

## COST DATA SHEET - 50

<b>Running Single Circuit 11kV, 3 Phase Power Line On 9.0 Mtr Supports With An Average Span Of 40 Mtrs Using Rabbit ACSR Conductor and PSCC poles of 300 Kg WL for dead ends and DP structure</b>							
SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 9 Mtrs Long, 300 kg WL	Nos	1	4686	4686	1166	1166
2	PSCC Pole - 9 Mtrs Long, 200 kg WL	Nos	23	3689	84847	1166	26818
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers for PSCC 300 kg WL poles	Set	1	447	447	106	106
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers for PSCC 200 kg WLpoles	Set	23	438	10074	106	2438
5	DP Structure with 9 Mtrs PSCC Poles of 300Kg WL	Set	1	14306	14306	3578	3578
6	11 KV, 5KN Polymeric Pin Insulator (24mm Dia FRP Rod)	Nos	72	180	12960	0	0
7	11KV 45 KN Polymeric Insulator	Nos	6	164	984	0	0
8	Guy Set Complete with No.15 strain insulator & Concreting materials	Sets	6	830	4980	390	2340
9	Rabbit ACSR Conductor	Kms	3.045	36497	111133	2869	8736
10	PG Clamps for Rabbit Conductor	Nos	6	79	474	0	0
11	Spiral Earth Electrode	Nos	26	165	4290	61	1586
12	EG Stirrups with GI wire lacing	Set of 2 Nos	24	191	4584	109	2616
13	Guy concreting with Boulders, Mud and Sand as per drawing No: BESCOM/GM/C.P/7 dtd:24.10.2007 (without cement)	Nos	6	0	0	174	1044
14	Caution/Danger Board as per Drawing No. BESCOM/GM/CP/40/Dt: 24.10.07	Nos	8	146	1168	53	424
15	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Nos	26	76	1976	28	728
	<b>Total</b>				<b>256909</b>		<b>51580</b>
	<b>Total Estimate Cost/Km in Rs.</b>					<b>308489</b>	
<b>Note:</b>	<b>Other charges such as GST, service tax, ESI, PF and other applicable charges shall be loaded as per Abstract of Estimate cost data sheet</b>						

## COST DATA SHEET - 51

**Running Single Circuit 11 kV, 3-Phase Power Line on 9.0 Mtr Supports with an Average Span of 50 Mtrs Using Rabbit ACSR Conductor and PSCC poles of 300 Kg WL for dead ends and DP structure**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 9 Mtrs Long, 300 kg WL	Nos	1	4686	4686	1166	1166
2	PSCC Pole - 9 Mtrs Long, 200 kg WL	Nos	18	3689	66402	1166	20988
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSCC poles for 300 kg WL)	Set	1	447	447	106	106
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSCC poles for 200kg WL)	Set	18	438	7884	106	1908
5	DP Structure with 9 Mtrs PSCC Poles of 300Kg WL	Set	1	14306	14306	3578	3578
6	11 KV, 5KN Polymeric Pin Insulator (24mm Dia FRP Rod)	Nos	57	180	10260	0	0
7	11KV 45 KN Polymeric Insulator	Nos	6	164	984	0	0
8	Guy Set Complete with No.15 strain insulator & Concreting materials	Sets	6	830	4980	390	2340
9	Rabbit ACSR Conductor	Kms	3.045	36497	111133	2869	8736
10	PG Clamps for Rabbit conductor	Nos	6	79	474	0	0
11	Spiral Earth Electrode	Nos	21	165	3465	61	1281
12	EG Stirrups with GI wire lacing	Set of 2 Nos	19	191	3629	109	2071
13	Guy concreting with Boulders, Mud and Sand	Nos	6	0	0	174	1044
14	Caution/Danger Board	Nos	6	146	876	53	318
15	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kg	21	76	1596	28	588
	<b>Total</b>				<b>231122</b>		<b>44124</b>
	<b>Total Estimate Cost/Km in Rs.</b>					<b>275246</b>	
<b>Note:</b>	<b>Other charges such as GST, service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

