[H]	<p>TOTAL QUOTED AMOUNT INCLUSIVE OF ALL BUT EXCLUDING GST IS _____ % (EXCES /LESS) THAN THE TOTAL ESTIMATED COST OF RS.24,34,821 (INCLUSIVE OF ALL BUT EXCLUDING GST)</p>

Signature with seal of the Bidder.

Sd/-
A.P.M (Elect)

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

Sd/-
Project Manager (Elect)