## 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 EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO POLICE STATION BUILDING AT NAYAPALLI, DCP, BHUBANESWAR IN THE DIST. OF KHURDA.

RID REF NO	O :- 16/PM/ELECT/OPHWC/2024-25				
NAME & ADDRESS OF THE FIRM	J. TOLLIFEDE TOLIFF COMPATAGE				
	SCHEDULE OF	WORKS_			
				Estimated	Cost in Rs.
Sl. No.	Description of work	Unit	Qty.	RATE IN RS.	AMOUNT IN RS.
I	11 KV LINE				
A	11 KV DP WITH AB SWITCH				
1	WPB(GI) 160x152 (11Mtr. Long, 30.44KG/Mtr.)	No	2	29661.00	59322.00
	Top Channel 100X50X6mm, 9.56 KG/Mtr., each				
2	channel length 3 mtr., 2 no's channel required =(	KG		76	
	2x9.56x3)		57.36		4359.36
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	KG	3.965	97.5	386.59
4	AB switch Mounting Channel 75X40X4.8mm, 7.14KG/Mtr, each channel length 3 Mtr., 2 no's channel required =( 7.14x3x2)	KG	42.84	76	3255.84
5	AB Switch Side Support Channel 100X50X6mm,9.56 KG/Mtr., each channel length 0.35 mtr., 4 no's channel required =( 9.56x4x0.35)	KG	6.692	76	508.59
6	Channel Support for down Pipe 75X40X 4.8mm., 7.14KG/Mtr., each channel length 0.8 Mtr., 1 no's channel required =( 7.14x0.8x1)	KG	5.712	76	434.11
7	Double Pole Bracing Channel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 3 Mtr., 2 no's channel required =( 7.14x3x2)	KG	85.68	76	6511.68
8	50x50x6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 3.512 mtr., 2 nos angle required = (4.5x3.512x2)	KG	63.216	76	4804.42
9	Danger Plate, 2 no's.	No.	2	104.00	208.00
10	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 2 no's = (2x0.59x0.510)	KG	0.6018	97.50	58.68
11	H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	Pair	2	162.50	325.00
12	H.T. Stay set (Complete )	Set	2	1365.00	2730.00
13	H.T. Stay Insulator Type-C	No.	2	65.00	130.00
14	7/10 SWG Stay Wire 15kg /stay	K.g.	30	97.50	2925.00
15	Gi Pipe Earthing 40mm. 3 Mtr. Long	No.	2	1365.00	2730.00
16	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36	KG	40.20	07.50	4717.05
			48.38	97.50	4717.05

17	GI barbed wire anticlimbing device 3 Kg. Per support, 2 no's qty. required =(2x3kg)  Back Clamp for anticlimbing device 25X3 mm. flat,	Kg	6	104.00	624.00
18					
18	Thack Claimb for anticinitoning device 23A3 min. Hat.				
. 10	0.59Kg/Mtr. Flat of 0.510mtr length 8 no's =	KG			
	(8x0.59x0.510)		2.407	97.50	234.68
	Lightning Arrester(12KV,10KA) (Station Class,class-				
19	2)	EA	3	4615.00	13845.00
20	AB Switch (11KV,400A.3pole,50Hz)	Set	1	15405.00	15405.00
21	11 KV pin insulator polymer	No.	3	260	780.00
22	H W fitting(B&S) 70KN, 3Bolt	No.	6	455	2730.00
23	Disc insulator (B&S) 70 KN polymer	No.	6	1495	8970.00
24	Non metallic ties 11 KV(for covered conductor)	No	3	251.00	753.00
25	IPC for 70 sq. mm AAAC covered conductor	No	6	371.00	2226.00
	Spike GI (using 50x6 mm flat welded with 8 mm				
26	square bar)(2 Nos. spike per set in each pole)	Set	4	332	1328.00
	GI Nut, Bolt & Washer of different sizes (13.718 Kg				
27	each DP with AB Switch)	K.g.	13.718	101.40	1391.01
28	Black Paint	Ltr	1	286.00	286.00
29	Yellow Colour Paint for Background	Ltr	2	216.00	432.00
A	Tonow colour rums for Buenground	Eu		A. Sub total	1,42,411.00
B	RS	tock Stor	age & Insur	ance @ 3% of A	4,272.33
C	<b>B.</b> 5	tock, Stor		Total (C=A+B)	· · · · · · · · · · · · · · · · · · ·
	_			`	1,46,683.33
D				Γ&P @ 2% of C	2,751.56
E				ency @ 3% of C	4,400.50
F				ion @ 7.5% of C	11,001.25
G		Erectio	on Charges @	0 5% on poles	3,055.08
н			Erection	Charges @ 10%	7,647.65
I				Total	1,75,539.37
	Fixing of complete 11KV line 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 BA will do the excvation				
30	including excvation, supply of 0.5Cum cement	EA	2	2250.00	4500.00
	concrete foundation 1:2:4 size (				
	500mmx500mmx800mm) using 20mm BHG metal				
	with all labour and material as per TPCODL Drawing				
	& Standard.				