## COST DATA SHEET - 52

**Running Single Circuit 11 kV, 3-Phase Power Line on 9.0 Mtr Supports with an Average Span of 40 Mtrs Using COYOTE ACSR conductor and PSCC poles of 300 Kg WL for dead ends and DP structure**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 9 Mtrs Long, 300 kg WL	Nos	1	4686	4686	1166	1166
2	PSCC Pole - 9 Mtrs Long, 200 kg WL	Nos	22	3689	81158	1166	25652
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSCC poles for 300kg WL)	Set	1	447	447	106	106
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSCC poles for 200kg WL)	Sets	22	438	9636	106	2332
5	DP Structure with 9 Mtrs PSCC Poles of 300Kg WL	Sets	2	14306	28612	3578	7156
6	11 KV, 5KN Polymeric Pin Insulator (24mm Dia FRP Rod)	Nos	69	180	12420	0	0
7	70/90 kN Disc Insulators	Nos	12	431	5172	0	0
8	Strain Clamp 3 bolt type for Disc Insulator	Nos	12	494	5928	0	0
9	Guy Set Complete with No.15 strain insulator & Concreting materials	Sets	6	830	4980	390	2340
10	Coyote ACSR Conductor	Kms	3.045	100111	304838	5011	15258
11	PG Clamps for Coyote Conductor	Nos	12	275	3300	0	0
12	Spiral Earth Electrode	Nos	27	165	4455	61	1647
13	EG Stirrups with GI wire lacing	Set of 2 Nos	23	191	4393	109	2507
14	Guy concreting with Boulders, Mud and Sand as per drawing No: BESCO/GM/CP/7 dtd:24.10.2007 (without cement)	Nos	6	0	0	174	1044
15	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	10	146	1460	53	530
16	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	27	76	2052	28	756
	<b>Total</b>				<b>473537</b>		<b>60494</b>
	<b>Total Estimate Cost/Km in Rs.</b>					<b>534031</b>	
<b>Note:</b>	<b>Other charges such as GST, service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

## COST DATA SHEET - 53

**Running Single Circuit 11 kV 3 Phase Power Line and 3 Phase - 4 Wire Secondary Line on 9 Mtr Supports with an Average Span of 50 Mtrs using RABBIT Conductor for HT and WEASEL for LT Lines and using PSCC poles of 300 Kg WL for dead ends and DP structure**

Sl No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 9 Mtrs Long, 300 kg WL	Nos	1	4686	4686	1166	1166
2	PSCC Pole - 9 Mtrs Long, 200 kg WL	Nos	18	3689	66402	1166	20988
3	11kV Horizontal cross arms with clamps, HTST Supports, bolts, nuts and washers (for PSCC poles 300kg WL)	Set	1	447	447	106	106
4	11kV Horizontal cross arms with clamps, HTST Supports, bolts, nuts and washers (for PSCC poles 200kg WL)	Sets	18	438	7884	106	1908
5	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSCC poles 300kg WL)	Set	1	275	275	106	106
6	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSCC poles 200kg WL)	Sets	19	266	5054	106	2014
7	DP Structure with 9 Mtrs PSCC Poles of 300Kg WL	Set	1	14306	14306	3578	3578
8	11 KV, 5KN Polymeric Pin Insulator (24mm Dia FRP Rod)	Nos	57	180	10260	0	0
9	1.1kV Pin Insulators with GI Pins	Nos	76	48	3648	0	0
10	11KV 45 KN Polymeric Insulator	Nos	6	164	984	0	0
11	No.8 Strain Insulators	Nos	8	16	128	0	0
12	Guy Set Complete with No.15 strain insulator & Concreting materials	Sets	8	830	6640	390	3120
13	Rabbit ACSR for HT Lines	Kms	3.045	36497	111133	2869	8736
14	Weasel ACSR for LT lines	Kms	4.06	21552	87501	2104	8542
15	Spiral Earth Electrode	Nos	21	165	3465	61	1281
16	<b>Guarding between HT &amp; LT Lines</b>				0		0
17	a) Guarding Materials	Span	20	4000	80000	1165	23300
18	b) 4 Pin cross arms with clamps,bolts, nuts and washers for guarding	Sets	20	266	5320	0	0
19	PG Clamps for Rabbit conductor	Nos	6	79	474	0	0
20	Guy concreting with Boulders, Mud and Sand	Nos	8	0	0	174	1392
21	Caution/Danger Board	Nos	6	146	876	53	318
22	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	21	76	1596	28	588
	<b>Total</b>				<b>411079</b>		<b>77143</b>
	<b>Total Estimate Cost/Km in Rs.</b>					<b>488223</b>	
<b>Note:</b>	<b>Other charges such as GST, Service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

