

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 31 LOCATIONS IN THE DISTRICT OF **KEONJHAR**.

**[C] KEONJHAR DISTRICT**

NAME OF THE LOCATIONS			
SL.NO	NAME OF THE LOCATION	SL.NO	NAME OF THE LOCATION
C1	SDPO, Barbil	C17	Bolani Police Station
C2	Bamebari Police Station	C18	Daitari Police Station
C3	Barbil Police Station	C19	Jhumpura Police Station
C4	Harichandanpur Police Station	C20	Kanjipani Police Station
C5	Joda Police Station	C21	Nandipada Police Station
C6	Pandapada Police Station	C22	Nayakote Police Station
C7	Patna Police Station	C23	Soso Police Station
C8	Rugudi Police Station	C24	Baria Police Station
C9	Telkoi Police Station	C25	Champua Police Station
C10	Turumunga Police Station	C26	Ghasipura Police Station
C11	DPO, Keonjhar	C27	Ghatagaon Police Station
C12	SDPO, Sadar Keonjhar	C28	Keonhar Town Police Station
C13	SDPO, Ghatagaon	C29	Keonjhar Sadar Police Station
C14	SDPO, Anandapur	C30	Ramchandrapur Police Station
C15	SDPO, Champua	C31	Energy Police Station
C16	Anandpur Police Station		

### SCHEDULE OF WORK FOR 01 NO. LOCATION

SL.NO	DESCRIPTION OF WORKS	UNIT	QNTY	RATE IN Rs.	AMOUNT IN Rs.
1	<b><u>Air-Terminal</u></b> Supply, Installation, Testing & Commissioning of Early Streamer Emission (ESE) type lightning Air terminal. <b><u>Supporting Mast</u></b>	NO	01	97,850.00	97,850.00

Signature with seal of the Bidder.

	<p>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> <p><b>Make of PVC Pipe: - AKG / KINJAL / ORIPLAST</b> (CSR SL. NO- 3.11)</p>	MTR	30	509.11	15,273.30

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4	<p>Supply, Installation, Testing &amp; 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.</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>	NO	03	15,200.00	45,600.00
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 /</b></p>	NO	01	18,665.00	18,665.00

**Signature with seal of the Bidder.**

<b>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 31 NOS. LOCATION</b>				<b>63,60,376.64</b>
<b>Rupees Sixty Three Lakh Sixty Thousand Three Hundred Seventy Six and Sixty Four Paise Only</b>				

**Please Fill Up the Appropriate Box**

Excess  % OR Less  % on Estimated Cost of Rs. **63,60,376.64**

**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.**