

COST DATA SHEET - 23

**For laying of 1 Km Length of 11kV, 3 Core, 400 Sqmm XLPE UG Cable
Using Conventional Laying with Excavation in Soil**

SL. No	Particulars	Unit	Qty	Material cost	
				Rate	Amt
1	11kV Class 3x400 Sqmm XLPE UG Cable (Flat Armoured)	Km	1	1565000	1565000
2	11kV Class 3x400 Sqmm XLPE UG Cable (Round Armoured)	Km	1	1956000	1956000
3	Straight Through Jointing Kits HS Type suitable for 3x400 Sqmm Cable	Nos	3	8050	24150
4	Cable Termination Kit Outdoor HS Type Suitable for 3x400 Sqmm Cable	Per Kit	1	3940	3940
5	Cable Termination Kit Indoor HS Type Suitable for 3x400 Sqmm Cable	Per Kit	1	3540	3540
6	Cable Covering Tiles 250x125x40 mm or 125x125x40 mm	Nos	4000 / 8000	10/5	40000
7	Sand	Cmt	60	1700	102000
8	RCC Hume Pipe, 2000mm Long, 150mm Dia	Nos	30	300	9000
9	Collars for RCC Hume Pipe	Nos	30	80	2400
10	GI Pipe, 150 mm Dia for drain crossing, cable raising etc.,	Mtrs	8	1144	9152
11	Route and Joint indicating stones	Nos	20	120	2400
	Total (Flat Armoured)				1761582
	Total (Round Armoured)				2152582
10	Labour charges				
	a) Cable trench excavation, 1000x0.6x1=600, Ordinary soil	Cmt	600	205	123000
	b) Laying of cable in trench	Km	1	39774	39774
	c) Refilling and consolidation	Cmt	550	45	24750
	d) Making of straight through joints	Nos	3	1695	5085
	e) Making of cable terminations	Nos	2	1554	3108
	f) Covering the cable with tiles	Km	1	2603	2603
	g) Spreading Sand and forming with Sand round the cable	Km	1	9146	9146
	h) Laying of RCC Hume pipes	Mtrs	60	40	2400
	i) Laying of GI Pipe	Mtrs	8	45	360
	j) Laying of Route and Joint indicating stones	Nos	20	68	1360
	Total Labour Charges				
	a) Casual				211586
	b) Regular				42317
	Total Cost/Km in Rs. (Flat Armoured)				2015485
	Total Cost/Km in Rs. (Round Armoured)				2406485
11	Add rates for Reinstatements of Roads	As per prevailing rates prescribed by local bodies (Corporations/ Municipalities/VPs)			
	NOTE				
1)	While preparing estimates for turnkey / total tunkey projects please refer to Sl. No. of General Guidelines vide a to in Page No.				
2)	When multiples cables have to be laid in the common trench the following excavation is to be followed: a) 0.75 Mtrs x 1 Mtrs for 2 cables. b) 1 Mtr x 1 Mtr for 3 cables. c) 1.25 Mtr x 1 Mtr for 4 nos. of cables and so on (As per Ltr No. BESCO/BC-14/F-45				
3)	Where cables are laid using trenchless technology, there may be a necessity to lay the cable in open trench excavation. Hence provisions shall be made for both in the estimate and the bills shall be paid as per actual inventory taken.				