## COST DATA SHEET - 54

**Running Single Circuit 11 kV, 3-Phase Power Line & 3 Phase 4 Wire Secondary Line on 9.0 Mtr Supports with an Average Span of 40 Mtrs Using RABBIT ACSR conductor for HT & LT Lines and using PSCC poles of 300 Kg WL for dead ends and DP structure**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 9 Mtrs Long, 300 kg WL	Nos	1	4686	4686	1166	1166
2	PSCC Pole - 9 Mtrs Long, 200 kg WL	No's	23	3689	84847	1166	26818
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSCC poles 300kg WL)	Set	1	447	447	106	106
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSCC poles 200kg WL)	Sets	23	438	10074	106	2438
5	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSCC poles 300kg WL)	Set	1	275	275	106	106
6	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSCC poles 200kg WL)	Sets	24	266	6384	106	2544
7	DP Structure with 9 Mtrs PSCC Poles of 300Kg WL	Set	1	14306	14306	3578	3578
8	11 KV, 5KN Polymeric Pin Insulator (24mm Dia FRP Rod)	Nos	72	180	12960	0	0
9	1.1kV Pin Insulators with GI Pins	Nos	96	48	4608	0	0
10	11KV 45 KN Polymeric Insulator	Nos	6	164	984	0	0
11	No.8 Strain Insulators	Nos	8	16	128	0	0
12	Guy Set Complete with No.15 strain insulator & Concreting materials	Sets	8	830	6640	390	3120
13	Rabbit ACSR Conductor	Kms	7.105	36497	259311	2869	20384.25
14	PG Clamps for Rabbit conductor	Nos	6	79	474	0	0
15	Spiral Earth Electrode	Nos	26	165	4290	61	1586
16	<b>Guarding between HT &amp; LT Lines</b>				0		0
	a) Guarding Materials	Span	25	3200	80000	663	16575
	b) 4 Pin cross arms with clamps, bolts, nuts and washers.	Sets	25	266	6650	0	0
17	Guy concreting with Boulders, Mud and Sand	Nos	8	0	0	174	1392
18	Caution/Danger Board	Nos	8	146	1168	53	424
19	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	26	76	1976	28	728
	<b>Total</b>				<b>500208</b>		<b>80965</b>
	<b>Total Estimate Cost/Km in Rs.</b>					<b>581173</b>	
<b>Note:</b>	<b>Other charges such as GST, Service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

## COST DATA SHEET - 55

**Running LT, 3-Phase 4 Wire Power Line on 9.0 Mtr Supports Using RABBIT ACSR Conductor with an Average Span of 40 Mtrs and using PSCC poles of 300 Kg WL for dead ends and DP structure**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 9 Mtrs Long, 300 kg WL	Nos	1	4686	4686	1166	1166
2	PSCC Pole - 9 Mtrs Long, 200 kg WL	Nos	24	3689	88536	1166	27984
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSCC poles for 300kg WL)	Set	1	275	275	106	106
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSCC poles for 200kg WL)	Sets	24	266	6384	106	2544
5	1.1kV Pin Insulators with GI Pins	Nos	96	48	4608	0	0
6	No.8 Strain Insulators	Nos	8	16	128	0	0
7	Guy Set Complete with No. 8 strain insulator & Concreting materials	Sets	8	811	6488	390	3120
8	Rabbit ACSR Conductor	Kms	4.06	36497	148178	2869	11648.14
9	Spiral Earth Electrode	Nos	25	165	4125	61	1525
10	Guy concreting with Boulders, Mud and Sand	Nos	8	0	0	174	1392
11	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	25	76	1900	28	700
	<b>Total</b>				<b>265308</b>		<b>50185</b>
	<b>Total Estimate Cost/Km in Rs.</b>					<b>315493</b>	
<b>Note:</b>	<b>Other charges such as GST, Service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