21	Concreting ratio 1:1.5:3 (500mmX500mmX1800mm)	G .	0.0	( <b>7</b> 00 00	<b>5050</b> 00
31	= 0.45Cu.mtr	Cu.mtr	0.9	6500.00	5850.00
22	Couping ratio 1:1.5:3 with dimension (	Curacti	0.225	(F00 00	1463 50
32	500X500X450)= 0.1125 Cu mtr	Cu.mtr	0.225	6500.00	1462.50
	Construction Earthing chamber including installation				
	of earthing pipe.Making earthing chamber including				
	excavation, soil treatment with bentonide powder,				
33	calculation of earth	No.	2	3700.00	7400.00
	resistance, including Installation of 3Mtr GI Pipe				
	40mm/50mm including welding of GI flat				
	around pipe.				
		T			1,94,751.87
	Total Material + Services Cost				
В	11 KV CUT POINT WITH 180 DEGREE ANGLE				

	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr.,						
1	each channel length 1.2 mtr., 4 no's channel required	Kg					
	=(4x9.56x1.2)		22.943	76.00	1743.67		
2	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr.	Kg					
	length, 16 no's required	8	5.286	97.50	515.39		
	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr.,	***					
3	each channel length 0.306 mtr., 4 no's channel	Kg	7.05	<b>5</b> 6.00	444.60		
	required =(42x9.56x0.306)	0-4	5.85	76.00	444.60		
4	11 KV pin insulator polymer	Set	3	260.00	780.00		
5	H W fitting(B&S) 70KN, 3Bolt	No.	3	455.00	1365.00		
6	Disc insulator (B&S) 70 KN polymer	No.	3 3	1495.00 251.00	4485.00 753.00		
7 8	Non metallic ties 11 KV(for covered conductor)  IPC for 70 sq. mm AAAC covered conductor	No No	3	371.00	1113.00		
0	GI Nut, Bolt & Washer of different sizes (7.433 Kg	INO	3	37 1.00	1113.00		
9	each cut pole )	Kg	3.55	101.40	359.97		
A	each car pole )		3.55	A. Sub total	11,559.62		
B		R Stock S	torage & Insu	rance @ 3% of A	346.79		
C		D. Stock, S		ub Total (C=A+B)	11,906.41		
D				T&P @ 2% of C	238.13		
			C 45				
E				gency @ 3% of C	357.19		
F		I		tion @ 7.5% of C	892.98		
		Erection	Charges @ 5	% on WPB poles			
G			Erection	n Charges @ 10%	1,190.64		
Н				Total	14,585.35		
				7 (10)	11,505.05		
	Total Material + Services Cost (J+K)						
С	11 KV CUT POINT WITH 90 DEGREE ANGLE						
1	WPB (GI) Pole 160x152 (11 Mtr. Long, 30.44KG/Mtr.)	No	1	29661.00	29661.00		
	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr.,						
2	each channel length 1.2 mtr., 4 no's channel required	Kg					
	=(4x9.56x1.2)		45.888	76.00	3487.49		
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr.	Kg					
	length, 16 no's required	Kg	10.5728	97.50	1030.85		
	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr.,						
4	each channel length 0.306 mtr., 4 no's channel	Kg					
	required =(42x9.56x0.306)		11.70144	76.00	889.31		
5	Danger Plate, 1 no's.	No.	1	104	104.00		
	Back Clamp for danger Plate 25X3 mm. flat,						
6		17.0		07.5			
	0.59Kg/Mtr. Flat of 0.510mtr length 1 no's =	KG	0.2000	97.5	20.24		
		KG	0.3009	97.5	29.34		
7	0.59Kg/Mtr. Flat of 0.510mtr length 1 no's =	KG Kg	0.3009	97.5	29.34 312.00		
7	0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)						
8	0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)  GI barbed wire anticlimbing device 3 Kg. Per support						
8	0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)  GI barbed wire anticlimbing device 3 Kg. Per support  Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	Kg KG	3 1.2036				