COST DATA SHEET - 22

**For laying of 1 Km Length of 11kV, 3 Core, 400 Sqmm XLPE UG Cable
Using Horizontal Drilling**

SL. No	Particulars	Unit	Qty	Material cost	
				Rate	Amt
	Material Cost				
1	11kV Class 3x400 Sqmm XLPE UG Cable (Flat Armoured)	Km	1	1565000	1565000
2	11kV Class 3x400 Sqmm XLPE UG Cable (Round Armoured)	Km	1	1956000	1956000
3	Straight Through Jointing Kits HS Type suitable for 400 Sqmm Cable	Nos	3	8050	24150
4	Cable Termination Kit Outdoor HS Type Suitable for 400 Sqmm Cable	Per Kit	1	3940	3940
5	Cable Termination Kit Indoor HS Type Suitable for 400 Sqmm Cable	Per Kit	1	3540	3540
6	RCC Hume Pipe, 2000 mm Long, 150 mm Dia	Nos	3	300	900
7	Collars for RCC Hume pipe	Nos	2	80	160
8	GI Pipe, 150 mm Dia for drain crossing, cable raising etc.,	Mtrs	8	1144	9152
9	Route and Joint Indicating Stones	Nos	10	120	1200
	Total (Flat Armoured)				1608042
	Total (Round Armoured)				1999042
10	Labour charges				
	a) Laying of cable in trench in wherever necessary	Mtrs	50	39774	1989
	b) Labour chargers for horizontal drilling with 6 inches bore size				
	i) Without HDPE Pipe	Rmtr	50	706	35300
	ii) With HDPE pipe	Rmtr	900	1031	927900
	c) Making of straight through joints	Nos	3	1695	5085
	d) Making of cable terminations	Nos	2	1554	3108
	e) Laying of RCC Hume pipes	Nos	60	40	2400
	f) Laying of GI Pipe	Mtr	8	45	360
	g) Laying of Route and Joint indicating stones	Nos	20	68	1360
	Total Labour Charges				977502
	a) Casual				977502
	b) Regular				195500
	Total Cost/Km in Rs. (Flat Armoured)				2781044
	Total Cost/Km in Rs. (Round Armoured)				3172044
11	Add rates for Reinstatements of Roads	As per prevailing rates prescribed by local bodies (Corporations/Municipalities/VPs)			
	NOTE				
1)	While preparing estimates for turnkey / total tunkey projects please refer to Sl. No. of General Guidelines vide a to in Page No.				
2)	When multiples cables have to be laid in the common trench the following excavation is to be followed: a) 0.75 Mtrs x 1 Mtrs for 2 cables. b) 1 Mtr x 1 Mtr for 3 cables. c) 1.25 Mtr x 1 Mtr for 4 nos. of cables and so on (As per Ltr No. BESCO/BC-14/F-45				
3)	Where cables are laid using trenchless technology, there may be a necessity to lay the cable in open trench excavation. Hence provisions shall be made for both in the estimate and the bills shall be paid as per actual inventory taken.				

COST DATA SHEET - 21

**For Laying of 1 Km Length of 11kV, 3 Core, 240 Sqmm XLPE UG Cable
Using Conventional Laying with Excavation in Soil**

SL. No	Particulars	Unit	Qty	Material cost	
				Rate	Amt
1	11kV Class 3x240 Sqmm XLPE UG Cable (Flat Armoured)	Km	1	1038890	1038890
2	11kV Class 3x240 Sqmm XLPE UG Cable (Round Armoured)	Km	1	1279950	1279950
2	Straight Through Jointing Kits HS Type suitable for 3x240 Sqmm Cable	Nos	3	6555	19665
3	Cable termination kit Outdoor HS Type Suitable for 3x240 Sqmm Cable	Per Kit	1	3910	3910
	Cable termination kit Indoor HS Type Suitable for 3x240 Sqmm Cable	Per Kit	1	3450	3450
4	Cable Covering Tiles 250x125x40 mm or 125x125x40 mm	Nos	4000 / 8000	10/5	40000
5	Sand	Cmt	60	1700	102000
6	RCC Hume pipe, 2000 mm Long, 150 mm Dia	Nos	30	300	9000
7	Collars for RCC Hume Pipe	Nos	30	80	2400
8	GI Pipe, 100 mm Dia for drain crossing, cable raising etc.,	Mtrs	8	1144	9152
9	Route and Joint Indicating Stones	Nos	20	120	2400
	Total (Flat Armoured)				1230867
	Total (Round Armoured)				1471927
10	Labour charges				
	a) Cable trench excavation, 1000x0.6x1=600, Ordinary soil	Cmt	600	205	123000
	b) Laying of cable in trench	Km	1	37786	37786
	c) Refilling and consolidation	Cmt	550	45	24750
	d) Making of straight through joints	Nos	3	1695	5085
	e) Making of cable terminations	Nos	2	1554	3108
	f) Covering the cable with tiles	Km	1	2603	2603
	g) Spreading Sand and forming with Sand round the cable	Km	1	9146	9146
	h) Laying of RCC Hume pipes	Mtr	60	40	2400
	i) Laying of GI Pipe	Mtr	8	45	360
	j) Laying of Route and Joint indicating stones	Nos	20	68	1360
	Total Labour Charges				
	a) Casual				209598
	b) Regular				41920
	Total Cost/Km in Rs. (Flat Armoured)				1482385
	Total Cost/Km in Rs. (Round Armoured)				1723445
11	Add Rates for Reinstatements of Roads	As per prevailing rates prescribed by local bodies (Corporations/Municipalities/VPS as applicable)			
	NOTE				
1)	While preparing estimates for turnkey / total tunkey projects please refer to Sl. No. of General Guidelines vide a to in Page No.				
2)	When multiples cables have to be laid in the common trench the following excavation is to be followed: a) 0.75 Mtrs x 1 Mtrs for 2 cables. b) 1 Mtr x 1 Mtr for 3 cables. c) 1.25 Mtr x 1 Mtr for 4 nos. of cables and so on (As per Ltr No. BESCO/BC-14/F-45				
3)	Where cables are laid using trenchless technology, there may be a necessity to lay the cable in open trench excavation. Hence provisions shall be made for both in the estimate and the bills shall be paid as per actual inventory taken.				

