

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**

**JANAPATH, BHOINAGAR, BHUBANESWAR – 22.**

[Electrical Division]

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**BID REFERENCE NO: - 22 /JM / ELECT / OPHWC/ 2020-21**



**Name of the Bidder:-**

<p><b>PRICE BID</b>  <b>FOR</b>  <b>DESIGN, SUPPLY, INSTALLATION, TESTING &amp; COMMISSIONING OF 08 KW. OFF-GRID SOLAR PV SYSTEM (ROOF TOP/GROUND MOUNTED) 7.2 Vah/Wp WITH 6 HR. POWER BACK UP AND COMPREHENSIVE MAINTENANCE CONTRACT FOR A PERIOD OF 05 (FIVE) YEARS AT COB AT SADINGIA IN THE DISTRICT OF KALAHANDI.</b></p>
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**SCHEDULE OF WORK FOR 01 NOS LOCATION**

SL.NO	ITEMS	MAKE	SPECIFICATION	QUANTITY	QUOTED AMOUNT EXCLUSIVE OF GST FOR 01. NO. LOCATION
1	SOLAR PV PANEL	VIKRAM / WARREE / SOVA	MONOPERC SOLAR PV MODULES MINIMUM 370 Wp (72 CELL).	AS PER REQUIREMENT	
2	SOLAR PCU	STATCON / CONSULE NEOWAT / POWER ONE	(8KW/ 10 KVA) 1PH. WITH REMOTE MONITORING	01 NO.	
3	SOLAR BATTERY	EXIDE/NED ENERGY/ BATTERIES SHALL HAVE TO BE APPROVED BY ERTL/CPRI/OTHE R MNRE APPROVED TEST CENTRE	7.2 Vah/Wp, 2V, 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/FINOL EX	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/FINOL EX / 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	AS PER REQUIREMENT

			INSULATOR		
19	CABLE TIE	REPUTED	300 MM BLACK	AS PER REQUIREMENT	
20	GI SADDLE AND C-CLAMP	REPUTED	25 SQ.MM.	AS PER REQUIREMENT	
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/FINOL EX / HAVELLS MCB – LEGRAND / L & T / REPUTED SWITCH & SOCKET - ANCHOR (ROMA)	AS PER DESIGN	01 JOB [AS PER DESIGN]	
[01]	<b>QUOTED AMOUNT FOR DESIGN &amp; SUPPLY OF MATERIALS OF 08 KW. OFF-GRID SOLAR PV SYSTEM (ROOF TOP/GROUND MOUNTED) 7.2 Vah/ Wp WITH 6 HR. POWER BACK UP AT COB AT SADINGIA IN THE DISTRICT OF KANDHAMAL.</b>  Rs._____				
[02]	<b>GST ON SL.NO [01] Rs._____</b>				
[03]	<b>QUOTED AMOUNT FOR INSTALLATION, TESTING &amp; COMMISSIONING OF 08 KW. OFF-GRID SOLAR PV SYSTEM (ROOF-TOP/ GROUND MOUNTED) 7.2 Vah/Wp WITH 6 HR. POWER BACK UP AT COB AT SADINGIA IN THE DISTRICT OF KANDHAMAL.</b>  Rs._____				
[04]	<b>GST ON SL.NO [03] Rs._____</b>				

[05]	<b>QUOTED AMOUNT FOR COMPREHENSIVE MAINTENANCE OF 08 KW. OFF-GRID SOLAR PV SYSTEM (ROOF-TOP/ GROUND MOUNTED) 7.2 Vah/Wp WITH 6 HR. POWER BACK UP AT COB AT SADINGIA IN THE DISTRICT OF KANDHAMAL.</b>  Rs. _____
[06]	<b>GST ON SL.NO [05] Rs. _____</b>
[07]	<b>TOTAL QUOTED AMOUNT INCLUSIVE OF GST = [01] + [02] + [03] + [04] + [05] + [06]</b>  Rs. _____  <b>IN FIGURE:-</b>
[08]	<b>TOTAL QUOTED AMOUNT (INCLUSIVE OF GST) IS _____ %</b> <b>_____ (EXCES /LESS) THAN THE TOTAL ESTIMATED COST RS.</b> <b>10,80,000.00 ( INCLUSIVE OF ALL TAXES &amp; GST).</b>

**Signature with seal of the Bidder.**

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

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

**Sd/-**  
**Joint Manager (Elect.)**