8	0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)  GI barbed wire anticlimbing device 3 Kg. Per support  Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)  11 KV pin insulator polymer	Kg	3 1.2036 4	97.50 260.00	312.00 117.35 1040.00		
8 9 10	0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)  GI barbed wire anticlimbing device 3 Kg. Per support  Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)  11 KV pin insulator polymer  H W fitting(B&S) 70KN, 3Bolt	Kg KG	3 1.2036 4 6	97.50 260.00 455.00	312.00 117.35 1040.00 2730.00		
8 9 10 11	0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)  GI barbed wire anticlimbing device 3 Kg. Per support  Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)  11 KV pin insulator polymer  H W fitting(B&S) 70KN, 3Bolt Disc insulator (B&S) 70 KN polymer	Kg KG Set No.	3 1.2036 4 6 6	97.50 260.00 455.00 1495.00	312.00 117.35 1040.00 2730.00 8970.00		
8 9 10	0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)  GI barbed wire anticlimbing device 3 Kg. Per support  Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)  11 KV pin insulator polymer  H W fitting(B&S) 70KN, 3Bolt	Kg KG Set No.	3 1.2036 4 6	97.50 260.00 455.00	312.00 117.35 1040.00 2730.00		

	Spike GI (using 50x6 mm flat welded with 8 mm					
14	square bar)(2 Nos. spike per set in each pole)	Set	2	332	664.00	
15	Earthing of Support ( Coil Type )	EA	1	215.80	215.80	
16	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr 2 Mtr.	Va				
10	For connecting pole with Coil earthing	Kg	0.262	97.50	25.55	
17	HT Stay Clamp,50x8 mm, flat 3.14 kg/Mtr.,0.551	   Pair				
	Length, 2Nos.		2	162.50	325.00	
18	HT Stay Set (Complete)	Set	2	1365.00	2730.00	
19	HT Stay Insulator	No.	2	65.00	130.00	
20	7/10 SWG Stay Wire , 15 Kg/stay	KG	30	97.50	2925.00	
21	GI Nut, Bolt & Washer of different sizes (7.433 Kg	Kg	7 422	101.40	753.71	
22	each cut pole ) Black Paint	EA	7.433 0.5	286.00	143.00	
23	Yellow Colour Paint for Background	Kg	2	216.00	432.00	
A	Tenew Colour Funit for Buckground	115		A. Sub total	59,945.39	
В	-	B. Stock, St	orage & Insu	irance @ 3% of A	1,798.36	
C		21 20011, 20		ub Total (C=A+B)	61,743.75	
	-			T&P @ 2% of C	1,109.01	
E			Conti	igency @ 3% of C	1,852.31	
F				ation @ 7.5% of C	4,630.78	
I		Erection	-	7,5% on poles	1,527.54	
		Litetti	on Charges (	g 370 on poics	1,327.34	
G			Erection	n Charges @ 10%	2,489.96	
Н				Total	73,353.35	
	Fixing of 11 KV line Complete stay set includes 1)				,	
24	Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts, including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	No	2	2250.00	4500.00	
25	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	0.45	6500.00	2925.00	
26	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	0.1125	6500.00	731.25	
		To	otal Materia	l + Services Cost	81,509.60	
D	11 KV PIN POINTS WITH WPB					
1	70 SQ. MM XLPE covered conductor	Km	0.0927	185220.00	17169.89	
A				A. Sub total	17,169.89	
В		B. Stock, St	orage & Insu	ırance @ 3% of A	515.10	
C			Sı	ub Total (C=A+B)	17,684.99	
D				T&P @ 2% of C	353.70	
E	Contigency @ 3% of C					
F	Transportation @ 7.5% of C 1,326.3					
		Erecti	on Charges @	0 5% on poles		
G			Erection	n Charges @ 10%	1,768.50	
Н				Total	21,664.11	
II	SUPPLY AND LAYING OF 0.05 KM 11 KV 3CX95 SQ. MM XLPE UG CABLE WITH 11 KV RMU					

	Supply of materials for 11 Kv, 3 Core, 95 sq. mm ,X	LPE insu	lation armou	red UG cable wit	h accessories.
