

TENDER INVITING AUTHORITY: JOINT MANAGER (ELECTRICAL DIVISION),THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD, BHUBANESWAR

NAME OF THE WORK :-EXECUTION OF LIGHTNING PROTECTION SYSTEM WORK OF COB AT MUSANAL IN THE DISTRICT OF KALAHANDI.

BID REF NO.- 20/JM/ELECT/OPHWC/2020-21

Bidder Name

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	<p><u>Air-Terminal</u> Supply, Installation, Testing & Commissioning of Early Streamer Emission (ESE) type lightning Air terminal.</p> <p><u>Supporting Mast</u> The mounting pole used to support the lightning air terminal shall be minimum length of 05 Mtr. , non corrosive and made up of medium class GI / SS pipe of 1.5" diameter having base plate at bottom for securely fixing the mast on roof top. The mounting pole and supports shall be securely fixed with the brackets and PVC insulated metallic guy wires to withstand the maximum wind velocity of that area.</p> <p><u>Protection Radius :- 48 Mtr.</u> Make :- ABB / STROMKING / POWER TRAC All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	No	2	₹ 97,850.00	₹ 1,95,700.00
2	<p><u>Lightning Strike Counter</u> Supply, Installation, Testing & Commissioning of non-electronic & non-resettable (Not require any external power supply) type lightning strike counter to count the lightning stroke having display with IP-67 enclosure including all accessories and connection..(6/7 digit) Make :- ABB / STROMKING / POWER TRAC All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	No	2	₹ 25,000.00	₹ 50,000.00
3	<p>Supply, Installation, Testing & Commissioning of 25 x 5 MM copper flat (Insulated / through 1.5" diameter super quality PVC pipe) from lightning air terminal to earth electrode on wall / ceiling/concrete column/under buried trench by proper saddling & making connection at both ends the and making good the damages caused. All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge Make of PVC Pipe :- AKG / KINJAL / ORIPLAST S..(CSR SL . NO- 3.11) .</p>	Mtr.	60	509.11	₹ 30,546.60

4	Supply, Installation, Testing & Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	No	5	₹ 15,200.00	₹ 76,000.00
5	Supply & Erection of 12 mtr long Heavy gyage Tata MS stepepole(6mtr x 5 inch and 6 mtr x4inch) with 2ft x 2ft x 10mm MS Base plate and 30 cm x 30cm x 6mm MS Top plate including fabrication ,painting with 1 coat red oxide and 2 coat aluminum paint , 4nos complete stay set for support of pole ,couping and concreting along with all accessories complete as required and as per Electrical Engineer-in-Charge	Set	2	33,864.40	₹ 67,728.80
6	Supply, connection &Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode & Main panel board to SPD panel including all accessories, cable socketing and connections. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	Mtr.	18	₹ 154.73	₹ 2,785.14
7	Supply, Installation, Testing & Commissioning of indoor type wall mounted Surge protection device (SPD) panel made of 2 mm thick CRCA sheet, dust and vermin proof duly powder coated having the following arrangement & complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire. [A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) - 01 Set [B] 63 Amp. HRC fuse with link – 03 Nos [C] 100 Amp. 4 pole stud connector – 01 No Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND Make of Wire :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	No	1	18,665.00	₹ 18,665.00
8	Total Estimated Cost				441425.54
9	Total Estimated Cost in Figures				441426.00
EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)		_____ %			
Quoted Amount in Figure					

Quoted Amount in words	
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N:B- The Estimated cost is exclusive of GST @12%.

Signature of Tenderer with seal

**Sd/-
Asst. Project Manager[Elect.]**

**Sd/-
APM Elect. (Hqr.)**

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