

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 :- 23 AS PER IFB

NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO POLICE STATION BUILDING AT NIKIRAI IN THE DISTRICT OF KENDRAPADA.

BID REF NO.- 50/JM/ELECT/OPHWC/2020-21

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	AMOUNT (RS)		
				RATE (RS)	Transformer/Breaker/Joist Pole	PSC pole	Other Items
1	2	3	4	5	7	8	9.00
PART1(A):-Renovation of Existing S/S with up-gradation of 11/4 KV Distributin Transformer 25 KVA to63 KVA one no. (The work shall be executed by party and to be maintained by TPCODL after duehanding over).							
1	Pressure Channel 100X50X 6 mm MS Channel each 2.8 mtr Long (9.2 Kg per mtr.)X 2 nos.	K.g	51.52	65.00	0.00	0.00	3,348.80
2	Transformer mountingchannel 100 X 50 X6 mm MS channeleach 2.8 mtr.long (9.2 Kg per mtr.)X 2 nos.	K.g	51.52	65.00	0.00	0.00	3,348.80
3	AB Switch & H.G Fuse ,Mounting Channel 75X40X6-2.8 mtr long 4 nos (6.8 Kg per mtr)	K.g	76.16	65.00	0.00	0.00	4,950.40
4	Cantilever channel for supporting AB Switch arm,75X40X6 -1mtr.long,2 nos (6.8 Kg per mtr)	K.g	13.6	65.00	0.00	0.00	884.00
5	Cantilever channel for supporting AB Switch arm,50X50X6 mm MS Angle(1.0 mtrs Long 2 nos. (4.5 Kg per mtr)	K.g	9	65.00	0.00	0.00	585.00
6	Angle for Cantilever arrangement for AB switch & HG Fuse 50X50X6-2 mtr.each 2 nos.(4.5 Kg per mtr).	K.g	18	65.00	0.00	0.00	1,170.00
7	Transformer belting Angle 50X50X6 mm -2.8mtr.Long 2 nos (4.5 Kg per mtr) with side angle (Total 7 mtr)	K.g	31.5	65.00	0.00	0.00	2,047.50
8	Angle for Mounting LT Distribution Box 50X50X6 mm MS Angle 2.5 mtr.each Long 2 nos.(4.5 kg per mtr.)	K.g	22.5	65.00	0.00	0.00	1,462.50
9	AB switch (11 KV 400 A,3 Pole 50 Hz)	Set	1	11850.00	0.00	0.00	11,850.00
10	HG Fuse (11 KV 400 A,3 Pole 50 Hz)	No	1	11530.00	0.00	0.00	11,530.00
11	Lightning Arrester (12 KV,10 KA) Station Class	No	3	3550.00	0.00	0.00	10,650.00
12	H.T Stay Set (Complete)	Set	2	1050.00	0.00	0.00	2,100.00

13	H.T Stay Insulator	No	2	50.00	0.00		100.00
14	H.T Stay Clamp (1.95 Kg ./pair)	Pair	2	125.00	0.00	0.00	250.00
15	7/10 SWG Stay Wire 10 Kg /Stay	K.g	20	75.00	0.00	0.00	1,500.00
16	40 mm nominal bore GI Pipe (medium gauge) earthing device with 3 mtr. Long	No	5	1050.00	0.00	0.00	5,250.00
17	No 6 G.I wire (Dia 4.8 mm)	K.g	20	75.00	0.00	0.00	1,500.00
18	40X 6 mm GI Flat for Neutral.	K.g	20	75.00	0.00	0.00	1,500.00
19	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x600 mm)mm using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2315.15	0.00	0.00	4,630.30
20	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover	No	5	2270.27	0.00	0.00	11,351.35
21	55 mm2 AAAC	K.M	0.04	30000.00	0.00	0.00	1,200.00
22	MS Nuts & Bolts of Assorted sizes	K.g	36	71.00	0.00	0.00	2,556.00
23	63 KVA ,11/0.4 KV (AL) Transformer BIS energy Level-II	No	1	86500.00	86500.00	0.00	
24	LT Distribution box with MCCB,Aliminium Busbar of Single Bay with kit fuse for	No	1	18322.00	0.00	0.00	18,322.00
25	3 1/2 X 95mm2 LT PVC Cable for 63 KVA TFR	Mtr.	15	333.00	0.00	0.00	4,995.00
26	Aluminium Paint	Ltr	2	200.06	0.00	0.00	400.12
27	Red Oxide Paint	Ltr	2	150.00	0.00	0.00	300.00
28	Barbed Fencing (Size 15"X 10") with Construction of retaining wall ,erection of RCC Fencing Post,Sand filling and Metal Spreading,Fixing of IRON grill gate etc as per TPCODL Spefication.	No	1	41580.00	0.00	0.00	41,580.00
29	Sundries for survey,PVC tape,Ampire tape,Danger Board,Small size Nut & Bolt preparation of Drawing Alluminium Socket etc	LS	1	4100.00	0.00	0.00	4,100.00
	Total cost of Material (PART -A) for the Year 2018-19 (Rs) =				86500.00	0.00	153,461.77

