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PRICE BID FOR THE WORK UNDER SL. NO :- 03 AS PER IFB					
NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 8-F TYPE STAFF QUARTERS AT PARJANG FIRE STATION IN THE DISTRICT OF DHENKANAL.					
BID REF NO.-46/PM/ELECT/OPHWC/2025-26					
NAME & ADDRESS OF THE FIRM					
<u>SCHEDULE OF WORKS</u>					
SL. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
I	CONSTRUCTION OF 11 KV LINE .				
A	11 KV PIN POINTS WITH WPB				
1	WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36804.27	73608.54
2	11 KV V cross arm	No	2	1150.20	2300.40
3	Top Bracket 100x50x6 mm GI channel(2 Kg each)	No	2	213.00	426.00
4	Danger plate	No	2	113.60	227.20
5	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6	106.50	63.90
6	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
7	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.41	106.50	256.67
8	11 KV Pin Insulator Polymer,3 Nos.,required for each support	No	6	284.00	1704.00
9	Earthing of Support (Coil Type)	No	2	235.72	471.44
10	No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing	Kg	0.524	106.50	55.81
11	GI Nut , Bolt & Washer of different sizes	Kg	2.9	110.76	321.20
12	55 sq. mm AAAC XLPE covered conductor	Mtr.	247.20	99.74	24655.73
13	Yellow colour paint for Background	Ltr	4	216.00	864.00
14	Black colour paint for numbering	Ltr	2	312.40	624.80
15	Non metallic ties -11 KV 55 sq. mm AAAC	No	6	251.00	1506.00
16	Spike GI using 50x6 mm GI Flat welded with 8 mm square bar(2 Nos. of spike per set in each pole)	No	4	332.00	1328.00
A	A. Sub total				1,09,095.28
B	B. Stock, Storage & Insurance @ 3% of A				3,272.86
C	Sub Total (C=A+B)				1,12,368.14
D	T&P @ 2% of C				2,247.36
E	Contingency @ 3% of C				3,371.04
F	Transportation @ 7.5% of C				8,427.61
	Erection Charges @ 5% on poles				3,790.84
G	Erection Charges @ 10%				3,655.13
H	Total				1,33,860.13

15	Concreting Ratio 1:1.5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6648.85	5983.97
16	Couping Ratio 1:1.5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cum	0.225	6648.85	1495.99
	Total Material + Services Cost (J+K)				1,41,340.09
II	INSTALLATION OF 63 KVA S/S.				
1	WPB GI Pole 160X152(11 Mtr. Long ,30.44 Kg/Mtr.)	No	2	36804.27	73608.54
2	9 Mtr Long 300 KG PSC Pole(For raising of LT ABC)	No	1	4260.00	4260.00
3	Pole Clamp for Eye Hook for XLPE Aerial bunched cable	Pair	2	284.00	568.00
4	Eye Hook for XLPE Aerial Bunched Cable	No	2	85.20	170.40
5	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	2	92.30	184.60
6	LT Cable raising Channel(GI) 75x40x4.8 mm GI Channel(GI) (1000 mm long)(7.14Kg./Mtr., 6 No's.) (Each 6x1.000x7.14= 42.84 Kg)	Kg	21.42	106.50	2,281.23
7	Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mtr.,2 Nos.)	Kg	57.36	106.50	6108.84
8	Fish Plate 50x6 mm ,2.36 Kg/Mtr.,each 0.280 Mtr., 6 nos. required	Kg	3.9648	106.50	422.25
9	AB switch mounting channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
10	MU channel 75x40x4.8 mm GI channel, 3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
11	AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.)	Kg	6.69	106.50	712.49
12	Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.	Kg	5.711	106.50	608.22
13	HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.)	Kg	42.84	106.50	4562.46
14	Cantilever suport channel 75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)	Kg	11.57	106.50	1232.21
15	Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.)	Kg	11.54	106.50	1229.01
16	Transformer Base GI Channel(GI) 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	Kg	57.36	106.50	6108.84
17	Transformer Base Support GI Channel(GI) 100 X 50 X 6 MM (515 mm long) (9.56Kg./Mtr, 2 No's) (Each 2x0.515x9.56= 9.85Kg)	Kg	9.85	106.50	1049.03
18	Transformer Belting Angle(GI) 50 X 50 X 6MM GI (3000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x3.0x4.5 Kg)	Kg	27	106.50	2875.50
19	Transformer Belting Support Angle(GI) 50 X 50 X 6MM GI (580 mm long)(4.5Kg./Mtr,2 No's) (Each 2x0.580x4.5= Kg)	Kg	5.22	106.50	555.93
20	LTDB Mounting Angle(GI) 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x1x4.5 Kg)	Kg	9	106.50	958.50
21	50x6mm Flat(GI) for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For LA and 2.5 mtr. For raising, 11 mtr for AB switch, 2.8 mtr for HG Fuse, 5x2 mtr. for DTR Nutral, (1.3+4.5) mtr. For DTR Body, 0.500 mtr for LTDB & AB Switch operating handle, 3 mtr. for Fencing) (Each 65.6x 2.36= 154.81 Kg)	Kg	154.82	106.50	16488.33
22	63 KVA , 11/ 0.4 KV (AL) Transformer, BIS Energy Loss level II, Ammendment-4	No	1	141308.92	141308.92
23	LT Distribution Box with MCCB, Aluminium Busbar of single Bay with kit kat fuse for 63 KVA S/S	No	1	26017.24	26017.24

