

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 :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF AREA ILLUMINATION WORK AND INSTALLATION OF D.G SET & LED SIGNAGE AT JMFC COURT BUILDING, TIGIRIA IN THE DISTRICT OF CUTTACK.

BID REF NO :- 70/PM/ELECT/OPHWC/2022-23

NAME & ADDRESS OF THE FIRM	
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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 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	675	260.31	1,75,709.25
2	40001033 Supply and laying of 25 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- 5.1.1)(Make Cable-Finolex/ Havells/Polycab/KEI)	MTR	45	337.88	15,204.60
3	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 Sl. No- 3.2,)	NO	2	2463.16	4,926.32
4	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	40	27.26	1,090.40
5	40001883 Recessed wiring to Gate light Point (MODULAR)with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non metallic PVC flexible conduit with 5 Amp, 250 V one way modular switch ISI marked and ceiling rose ISI marked mounted on MS Box having front bakelight cover of suitable size, MS Box with 1.0 sq. FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in charge . (Make of wire Finolex / L & T / Anchor / Havels/ V guard)(Make-switch/socket-Legrand /Wipro /Anchor /havells /Panasonic)	NO	12	966.48	11,597.76
6	40002196 Supply and fixing of 40WT led decorative post top lantern model-JGM-BLK-LGTP040XW (Make- CROMPTON/ PHILIPS/ WIPRO/HAVELLS/PANASONIC)	NO	6	9870.45	59,222.70

7	40002198 Construction of light post base with inside opening of following size complete including excavation of pit,PPC Padding,250 mm thick brick walls on all sides,1:6 cement plastering of the wall side,top & complete as required as per electrical engg -in -charge and consultation 300mm x 300mm x 750mm	NO	21	1966.19	41,289.99
8	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 consoltant and complite as per electrical engg -in -charge and consultation	NO	21	1100	23,100.00
9	40002239 Supply and laying of 2.5Sqmm 3 Core Cupper Cable 20 mm dia non-metalic heavy duty flexible conduit 1.6 mm thick (Make of wire Finolex/L &T/Anchor/Havels/V Guard)	MTR	48	89.66	4,303.68
10	40002320 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 having LM 79 LM 80 tested includingbulb,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	23	7916.6	1,82,081.80
11	40002338 Supply & fixing of 200 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	3	12976.11	38,928.33
12	40002351 Supply & erection of 7.0 Mtr galvanized Octagonal pole ,continously 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 Foundation 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)	NO	18	19369	3,48,642.00
13	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.	NO	13	2224	28,912.00
14	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.	NO	5	3253	16,265.00

15	40002360 Supply and fixing of 40mm dia HDPE pipe -PE 80 grade PN-6. 2.0 wall thickness	MTR	675	93	62,775.00
16	40005286 Supply & fixing of 30 Wt. TRACK Light complete set including fixing and connections as per instruction of Electrical Engineer in-charge.[MAKE- PHILIPS / CROMPTON/ WIPRO]	NO	6	2728.95	16,373.70
17	40005342 Supply and fixing of 16/25 cable gland and complete as per electrical engineer in-charge	NO	21	183.2	3,847.20
18	40005380 Supply & laying of 25mm PVC flexible pipe complete as per electrical engg -in -charge and consultation	MTR	48	95.31	4,574.88
19	40005392 Recessed wiring to Track Light Point (MODULAR) with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non metallic PVC flexible conduit with 5 Amp, 250 V one way modular switch ISI marked and ceiling rose ISI marked mounted on MS Box having front bakelight cover of suitable size, MS Box with 1.0 sq. FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in charge . (Make of wire Finolex / L &T / Anchor / Havels/ V guard) Make-switch /etc-Legrand /Wipro /Anchor /havells /Panasonic)	NO	6	975.36	5,852.16
20	40005394 Supply of outdoor type auxiliary panel board made out from 20 gauge 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 Digital timer switch, 1 No Stud type 4 way terminal (I/P) 63 Amp) 1 No 63A TPN MCB, 1 No 3 Pole Contractor 63 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.	NO	2	23000	46,000.00
	TOTAL RS.				10,90,696.77
PART-B	D.G SET				
1	40001012 Recessed wiring to submain in 4 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 2 x 2.5 sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required (Make of wire Finolex / L &T / Anchor / Havels/ V guard) (CSR SL .No- 1.8.10)	MTR	10	286.49	2,864.90
2	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	10	27.26	272.60