a	Length of 11kV 3C, 95sqmm cable (open trench)	Mtr.	50		
1.1	Supply of 11kV, 3Core, 95sqmm, XLPE insulation armoured UG cable (SC rating of cable in kA- 9kA and SC rating of Armour in kA- 9kA)	Mtr.	100.00	742.30	74,230.00
1.2	Supply of Outdoor termination kits Heat Shrinkable type suitable for 11kV, 3Core, 95 sqmm, HT UG cable for 3Core (Set)	Set	4	14,233.70	56,934.80
1.3	Supply of HDPE PE 80-PN8 pipe of 110mm diameter (for 95sqmm HT cable laying)	Mtr.	68	357.60	24,316.80
	Sub Total (Supply Portic	on) (in Rs	.)		1,55,481.60
Erection I	Portion			-	
1	Laying, Commissioning, Testing of 11kV, 3core, 95sqmm, aluminium, XLPE insulation armoured (extruded type) UG cable by open trench method				
1.1	Laying, Commissioning, Testing of 11kV, 3core, 95sqmm, aluminium, XLPE insulation armoured (extruded type) UG cable by open trench method.	Mtr.	100.00	94.50	9,450.00
1.2	Erection of <b>Outdoor termination kits</b> Heat Shrinkable type suitable for 11kV, 3Core, 400sqmm, aluminium UG cable kits for 3core (set)	Set	4	1,900.80	7,603.20
1.3	Laying of <b>160mm dia</b> PE 80-PN8, <b>HDPE pipe</b> inside open trench.	Mtr.	68.00	300.00	20,400.00
	Sub Total (Erection Port	ion) (in R	s.)		37,453.20
Civil Port					
2	Civil works with supply of all materials like cement, MS tor rod, brick, coarse & fine aggregates and labour, T&P, etc for UG Cable Trench				
1.1	Earth work excavation of soil (1mtr. width X 1mtr. depth) Route Length	Mtr	34		
1.1.a	Earth work excavation of soil	Cum	23.8	700.00	16,660.00
1.1.b	Earth work excavation of hard rock	Cum	10.2	1,720.00	17,544.00
1.2	Back filling with excavated soil outside and above the trench	Cum	34	202.00	6,868.00
1.3	Damage of asphalt/tar road and other utilities and reconstructing to bring to its original shape after laying of cable in open trench (1mtr. width)	Mtr	34	2,643.67	89,884.80
2	Civil works for Prefabricated RCC foundation with supply of all materials				
3	Supply and erection of GI Pipe of dia. 150mm, Class-B (8Mtr.)	Mtr	32	1,463.40	46,828.80
4	Supply and Erection of Cable Route Marker along the cable route at an interval of 30mtrs with civil works	Nos.	2	1,012.00	2,024.00
	Sub Total (Civil Portion) (in Rs.)				1,79,809.60
A	Sub Total (Supply Portion)				1,55,481.60
В	Stock, Storage & Insurance @ 3 % of A				4,664.45

E   Tools & Plants Charges @ 2% of C (considered for earthing items)   12,010.92	C	Sub Total (A+B)	1,60,146.05				
