

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 :- 04 AS PER IFB**NAME OF THE WORK :- SUPPLY AND INSTALLATION OF 9 MTR. HIGH SINGLE ARM GALVANIZED OCTAGONAL POLE WITH 250 WATT LED STREET LIGHT FITTINGS FOR ILLUMINATION OF PARADEEP-JAIPUR ROAD FROM DOCHHAKI TOWARDS JAIPUR INCLUDING MAINTENANCE CHARGES & ELECTRICITY CHARGES FOR 3 YEARS (2.5 K.M) IN THE DISTRICT OF JAGATSINGHPUR.****BID REF NO :- 88/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.
1	40001036 Supply and laying of 35 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)(MAKE CABLE - FINOLEX/ HAVELLS/ POLYCAB/ KEI)	MTR	307	387.21	118873.47
2	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	2893	301.55	872384.15
3	40002092 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.	MTR	150	509.11	76366.50
4	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.	NO	12	16650	199800.00
5	40002360 Supply and fixing of 40mm dia HDPE pipe -PE 80 grade PN-6. 2.0 wall thickness	MTR	2448	106.95	261813.60
6	40007065 SITC of PVC insulated multi core electrical un armored flexible 3C x 1.5Sq mm power cable having less electrical losses. This PVC insulated and round sheathed wire features a bright multi strands copper conductors and it supports voltage grade up to 1100V. (As per actuals depending upon the site condition)(Make-Polycab / Walna / SBEE)	MTR	1080	96.75	104490.00

7	<p>40010353 Supply of 3-phase street light panel 2 mm CR sheet Powder Coted , box size 500 x 400 x 250 mm , D.B with 63A TP power contactor - 01 , 63A TPN MCB - 01 ,protection, 24 hr programmable Anlog time switch - 01 ,R,Y,B Indicator - 03 , 10 A Auto manual switch - 01, 32 A DP MCB for contral fuse -3 , 4 way stud connector for both incomming and out going , locking facility(Make-[Make-(a) MCB/MCCB- Legrand/L &T/ABB/SCHNEIDER(b)- Voltmeter, Ammeter-AE/CAPPA (c) ALL OTHER ACCESSORIES ISI MARK]</p>	NO	6	54245	325470.00
8	<p>40010361 Supply & fixing of 9mtr high Octagonal GI PU Painted pole shall be designed to withstand the maximum wind250km/hr speed as per IS 875. The top loading i.e. area and theweight of fixtures are to be considered to calculate maximum deflection of the pole and the same shall meet the requirement of BSEN 40-3-3:2003. Octagonal Poles made from HT Steel Conforming to grade S355 & having thicknessof 3mm.Top dia 70mm & Bottom dia 175mm single sharp welding with base plate dimension 320x320x16 mm & Base Plate must be Fe 410 conforming to IS 2062, foundation bolts must EN 8 grade & bolts size 260mm,Bolt 1must be 4X24mm dia,PCD length 750mm long.The door opening of the pole should be reinforced,water proofed & with locking arrangement & arrangement of in build junction box with 2nos 6Amp MCB (mcbs make should be T/SIEMENS /LEGRAND/ ABB) & terminal box with provision for connection of earth & nutral on 5mm thick fiber plate which will be kept in side the pole for termination of cable & wire,The pole shaft shall have octagonal cross section and shall be continuously tapered with single longitudinal welding. There shall not be any circumferential welding. The welding of pole shaft shall be done by Submerged Arc Welding (SAW) process.The poles shall be hot dip galvanized in single dipping as per BS EN ISO 1461 standards with average coating thickness of 70 micron (Make-RR Ispat/Bajaj) Ground Floor</p>	NO	90	38134	3432060.00
9	<p>40010363 Supply & fixing of 1500mm long GI with Pu painted single arm decorative swrod arm bracket with decorative dome & ball. (Total bracket length is Approx 3mtr for bracket with large type swrod arrow corners)(Make-RR Ispat/Bajaj)</p>	NO	90	8280	745200.00
10	<p>40010365 Supply & fixing of 4 Nos M24 x750 mm long j type foundation bolt. Ground Floor</p>	NO	90	2760	248400.00
11	<p>40010367 Suppy & fixing of of 250W LEDs Light New generation energy saving and environmental friendly long life LED street light made up of pressure die cast aluminium housing with high efficiency LEDs as lighting source and lens embedded PC cover having TOP Opening seperate driver compartment with IP66 protection and impact resistance of IK09. having with aestheticaly designed pressure die cast aluminium housing with top opening service cover with powder coated metallic grey finish Light source: High efficiency long life LED module with SMO LED pakage mounted on MCPCB, Lumen efficany of LED > 175lm/w. Mounting & Maintenance suitable for suitable for side entry pole mounting with bracket arm OD54 mm Rocommended mounting height with suitable inground reinforcement is 9-10Mtr.system high power w 250 w, Nominal Voltage 200-240 VAC , Mains Current 0.720 A, Power Factor > 0.95 , THD (%) <(> <<)>10 , Colour Temp (cct) 5700K, CRI(Ra) >70, System Lumens(lm) 33750lm, Colour of Fixture Grey, Weight (kg) 3.5 kg. Dinension system power 250 w, Length 308m, width (w) 257mm , hEIGHT(H) 83MM , Mounting Hole Distance (D) 54 mm with IP 66 Protection. (Make-Havells-ENDURA PEARL MAGPGENL/ PANASONIC- PSTM23RS8)</p>	NO	90	32982	2968380.00

12	40010369 Supply & laying of 75mm Dia HDPE pipe PN - 6 PN - 80 required for cable laying. Make - Magunm, Supreme, Sudhakar.	NO	310	281.75	87342.50
13	40010371 Providing & fixing of spike or running earthing for poles Ground Floor	NO	90	809	72810.00
14	40010381 Construction of R.C.C. Foundation of 9 mtr street lighting pole along with all materials & labour.(breaking of concrete including labour & materials charges included)	NO	90	8250	742500.00
15	40010383 Annual Maintenance Charges Extra for 2nd year @ 10% on Gross Value.	NO	1	1025800.46	1025800.46
16	40010385 Annual Maintenance Charges Extra for 3rd year @ 15% on Gross Value.	NO	1	1538700	1538700.00
17	40010387 Total Electricity charges for 36 Month	NO	1	1830672	1830672.00
18	40010389 Security Deposit Charges @4000.00	NO	23	4000	92000.00
	Total Cost Rs.				14743062.68
					147430.63
	Total Estimated Cost				14,890,493.31
	Total Estimated Cost in Figures				14,890,493.00
EXCESS	<input type="checkbox"/> <input type="checkbox"/> LESS (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/-
D.M I/C (Elect)

Sd/-
Project Manager(Elect)