**COST DATA SHEET - 55 (A)**

**Running LT, 3-Phase 4 Wire Power Line on 8.0 Mtr Supports Using RABBIT ACSR Conductor with an Average Span of 40 Mtrs and using 8mtrs PSCC poles of 200 Kg WL for dead ends, anchor points and DP structure**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 8 Mtrs Long, 200 kg WL	Nos	25	3054	76350	932	23300
2	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSCC poles for 200kg WL)	Sets	25	266	6650	106	2650
3	1.1kV Pin Insulators with GI Pins	Nos	96	48	4608	0	0
4	No.8 Strain Insulators	Nos	8	16	128	0	0
5	Guy Set Complete with No. 8 strain insulator & Concreting materials	Sets	8	811	6488	390	3120
6	Rabbit ACSR Conductor	Kms	4.06	36497	148178	2869	11648.14
7	Spiral Earth Electrode	Nos	25	165	4125	61	1525
8	Guy concreting with Boulders, Mud and Sand	Nos	8	0	0	174	1392
9	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	25	76	1900	28	700
	<b>Total</b>				<b>248427</b>		<b>44335</b>
	<b>Total Estimate Cost/Km in Rs.</b>				<b>292762</b>		
<b>Note:</b>	<b>Other charges such as GST, Service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

## COST DATA SHEET - 56

**Running LT, 3-Phase 5 Wire for Power Line on 9.0 Mtr Supports Using RABBIT ACSR Conductor for Phase and Neutral, and WEASEL Conductor or Street Light with an Average Span of 40 Mtrs and using PSCC poles of 300 Kg WL for dead ends and Anchor Points (For Cities, Towns and Residential Layouts)**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 9 Mtrs Long, 300 kg WL (for Deadend, Anchor points)	Nos	6	4686	28116	1166	6996
2	PSCC Pole - 9 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	19	3689	70091	1166	22154
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSCC poles 300kg WL)	Sets	7	275	1925	106	742
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSCC poles 200kg WL)	Sets	22	266	5852	106	2332
5	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for PSCC poles 300kg WL)	Sets	7	171	1197	106	742
6	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for PSC poles 200kg WL)	Sets	18	162	2916	106	1908
7	1.1kV Pin Insulators with GI Pins	Nos	95	48	4560	0	0
8	No.8 Strain Insulators	Nos	50	16	800	0	0
9	Guy Set Complete with No. 8 strain insulator & Concreting materials	Sets	10	811	8110	390	3900
10	Rabbit ACSR Conductor	Kms	4.06	36497	148178	2869	11648
11	Weasel ACSR Conductor	Kms	1.015	21552	21875	2104	2136
12	Spiral Earth Electrode	Nos	25	165	4125	61	1525
13	Guy concreting with Boulders, Mud and Sand	No's	8	0	0	174	1392
14	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps meter & 50/5A CT including wiring	No's	1	5954	5954	622	622
15	PVC Pipe 40 mm Dia	Mtrs	6	46	276	0	0
16	PVC Insulated wire 25 Sqmm Single Core Multi stranded	Mtrs	25	32.31	807.75	0	0
17	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	25	76	1900	28	700
	<b>Total</b>				<b>306683</b>		<b>56797</b>
	<b>Total Estimate Cost/Km in Rs.</b>					<b>363480</b>	
<b>Note:</b>	<b>Other charges such as GST, service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