F   Transportation @ 7.5% of C   12,010.92     G   Frection Charges @ 10% of earthing items   1,76,961.31     I   Sub Total (C+D+E-F-C)   1,76,961.31     I   Sub Total (Erection Portion + Civil Portion)   2,17,262.81     J   Total Cost (H+I)   3,94,224.11     III   INSTALLATION OF 63 KVA S/S.     WPB GI Pole 160X152(11 Mtr. Long _30.44 Kg/Mtr.)   No	D	Contingency @ 3 % of C	4,804.38				
G   Erection Charges @ 10% of earthing items   1,76,961.31     H   Total (C+1)+F+F+G   1,76,961.31     I   Sub Total (Erection Portion + Civil Portion)   2,17,262.81     J   Total Cost (H+1)   3,94,224,18     III   INSTALLATION OF 63 KVA S/S.     WPB GI Pole 160X152(11 Mtr. Long. 30.44 Kg/Mtr.)   No   2   29661.00   59322.61     2   Tope channel GI 100x50x6 mm 3000 mm Long(9.56   Kg   57,36   76.00   4359.31     3   Frish Plate 50x6 mm , 2.36 Kg/Mtr., each 0,280 Mtr., 6 nos.   Kg   3,9648   97.50   386.4     4   MU. Channel 753-MOX 4.8mm, 3000 mm Long.   Kg   0   76.00   0.00     7   TakG/Mtr., 2 Nus.   75.40x4.8 mm GI channel,	Е	Tools & Plants Charges @ 2% of C (considered for ear	Tools & Plants Charges @ 2% of C (considered for earthing items)				
G   Erection Charges @ 10% of earthing items   1,76,961.31     H   Total (C+1)+F+F+G   1,76,961.31     I   Sub Total (Erection Portion + Civil Portion)   2,17,262.81     J   Total Cost (H+1)   3,94,224,18     III   INSTALLATION OF 63 KVA S/S.     WPB GI Pole 160X152(11 Mtr. Long. 30.44 Kg/Mtr.)   No   2   29661.00   59322.61     2   Tope channel GI 100x50x6 mm 3000 mm Long(9.56   Kg   57,36   76.00   4359.31     3   Frish Plate 50x6 mm , 2.36 Kg/Mtr., each 0,280 Mtr., 6 nos.   Kg   3,9648   97.50   386.4     4   MU. Channel 753-MOX 4.8mm, 3000 mm Long.   Kg   0   76.00   0.00     7   TakG/Mtr., 2 Nus.   75.40x4.8 mm GI channel,	F	Transportation @, 7.5% of C	12,010.95				
Total (C+D+E+F+G)	G	•				,	
Sub Total (Ercetion Portion + Civil Portion)   2,17,262.88   3,94,224.11		+				1 76 961 38	
Total Cost (II+I)   III   INSTALLATION OF 63 KVA 8/S.		· · · · · · · · · · · · · · · · · · ·					
III							
1 WPB GI Pole160X152(11 Mtr. Long, 30.44 Kg/Mtr.) No 2 29661.00 59322.0 2 kg pole160X152(11 Mtr. Long, 30.44 Kg/Mtr.) No 2 29661.00 59322.0 2 kg/Mtr.2 Nos.) 3 Fish Plate 50x6 mm 3.000 mm Long(9.56 kg 57.36 76.00 4359.3 4 MU Channel 75X40X 4.8mm,3000 mm Long, 7.14 Kg/mtr. 2 Nos.) 4 MU Channel 75X40X 4.8mm,3000 mm Long, 7.14 Kg/mtr. 2 Nos.	J					3,34,224.16	
Top channel GI 100x50x6 mm 3000 mm Long(9.56 kg/Mr.; 2 Nos.)	III	INSTALLATION OF 63 KVA S/S.					