Part(B)13-02-2021-Construction of 11KV Line DP structure by using 9mtr.long 300 kg PSC pole with provision of AB switch (11KV,400 A,3Pole ,50Hz) & Double Disc on Existing 11KV line = 1 No.(The work shall be executed by party & to be maintained by TPCODL after due handing over).

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	AMOUNT (RS)		
					Transformer/Breaker/Joist Pole	PSC pole	Other Items
1	2	3	4	5	7	8	9.00
1	9 mtr Long 300 Kg PSC Pole	No	2	3000.00	0.00	6000.00	
2	100x50x6mm MS channel	K.g	154.56	65.00	0.00	0.00	10,046.40
3	50x50x6mm MS Angle	K.g	36	65.00	0.00	0.00	2,340.00
4	11 KV G.I Pin	No	3	80.00	0.00	0.00	240.00
5	11 KV G.I Pin Porcelain	No	3	80.00	0.00	0.00	240.00
6	AB switch (11 KV 400 A,3 Pole 50 Hz)	Set	1	11850.00	0.00	0.00	11,850.00

7	11 K.V H.W fitting (B & S) 70 KN Porcelain	No	6	350.00	0.00	0.00	2,100.00
8	11 K.V Disc Insulator (B & S) 70 KN Porcelain	No	12	390.00	0.00	0.00	4,680.00
9	H.T Stay Set (Complete)	Set	2	1050.00	0.00	0.00	2,100.00
10	H.T Stay Insulator Type-C	No	2	50.00	0.00	0.00	100.00
11	H.T Stay Clamp (1.95 Kg ./pair)	Pair	2	125.00	0.00	0.00	250.00
12	7/10 SWG Stay Wire 10 Kg /Stay	K.g	20	75.00	0.00	0.00	1,500.00
13	40 mm nominal bore GI Pipe (medium gauge) earthing device with 3 mtr. Long	No	2	1050.00	0.00	0.00	2,100.00
14	40X 6 mm GI Flat for Neutral.	K.g	80	75.00	0.00	0.00	6,000.00
15	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x600 mm)mm using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2315.15	0.00	0.00	4,630.30
16	Concreting of support C C -1:4:8 using 40 mm BHG metal size - 5'X2'X2' = 20 CFT =0.570 cum padding 900X600X150 mm =0.081	No	2	2639.19	0.00	0.00	5,278.38
17	Couping of support section 15"X15" (3.9 Cft) height 2'-6"(1'-6" above G.L & 1'- 0' below G.L) in C.C 1:2:4 using 12 mm BHG metal & curing for 5 days	No	2	676.37	0.00	0.00	1,352.74
18	Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover	No	2	2270.27	0	0	4,540.54
19	G.I Barbed Wire anticlimbing device 2 kg per support	Kg	4	80.00	0	0	320.00
	Red Oxide Paint	Ltr	1	150.00	0	0	150.00
	Aluminium Paint	Ltr	1	200.00	0	0	200.00
	MS Nuts & Bolts of Assorted sizes	Kg	15	71.00	0	0	1,065.00
	Sundries for survey, PVC tape, Ampire tape,Danger Board,Small size Nut & Bolt preparation of Drawing Alluminium Scales etc.	LS	1	2100.00	0	0	2,100.00
	Total cost of Material (PART -B) for the Year 2018-19 (Rs) =				0.00	6000.00	63,183.36
PART (C):-Construction of LT Line (3ph 5w)with (3X 50 + 1X35+1X16) mm2 ABC cover 8 mtr .Long 200kg PSC Pole with Provisionof Ispan guarding arrangement under11KVline on safety ground (The work shall be executed by party and to be maintained by TPCODL after duehanding over							
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	AMOUNT (RS)		
				RATE (RS)	Transformer/B reaker/Joist Pole	PSC pole	Other Itreams
1	2	3	4	5	7	8	9.00
1	8 mtr Long 200 Kg PSC Pole	No	8	2000.00	0.00	16000	-
2	Concreting slab for base plate size 2 ft X2ftX 2" thickness for each PSC Pole	No	8	485.10	0.00	0.00	3,880.80
3	LT stay set Complete	Set	5	520.00	0.00	0.00	2,600.00
4	7/12 SWG Stay wire	Kg	50	75.00	0.00	0.00	3,750.00
5	LT Stay set Clamp (1.4 Kg/Pair)	Pair	5	110.00	0	0	550.00
6	Lt Stay Insulator	No	5	30	0.00	0.00	150.00
7	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x600 mm)mm using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	5	2315.15	0.00	0.00	11,575.75
8	2 Ph 3 W X Arm 4.82 Kg each	No	8	360	0.00	0.00	2,880.00

