

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 **22** LOCATIONS IN THE DISTRICT OF **JAJPUR**.

**[L] JAJPUR DISTRICT**

NAME OF THE LOCATIONS			
SL.NO	NAME OF THE LOCATION	SL.NO	NAME OF THE LOCATION
L1	Sadar Police Station, Jajpur	L12	Binjharpur Police Station
L2	Mangalpur Police Station	L13	Kalinganagar Police Station
L3	Kaliapani Police Station	L14	Badchana Police Station
L4	Bari Ramachandrapur Police Station	L15	Sukinda Police Station
L5	Tomka Police Station	L16	Panikoili Police Station
L6	Jakhapura Police Station	L17	Korei Police Station
L7	Byree Police Station	L18	Balichandrapur Police Station
L8	Jenapur Police Station	L19	Jajpur Town Police Station
L9	Dharmasala Police Station	L20	SDPO, Jajpur Road
L10	Kuakhia Police Station	L21	SDPO, Jajpur Town
L11	Jajpur Road Police Station	L22	DPO, Panikoili

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

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

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	<p>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>Protection Radius :- 48 Mtr.</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>Lightning Strike Counter</b></p> <p>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> <p><b>Make of PVC Pipe: - AKG / KINJAL / ORIPLAST</b> (CSR SL. NO- 3.11)</p>	MTR	30	509.11	15,273.30
4	<p>Supply, Installation, Testing &amp; Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long</p>	NO	03	15,200.00	45,600.00

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	<p>copper bonded steel rod and suitable termination clamp including all accessories.</p> <p><b>Make :- ABB / STAR-X / UNIVERSAL</b></p> <p>All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>				
5	<p>Supply, connection &amp; Testing of sub earthing with 16 Sq.mm single core multi stranded copper flexible wire from surge protection device (SPD) panel to earth electrode &amp; Main panel board to SPD panel including all accessories, cable socketing and connections.</p> <p><b>Make :- FINOLEX / ANCHOR / HAVELLS</b></p> <p>All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	MTR	18	154.73	2785.14
6	<p>Supply, Installation, Testing &amp; 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 &amp; complete factory wired by 16 Sq.mm single core multi stranded copper flexible wire.</p> <p>[A] Type 1+2 AC Surge Protection Device (SPD) (TP+N) (50 KA) – 01 Set</p> <p>[B] 63 Amp. HRC fuse with link – 03 Nos</p> <p>[C] 100 Amp. 4 pole stud connector – 01 No</p> <p><b>Make of SPD &amp; HRC Fuse :- HAVELLS / L&amp;T / LEGRAND</b></p> <p><b>Make of Wire :- FINOLEX / ANCHOR / HAVELLS</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	18,665.00	18,665.00

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TOTAL ESTIMATED COST EXCLUSIVE OF GST FOR 01 NO. LOCATION	2, 05,173.44
TOTAL ESTIMATED COST EXCLUSIVE OF GST FOR 22 NOS. LOCATION	45,13,815.68
<b>Rupees Forty Five Lakh Thirteen Thousand Eight Hundred Fifteen and Sixty Eight Paise Only</b>	

**Please Fill Up the Appropriate Box**

Excess  % OR Less  % on Estimated Cost of Rs. **45,13,815.68**

**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)

**Signature with seal of the Bidder.**