

**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 :- 03 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF AREA ILLUMINATION WORK, INSTALLATION OF LIGHTNING PROTECTION SYSTEM AND CCTV FOR CAPF AT HATIGAON IN THE DIST. OF NAWARANGPUR.**

**BID REF NO :- 11/PM/ELECT/OPHWC/2023-24**

|                                     |  |      |      |                       |               |
|-------------------------------------|--|------|------|-----------------------|---------------|
| NAME &<br>ADDRESS<br>OF THE<br>FIRM |  |      |      |                       |               |
| SCHEDULE OF WORKS                   |  |      |      |                       |               |
| Sl. No.                             | Description of work  | Unit | Qty. | Estimated Cost in Rs. |               |
|                                     |  |      |      | RATE IN RS.           | AMOUNT IN RS. |
| PART-A                              | AREA ILLUMINATION  |      |      |                       |               |
| 1                                   | 40001030<br>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  | 170  | 261.76                | 44,499.20     |
| 1                                   | 40001123<br>Supply and fixing of Earthing with GI earth pipe 3 meter long 40 mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangement and water pipe etc with charcoal and salt as required( CSR Sl. No- 3.2, )       | NO   | 2    | 2479.26               | 4,958.52      |
| 2                                   | 40001126<br>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   | 27.49                 | 1,649.40      |

|   |   |     |      |               |             |
|---|---|-----|------|---------------|-------------|
| 3 | <b>40001319</b><br>Supply and fixing of 4sqmm service wire along with G.I wire for support of service wire including all accessories and connections from each quaters to energy meter(Make-Joshi/Multicab)   | MTR | 120  | <b>40.2</b>   | 4,824.00    |
| 4 | <b>40002116</b><br>Supply, erection & stringing of 1-phase 2-wire L.T line with (1X35 + 1 x25 ) mm <sup>2</sup> AB cable without pole.  | MTR | 1200 | <b>106.04</b> | 1,27,248.00 |
| 5 | <b>40002124</b><br>Supply & fixing of outdoor/indoor type 63A DPMCB panel having I/C-63 A DPMCB-01 No & 63 Amp 2P Change Over,Outgoing -02 Nos 32 Amp DPMCB & 02 nos 32 A DP switch with powder coating all accessories & connectionMake a)MCB/MCCB-legrand/schneider/abb/,L &T/Anchor/Panasonic (b)Voltmeter/Ametre-AE/CAPPA   | NO  | 2    | <b>20125</b>  | 40,250.00   |
| 8 | <b>40002126</b><br>Supply & Fixing of 40 mm dia 3 mtr long GI pipe including fixing and connections as per instruction of Electrical Engineer-in-charge.  | NO  | 2    | <b>580.29</b> | 1,160.58    |
| 9 | <b>40002201</b><br>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  | 40   | <b>1100</b>   | 44,000.00   |

|               |   |     |     |          |             |
|---------------|---|-----|-----|----------|-------------|
| 12            | 40002334<br>Supply & 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 & 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 and as per instruction of Electrical Engineer-in-charge . (Make-HAVELLS/ WIPRO/ PHILIPS/ CROMPTON/ PANASONIC) | NO  | 40  | 8083.35  | 3,23,334.00 |
|               | <b>PART-A</b>   |     |     |          | 5,91,923.70 |
| <b>PART-B</b> | <b>CCTV</b>   |     |     |          |             |
| 1             | 40003438<br>Supply & fixing of 4U Wall Mounted Rack with Accessories  | NO  | 2   | 4364.4   | 8,728.80    |
| 2             | 40003629<br>Network Video Recorder of 4 Channels Make - CP Plus/ Ventage  | NO  | 2   | 4956     | 9,912.00    |
| 3             | 40003631<br>IP 2 MP 200 Mtr. PTZ Speed DOME Camera 30X Zoom Make - CP Plus/ Ventage   | NO  | 2   | 46610.16 | 93,220.32   |
| 4             | 40003633<br>Giga Switch 8 ports Make- D Link.   | NO  | 2   | 2330.5   | 4,661.00    |
| 5             | 40003635<br>2 TB Surveillance HDD, Make- SEGATE/WD  | NO  | 2   | 4576.27  | 9,152.54    |
| 6             | 40003637<br>Monitor LED 32 Inches or Higher, Full HD Make - Samsung /LG   | NO  | 2   | 15254.23 | 30,508.46   |
| 7             | 40003639<br>Media Converter   | NO  | 4   | 5720     | 22,880.00   |
| 8             | 40003641<br>OFC Patch Cord & ILU Box  | NO  | 4   | 576.27   | 2,305.08    |
| 9             | 40003643<br>Opt. Fibre Cable 6 core Cable & wiring & Material   | MTR | 600 | 42.37    | 25,422.00   |