COST DATA SHEET - 20

**For Laying of 1 Km Length of 11kV, 3 Core, 240 Sqmm XLPE UG Cable
Using Horizontal Drilling**

SL. No	Particulars	Unit	Qty	Material cost	
				Rate	Amt
	Material Cost				
1	11kV Class 3x240 Sqmm XLPE UG Cable (Flat Armoured)	Km	1	1038890	1038890
2	11kV Class 3x240 Sqmm XLPE UG Cable (Round Armoured)	Km	1	1279950	1279950
3	Straight Through Jointing Kits HS Type suitable for 240 Sqmm Cable	Nos	3	6555	19665
4	Cable Termination Kit Outdoor/Indoor HS Type Suitable for 240 Sqmm Cable	Per Kit	1	3910	3910
	Cable Termination Kit Outdoor/Indoor HS Type Suitable for 240 Sqmm Cable	Per Kit	1	3450	3450
5	RCC Hume Pipe, 2000 mm Long, 150 mm Dia	Nos	3	300	900
6	Collars for RCC Hume pipe	Nos	2	80	160
7	GI Pipe, 100 mm Dia for drain crossing, cable raising etc.,	Mtrs	8	1144	9152
8	Route and Joint Indicating Stones	Nos	10	120	1200
	Total (Flat Armoured)				1077327
	Total (Round Armoured)				1318387
9	Labour charges				
	a) Laying of cable in trench in wherever necessary	Mtrs	50	37786	1889
	b) Labour chargers for horizontal drilling with 6 inches bore size				
	i) Without HDPE Pipe	Rmtr	50	706	35300
	ii) With HDPE pipe	Rmtr	900	1031	927900
	c) Making of straight through joints	Nos	3	1695	5085
	d) Making of cable terminations	Nos	2	1554	3108
	e) Laying of RCC Hume pipes	Nos	60	40	2400
	f) Laying of GI Pipe	Mtrs	8	45	360
	g) Laying of Route and Joint indicating stones	Nos	20	68	1360
	Total Labour Charges				977402
	a) Casual				977402
	b) Regular				195480
	Total Cost/Km in Rs. (Flat Armoured)				2250210
	Total Cost/Km in Rs. (Round Armoured)				2491270
10	Add Rates for Reinstatements of Roads	As per prevailing rates prescribed by local bodies (Corporations/Municipalities/VPS as applicable)			
	NOTE				
1)	While preparing estimates for turnkey / total tunkey projects please refer to Sl. No. of General Guidelines vide a to in Page No.				
2)	When multiples cables have to be laid in the common trench the following excavation is to be followed: a) 0.75 Mtrs x 1 Mtrs for 2 cables. b) 1 Mtr x 1 Mtr for 3 cables. c) 1.25 Mtr x 1 Mtr for 4 nos. of cables and so on (As per Ltr No. BESCO/BC-14/F-45				
3)	Where cables are laid using trenchless technology, there may be a necessity to lay the cable in open trench excavation. Hence provision shall be made for both in the estimate and the bills shall be paid as per actual inventory taken.				