24	55 SQ.MM. AAAC XLPE Covered Conductor	Mtr	50	99.74	4987.00
25	4 Cx 95 mm2 LT XLPE Cable(Armoured) - FOR 63 KVA Trf.	Mtr	15	499.41	7491.15
26	4Cx95 sq. mm LT XLPE cable(Armoured)from LTDB to Pole	Mtr	40	499.41	19,976.40
27	11 KV AB switch (200 Amp, 3 pole)	Set	1	10437.00	10,437.00
28	11 KV HG Fuse (200 Amp, 3 pole)	Set	1	8690.00	8,690.00
29	Wedge connector for 55 sq. mm conductor	EA	6	100.00	600.00
30	Polycarbonate Bird Guard	No	6	29.40	176.40
31	11 KV Disc insulator polymer type 70 KN	No	3	1633.00	4,899.00
32	11 KV H/W fitting polymer type	Pair	3	497.00	1,491.00
33	11 KV LA (12KV,10 KA)station class-2	No	3	5041.00	15,123.00
34	11 KV Pin Insulator polymer type	No	3	284.00	852.00
35	HT Stay Set (Complete)	Set	2	1491.00	2,982.00
36	HT Stay Insulator	No.	2	177.50	355.00
37	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	71.60	143.20
38	7/10 SWG Stay Wire	KG	30	106.50	3,195.00
39	GI Pipe for earthing 40mm dia 3mtr long	No	7	1491.00	10,437.00
40	GI Nut, Bolt & washers of different sizes	Kg	25	110.76	2,769.00
41	GI barbed wire/Anticlimbing device	No	6	113.60	681.60
42	Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	2.4072	106.50	256.37
43	Danger plate	Kg	2	113.60	227.20
44	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	0.6018	106.50	64.09
45	Name Plate	No	1	113.60	113.60
	Structure Numbering and marking				
46	Yellow colour paint for Background	Ltr	2	216.00	432.00
47	Black colour paint for numbering	Ltr	1	312.40	312.40
A	A. Sub total				3,97,126.86
B	B. Stock, Storage & Insurance @ 3% of A				11,913.81
C	Sub Total (C=A+B)				4,09,040.66
D	T&P @ 2% of C				7,262.46
E	Contingency @ 3% of C				12,271.22
F	Transportation @ 7.5% of C				30,678.05
G	Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3%				11,068.25
H	Erection Charges @ 20% on PSC Poles				877.56
I	Erection Charges @ 10% for other materials				13,737.07
J	Total				4,84,935.27
48	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6648.85	5,983.97
49	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6648.85	1,502.64
50	PCC ratio 1:3:6(M-10) grade for DSS area (3.5x2.5x0.1)=0.875 Cu Mtr.	Cu. Mtr	1.5	5247.48	7,871.22
51	Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator.	No	2	2301.53	4,603.06

