ANNEXURE-1

INTERPOSING POLES

ANNEXURE-1 Interposing Poles				
Sl. No.	**Description**	**Quantity (in nos.)**	**Unit Rate (in Rs.)**	**Amount (in cr.)**
1	13mtr WPB Poles	200	63,678.00	1.3
2	11mtr WPB Poles	270	52,619.71	1.4
3	10mtr PSC Poles	80	18,352.17	0.1
4	9mtr PSC Poles	100	14,941.66	0.1
Total				**3.0**

Standard BoQ for 13mtr WPB Pin point Pole					
Sl. No.	***Description of Materials***	***Unit***	***Unit Rate***	***Total Quantity***	***Total Amount***
1	WPB (GI) Pole 160x152 (13Mtr. Long, 30.44KG/Mtr.)	No	34,322.00	1	34,322.00
2	33 KV V cross Arm (GI) 22Kg each	No.	2,340.00	1	2,340.00
3	Top bracket 100x50x6mm GI channel (2kg each)	No.	195.00	1	195.00
4	Danger Plate, 1 no's.	No.	104.00	1	104.00
5	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	KG	97.50	0.30	29.34
6	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	104.00	3.00	312.00
7	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	KG	97.50	1.20	117.35
8	33KV pin insulator polymer	No.	624.00	3	1,872.00
9	Earthing of Support (Coil Type)	No.	215.80	1	215.80
10	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	K.g.	97.50	0.26	25.55
11	GI Nut , Bolt & Washer of different sizes (1.45 Kg/ Pin Point)	K.g.	101.40	1.45	147.03
14	Black Paint	Ltr	286.00	1.0	286.00
15	Yellow Colour Paint for Background	Ltr	216.00	2.0	432.00
A				**Total Cost of materials**	**40,398.06**
B				Stock, Storage & Insurance i.e 3% of A	1,211.94
C				**Sub Total (A+B)**	**41,610.01**
D				Contigency @ 3% of C	1,248.30
E				Tools & Plants @ 2% of C	832.20
F				Transportation @ 7.5% of C	3,120.75
G				Erection Charges @ 5% on Trf/Breaker/WPB/ H-Pole	1,767.58
H				Erection Charges @ 10% of C (except Trf/Breaker/WPB/ H-Pole/HT stay set/PSC pole)	625.83
I				Erection Charges @ 20% of PSC pole- Not to be used for 33kv	-
J				**Sum of (C to I)**	**49,204.67**
Civil & Services					
Sl. No.	***Description of Materials***	***Unit***	***Unit Rate***	***Total Quantity***	***Total Amount***
1	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	6,500.00	0.55	3,575.00
2	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	6,500.00	0.11	731.25
K				**Total Civil & Services**	**4,306.25**
L				**Total (J+K)**	53,510.92
M				Other overheads (Including 6% supervision charges) of L (for 33 KV Pin Points)	-
N				**Sub Total (L+M)**	**53,510.92**
O				Total GST @ 18% of (N)	9,631.97
P				Total CESS @ 1% of (N)	535.11
Q				**Gross Total Material +Services (N+O+P) for 33 KV Pin Points**	**63,678.00**

Standard BoQ for 11mtr WPB Pin point Pole					
Sl. No.	***Description of Materials***	***Unit***	***Unit Rate***	***Total Quantity***	***Total Amount***
1	WPB (GI) Pole 160x152 (11Mtr. Long, 30.44KG/Mtr.)	No.	29,661.00	1	29,661.00
2	11 KV V cross Arm (10.2 K.g. each)	No.	1,053.00	1	1,053.00
3	Top bracket 100x50X6 mm GI channel (2kg each)	No.	195.00	1	195.00
4	Danger Plate, 1 no's. for each pole	No.	104.00	1	104.00
5	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	KG	97.50	0.30	29.34
6	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	104.00	3.00	312.00
7	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	KG	97.50	1.20	117.35
8	11 KV pin insulator polymer, 3 Nos. required for each support	No.	260.00	3	780.00
9	Earthing of Support (Coil Type)	No.	215.80	1	215.80
10	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	K.g.	97.50	0.26	25.55
11	GI Nut , Bolt & Washer of different sizes (1.45 Kg/ Pin Point)	K.g.	101.40	1.45	147.03
14	Black Paint	Ltr	286.00	1.0	286.00
15	Yellow Colour Paint for Background	Ltr	216.00	2.0	432.00
A				**Total Cost of materials**	**33,358.06**
B				Stock, Storage & Insurance i.e 3% of A	1,000.74
C				**Sub Total (A+B)**	**34,358.81**
D				Contigency @ 3% of C	1,030.76
E				Tools & Plants @ 2% of C	687.18
F				Transportation @ 7.5% of C	2,576.91
G				Erection Charges @ 5% on Trf/Breaker/WPB/ H-Pole	1,527.54
H				Erection Charges @ 10% of C (except Trf/Breaker/WPB/ H-Pole/HT stay set/PSC pole)	380.80
I				Erection Charges @ 20% of PSC pole- Not to be used for 33kv	-
J				**Sum of (C to I)**	**40,562.00**
	Civil & Services				
1	Concreting ratio 1:1.5:3 (500mmX500mmX1800mm) = 0.45Cu.mtr	Cu.mtr	6,500.00	0.45	2,925.00
2	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	6,500.00	0.11	731.25
K				**Total Civil & Services**	**3,656.25**
L				**Total Material+Services (I+K)**	**44,218.25**
M				Other overheads (Including 6% supervision charges) (for 11 KV Pin Points With WPB)	-
N				**Sub Total (L+M)**	**44,218.25**
O				Total GST @ 18% of (N)	7,959.28
O1				Total CESS @ 1% of (N)	442.18
P				**Gross Total Material +Services (N+O+O1) for 11 KV Pin Points With WPB**	**52,619.71**