September   Sept	1		No	2	29661.00	59322.00	
Transformer base Grid channel (100x50x6 mm Gl (282 mm Long)(4.5 kg/mtr, 2 Nos.)   September 1 Transformer base Grid channel (100x50x6 mm Gl (280 mm Long)(4.5 kg/mtr, 2 Nos.)   September 1 Transformer Belting support angle 50x50x6 mm Gl (2000 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (215 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (225 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Long)(4.5 kg/mtr, 2 Nos.)   Sox6 mm Gl (235 mm Gl (2	2	•	Kg	57.36	76.00	4359.36	
T.14KGMtr., 2 Nos.   Ng.   Ng.   Ng.   Ng.   Ng.   Ng.   Ng.	3		Kg	3.9648	97.50	386.57	
5         3000 mm Long (7.14 kg/mtr,2 Nos.)         Kg         42.84         76.00         3253.8           6         AB witch side support channel 10x50x6 mm Gl channel (0.35Mtr Long)(0.95 kg/mtr,2 Nos.)         Kg         6.69         76.00         508.4           7         Channel support for down pipe 75x40x4.8 mm Gl channel (7.14 kg/mtr,2 Nos.) each channel length 0.8 Mtr.         Kg         5.711         76.00         434.4           8         HG/DO fuse Mounting channel 75x40x4.8 mm Gl channel (810 mm Long.2 Nos.) (7.14 kg/mtr,2 Nos.)         Kg         42.84         76.00         3255.8           9         Cantilever suport channel 75x40x4.8 mm Gl channel (810 mm Long.2 Nos.) (7.14 kg/mtr,2 Nos.)         Kg         11.57         76.00         879.3           10         Cantilever suport channel 50x50x6 mm Gl (1282 mm Long) (4.5 kg/mtr,2 Nos.)         Kg         11.54         76.00         877.6           11         Transformer base Gl channel 100x50x6 mm Gl (3000 mm Gl channel) (3000 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)         Kg         9.85         76.00         4359.3           12         Transformer Belting angle 50x50x6 mm Gl (3000 mm Gl (3000 mm Long)(4.5 kg/mtr,2 Nos.)         Kg         9.85         76.00         748.6           13         Transformer Belting angle 50x50x6 mm Gl (3000 mm Gl (3000 mm Long)(4.5 kg/mtr,2 Nos.)         Kg         9.7         76.00         396	4	7.14KG/Mtr., 2 Nos.	Kg	0	76.00	0.00	
Channel support for down pipe 75x40x4.8 mm GI	5	3000 mm Long (7.14 kg/mtr,2 Nos.)	Kg	42.84	76.00	3255.84	
Channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr.   Kg   5.711   76.00   434.0	6	1	Kg	6.69	76.00	508.44	
Cantilever suport channel/5x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.)   Kg   11.57   76.00   879.3	7	1 ** **	Kg	5.711	76.00	434.04	
mm Long.2 Nos.)(7.14 kg/mtr,2 Nos.)	8		Kg	42.84	76.00	3255.84	
Long)(4.5 kg/mtr,2 Nos.)   Kg   11.34   76.00   877.0	9		Kg	11.57	76.00	879.32	
11 mm Long, 2 Nos.)(9.56 kg/mtr, 2 Nos.)	10	1 - 1	Kg	11.54	76.00	877.04	
12	11	mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg	57.36	76.00	4359.36	
Long)(4.5 kg/mtr,2 Nos.)   Kg   27   76.00   2052.00     Transformer Belting Support angle 50x50x6 mm GI 580 mm Long)(4.5 kg/mtr,2 Nos.)   Kg   5.22   76.00   396.70     LT DB mounting angle 50x50x6 mm GI (1000 mm Long)(4.5 kg/mtr,2 Nos.)   Kg   9   76.00   684.00     S0x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36   S0x6mm GI (10.04 KV (AL) Transformer BIS Energy Level-II   LT Distrubution Box with MCCB, Aluminim   LT Distrubution Box with MCCB, Aluminim   Busbar of single Bay with kit kat Fuse for 63   No   1   23818.60   23818.60     S5 sq. mm All Alloy conductor-PVC insulated   Mtr   50   55.24   2762.00     4Cx95 sq. mm LT XLPE cable   Mtr   15   479.61   7194.10     21	12	channel(515 mm Long,2 Nos.)(9.56 kg/mtr,2 Nos.)	Kg	9.85	76.00	748.60	