COST DATA SHEET - 19

**For Laying of 1 Km Length of 11kV, 3 Core, 95 Sqmm XLPE UG Cable
Using Conventional Laying with Excavation of Soil**

SL. No	Particulars	Unit	Qty	Material cost	
				Rate	Amt
	Material Cost				
1	11kV Class 3x95 Sqmm XLPE UG Cable (Flat Armoured)	Km	1	548860	548860
2	11kV Class 3x95 Sqmm XLPE UG Cable (Round Armoured)	Km	1	675110	675110
3	Straight Through Jointing Kits HS Type suitable for 95 Sqmm Cable	Nos	3	5375	16125
4	Cable Termination Kit Outdoor HS Type Suitable for 95 Sqmm Cable	Per Kit	1	2990	2990
	Cable Termination Kit Indoor HS Type Suitable for 95 Sqmm Cable	Per Kit	1	2753	2753
5	Cable covering tiles 250x125x40 mm or 125x125x40 mm	Nos	4000/ 8000	10/5	40000
6	Sand	Cmt	60	1700	102000
7	RCC Hume Pipe, 2000 mm Long, 150 mm Dia	Nos	30	300	9000
8	Collars for RCC Hume Pipe	Nos	30	80	2400
9	GI Pipe, 100 mm Dia for drain crossing, cable raising etc.,	Mtrs	8	1144	9152
10	Route and Joint Indicating Stones	Nos	20	120	2400
	Total (Flat Armoured)				735680
	Total (Round Armoured)				861930
11	Labour charges				
	a) Cable trench excavation, 1000x0.6x1=600, Ordinary soil	Cmt	600	205	123000
	b) Laying of cable in trench	km	1	35797	35797
	c) Refilling and consolidation	Cmt	550	45	24750
	d) Making of straight through joints	No	3	1695	5085
	e) Making of cable terminations	No	2	1554	3108
	f) Covering the cable with tiles	km	1	2603	2603
	g) Spreading Sand and forming with Sand round the cable	km	1	9146	9146
	h) Laying of RCC Hume pipes	mtr	60	40	2400
	i) Laying of GI Pipe	mtr	8	45	360
	j) Laying of Route and Joint indicating stones	No	20	68	1360
	Total Labour Charges				207609
	a) Casual				207609
	b) Regular				41522
	Total Cost/Km in Rs. (Flat Armoured)				984811
	Total Cost/Km in Rs. (Round Armoured)				1111061
12	Add Rates for Reinstatements of Roads	As per prevailing rates prescribed by local bodies (Corporations/Municipalities/ VPS as applicable)			
	NOTE				
1)	While preparing estimates for turnkey / total tunkey projects please refer to Sl. No. of General Guidelines vide a to in Page No.				
2)	When multiples cables have to be laid in the common trench the following excavation is to be followed: a) 0.75 Mtrs x 1 Mtrs for 2 cables. b) 1 Mtr x 1 Mtr for 3 cables. c) 1.25 Mtr x 1 Mtr for 4 nos. of cables and so on (As per Ltr No. BESCO/BC-14/F-45				
3)	Where cables are laid using trenchless technology, there may be a necessity to lay the cable in open trench excavation. Hence provision shall be made for both in the estimate and the bills shall be paid as per actual inventory taken.				

COST DATA SHEET - 18

**For laying of 1 Km Length of 11kV, 3 Core 95 Sqmm XLPE UG Cable
Using Horizontal Drilling**

SL. No	Particulars	Unit	Qty	Material cost	
				Rate	Amt
	Material Cost				
1	11kV Class 3x95 Sqmm XLPE UG Cable (Flat Armoured)	Km	1	548860	548860
2	11kV Class 3x95 Sqmm XLPE UG Cable (Round Armoured)	Km	1	675110	675110
3	Straight Through Jointing Kits HS Type suitable for 95 Sqmm Cable	Nos	3	5375	16125
4	Cable Termination Kit Outdoor HS Type suitable for 95 Sqmm Cable	Per Kit	2	2990	5980
	Cable Termination Kit Indoor HS Type suitable for 95 Sqmm Cable	Per Kit	2	2753	5506
5	RCC Hume Pipe, 2000 mm Long, 150 mm Dia	Nos	3	300	900
6	Collars for RCC Hume Pipe	Nos	2	80	160
7	GI Pipe, 100 mm Dia for drain crossing, cable raising etc.,	Mtrs	8	1144	9152
8	Route and Joint Indicating Stones	Nos	10	120	1200
	Total (Flat Armoured)				587883
	Total (Round Armoured)				714133
9	Labour charges				
	a) Laying of cable in trench in wherever necessary	Mtrs	50	35797	1790
	b) Labour chargers for horizontal drilling with 6 inches bore size				
	i) Without HDPE Pipe	Rmtr	50	706	35300
	ii) With HDPE pipe	Rmtr	900	1031	927900
	c) Making of straight through joints	Nos	3	1695	5085
	d) Making of cable terminations	Nos	2	1554	3108
	e) Laying of RCC Hume pipes	Nos	60	40	2400
	f) Laying of GI Pipe	Mtrs	8	45	360
	g) Laying of Route and Joint indicating stones	Nos	20	68	1360
	Total Labour Charges				977303
	a) Casual				977303
	b) Regular				195461
	Total Cost/Km in Rs. (Flat Armoured)				1760646
	Total Cost/Km in Rs. (Round Armoured)				1886896
10	Add Rates for Reinstatements of Roads	As per prevailing rates prescribed by local bodies (Corporations/Municipalities/ VPS as applicable)			
Note:					
1)	While preparing estimates for turnkey/total tunkey projects please refer to Sl. No. of General Guidelines vide a to in Page No.				
2)	When multiples cables have to be laid in the common trench the following excavation is to be followed: a) 0.75 Mtrs x 1 Mtrs for 2 cables. b) 1 Mtr x 1 Mtr for 3 cables. c) 1.25 Mtr x 1 Mtr for 4 nos. of cables and so on (As per Ltr No. BESCO/BC-14/F-45				
3)	Where cables are laid using trenchless technology, there may be a necessity to lay the cable in open trench excavation. Hence provision shall be made for both in the estimate and the bills shall be paid as per actual inventory taken.				