## COST DATA SHEET - 56 (A)

**Running LT, 3-Phase 5 Wire for Power Line on 8.0 Mtr Supports Using RABBIT ACSR Conductor for Phase and Neutral, and WEASEL Conductor or Street Light with an Average Span of 40 Mtrs and using PSCC poles of 200 Kg WL for dead ends and Anchor Points (For Cities, Towns and Residential Layouts)**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 8 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	25	3054	76350	932	23300
2	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSCC poles 200kg WL)	Sets	26	266	6916	106	2756
3	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for PSCC poles 200kg WL)	Sets	25	162	4050	106	2650
4	1.1kV Pin Insulators with GI Pins	Nos	95	48	4560	0	0
5	No.8 Strain Insulators	Nos	50	16	800	0	0
6	Guy Set Complete with No. 8 strain insulator & Concreting materials	Sets	10	811	8110	390	3900
7	Rabbit ACSR Conductor	Kms	4.06	36497	148178	2869	11648
8	Weasel ACSR Conductor	Kms	1.015	21552	21875	2104	2136
9	Spiral Earth Electrode	Nos	25	165	4125	61	1525
12	Guy concreting with Boulders, Mud and Sand	No's	8	0	0	174	1392
13	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps meter & 50/5A CT including wiring	No's	1	5954	5954	622	622
14	PVC Pipe 40 mm Dia	Mtrs	6	46	276	0	0
16	PVC Insulated wire 25 Sqmm Single Core Multi stranded	Mtrs	25	32.31	807.75	0	0
17	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	25	76	1900	28	700
	<b>Total</b>				<b>283902</b>		<b>50629</b>
	<b>Total Estimate Cost/Km in Rs.</b>					<b>334531</b>	
<b>Note:</b>	<b>Other charges such as GST, service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

## COST DATA SHEET - 57

**Running LT, 3-Phase 5 Wire Power Line with Continuous Earth Wire on 9.0 Mtr Supports Using RABBIT ACSR for Phase and Neutral, and WEASEL Conductor for Street Light and 8 SWG GI Wire for Continuous Earth Wire with an Average Span of 40 Mtrs in Vertical Configuration and using PSCC poles of 300 Kg WL for dead ends and Anchor Points**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 9 Mtrs Long, 300 kg WL (for Deadend, Anchor points)	Nos	6	4686	28116	1166	6996
2	PSCC Pole -9 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	19	3689	70091	1166	22154
3	Fabricated Vertical Cross Arms with pole, clamps, bolts, nuts and washers	Sets	30	645	19350	316	9480
4	1.1kV Pin Insulators with GI Pins	Nos	100	48	4800	0	0
5	No.8 Strain Insulators	Nos	50	16	800	0	0
6	Guy Set Complete with No. 8 strain insulator & Concreting materials	Sets	12	811	9732	390	4680
7	Rabbit ACSR Conductor	Kms	4.06	36497	148178	2869	11648
8	Weasel ACSR Conductor	Kms	1.015	21552	21875	2104	2136
9	No.8 SWG GI wire for continuous earth wire	Kms	1.015 (103 kgs)	63.293 per kg	6520	2104 per KM	2135
10	8 SWG GI wire for guard loops	Kgs	26	63.293	1646	0	0
11	Spiral Earth Electrode	Nos	25	165	4125	61	1525
12	Guy concreting with Boulders, Mud and Sand	Nos	8	0	0	174	1392
13	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps meter & 50/5A CT including wiring	Nos	1	5954	5954	622	622
14	PVC Pipe 40 mm Dia	Mtrs	6	46	276	0	0
15	PVC Insulated wire 25 Sqmm Single Core Multi Stranded	Mtrs	25	32.31	808	0	0
16	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	25	76	1900	28	700
	<b>Total</b>				<b>324170</b>		<b>63468</b>
	<b>Total Estimate Cost/Km in Rs.</b>					<b>387638</b>	
<b>Note:</b>	<b>Other charges such as GST, Service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