9	X- Arm Back Clamp 0.85 Kg each	No	8	80.00	0.00	0.00	640.00
10	MS Nuts & Bolts of Assorted sizes	Kg	7	71.00	0.00	0.00	497.00
11	LT Shakel Insulator	No	16	30.00	0.00	0.00	480.00
12	GI Strap & Bolt	Pair	16	80.00	0.00	0.00	1,280.00
13	55 mm2 AAAC (for Jumpering)	Km	0.011	30000.00	0.00	0.00	330.00
14	AB Cable (3X50+1X35+1X16 mm2)	Km	0.309	140000.00	0.00	0.00	43,260.00
15	Red Oxide Paint	Ltr	1	150.00	0.00	0.00	150.00
16	Aluminium Paint	Ltr	1	200.00	0.00	0.00	200.00
17	Concreting of support C C -1:4:8 using 40 mm BHG metal size -5'X2'X2' = 20 CFT =0.570 cum 0.651 cum X 4054.05 = 2639.16padding 900X600X150 mm =0.081	No	8	2639.19	0.00	0.00	21,113.52
18	40 mm nominal bore GI Pipe (medium gauge) earthing device with 3 mtr. Long	No	2	1050.00	0.00	0.00	2,100.00
19	No 6 G.I wire (Dia 4.8 mm)	Kg	60	75.00	0.00	0.00	4,500.00
20	40X 6 mm GI Flat for Neutral.	Kg	30	75.00	0.00	0.00	2,250.00
21	Materials for massonary work for earthpit ,charcoal salt etc including	No	2	2270.27	0.00	0.00	4,540.54
22	100x50x6mm MS channel	Kg	73.6	65.00	0.00	0.00	4,784.00
23	Sundries for survey,tree cutting,Insulated tape,binding wire etc	LS	1	1380.00	0.00	0.00	1,380.00
Total cost of Material (PART -C) for the Year 2018-19 (Rs) =					0.00	16000.00	112,891.61
Grand Total cost of materials PART-(A+B+C)=					86500.00	22000.00	329,536.74
	GRAND TOTAL RS.						438,036.74
B	Stock, Storage & Insurance @ 3% of A						13,141.10
C	Sub Total (C=A+B)						451,177.84
D	Contingency @3% of C						13,535.34
E	T & P 2% of C						9,023.56
F	Transportation @ 7.5% of C						33,838.34
G	Erection Charges for PSC Pole @ 20%					22660	4,532.00
H	Erection Charges of DTR and Joist Poles @ 5%					89095	4,454.75
I	Erection Charges of other @ 10%					339422.8	33,942.28
J	Total Rs.						550,504.11
	Or say						550,504.00
EXCESS <input type="checkbox"/>		LESS <input type="checkbox"/>		(Please Tick) _____ %			
Quoted Amount in Figure							
Quoted Amount in word							

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.)**