COST DATA SHEET -17

Estimate for Providing Metering to IP Set Installations Using SMC Box

SL. No	Paritculars	Unit	Qty	Material cost	
				Rate	Amt
1	Whole Current Meter 10-60A 3 Phase (Static Meter) Class-1 Accuracy	Nos	1	3000	3000
2	SMC Meter Housing box with 6 mm hylam sheet	Nos	1	2100	2100
4	16 Sqmm Alluminium Single Core/Multi Core of Grade 650/1100V (16 Mts)	Set	1	368	368
5	PVC Pipe of 2 mm Thick 40mm Dia	Mtrs	4	50	200
6	3 Nos Porcelain Cutouts 60A with Wooden Plank	Set	1	474	474
7	Misc materials such as water tight bends and aluminium pins/bullets	LS	LS	-	150
8	Labour Charges (Lump sum)	LS	LS	-	700
	Total				6992

COST DATA SHEET -16

Erection of 3 Pole Structure With 9 Mtr RCC Pole

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
	Part-A: LINES						
1	3 Pole Structure complete using 9 Mtrs RCC Poles (Including Cost of Poles)	Set	1	27446	27446	6271	6271
2	Spiral Earth Electrode	Nos	3	207	621	55	165
3	Guy Set With No.15 Strain Insulator Complete	Sets	3	742	2226	354	1062
4	45kN Disc Insulators	Nos	6	290	1740	0	0
5	11kV Pin Insulators with GI Pins	Nos	3	94	282	0	0
6	Concrete for Guy set (without cement)	Nos	3	158	474	0	0
7	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	2	120	240	49	98
8	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	3	64	192	25	75
9	Total Material cost				33221		
10	Labour Charges						
	a) Casual						7671
	b) Regular						1534
	Total Cost/Unit in Rs.				42426		
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports						
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet						

COST DATA SHEET -15

Providing 2 Pole Structure at the Tapping Point Using RCC Poles

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
	Part-A: LINES						
1	RCC DP Structure using 9 Mtrs RCC Pole with WL 145 kg	Set	1	15910	15910	3252	3252
2	RCC DP Structure using 8 Mtrs RCC Pole with WL 115 kg	Set	1	12730	12730	3104	3104
3	45kN Disc Insulators	Nos	6	290	1740	0	0
4	Guy Set Complete	Sets	2	742	1484	354	708
5	Spiral Earth Electrode	Nos	2	207	414	55	110
6	Concrete for Guy Set (without Cement)	Nos	2	158	316	0	0
7	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	No	1	120	120	49	48
8	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	2	64	128	25	50
	Total Part A						
	Using 8 Mtrs RCC Pole				16932		4020
	Using 9 Mtrs RCC Pole				20112		4168
	Part-B: SWITCH GEAR						
10	11kV 400A D/B GOS	Set	1	15637	15637	706	706
11	H-Frame for mounting GOS	No	1	2895	2895	191	191
12	DOLO Cut Out	Set/3 Nos	1	4494	4494	423	423
	Total Part B				23026		1320
13	Material Cost using 8 Mtrs RCC Pole (A+B)				39958		
	Labour Charges						
	a) Casual						5340
	b) Regular						1068
14	Material cost using 9 Mtrs RCC Pole (A+B)				43138		
	Labour Charges						
	a) Casual						5488
	b) Regular						1098
15	Total Cost of Estimate using 8 Mtrs RCC Pole				46366		6408
	Total Cost of Estimate using 9 Mtrs RCC Pole				49724		6586
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports						
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet						

COST DATA SHEET - 14

Running Single Circuit 11 kV, 3-phase Power Line on 9.0 Mtr Supports Using RABBIT ACSR Conductor With an Average Span of 40 Mtrs in Vertical Configuration in Congested Areas

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 9 Mtrs Long, 145 kg WL (for Deadend, Anchor points)	Nos	1	5941	5941	1060	1060
2	PSC Pole -9 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	23	3401	78223	1060	24380
3	DP Structure using 9 Mtrs RCC poles	Set	1	15910	15910	3252	3252
4	Special cross arm with cross arm for EG Stirrups, braces, clamps, bolts nuts and washers complete	Sets	23	1122	25806	316	7268
5	11kV ceramic Pin Insulators with GI Pins	Nos	69		6486	0	0
6	45kN Disc Insulators	Nos	6	290	1740	0	0
7	Guy Set Complete	Sets	9	742	6678	354	3186
8	Rabbit ACSR Conductor	Kms	3.045	33676	102543	2608	7941
9	Spiral Earth Electrode	Nos	26	207	5382	55	1430
10	EG Stirrups with GI wire lacing	Set of 2 No's	370	424	156880	99	36630
11	Concreting Materials for guy sets (Without Cement)	Nos	9	158	1422	0	0
12	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	26	64	1664	25	650
	Total				408675		85797
13	Labour charges						
	a) Casual				85797		
	b) Regular				17159		
	Total Cost/Km in Rs.				511632		
Note:	Item 4 includes, the following						
	a) Special cross arms 50x50x6 mm MS 0.715 mtr long 3-Nos						
	b) Support piece for fixing EG stirrup 50x50x6 mm MS Angle 0.865 mtr long - 1 No						
	c) Brace 50x50x6 mm MS Angle 0.850 mtr long - 1 No						
	d) 50x6 mm Flat 1.8 mtr, long - 1No						
	e) RCC Pole Clamps - 5 Nos						
	f) Cross Arm for fixing EG Stirrup - 1 No						
	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports						
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet						