14	13	Long)(4.5 kg/mtr,2 Nos.)	Kg	27	76.00	2052.00	
Long)(4.5 kg/mtr,2 Nos.)   Kg   9   76.00   684.0	14	mm Long)(4.5 kg/mtr,2 Nos.)	Kg	5.22	76.00	396.72	
16       L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 20.5x2.36       Kg       154.81       97.50       15093.9         17       63 KVA , 11/0.4 KV (AL) Transformer BIS Energy Level-II       No       1       112450.00       112450.0         18       Busbar of single Bay with kit kat Fuse for 63 KVA S/S.       No       1       23818.60       23818.6         19       55 sq. mm All Alloy conductor-PVC insulated       Mtr       50       55.24       2762.0         20       4Cx95 sq. mm LT XLPE cable       Mtr       15       479.61       7194.1         21       11 KV AB switch (200 Amp, 3 pole)       Set       1       9555.00       9555.0         22       11 KV HG Fuse (200 Amp, 3 pole)       Set       1       7956.00       7956.0         23       PG Clamp for 55 sq. mm AAAC       No       6       624.00       3744.0         24       11 KV Disc insulator polymer type 70 KN       No       3       1495.00       4485.0	15	Long)(4.5 kg/mtr,2 Nos.)	Kg	9	76.00	684.00	
Energy Level-II	16	L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh	Kg	154.81	97.50	15093.98	
18       Busbar of single Bay with kit kat Fuse for 63 KVA S/S.       No       1       23818.60       23818.60         19       55 sq. mm All Alloy conductor-PVC insulated       Mtr       50       55.24       2762.0         20       4Cx95 sq. mm LT XLPE cable       Mtr       15       479.61       7194.1         21       11 KV AB switch (200 Amp, 3 pole)       Set       1       9555.00       9555.0         22       11 KV HG Fuse (200 Amp, 3 pole)       Set       1       7956.00       7956.0         23       PG Clamp for 55 sq. mm AAAC       No       6       624.00       3744.0         24       11 KV Disc insulator polymer type 70 KN       No       3       1495.00       4485.0	17	Energy Level-II	No	1	112450.00	112450.00	
19       55 sq. mm All Alloy conductor-PVC insulated       Mtr       50       55.24       2762.0         20       4Cx95 sq. mm LT XLPE cable       Mtr       15       479.61       7194.1         21       11 KV AB switch (200 Amp, 3 pole)       Set       1       9555.00       9555.0         22       11 KV HG Fuse (200 Amp, 3 pole)       Set       1       7956.00       7956.0         23       PG Clamp for 55 sq. mm AAAC       No       6       624.00       3744.0         24       11 KV Disc insulator polymer type 70 KN       No       3       1495.00       4485.0	18	Busbar of single Bay with kit kat Fuse for 63	No	1	23818.60	23818.60	
21       11 KV AB switch (200 Amp, 3 pole)       Set       1       9555.00       9555.0         22       11 KV HG Fuse (200 Amp, 3 pole)       Set       1       7956.00       7956.0         23       PG Clamp for 55 sq. mm AAAC       No       6       624.00       3744.0         24       11 KV Disc insulator polymer type 70 KN       No       3       1495.00       4485.0	19	55 sq. mm All Alloy conductor-PVC insulated	Mtr			2762.00	
22       11 KV HG Fuse (200 Amp, 3 pole)       Set       1       7956.00       7956.0         23       PG Clamp for 55 sq. mm AAAC       No       6       624.00       3744.0         24       11 KV Disc insulator polymer type 70 KN       No       3       1495.00       4485.0				+		7194.15	
23       PG Clamp for 55 sq. mm AAAC       No       6       624.00       3744.0         24       11 KV Disc insulator polymer type 70 KN       No       3       1495.00       4485.0						9555.00	