Standard BoQ for 10mtr PSC Pole					
Sl. No.	***Description of Materials***	***Unit***	***Unit Rate***	***Total Quantity***	***Total Amount***
1	PSC POLE 10 METER LONG 330 KG	No	6,000.00	1	6,000.00
2	PSC Pole V cross Arm Back Clamp	EA	104.00	1	104.00
3	11 KV V cross Arm (10.2 K.g. each)	No.	1,053.00	1	1,053.00
3	Top bracket 100x50X6 mm GI channel (2kg each)	No.	195.00	1	195.00
5	Danger Plate, 1 no's. for each pole	No.	104.00	1	104.00
6	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	KG	97.50	0.30	29.34
7	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	104.00	3.00	312.00
8	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	KG	97.50	1.20	117.35
9	11 KV pin insulator polymer, 3 Nos. required for each support	No.	260.00	3	780.00
10	Earthing of Support (Coil Type)	No.	215.80	1	215.80
11	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	K.g.	97.50	0.26	25.55
12	GI Nut , Bolt & Washer of different sizes (1.45 Kg/ Pin Point)	K.g.	101.40	1.45	147.03
15	Black Paint	Ltr	286.00	1.0	286.00
16	Yellow Colour Paint for Background	Ltr	216.00	2.0	432.00
A				**Total Cost of materials**	**9,801.06**
B				Stock, Storage & Insurance i.e 3% of A	294.03
C				**Sub Total (A+B)**	**10,095.10**
D				Contigency @ 3% of C	302.85
E				Tools & Plants @ 2% of C	201.90
F				Transportation @ 7.5% of C	757.13
G				Erection Charges @ 5% on Trf/Breaker/WPB/ H-Pole	-
H				Erection Charges @ 10% of C (except Trf/Breaker/WPB/ H-Pole/HT stay set/PSC pole)	391.51
I				Erection Charges @ 20% of PSC pole- Not to be used for 33kv	1,236.00
J				**Sum of (C to I)**	**12,984.49**
	Civil & Services				
1	Concreting ratio 1:1.5:3 (500mmX500mmX1700mm) = 0.425 Cu.mtr	Cu.mtr	6,500.00	0.38	2,437.50
K				**Total Civil & Services**	**2,437.50**
L				**Total Material+Services (I+K)**	**15,421.99**
M				Other overheads (Including 6% supervision charges) (for 11 KV Pin Points With PSC)	-
N				**Sub Total (L+M)**	**15,421.99**
O				Total GST @ 18% of (N)	2,775.96
O1				Total CESS @1% of (N)	154.22
P				**Gross Total Material +Services (N+O+O1) for 11 KV Pin Points With PSC**	**18,352.17**

Standard BoQ for 9mtr PSC Pole					
Sl. No.	***Description of Materials***	***Unit***	***Unit Rate***	***Total Quantity***	***Total Amount***
1	PSC POLE 9 METER LONG 300 KG	No	3,900.00	1	3,900.00
2	PSC Pole V cross Arm Back Clamp	EA	104.00	1	104.00
3	11 KV V cross Arm (10.2 K.g. each)	No.	1,053.00	1	1,053.00
3	Top bracket 100x50X6 mm GI channel (2kg each)	No.	195.00	1	195.00
5	Danger Plate, 1 no's. for each pole	No.	104.00	1	104.00
6	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	KG	97.50	0.30	29.34
7	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	104.00	3.00	312.00
8	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	KG	97.50	1.20	117.35
9	11 KV pin insulator polymer, 3 Nos. required for each support	No.	260.00	3	780.00
10	Earthing of Support (Coil Type)	No.	215.80	1	215.80
11	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing	K.g.	97.50	0.26	25.55
12	GI Nut , Bolt & Washer of different sizes (1.45 Kg/ Pin Point)	K.g.	101.40	1.45	147.03
15	Black Paint	Ltr	286.00	1.0	286.00
16	Yellow Colour Paint for Background	Ltr	216.00	2.0	432.00
A				**Total Cost of materials**	**7,701.06**
B				Stock, Storage & Insurance i.e 3% of A	231.03
C				**Sub Total (A+B)**	**7,932.10**
D				Contigency @ 3% of C	237.96
E				Tools & Plants @ 2% of C	158.64
F				Transportation @ 7.5% of C	594.91
G				Erection Charges @ 5% on Trf/Breaker/WPB/ H-Pole	-
H				Erection Charges @ 10% of C (except Trf/Breaker/WPB/ H-Pole/HT stay set/PSC pole)	391.51
I				Erection Charges @ 20% of PSC pole- Not to be used for 33kv	803.40
J				**Sum of (C to I)**	**10,118.52**
Civil & Services					
1	Concreting ratio 1:1.5:3 (500mmX500mmX1500mm) = 0.375 Cu.mtr	Cu.mtr	6,500.00	0.38	2,437.50
K				**Total Civil & Services**	**2,437.50**
L				**Total Material+Services (I+K)**	**12,556.02**
M				Other overheads (Including 6% supervision charges) (for 11 KV Pin Points With PSC)	-
N				**Sub Total (L+M)**	**12,556.02**
O				Total GST @ 18% of (N)	2,260.08
O1				Total CESS @1% of (N)	125.56
P				**Gross Total Material +Services (N+O+O1) for 11 KV Pin Points With PSC**	**14,941.66**