COST DATA SHEET - 13

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

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 9 Mtrs Long, 145 kg WL (for Deadend, Anchor points)	Nos	6	5941	35646	1060	6360
2	PSC Pole -9 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	19	3401	64619	1060	20140
3	Fabricated Vertical Cross Arms with pole, clamps, bolts, nuts and washers	Sets	30	626	18780	287	8610
4	1.1kV Pin Insulators with GI Pins	Nos	100	38	3800	0	0
5	No.8 Strain Insulators	Nos	50	14	700	0	0
6	Guy Set Complete	Sets	12	723	8676	354	4248
7	Rabbit ACSR Conductor	Kms	4.06	33676	136725	2608	10588
8	Weasel ACSR Conductor	Kms	1.015	20100	20402	1913	1942
9	No.8 SWG GI wire for continuous earth wire	Kms	1.015 (103 kgs)	54.674	5631	1913	1942
10	8 SWG GI wire for guard loops	Kgs	26	54.674	1422	0	0
11	Spiral Earth Electrode	Nos	25	207	5175	55	1375
12	Concreting Materials for guy sets (Without Cement)	Nos	8	140	1120	0	0
13	SMC Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps meter & 50/5A CT including wiring	Nos	1	6500	6500	565	565
14	PVC Pipe 40 mm Dia	Mtrs	6	50	300	0	0
15	PVC Insulated wire 25 Sqmm Single Core Multi Stranded	Mtrs	25	32	800	0	0
16	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	25	64	1600	25	625
	Total				311895		56395
17	Labour charges						
	a) Casual				56395		
	b) Regular				11279		
	Total Cost/Km in Rs.					379568	
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports						
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet						

COST DATA SHEET - 12

**Running LT, Single Phase 3 Wire Power Line on 8.0 Mtr Supports with an Average Span of 40 Mtrs
Using WEASEL ACSR Conductor**

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 8 Mtrs Long, 115 kg WL (for Deadend, Anchor points)	Nos	5	4351	21755	848	4240
2	PCC Pole - 8 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	20	2495	49900	848	16960
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	5	263	1315	96	480
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PCC poles)	Sets	25	255	6375	96	2400
5	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for RCC poles)	Set	5	162	810	96	480
6	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for PCC poles)	Sets	20	154	3080	96	1920
7	1.1kV Pin Insulators with GI Pins	Nos	48	38	1824	0	0
8	No.8 Strain Insulators	Nos	21	14	294	0	0
9	Guy Set Complete	Sets	8	723	5784	354	2832
10	Weasel ACSR Conductor	Kms	3.045	20100	61205	1913	5825
11	Spiral Earth Electrode	Nos	25	207	5175	55	1375
12	Concreting Materials for guy sets (without cement)	Nos	8	158	1264	0	0
13	SMC Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps meter & 50/5A CT including wiring	Nos	1	6500	6500	565	565
14	PVC Pipe 40 mm Dia	Mtrs	6	50	300	0	0
15	PVC Insulated wire 25 Sqmm Single Core Multi Stranded	Mtrs	25	32	800	0	0
16	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	25	64	1600	25	625
	Total				167981		37702
17	Labour charges						
	a) Casual				37702		
	b) Regular				7540		
	Total Cost/Km in Rs.				213223		
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports						
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet						

COST DATA SHEET - 11

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 for Street Light with an Average Span of 50 mtrs

