

**Tender Inviting Authority: JOINT MANAGER [ELECTRICAL DIVISION] ,
THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD, BHUBANESWAR.**

Name of work :- DESIGN,SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 08 KW. OFF-GRID SOLAR PV SYSTEM (ROOF TOP / GROUND MOUNTED) WITH 6 HR. POWER BACK UP AND COMPREHENSIVE MAINTENANCE CONTRACT FOR A PERIOD OF 05 (FIVE) YEARS IN THE LOCATION AT (PLEASE FILL UP THE NAME OF THE WORK AS PER THE IFB)-

Contract No: BID REF NO.- 13 / JM / ELECT / OPHWC / 2019-20

**Bidder
Name**

SCHEDULE OF WORKS

Sl. No.	Description of work	Make	Specification	Qty	Quoted Amount exclusive of GST in figure & Word	% of GST
A. SUPPLY OF MATERIALS						
A1	Solar PV Panel	Vikram /WARREE/JAKSON/ MNRE Approved	325 Wp / 330 Wp / 335 Wp(72 Cell)	25 Nos.		
A2	Solar PCU	Statcon / Consule Neowat / Studder/Outback/ Swlect/MNRE APPROVED	(8K.W./10 KVA)- 1Ph. with Remote Monitoring	01 No.		

A3	Solar Battery	Exide/NED/AMARA RAJA	7.2 VAh/Wp, 2V, C10 Battery Bank with VRLA Gel type tubular maintenance free battery	As per design
A4	Array Junction Box- DCDB-DCDB	MCB-Legrand make / Reputed / IP-65 with DCSPD	As per design	01 No.
A5	Single phase ACDB with load limiter upto 8 KW	MCB-Legrand make with Reputed / IP-65 / ACSPD	As per design	01 No.
A6	HRC Fuse Box	125 A, 400 A IP-65 [L&T make]	125 A, 400 A, IP-65	01 Job
A7	DC Cable (Panel to inverter)	Polycab / Havells/Finolex/Sieche m	06 Sq. mm. DC Solar cable-UV-FRS as per colour code	500 Mtr.
A8	AC Cable (Inverter to Battery)	Polycab/Finolex / Havells	25 Sq. mm. 1C copper flexible cable as per colour code	20 Mtr.

A9	AC Cable (Battery)	Polycab/Finolex / Havells	25 Sq. mm. 1C copper flexible cable as per colour code	10 Mtr.
A10	AC Cable	Polycab/Finolex / Havells	10 Sq.mm. 1C FRS-UV copper as per colour code	100 Mtr.
A11	Required size of cable lugs	Reputed	06, 10, 16 & 25 sq.mm.	As per design
A12	MC-4 Connectors	Reputed		As per requirement
A13	Structure for solar modules including assortiate size of nut bolts and anchor bolts.	Reputed	Hot dip galvanise (50mm X 50mm X 3 mm-120 Micron-PCC Anchor Bolt (8mm)- Nut bolt 10 mm As per Requirement / Aluminium Module Mounting Structure	01 Set (As per Design)
A14	Screw & wallplug	Reputed	SS-Plastic	50 Nos.

A15	Earthing	Reputed	GI-Chemical Earthing Set (1.5 Mtr. GI electrode)	03 Nos.
A16	Lighting Arrester	Reputed	CU- 1.3 M /13 MM	02 Nos.
A17	GI Strip -Type 19 mm X 03 mm/ LA	Reputed	19 mm X 03 mm	10 Mtr.
A18	Insulator for GI strip	Reputed	Flat insulator and plastic insulator	60 Nos.
A19	Cable Tie	Reputed	300 mm black	100 Nos.
A20	GI saddle and C-Clamp	Reputed	25 sq.mm.	50 Nos.

A21	Flexible pipe	Reputed	25 Sq.mm.	20 Nos.		
A22	Cable tray with cover (PVC)	Reputed	45 mm X 45 mm	30 Mts.		
A23	Fire Extingisher (CO 2)	Reputed	02 K.G.	01 No.		
A24	Danger Sign Board	Reputed		02 Nos.		
A25	All Electrical wiring required for power back up to the critical loads of the different buildings.	Wire - Finolex / havells, MCB - Legrand, Switch & Socket - Anchor (Roma)	As per design	01 Job [As per Design]		
Total amount of supply of materials (A1-A25) in RS.						
B. INSTALLATION, TESTING AND COMMISSIONING CHARGES						
B	Installation, testing and commissioning charges.			01 Job		

Total of A+B Rs.		
Total Amount in words (A+B)		

Seal & Signature of this Bidder

Sd/-
Asst. Project Manager (Elect.)

Sd/-
Asst. Project Manager (Elect.) (Hqtr.)

Sd/-
Consultant (Elect.)

Sd/-
Joint Manager (Elect.)