52	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	7	3784.73	26,493.11
53	Laying of 4Cx95 sq.mm LT XLPE cable	Mtr.	55	47.87	2,632.85
54	Supply and Erection of GI fencing with Gate	Sq. Mtr.	16	3682.44	58,919.04
55	Concreting Ratio 1:1:5:3(500 mmx500mmx1500 mm)=0.45 Cu. Mtr.	Cum	0.375	6648.85	2,493.32
56	Supply of AL Lugs suitable for 95 sq mm cable/conductor, Crimping with cable and Fixing/connecting include supply and erection of PVC Tape as per voltage requirement.	No	24	92.06	2,209.44
57	Supply and erection of double Compression Flameproof Type Glanding for armored Cable 3.5/4 core 50-95 sq. mm sqmm including making hole in Base plate and dressing of cable along with vermin proofing properly .Supply to be done as per TPCODL Spec and approved make dowells.	No	3	690.46	2,071.38
	t				1,14,780.02
	Total Rs				5,99,715.30
III	Construction of LT Line using 4x50+1x50+1X16 sq. mm LT AB Cable- -0.15 Km.				
1	9 Mtr Long 300 KG PSC Pole	No	5	4260.00	21,300.00
2	LT stay set complete	Set	4	738.40	2,953.60
3	7/12 SWG GI stay wire, Grade-2	Kg	48	106.50	5,112.00
4	LT stay clamp	Pair	4	156.20	624.80
5	LT stay set Insulator	No	4	42.60	170.40
	LT Accessories with Eye Hook and Clamp				
6	Pole Clamp for Eye Hook for XLPE Areial bunched cable	Pair	10	284.00	2,840.00
7	Eye Hook for XLPE Areial Bunched Cable	No	8	85.20	681.60
8	Dead End Clamp suitable for messenger XLPE Aerial Bunch Cable (25x70 sqmm)	No	8	92.30	738.40
9	Suspension clamp with Eye Hook for ABC (25-70 sqmm)	No	2	482.80	965.60
10	4 Cx35(P)+1Cx35(M)+1CX16 Street Light)sq. mm LT Aerial Bunched Cable	Mtr	157.5	206.22	32,479.65
11	8 Way service Distribution Box with kitkat fuse and aluminium Busbar	Nos.	5	5680.00	28,400.00
12	Insulated Piercing connector ,Type-A main 50-150 sq. mm & Tap-50 to 150 sq. mm	No	20	113.08	2,261.60
13	GI pipe for earthing	No	1	1491.00	1,491.00
14	Coil Earthing	No	4	235.72	942.88
15	No-8 GI wire (Dia-4.6mm)	Kg	1	106.50	138.45
16	Danger plate (LT)	No	5	113.60	568.00
17	Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510)	Kg	1.5	106.5	159.75
18	GI barbed wire/Anticlimbing device 3 kg per support	Kg	15	113.6	1,704.00
19	Back clamp for Anticlimbing Device 25x3 mm , flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510)	Kg	6.02	106.5	641.13
20	GI Nut, Bolt & washers of different sizes	Kg	2.5	110.76	276.90
21	Yellow colour paint for Background	Ltr	10	216.00	2,160.00
22	Black paint	Ltr	5	312.40	1,562.00
A	TOTAL MATERIAL COST				1,08,171.76
B	Stock, Storage & Insurance @ 3% of A				3,245.15
C	Sub Total (C=A+B)				1,11,416.91
D	Contingency @3% of C				3,342.51
E	T & P 2% of C				2,015.12
F	Transportation @ 7.5% of C				8,356.27

G	Erection Charges for PSC Pole @ 20%				4,387.80
H	Erection Charges of Joist Poles @ 5%				
I	Erection Charges of other @ 10%				7,881.56
J	Sub Total Rs.				1,37,400.17
Civil and Services Works (As per Technical Specification)					
23	Fixing of LT complete stay set includes(1) Turn Buckle assembly(2)Stay Rod & stay Plate(3)Stay Insulator(4)Stay Wire(5)stay Clamps with Nuts & Bolts,including excavation supply of 0.5 cum cement concrete foundation 1:2:4 size(500x500x800mm)using 20 mm BHG metal with all Labour and material(Excavation of earth will be done of size500x500x1500mm)	No	4	2301.53	9,206.12
24	Concreting Ratio 1:1::5:3 (500mmX500mmX1500mm)= 0.375Cu.Mtr	Cu.Mtr	1.875	6648.85	12,466.59
25	Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe.	No	1	3784.73	3,784.73
K	Total Services Cost				25,457.44
	Total Material + Services Cost (J+K)				1,62,857.61
IV	Dismantling of LT cable, Poles, Fuse, S/S etc.	Ls	1	3,635.00	3,635.00
	Sub Total Rs.				9,07,547.99
	Cess @ 1%				9,075.48
	Total Estimated Cost				9,16,623.47
	Total Estimated Cost in Figures				9,16,623.00
EXCESS	☐ LESS ☐ (Please Tick)	In Figure _____ % In word _____ %			
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/-
Dy. Manager (Elect)

Sd/-
Project Manager(Elect)