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost		
				Rate	Amt	Rate	Amt	
1	RCC Pole - 8 Mtrs Long, 115 kg WL (for Deadend, Anchor points.)	Nos	5	4351	21755	848	4240	
2	PCC Pole - 8 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	15	2495	37425	848	12720	
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	5	263	1315	96	480	
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PCC poles)	Sets	20	255	5100	96	1920	
5	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for RCC poles)	Set	5	162	810	96	480	
6	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for PCC poles)	Sets	20	154	3080	96	1920	
7	1.1kV Pin Insulators with GI Pins	Nos	95	38	3610	0	0	
8	No.8 Strain Insulators	Nos	50	14	700	0	0	
9	Guy Set Complete	Sets	8	723	5784	354	2832	
10	Rabbit ACSR Conductor	Kms	4.06	33636	136562	2608	10588	
11	Weasel ACSR Conductor	Kms	1.015	20100	20402	1913	1942	
12	Spiral Earth Electrode	Nos	20	207	4140	55	1100	
13	Concreting Materials for guy sets (Without Cement)	Nos	8	158	1264	0	0	
14	SMC Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps meter & 50/5A CT including wiring	Nos	1	6500	6500	565	565	
15	PVC Pipe 40 mm Dia	Mtrs	6	50	300	0	0	
16	PVC Insulated wire 25 Sqmm Single Core Multi Stranded	Mtrs	20	32	640	0	0	
17	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	25	64	1600	25	625	
	Total				250987		39412	
	Note: The no. of RCC poles and PCC poles have to be used as per field conditions and hence estimates have to be prepared accordingly.							
18	Labour charges							
	a) Casual				39412			
	b) Regular				7882			
	Total Cost/Km in Rs.					298281		
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports							
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet							

COST DATA SHEET - 10

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 (For Cities, Towns and Residential Layouts)

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 9 Mtrs Long, 145 kg WL (for Deadend, Anchor points)	Nos	6	5941	35646	1060	6360
2	PSC Pole - 9 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	19	3401	64619	1060	20140
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Sets	7	263	1841	96	672
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSC poles)	Sets	22	255	5610	96	2112
5	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for RCC poles)	Sets	7	162	1134	96	672
6	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for PSC poles)	Sets	18	154	2772	96	1728
7	1.1kV Pin Insulators with GI Pins	Nos	95	38	3610	0	0
8	No.8 Strain Insulators	Nos	50	14	700	0	0
9	Guy Set Complete	Sets	10	723	7230	354	3540
10	Rabbit ACSR Conductor	Kms	4.06	33636	136562	2608	10588
11	Weasel ACSR Conductor	Kms	1.015	20100	20402	1913	1942
12	Spiral Earth Electrode	Nos	25	207	5175	55	1375
13	Concreting Materials for guy sets (without Cement)	No's	8	158	1264	0	0
14	SMC Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps meter & 50/5A CT including wiring	No's	1	6500	6500	565	565
15	PVC Pipe 40 mm Dia	Mtrs	6	50	300	0	0
16	PVC Insulated wire 25 Sqmm Single Core Multi stranded	Mtrs	25	32	800	0	0
17	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	25	64	1600	25	625
	Total				295765		50319
18	Labour charges						
	a) Casual				50319		
	b) Regular				10064		
	Total Cost/Km in Rs.					356148	
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports						
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet						

COST DATA SHEET - 9

Running LT, 3-Phase 4 Wire Power Line on 9.0 Mtr Supports Using RABBIT ACSR Conductor with an Average Span of 40 Mtrs

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost		
				Rate	Amt	Rate	Amt	
1	RCC Pole - 9 Mtrs Long, 145 kg WL	Nos	1	5941	5941	1060	1060	
2	PSC Pole - 9 Mtrs Long, 200 kg WL	Nos	24	3401	81624	1060	25440	
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	263	263	96	96	
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSC poles)	Sets	24	255	6120	96	2304	
5	1.1kV Pin Insulators with GI Pins	Nos	96	38	3648	0	0	
6	No.8 Strain Insulators	Nos	8	14	112	0	0	
7	Guy Set Complete	Sets	8	723	5784	354	2832	
8	Rabbit ACSR Conductor	Kms	4.06	33636	136562	2608	10588	
9	Spiral Earth Electrode	Nos	25	207	5175	55	1375	
10	Concreting materials for guy sets without cement	Nos	8	158	1264	0	0	
11	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	25	64	1600	25	625	
	Total				248093		44320	
12	Labour charges							
	a) Casual				44320			
	b) Regular				8864			
	Total Cost/Km in Rs.					301278		
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports							
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet							

COST DATA SHEET - 8

Running LT , 3-Phase 4 Wire Power Line on 8.0 Mtr Supports Using RABBIT ACSR Conductor with an Average Span of 40 Mtrs

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 8 Mtrs Long, 145 kg WL	Nos	1	4351	4351	848	848
2	PCC Pole - 8 Mtrs Long, 200 kg WL	Nos	24	2495	59880	848	20352
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	263	263	96	96
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PCC poles)	Sets	24	255	6120	96	2304
5	1.1kV Pin Insulators with GI Pins	Nos	96	38	3648	0	0
6	No.8 Strain Insulators	Nos	8	14	112	0	0
7	Guy Set Complete	Sets	8	723	5784	354	2832
8	Rabbit ACSR Conductor	Kms	4.06	33636	136562	2608	10588
9	Spiral Earth Electrode	Nos	25	207	5175	55	1375
10	Concreting materials for guy sets without cement	Nos	8	158	1264	0	0
11	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	25	64	1600	25	625
	Total				224759		39020
12	Labour charges						
	a) Casual				39020		
	b) Regular				7804		
	Total Cost/Km in Rs.				271584		
Note: 1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports							
2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet							

