

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



[Electrical Division]

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**BID REFERENCE NO: -24 /JM / ELECT / OPHWC/ 2019-20**

## PRICE BID

### FOR

SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF LIGHTNING PROTECTION SYSTEM ALONG WITH SURGE PROTECTION DEVICE AT **39** LOCATIONS IN THE DISTRICT OF **MAYURBHANJ**.

**[J] MAYURBHANJ DISTRICT**

NAME OF THE LOCATIONS			
SL.NO	NAME OF THE LOCATION	SL.NO	NAME OF THE LOCATION
J1	SP Office, Mayurbhanj	J21	Sarat Police Station
J2	SDPO Sadar, Mayurbhanj	J22	Kaptipada Police Station
J3	SDPO, Betanoti	J23	Rairangpur Rural Police Station
J4	SDPO, Udala	J24	Rairangpur Town Police Station
J5	SDPO, Rairangpur	J25	Badampahad Police Station
J6	SDPO, Karanjia	J26	Gorumahisani Police Station
J7	Town Police Station, Mayurbhanj	J27	Bisoi Police Station
J8	Sadar Police Station, Mayurbhanj	J28	Tiringi Police Station
J9	Kuliana Police Station	J29	Bahalda Police Station
J10	Suliapada Police Station	J30	Jamada Police Station
J11	Bangiriposi Police Station	J31	Karanjia Police Station
J12	Jharapokharia Police Station	J32	Thakurmunda Police Station
J13	Chandua Police Station	J33	Mahuldiha Police Station
J14	Betonati Police Station	J34	Raruan Police Station
J15	Baisingha Police Station	J35	Ghagarbeda Police Station
J16	Badasahi Police Station	J36	Jashipur Police Station
J17	Moroda Police Station	J37	Special Police Station, Mayurbhanj
J18	Rasagovindpur Police Station	J38	Rairangpur Police Station
J19	Udala Police Station	J39	Police Control Room, Mayurbhanj
J20	Khunta Police Station		

### **SCHEDULE OF WORK FOR 01 NO. LOCATION**

SL.NO	DESCRIPTION OF WORKS	UNIT	QNTY	RATE IN Rs.	AMOUNT IN Rs.
1	<u>Air-Terminal</u> Supply, Installation, Testing &	NO	01	97,850.00	97,850.00

**Signature with seal of the Bidder.**

	<p>Commissioning of Early Streamer Emission (ESE) type lightning Air terminal.</p> <p><b><u>Supporting Mast</u></b> 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><b><u>Protection Radius :- 48 Mtr.</u></b></p> <p><b>Make :- ABB / STROMKING / POWER TRAC</b></p> <p>All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>				
2	<p><b><u>Lightning Strike Counter</u></b> Supply, Installation, Testing &amp; Commissioning of non-electronic &amp; 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)</p> <p><b>Make :- ABB / STROMKING / POWER TRAC</b></p> <p>All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	01	25,000.00	25,000.00
3	<p>Supply, Installation, Testing &amp; 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 &amp; 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</p>	MTR	30	509.11	15,273.30

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	<b>Make of PVC Pipe: - AKG / KINJAL / ORIPLAST</b> (CSR SL. NO- 3.11)				
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. <b>Make :- ABB / STAR-X / UNIVERSAL</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	03	15,200.00	45,600.00
5	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. <b>Make :- FINOLEX / ANCHOR / HAVELLS</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	MTR	18	154.73	2785.14
6	Supply, Installation, Testing & Commissioning of indoor type wall mounted <b>Surge protection device (SPD)</b> 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	NO	01	18,665.00	18,665.00

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	<b>Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND</b> <b>Make of Wire :- FINOLEX / ANCHOR / HAVELLS</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.				
<b>TOTAL ESTIMATED COST EXCLUSIVE OF GST FOR 01 NO. LOCATION</b>					<b>2, 05,173.44</b>
<b>TOTAL ESTIMATED COST EXCLUSIVE OF GST FOR 39 NOS. LOCATION</b>					<b>80,01,764.16</b>
<b>Rupees Eighty Lakh One Thousand Seven Hundred Sixty Four and Sixteen Paise Only</b>					

**Please Fill Up the Appropriate Box**

Excess		%	OR	Less		%	on Estimated Cost of Rs. <b>80,01,764.16</b>
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**Quoted Amount in Figure: - Rs.**

**Quoted Amount in Word:-**

**Signature with seal of the Bidder.**

Sd/- Asst. Project Manager (Elect)	Sd/- Asst. Project Manager (Elect)	Sd/- Consultant (Elect)	Sd/- Joint Manager (Elect)
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**Signature with seal of the Bidder.**