

Tender Inviting Authority: JOINT MANAGER [ELECTRICAL DIVISION] ,
THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD,

Name of work :-SUPPLY & FIXING OF AC WIRING & FIXTURE & LIGHTENING PROTECTION SYSTEM AT COURT BUILDING OF CIVIL JUDGE SENIOR DIVISION AT ANANDPUR IN THE DIST. OF KEONJHAR.

Contract No: BID REF NO.-20/JM/ ELECT/OPHWC/2019-20

Bidder
Name

SCHEDULE OF WORKS

| Sl. No. | Description of work | Qty. | Unit | Estimated Rate | AMOUNT Rs. |
|----------|---|------|------|----------------|---------------|
| A | AC WIRING & FIXTURE | | | | |
| 1 | Point wiring for 15/16 amp socket(For AC) outlet with 4.0sq.mm FR PVC insulated single core multistrand copper conductor ISI marked in recess 20 mm dia non metallic PVC flexible conduit with 32 Amp, 1 way DP modular type switch , phenolic laminated sheet suitable size ISI marked MS Box & earthing Point with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing etc as required as per direction of Engineer in charge .(Make of (a)wire Finolex / L &T / Anchor / Havels/ V guard/HPL(b) Switch /socket- ANCHOR/HAVELLS/L&T /LEGRAND/ ABB) | 40 | Nos | 953.99 | 38159.6 |
| 2 | Supply and fixing of 4 way mcb Box (4+12) with 63 amp 4P Isolator/ 4PMCB & 12 nos 32 amp SPMCB with sheet steel encloser , distribution board, on surface/ recess, complete with tinned copper bus bar , neutral bus bar, earth bar, din bar , detachable gland plate, interconnection ,phosphate and power painted including earthing etc as required. (Sl.No- 2.7.4, 2.5<(>&<)> 2.9)Make-MCB-Legrand/L&T/ABB) | 3 | Set | 4044.38 | 12133.14 |
| 3 | Recessed wiring to submain in 2 x 6 sqmm FR PVC insulated single core multistarnd copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non metallic heavy duty flexible conduit 1.6 mm thick along with 1 x 2.5 sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required from BDB AC to AC point (Make of wire Finolex / L &T / Anchor / Havels/ V guard/HPL) | 800 | Mtr | 179.98 | 143984.00 |

| | | | | | |
|----------|--|----|-----|-----------|------------|
| 4 | Recessed wiring to submain in 4 x 16 sqmm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non metallic heavy duty flexible conduit 1.6 mm thick along with 2 x 6 sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required from MDB AC to BDB AC (Make of wire Finolex / L & T / Anchor / Havels / V guard/HPL) (CSR SL .No- 1.8.11) | 90 | Mtr | 608.4 | 54756.00 |
| 5 | Supply and installation of 1.5Tr. Split type Air Conditioner (3 Star) of reputed brand with supply and fixing of 5 KVA ,130-280 Volt voltage range wall/floor mounted stabiliser including all accessories,fastner angle copper piping up to 15ft & connections as per instruction of Electrical Engineer-in-charge MAKE of A.C. – CARRIER /MAKE – BLUE STAR, , MAKE OF STABILIZER- JYOTI/SHAKTI/ AUTOTEK | 16 | No | 49450.00 | 791200.00 |
| 6 | Supply and installation of 2.0Tr. Split type Air Conditioner (3 Star) of reputed brand with supply and fixing of 6 KVA ,130-280 Volt voltage range wall/floor mounted stabiliser including all accessories,fastner angle copper piping up to 15ft & connections as per instruction of Electrical Engineer-in-charge MAKE of A.C. – CARRIER /MAKE – BLUE STAR, , MAKE OF STABILIZER- JYOTI/SHAKTI/ AUTOTEK | 38 | No | 60375.00 | 2294250.00 |
| B | LIGHTENING PROTECTION SYSTEM | | | | |
| 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 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><u>Protection Radius :- 48 Mtr.</u> 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> | 1 | No | 97,850.00 | 97,850.00 |

| | | | | | |
|---|---|----|------|-----------|-----------|
| 2 | <p><u>Lightning Strike Counter</u> 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) Make :- ABB / STROMKING / POWER TRAC All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p> | 1 | No | 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. Make of PVC Pipe :- AKG / KINJAL / ORIPLAST S..(CSR SL . NO- 3.11) .</p> | 35 | Mtr. | 509.11 | 17,818.85 |
| 4 | <p>Supply, Installation, Testing & 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> | 3 | No | 15,200.00 | 45,600.00 |
| 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. Make :- FINOLEX / ANCHOR / HAVELLS All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p> | 18 | Mtr | 154.73 | 2,785.14 |

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|---|---|---|----|-----------|-------------------|
| 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> <p>All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.</p> | 1 | No | 18,665.00 | 18,665.00 |
| | CESS | | | | 35422.02 |
| | Total Rs. | | | | 3577623.75 |
| | Total Estimated Cost in Figures. | | | | 3577624.00 |
| <p>EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) _____%</p> | | | | | |
| Quoted Amount in Figures. | | | | | |
| Quoted Amount in words | | | | | |

N.B-The Estimate Cost is Exclusive of G.S.T

Signature of Tenderer with seal

Sd/-
Asst. Project Manager (Elect.)

Sd/-
Asst. Project Manager Elect.(Hqr)

Sd/-
Consultant (Elect.)

Sd/-
Joint Manager (Elect.)