

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 **28** LOCATIONS IN THE DISTRICT OF **ANGUL**.

[A] ANGUL DISTRICT

NAME OF THE LOCATIONS			
SL.NO	NAME OF THE LOCATION	SL.NO	NAME OF THE LOCATION
A1	DIG NCR, Talcher	A15	Jharpada Police Station
A2	SDPO, Angul	A16	Kaniha Police Station
A3	SDPO, Athamallick	A17	Khamara Police Station
A4	SDPO, Talcher	A18	Kiakata Police Station
A5	SDPO, Pallahara	A19	Kishorenagar Police Station
A6	Angul Police Station	A20	Nalco Police Station
A7	Athamalik Police Station	A21	NTPC Police Station
A8	Banarpal Police Station	A22	Pallahara Police Station
A9	Bantala Police Station	A23	Purunakote Police Station
A10	Bikrampur Police Station	A24	Rengali Police Station
A11	Chendipada Police Station	A25	Samal Police Station
A12	Colliery Police Station	A26	Talcher Police Station
A13	Handapa Police Station	A27	Thakurgada Police Station
A14	Industrial Police Station	A28	Energy Police Station

SCHEDULE OF WORK FOR 01 NO. LOCATION

SL.NO	DESCRIPTION OF WORKS	UNIT	QNTY	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</p>	NO	01	97,850.00	97,850.00

Signature with seal of the Bidder.

	<p>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>Protection Radius :- 48 Mtr.</p> <p>Make :- ABB / STROMKING / POWER TRAC</p> <p>All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>				
2	<p>Lightning Strike Counter</p> <p>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)</p> <p>Make :- ABB / STROMKING / POWER TRAC</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 & 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</p> <p>Make of PVC Pipe: - AKG / KINJAL / ORIPLAST (CSR SL. NO- 3.11)</p>	MTR	30	509.11	15,273.30
4	Supply, Installation, Testing &	NO	03	15,200.00	45,600.00

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	<p>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>Make :- ABB / STAR-X / UNIVERSAL</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 & 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.</p> <p>Make :- FINOLEX / ANCHOR / HAVELLS</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 & 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.</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>Make of SPD & HRC Fuse :- HAVELLS / L&T / LEGRAND</p> <p>Make of Wire :- FINOLEX / ANCHOR / HAVELLS</p>	NO	01	18,665.00	18,665.00

Signature with seal of the Bidder.

	All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.				
TOTAL ESTIMATED COST EXCLUSIVE OF GST FOR 01 NO. LOCATION					2, 05,173.44
TOTAL ESTIMATED COST EXCLUSIVE OF GST FOR 28 NOS. LOCATION					57,44,856.32
Rupees Fifty Seven Lakh Forty Four Thousand Eight Hundred Fifty Six and Thirty Two Paise Only					

Please Fill Up the Appropriate Box

Excess		%	OR	Less		%	on Estimated Cost of Rs. 57,44,856.32
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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)

Signature with seal of the Bidder.