

TENDER INVITING AUTHORITY: JOINT MANAGER (ELECTRICAL DIVISION),THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD, BHUBANESWAR

Name of work :- AREA ILLUMINATION WORK (STREET LIGHT) FOR SENIOR TEACHER QUARTERS AT SAMBALPUR UNIVERSITY.

Contract No: BID REF NO.- 32 /JM/ ELECT/OPHC/2020-21

Bidder Name

SCHEDULE OF WORKS

Sl. No.	Description of work	Qty.	Unit	Estimated Rate	AMOUNT Rs.
	<u>A :- SUPPLY</u>				
1	Supply of 7 mtr long galvanised tubular pole with single arm & inbuilt JB arrangement . (Top-70mm, Bottom- 135 mm, Thickness - 3mm, Base Plate- 220x220x12 mm , 220 mm PCD) Make- Crompton/ Utkarsh	Nos	14	16,949.15	237,288.10
2	Supply of 7 mtr long galvanised tubular pole with double arm & inbuilt JB arrangement . (Top-70mm, Bottom- 135 mm, Thickness - 3mm, Base Plate- 220x220x12 mm , 220 mm PCD) Make- Crompton/ Utkarsh	Nos	3	17,950.00	53,850.00
3	Supply of M 20 Foundation Bolt with double nut and single washer	Nos	17	1,650.00	28,050.00
4	Supply of Template	Set	17	250.00	4,250.00
5	Supply of Junction box material with 10 Amp SPMCB & 63 Amp Connector with Bakelite Sheet	Set	17	650.00	11,050.00
6	Supply & fixing of 70 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 (Make-CROMPTON/ PHILIPS/ WIPRO)	Set	20	8,458.25	169,165.00
7	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 with bulb,choke,cover,G.I bracket,clamp & nut bolt connecting wire all accessories (Make-CROMPTON/ PHILIPS/ WIPRO)	Set	50	10,376.45	518,822.50

8	Supply of outdoor type auxillary panel board made out from 20guage thick CR Sheet duly painted with clamping arrangement to be fixed on street light pole equipped with 04 nos bus bar 03 nos indication lamp with 1 No toggle switch ,1 no timer switch , 1 No Stud type 4 way terminal (I/P) 63 Amp) 1 No 63A TPN MCB, 1 No 3 Pole Contractor 65 A, 1 No Single Pole MCB 10A, 3 Nos 16 amp TPN MCB , 3 Nos Stud type , 4 way terminal (O/P) 63 A with earthing arrangement. Make ABB,L&T,Siemens and C&S.	Set	1	23,000.00	23,000.00
9	Supply of 40mm Dia HDPE Pipe ,PE 63grade,04MPA,2.0 wall thickness. Make :- Ori Plast/Hari plast	Mtr.	425	62.00	26,350.00
10	Supply of 2.5 sq.mm / 3 core copper flexible wire for wiring of above pole from panel box to light fitting .	Mtr.	200	65.97	13,194.00
11	Supply and laying of 10 sq.mm 2 core PVC Al. Arm Cableof 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning , protective covering and refilling the trench etc. as required.(Make-Finolex/Havells/ Polycab)	Mtr.	240	235.02	56,404.80
12	Supply and laying of 16 sq.mm 2 core PVC Al. Arm Cableof 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning , protective covering and refilling the trench etc. as required.(Make-Finolex/Havells/ Polycab)	Mtr.	260	255.63	66,463.80
13	Supply and fixing of earthing including 38 mm. dia. 3 mtr. long G.I pipe[Heavy Duty].The pipe shall have 12 mm. dia. perforated holes at 15 cm centre to centre up to 2.5 mtrs height from the bottom and fitted with a 38 mm. dia. G.I flange at the top with provision of holes for making connection of earth continuity wire,complete with masonry work for earth pit chamber.The earth pit shall have an alternative layer of 105 mm. charcoal and 50 mm. salt up to a depth of 465 mm. and rest shall be filled with charcoal to a further depth of 2035 mm. The earth pit should maintain a minium clearance 1.5 mtr. from building & 2 mtr. in between two earth pit and as per instruction of Electrical Engineer-in-charge.	Nos	2	2,411.18	4,822.36
14	Supply and fixing of sub earthing with No-8 bare copper wire as earth Continuity wire from Main pannel board to earth electrode inside the wall/ground to a depth of 50 mm. and make good of the wall/ground including all connections.	Rft	80	26.50	2,120.00

15	Supply, installation, testing and commissioning of GI coil earthing including excavation of earth pit in all kinds of soil/rock filling with charcoal & salt, connections to earthing stids/ bolt of the pole complete including supply of all materials.	Nos	17	240.00	4,080.00
<u>B :- ERECTION</u>					
16	Civil Foundation, Errection with testing & commissioning of pole including supply of materials and labour (CC ratio @ 1:2:4)	Nos	17	9,850.00	167,450.00
17	Cable laying & connection inside the HDPE Pipe under the earth from pole to pole (Trench depth 1'6", Sand filling 6")	Mtr.	425	85.00	36,125.00
Total Estimated Cost in Figures.					1422485.56
SAY RS.					1422486.00

EXCESS <input type="checkbox"/>	LESS <input type="checkbox"/>	(Please Tick)	_____ %
Quoted Amount in Figures.			
Quoted Amount in words			

N.B-The Estimate Cost is Exclusive of G.S.T i.e. @ 12%

Signature of Tenderer with seal

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

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

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