

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
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 [Electrical Division]
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PRICE BID FOR THE WORK UNDER SL. NO :- 04 AS PER IFB

NAME OF THE WORK :- EXECUTION OF AREA ILLUMINATION, LIGHTNING PROTECTION SYSTEM AND INTERNAL ELECTRIFICATION WORK OF HOSTEL AND KALAHANDI UNIVERSITY PREMISES ,KALAHANDI.

BID REF NO :- 80/PM/ELECT/OPHWC/2023-24

**NAME &
ADDRESS
OF THE
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	40001027 Supply and laying of 10 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	200	241.15	48,230.00
2	40001123 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 SI. No- 3.2,)	NO	4	2479.26	9,917.04
3	40001126 providing and fixing 8 SWG(4mm)dia copper wire on surface or in recess for loop earthing as required (sl no-3.18)	RFT	200	27.49	5,498.00

4	40001367 Supply and laying of 16 sq.mm 4 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.(MAKE CABLE - FINOLEX/ HAVELLS/ POLYCAB/ KEI)	MTR	850	299.06	254,201.00
5	40002155 Supply and fixing of 16 sq.mm 04 core PVC Al. Arm Cable of 1.1 KV grade end termination.	SET	60	213.34	12,800.40
6	40002191 Supply & Fixing of 2 core 10 sqmm Cable end termination	NO	6	145.46	872.76
7	40002201 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 consultant and complete as per electrical engg -in -charge and consultation	NO	13	1100	14,300.00
8	40002239 Supply and laying of 2.5Sqmm 3 Core Copper Cable 20 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick (Make of wire Finolex/L &T/Anchor/Havells/V Guard)	MTR	520	89.66	46,623.20
9	40002299 Supply & fixing of 70/72 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 and as per instruction of Electrical Engineer-in-charge . (Make- HAVELLS/ WIPRO/ PHILIPS/ CROMPTON/ PANASONIC)	NO	50	5209.5	260,475.00

10	40002328 Supply & fixing of 70/72 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	6	5681	34,086.00
11	40002334 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	7	8083.35	56,583.45

12	<p>40002351 Supply & erection of 7.0 Mtr galvanized Octagonal pole ,continuously tapered,single piece,3mm thick,The face to face dimension is 130mm at bottom and 70mm at top dia.base plate.size is 200 x 200 x12 mm thick The pole should be manufactured from special steel plate suitable for lighting Arrangement System ,Galvanized Founation bolt specification of bolt length 600mm circle dia 200mm bolt size 20mm,Template size is 200mm PCD,thickness 3mm with 10/4 Bakelite Cover,63 Amp 4 way Stud Connector-01No,10 Amp SPMCB-01 No,MCB Channel-01 No,Mudguard Nut,Bolt & washer-06 Nos,Aluminium Socket-08 Nos.(make-Bajaj/havells/RR-ISPAT)</p>	NO	30	19369	581,070.00
13	<p>40002353 Supply and fixing of 1mtr. Long Galvanized deocartive single arm welded with top canopy at an angle of 120 degree with the pole.The outer dia of arms are 46mm,4 nutbolts suitable for 70mm Top.</p>	NO	10	2224	22,240.00
14	<p>40002355 Supply and fixing of 1mtr. Long Galvanized deocartive double arm welded with top canopy at an angle of 120 degree with the pole.The outer dia of arms are 46mm,4 nutbolts suitable for 70mm Top.</p>	NO	20	3253	65,060.00
15	<p>40006875 Supply and fixing of Incoming 1NO,63 AMP 4P MCB,415 V and Outgoing 3 NOS 40AMP 4PMCB with stunt connector,3 NOS 32AMP DPMCB and connections As per instruction of electrical engineer -in-charge [Make-(a)MCB /MCCB - Legrand/ Schnider/L&T/ ABB, (b)Volt meter, Ammeter-AE/CAPPA, (d) all other acessories ISI mark]</p>	SET	2	29843	59,686.00
	PART-A				1,471,642.85
	INTERNAL ELECTRIFICATION				

16	40001126 providing and fixing 8 SWG(4mm)dia copper wire on surface or in recess for loop earthing as required (sl no-3.18) Ground Floor	RFT	200	27.49	5,498.00
17	40002095 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. Ground Floor	NO	3	16650	49,950.00
18	40002182 Supply and laying of 185 sq.mm 3.5 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 -25 sl no-5.1.2) Ground Floor	MTR	200	1158.93	231,786.00
19	40006158 Supply and fixing of 185sqmm 3.5 core Cable end termination including all accessories and connections. Ground Floor	NO	4	601.26	2,405.04

20	<p>40006873 Main Distribution Board -Incoming power Distribution panel/ board suitable for flush mounted type made of 14 SWG sheet with MS angles channels suitable sizes, gasket, powder coated, top <(><<)>(>&<(> <<)>)> bottom terminals and properly painted with anticorrosive primer and paints, comprising the following: [Make-(a) MCB/MCCB- Legrand/L <(><<)>(>&<(><<)>)>T/ABB/SCHNIDER/ ANCHOR-PANASONIC(b)-Voltmeter, Ammeter-AE/CAPPA (d) all other accessories ISI mark] Incoming- 1 No 600 Amp FP MCCB [50 kA] Busbar : 4 Nos 800A, 500V Electrolytic copper strips Outgoing - 6 nos 125Amp 4PMCCB & 6 nos 63 Amp FPole MCCB Busbar : 4 Nos 500A, 500V Electrolytic copper strips 200 Amp FP Change Over Instrument - 03 Nos. Multi-function meters showing voltage, current, pf, frequency, MD and THD with required 500/5A CTs 03 Nos : LED type phase indicating lamps with control fuses <(><<)>(> &<(><<)>)> Ground Floor</p>	SET	1	458651	458,651.00
	PART-B	MTR	250		748,290.04
PART-C	LIGHTNING PROTECTION SYSTEM				

21	<p>40002086 Air-Terminal Supply, Installation, Testing & 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. Ground Floor</p>	NO	6	99250	595,500.00
22	<p>40002089 Lightning Strike Counter 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 All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. Engineer-in-Charge. Ground Floor</p>	NO	6	27250	163,500.00

23	<p>40002095 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. Ground Floor</p>	NO	13	16650	216,450.00
24	<p>40002098 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 Ground Floor</p>	MTR	30	154.73	4,641.90
25	<p>40002101 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. Ground Floor</p>	NO	1	18665	18,665.00

26	40002720 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) Ground Floor	MTR	250	1038.57	259,642.50
	PART-C				1,258,399.40
	Total Cost(PART-A+PART-B+PART-C)				3478332.29
	Cess @1%				34783.32
	Total Estimated Cost				3,513,115.61
	Total Estimated Cost in Figures				3,513,116.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (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.)