24         11 KV Disc insulator polymer type 70 KN         No         3         1495.00         4485.0						7956.00	
75 IIIKV H/W/ DIDDG DOWNDER 1976   Down   4   //55 DD   1976	25	11 KV Disc insulator polymer type 70 KN  11 KV H/W fitting polymer type	Pair	3	455.00	1365.00	

26	11 KV LA (12KV,10 KA)station class-2	No	3	4615.00	13845.00
27	11 KV Pin Insulator polymer type	No	3	260.00	780.00
28	HT Stay Set (Complete)	Set	2	1365.00	2730.00
29	HT Stay Insulator	No.	2	65.00	130.00
30	HT Stay Clamp(1.95 K.g/Pair)	Pair	2	162.50	325.00
31	7/10 SWG Stay Wire	KG	30	97.50	2925.00
32	GI Pipe for earthing 40mm dia 3mtr long	No	7	1365.00	9555.00
33	GI Nut, Bolt & washers of different sizes	Kg	25	101.40	2535.00
34	GI barbed wire/Anticlimbing device	No	6	104.00	624.00
	Back clamp for Anticlimbing Device 25x3 mm, flat,				
35	0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4				
	Nos=(4x0.59x0.510)	Kg	2.4072	97.50	234.70
36	Danger plate	Kg	2	104.00	208.00
	Back clamp for Danger Plate 25x3 mm, flat, 0.59				
37	Kg/Mtr., flat of 0.510 Mtr. Length 1				
	Nos=(1x0.59x0.510)	Kg	0.6018	97.50	58.68
38	Name Plate	No	1	104.00	104.00
	Structure Numbering and marking		_		
39	Yellow colour paint for Background	Ltr	2	216.00	432.00
40	Black colour paint for numbering	Ltr	1	286.00	286.00
A				A. Sub total	3,04,715.23
В		B. Stock, St	torage & Insi	ırance @ 3% of A	9,141.46
C			S	ub Total (C=A+B)	3,13,856.68
D				T&P @ 2% of C	5,806.24
E			Cont	igency @ 3% of C	9,415.70
F			Transporta	ation @ 7.5% of C	23,539.25
G	Erection Charges @ 5% for transformer and joist pole	e cost includ	ling stock, sto	orage & insurance @3%	8,846.26
Н		Erection	Charges @ 2	20% on PSC Poles	
I	Ere	ection Char	ges @ 10% f	or other materials	11,338.68
J				Total	3,72,802.82
41	Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr.	Cum	0.9	6500.00	5,850.00
42	Couping Ratio 1:1:5:3 with dimension(500 mmx500mmx450 mm)=0.1125 Cu. Mtr.	Cu. Mtr	0.226	6500	1,469.00
43	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	2250.00	4,500.00
44	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	3700.00	25,900.00
45	Laying of 4Cx95 sq.mm LT XLPE cable	Mtr.	15	46.80	702.00
46	Supply and Erection of GI fencing with Gate	Sq. Mtr.	15	3600.00	54,000.00
				-	92,421.00
				Sub total Rs	4,65,223.82
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IV	11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING-1 SPAN				
1	Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2)	Kg	81.396	76.00	6186.10
2	No-6 GI wire (0.192 Kg/Mtr.) for main string	Kg	17.664	97.50	1722.24
3	No-8 GI wire (0.131 Kg/mtr.) for lacing	Kg	3.76625	97.50	367.21
4	Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.)	No	4	78.00	312.00
5	GI Pipe earthing 40 mm dia 3 Mtr. Long	No	2	1365.00	2730.00
6	50x6mm GI Flat for earthing, 2.36kg/mtr.	Kg	50.504	97.50	4924.14
A	TO			ST (FOR-2020-21)	16,241.69
В		Stock, S		rance @ 3% of A	487.25
C				ub Total (C=A+B)	16,728.94
D			Conti	ngency @3% of C	501.87
E				T & P 2% of C	278.34
F				ntion @ 7.5% of C	1,254.67
G				<b>PSC Pole @ 20%</b>	
H	Erecti			Joist Poles @ 5%	
I		Er	ection Charge	es of other @ 10%	1,391.70
J		1		Sub Total Rs.	20,155.51
7	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	2	3700.00	7,400.00
	Total Rs.				27,555.51
	Sub Total Rs.				11,99,514.45
	Cess @ 1%				11,995.14
	Total Estimated Cost				12,11,509.60
	Total Estimated Cost in Figures				12,11,510.00
EXCESS	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/-DM (Elect) I/C