

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
[Electrical Division]  
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**PRICE BID FOR THE WORK UNDER SL. NO :-06 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF AREA ILLUMINATION WORK AND INSTALLATION OF LIGHTNING PROTECTION SYSTEM AT COB AT BUDHAKHOL IN THE DIST. OF BOUDH.**

**BID REF NO.- 31/PM/ELECT/OPHWC/2024-25**

<b>NAME &amp; ADDRESS OF THE FIRM</b>	
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**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
<b>PART-A</b>	<b>AREA ILLUMINATION WORK</b>				
1	<b>40001030</b> Supply and laying of 16 sq.mm 2 core PVC Al. Arm Cable of 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning , protective covering and refilling the trench etc. as required. ( sl no- 5.1.1)(Make Cable- Finolex/ Havells/Polycab/KEI)	MTR	70	<b>285.98</b>	20018.60
2	<b>40001126</b> providing and fixing 8 SWG(4mm)dia copper wire on surface or in recess for loop earthing as required (sl no-3.18)	RFT	60	<b>31.5</b>	1890.00
3	<b>40001906</b> Supply and fixing of 2.5sqmm service wire along with G.I wire for support of service wire including all accessories and connections	MTR	190	<b>29.34</b>	5574.60
4	<b>40002113</b> Supply, erection & stringing of 1-phase 2-wire L.T line with (1X35 + 1 x25 ) mm <sup>2</sup> AB cable over 8mtr long PSC Pole along the road. (30 Mtr Span).	NO	600	<b>172.34</b>	103404.00

5	<b>40002124</b> Supply & fixing of outdoor/indoor type 63A DPMCB panel having I/C-63 A DPMCB-01 No & 63 Amp 2P Change Over/rotary switch ,Outgoing -02 Nos 32 Amp DPMCB & 02 nos 32 A DP switch with powder coating all accessories & connectionMake a)MCB/MCCB-legrand/schnider/abb/,L&T/Anchor/Panasonic (b)Voltmeter/Ametre-AE/CAPPA	NO	2	<b>20125</b>	40250.00
6	<b>40002126</b> Supply & Fixing of 40 mm dia 3 mtr long GI pipe including fixing and connections as per instruction of Electrical Engineer-in-charge.	NO	4	<b>580.29</b>	2321.16
7	<b>40002201</b> Supply & fixing of 200x150mmx60mm(nominal) size pvc(SINTEX) looping end box with hinged cover having one no.20 amp rating moulded fuse base &holder, 4amp NS type fuse and 4way connector to be used in the bottom of street light pole for cable termination as per electrical engg - in -charge and consoltant and complite as per electrical engg -in -charge and consultation	NO	51	<b>1100</b>	56100.00
8	<b>40008291</b> Supply and fixing of Earthing with GI earth pipe 3 meter long 40 mm dia Heavy Duty TATA make including accessories and providing masonary enclosure with cover plate having locking arrangement and water pipe etc with charcoal and salt as required.(Minimum 1.5 mtr distance from building & 3 mtr distance from earthing to earthing)	NO	2	<b>3730.35</b>	7460.70
9	<b>40008405</b> Supply & fixing of 90 Wt. LED Street light fitting comprises of Pressure die cast Aluminium housing powder coated in silver grey and toughened glass, Surge Arrester 1 No & 100lum/wt, Protection IP66 having LM 79 LM 80 tested including bulb,choke,cover,G.I bracket,clamp & nut bolt connecting wire with all accessories . (Make- CROMPTON(MODEL NO-TRP-412-90-57-SL-LM-NSG)/PHILIPS(MODEL NO-BRP033 LED90S 90W 9000LM)/WIPRO(MODEL NO-LR08-102-XXX-57-XX )	NO	24	<b>7567.59</b>	181622.16

	<p><b>40008415</b>  Supply &amp; fixing of 120 Wt. LED FLOOD light fitting comprises of Pressure die cast Aluminium housing powder coated in silver grey and toughened glass, Surge Arrester 1 No &amp; 100lum/wt, Protection IP66 having LM 79 LM 80 tested including bulb,choke,cover,G.I bracket,clamp &amp; nut bolt connecting wire with all accessories and as per instruction of Electrical Engineer-in-charge . (Make- CROMPTON(MODEL NO-TFS-504-120-57-60D-SL-GL-NSG/PHILIPS(MODEL NO-BVP142 LED100S 110W 11000)/WIPRO(MODEL NO-LF40-132-060-57-XX)</p>	NO	28	<b>11058.19</b>	309629.32
	<b>TOTAL RS.(PART-A)</b>				<b>728,270.54</b>
<b>PART-B</b>	<b>LIGHTNING PROTECTION SYSTEM</b>				
1	<p><b>40002086</b>  Air-Terminal Supply, Installation, Testing &amp; Commissioning of Early Streamer Emission (ESE-30))type Lightning Air Terminal. Supporting Mast 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. Protection Radius :- 48 Mtr Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	2	<b>99250</b>	198500.00
2	<p><b>40002089</b>  Lightning Strike Counter 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) Make :- ABB / STROMKING All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge.</p>	NO	2	<b>27250</b>	54500.00

3	<p><b>40002095</b>  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. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p>	NO	5	<b>16650</b>	83250.00
4	<p><b>40002098</b>  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. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge</p>	MTR	18	<b>154.73</b>	2785.14
5	<p><b>40002101</b>  Supply, Installation, Testing &amp; 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 &amp; 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 &amp; HRC Fuse :- HAVELLS / L&amp;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.</p>	NO	1	<b>18665</b>	18665.00
6	<p><b>40002720</b>  Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in surface/underground as required(sl no-5.5.2)(Make-KEI/FINOLEX/HAVELLS)</p>	MTR	60	<b>1068.44</b>	64106.40

7	<b>40003593</b> Supply & Erection of 12 mtr long Heavy gauge Tata MS stepped pole(6mtrx4inch and 6 mtr x 4 inch) with 2ft x2ft x 10mm MS Base plate and 30 cm x 30cm x6mm MS Top plate including fabrication,painting with 1 coat red oxide and 2 coat aluminium paint/12 mtr long heavy gauge G.I stepped pole with 4nos complete stay set for support of pole coupling and concrting along with all accessories complete as required and as per electrical engineer-in-Charge.	SET	2	<b>44714.99</b>	89429.98
<b>TOTAL RS.(PART-B)</b>					<b>511,236.52</b>
<b>Total Cost(PART-A+PART-B)</b>					<b>1,239,507.06</b>
<b>Cess @ 1%</b>					<b>12,395.07</b>
Total Estimated Cost					<b>1,251,902.13</b>
Total Estimated Cost in Figures					<b>1,251,902.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
Quoted Amount in Figure					
Quoted Amount in word					

N:B- The Estimated cost is exclusive of GST .

**Signature of Tenderer with seal**

Sd/-  
Asst. Project Manager (Elect)

Sd/-  
DM (Elect)I/C

Sd/-  
Project Manager(Elect)