## COST DATA SHEET - 58

**Running Single Circuit 11 kV, 3-phase Power Line on 9.0 Mtr Supports Using RABBIT ACSR Conductor and using PSCC poles of 300 Kg WL for dead ends and Anchor Points, With an Average Span of 40 Mtrs in Vertical Configuration in Congested Areas**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	PSCC Pole - 9 Mtrs Long, 300 kg WL (for Deadend, Anchor points)	Nos	1	4686	4686	1166	1166
2	PSCC Pole - 9 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	23	3689	84847	1166	26818
3	DP Structure with 9 Mtrs PSCC Poles of 300Kg WL	Set	1	14306	14306	3578	3578
4	Special cross arm with cross arm for EG Stirrups, braces, clamps, bolts nuts and washers complete	Sets	23	1156	26588	348	8004
5	11 KV, 5KN Polymeric Pin Insulator (24mm Dia FRP Rod)	Nos	69	180	12420	0	0
6	11KV 45 KN Polymeric Insulator	Nos	6	164	984	0	0
7	Guy Set Complete with No. 15 strain insulator & Concreting materials	Sets	9	830	7470	390	3510
8	Rabbit ACSR Conductor	Kms	3.045	36497	111133	2869	8736.105
9	Spiral Earth Electrode	Nos	26	165	4290	61	1586
10	EG Stirrups with GI wire lacing	Set of 2 No's	25	191	4775	109	2725
11	Guy concreting with Boulders, Mud and Sand	Nos	9	0	0	174	1566
12	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	26	76	1976	28	728
<b>Total cost of Material &amp; Labour</b>						<b>273475</b>	<b>58417</b>
<b>Total Estimate Cost/Km in Rs.</b>						<b>331892</b>	
<b>Note:</b>	<b>Item 4 includes, the following</b>						
	<b>a) Special cross arms 50x50x6 mm MS 0.715 mtr long 3-Nos</b>						
	<b>b) Support piece for fixing EG stirrup 50x50x6 mm MS Angle 0.865 mtr long - 1 No</b>						
	<b>c) Brace 50x50x6 mm MS Angle 0.850 mtr long - 1 No</b>						
	<b>d) 50x6 mm Flat 1.8 mtr, long - 1No</b>						
	<b>e) RCC Pole Clamps - 5 Nos</b>						
	<b>f) Cross Arm for fixing EG Stirrup - 1 No</b>						
<b>Note:</b>	<b>Other charges such as GST, service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

**COST DATA SHEET - 59****Providing 2 Pole Structures at the Tapping Point Using 9Mtrs PSCC Poles of 300 Kg WL**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
<b>Part-A: LINES</b>							
1	DP Structure using 9 Mtrs PSCC Poles of 300Kg WL	Set	1	14306	14306	3578	3578
2	11KV 45 KN Polymeric Insulator	Nos	6	164	984	0	0
3	Guy Set Complete with No.15 strain insulator & Concreting materials	Sets	2	830	1660	390	780
4	Spiral Earth Electrode	Nos	2	165	330	61	122
5	Guy concreting with Boulders, Mud and Sand	Nos	2	0	0	174	348
6	Caution/Danger Board	No	1	146	146	53	53
7	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	2	76	152	28	56
<b>Total Part A</b>					<b>17578</b>		<b>4937</b>
<b>Part-B: SWITCH GEAR</b>							
8	11kV 400A D/B GOS	Set	1	17545	17545	777	777
9	H-Frame for mounting GOS	No	1	3724	3724	210	210
10	DOLO Cut Out	Set/3 Nos	1	4848	4848	155	155
<b>Total Part B</b>					<b>26117</b>		<b>1142</b>
<b>Total Material cost (A+B)</b>					<b>43695</b>		<b>6079</b>
<b>Total Cost of Estimate using 9 Mtrs PSCC Pole of 300Kg WL</b>					<b>49774</b>		
<b>Note:</b>	<b>1) Other charges such as GST, service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						

**COST DATA SHEET - 60****Erection of 3 Pole Structure With 9 Mtr PSCC Poles of 300 Kg WL**

SL. No	Particulars	Unit	Qty	Material cost (Rs)		Labour Cost (Rs)	
				Rate	Amt	Rate	Amt
1	3 Pole Structure complete using 9 Mtrs PSCC Poles of 300kg WL ( Including Cost of Poles)	Set	1	24010	24010	6899	6899
2	Spiral Earth Electrode	Nos	3	165	495	61	183
3	Guy Set Complete with No.15 strain insulator & Concreting materials	Sets	3	830	2490	390	1170
4	11KV 45 KN Polymeric Insulator	Nos	6	164	984	0	0
5	11 KV, 5KN Polymeric Pin Insulator (24mm Dia FRP Rod)	Nos	3	180	540	0	0
6	Guy concreting with Boulders, Mud and Sand	Nos	3	0	0	174	522
7	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	2	146	292	53	106
8	Anti Climbing Device (12mtrs GI Barbed Wire) Lumpsum	Kgs	3	76	228	28	84
9	Total Material cost				<b>29039</b>		<b>8964</b>
	<b>Total Estimate Cost/Unit in Rs.</b>				<b>38003</b>		
<b>Note:</b>	<b>Other charges such as GST, service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet</b>						