3	<p>40001334 Recessed wiring to submain in 4 x 16 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 2 x 10 sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required (Make of wire Finolex / L & T / Anchor / Havells/ V guard) (CSR SL .No- 1.8.12)</p>	MTR	6	618.09	3,708.54
4	<p>40002536 Supply and Fixing of 63 Amp four pole changeover .including allaccessories and connections as per instruction of Electrical nginee r-in- Charge. [make-(a)Mcb /Mccb - Legrand/ Schnider/Havells Crabtree/ ABB, (b)volt meter, ammeter- AE/IMP, (d) all other accessories ISI mark]</p>	SET	1	8797.5	8,797.50
5	<p>40005288 Design, supply, erection, testing and commissioning of 20 KVA silent type DG set(Only for light, fan , computer & 1 no Acquaguard point) with AMF, 440 V three phase 1500 RPM ,50HZ ,3 Cylinder with 4 nos earthing, 63 AMP 4 POLE CHANGE OVER ,ms pipe exhaust system, residual silencer, thermal logging and cladding of exhaust pipe complete , D.G. Plinth & Shed as per specification as required and as per direction of engineer-in-charge. Make- Kirloskar/ Mahindra Powerol Ltd/Cumins .</p>	NO	1	590847.45	5,90,847.45
	Total Rs.				6,06,490.99
PART-C	LED SIGNAGE				
1	<p>Fabrication & Supply of LED BLOCK LETTERS Signage Area: 32ft X 7ft =224 sft@1700/- per Sft LETTER Height - As per design 1st Line - ଦେଖାନ୍ତା ଜଜ୍ ତଥା ଜେ. ଏମ୍. ଏଫ୍. ସିଂଙ୍କ ଅବାଲତ, - Letter Height: 20 inch, Length: 328 inch 2nd Line - ଚିରିରିଆ, ଜିଲ୍ଲା - କଟକ- Letter Height: 20 inch, Length: 175 inch 3rd Line -COURT OF THE CIVIL JUDGE-CUM- J.M.F.C.- Letter Height: 15 inch, Length:330 inch 4th Line - TIGIRIA, DIST.- CUTTACK - Letter Height : 15 inch, Length : 210 inch Logo - As per design (Length 7ft X 4ft height) Specification for letters : 3d letters with computerized laser cutting (3mm imported) Letter rasing 2"/3" with PVC Female structure. LED Modules: 4000 numbers approx. , IP 67 water and dust resistant for internal letter illumination . Power supplies : 400 watt (12 no) with 1 yr. warranty Area of Signage : 32'x 7' =224 Sq.ft @ 1700/Sq ft</p>	Job	1	3,80,800.00	3,80,800.00
2	<p>Structural work as per requirement for the above Board- Design attached (A) M.S. Angle : 50X50X5= 12 rft. X 10 nos = 120 rft (B) M.S. Angle : 50X50X5= 5 rft. X 5 nos = 25 rft (C) M.S. Angle : 50X50X5= 3 rft. X 5 nos = 15 rft (D) For concrete Pillar = 1.5 rft x 10 nos = 15rft TOTAL = 175 RFT = 53.35 Rmt. @ 3.80 Kg / Rmt = 202.74 kg @ 76.13= 15,434.89 Ms Hollow Pipe Section (2" x 1")/ 50 x25x2.5mm 30 rft x 14 nos= 420 rft= 128.05 Rmt @ 3.24 kg/ Rmt = 414.88 Kg @ 76.13 Kg= 31,584.67 Nut Bolt and clamp- 6000.00 Labour Charges- 5000.00</p>	Job	1	58,018.56	58,018.56
3	<p>Cement Concrete Pillars (Size -1.6ft X 1.6ft X 1.6ft) 10 nos. pillar @ 1,018.32/- = 10,189.32/- Labour = 9,000/-</p>	Job	1	19,189.31	19,189.31

4	Transportation Charges	Job	1	5,000.00	5,000.00
	TOTAL RS.				4,63,007.87
	Total Cost(PART-A+PART-B+PART-C)				21,60,195.63
	Cess @1%				21,601.96
	Total Estimated Cost				21,81,797.59
	Total Estimated Cost in Figures				21,81,798.00
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.)