|               |  |    |   |                |                    |
|---------------|--|----|---|----------------|--------------------|
| 10            | <b>40003647</b><br><b>Media Converter installation &amp; Cable slicing</b>   | NO | 4 | <b>2033.89</b> | 8,135.56           |
| 11            | <b>40003650</b><br><b>Hardware installation charges</b>  | NO | 2 | <b>508.17</b>  | 1,016.34           |
| 12            | <b>40004269</b><br><b>Supply of of RJ 45 Connector (Make-D-Link)</b>   | NO | 8 | <b>166.1</b>   | 1,328.80           |
| 13            | <b>40004273</b><br><b>Fixing of 4U RACK</b>  | NO | 2 | <b>216.1</b>   | 432.20             |
|               | <b>PART-B</b>  |    |   |                | <b>2,17,703.10</b> |
| <b>PART-C</b> | <b>LIGHTNING PROTECTION SYSTEM</b>   |    |   |                |                    |
| 1             | <b>40002086</b><br><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.</b> | NO | 2 | <b>99250</b>   | 1,98,500.00        |

|   |   |     |    |               |           |
|---|---|-----|----|---------------|-----------|
| 2 | <b>40002089</b><br><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.</b> | NO  | 2  | <b>27250</b>  | 54,500.00 |
| 3 | <b>40002095</b><br><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.</b>  | NO  | 5  | <b>16650</b>  | 83,250.00 |
| 4 | <b>40002098</b><br><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</b>  | MTR | 18 | <b>154.73</b> | 2,785.14  |

|        |   |         |    |                 |                     |
|--------|---|---------|----|-----------------|---------------------|
| 5      | <b>40002101</b><br>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. [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 & HRC Fuse :- HAVELLS / L&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. | NO      | 1  | <b>18665</b>    | 18,665.00           |
| 6      | <b>40002720</b><br>Supply and laying of 70sqmm single core FR PVC insulated unseathed copper conductor for voltage grade 1100 volt as per IS-694 in sur face/underground as required(sl no- 5.5.2)(Make-KEI/FINOLEX/HAVELLS)  | MTR     | 60 | <b>1038.57</b>  | 62,314.20           |
| 7      | <b>40003593</b><br>Supply & Erection of 12 mtr long Heavy gyage Tata MS stepd 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, 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> | 89,429.98           |
|        | <b>PART-C</b>   |         |    |                 | 5,09,444.32         |
|        | <b>Total Cost(PART-A+PART-B+PART-C)</b>   |         |    |                 | <b>1319071.12</b>   |
|        | <b>Cess @1%</b>   |         |    |                 | <b>13190.71</b>     |
|        | <b>Total Estimated Cost</b>   |         |    |                 | <b>13,32,261.83</b> |
|        | <b>Total Estimated Cost in Figures</b>  |         |    |                 | <b>13,32,262.00</b> |
| EXCESS | <input type="text"/> LESS <input type="text"/> (Please Tick)  | _____ % |    |                 |                     |

|                         |  |
|-------------------------|--|
| Quoted Amount in Figure |  |
| Quoted Amount in words  |  |

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

**Signature of Tenderer with seal**

**Sd/-  
Asst. Project Manager[Elect.]**

**Sd/-  
APM (Elect.) Hqr.**

**Sd/-  
Project Manager(Elect.)**