COST DATA SHEET - 7

Running LT, 3-Phase 4 Wire Power Line on 8.0 Mtr Supports Using WEASEL ACSR Conductor with an Average Span of 60 Mtrs (IP Installations)

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 8 Mtrs Long, 145 kg WL	Nos	1	4351	4351	848	848
2	PCC Pole - 8 Mtrs Long, 200 kg WL	Nos	17	2495	42415	848	14416
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	263	263	96	96
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PCC poles)	Sets	17	255	4335	96	1632
5	1.1 kV Pin Insulators with GI Pins	Nos	64	38	2432	0	0
6	No.8 Strain Insulators	Nos	8	14	112	0	0
7	Guy Set Complete	Sets	8	723	5784	354	2832
8	Weasel ACSR Conductor	Kms	4.06	20100	81606	1913	7767
9	Spiral Earth Electrode	Nos	18	207	3726	55	990
10	Concreting materials for guy sets without cement	Nos	8	158	1264	0	0
11	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	18	64	1152	25	450
	Total				147440		29031
12	Labour charges						
	a) Casual				29031		
	b) Regular				5806		
	Total Cost/Km in Rs.					182277	
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports						
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet						

COST DATA SHEET - 6

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

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 9 Mtrs Long, 145 kg WL	Nos	1	5941	5941	1060	1060
2	PSC Pole - 9 Mtrs Long, 200 kg WL	No's	23	3401	78223	1060	24380
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for RCC poles)	Set	1	382	382	99	99
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSC poles)	Sets	23	377	8671	99	2277
5	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	263	263	96	96
6	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers(for PSC poles)	Sets	24	258	6192	96	2304
7	DP Structure with 9 mtr RCC Poles	Set	1	15910	15910	3252	3252
8	11kV Pin Insulators with GI pins	Nos	72	94	6768	0	0
9	1.1kV Pin Insulators with GI Pins	Nos	96	38	3648	0	0
10	45kN Disc Insulators	Nos	6	290	1740	0	0
11	No.8 Strain Insulators	Nos	8	14	112	0	0
12	Guy Set Complete	Sets	8	742	5936	354	2832
13	Rabbit ACSR Conductor	Kms	7.105	33676	239268	2608	18530
14	PG Clamps for Rabbit conductor	Nos	6	76	456	0	0
15	Spiral Earth Electrode	Nos	26	207	5382	55	1430
16	Guarding between HT & LT Lines						
	a) Guarding Materials	Span	25	2720	68000	603	15075
	b) 4 Pin cross arms with clamps,bolts, nuts and washers.	Sets	25	263	6575	0	0
17	Concreting materials for guy sets without cement	Nos	8	158	1264	0	0
18	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	8	120	960	48	384
19	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	26	64	1664	25	650
	Total				457355		72369
20	Labour charges						
	a) Casual				72369		
	b) Regular				14474		
	Total Cost/Km in Rs.				544198		
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports						
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet						

COST DATA SHEET - 5

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

SI No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 9 Mtrs Long, 145 kg WL	Nos	1	5941	5941	1060	1060
2	PSC Pole - 9 Mtrs Long, 200 kg WL	Nos	18	3401	61218	1060	19080
3	11kV Horizontal cross arms with clamps, HTST Supports, bolts, nuts and washers (for RCC poles)	Set	1	382	382	99	99
4	11kV Horizontal cross arms with clamps, HTST Supports, bolts, nuts and washers (for PSC poles)	Sets	18	377	6786	99	1782
5	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	263	263	96	96
6	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSC poles)	Sets	19	258	4902	96	1824
7	DP Structure with 9 mtr RCC Poles	Set	1	15910	15910	3252	3252
8	11kV Pin Insulators with GI pins	Nos	57	94	5358	0	0
9	1.1kV Pin Insulators with GI Pins	Nos	76	38	2888	0	0
10	45kN Disc Insulators	Nos	6	290	1740	0	0
11	No.8 Strain Insulators	Nos	8	14	112	0	0
12	Guy Set Complete	Sets	8	742	5936	354	2832
13	Rabbit ACSR for HT Lines	Kms	3.045	33676	102543	2608	7941
14	Weasel ACSR for LT lines	Kms	4.06	20100	81606	1913	7767
15	Spiral Earth Electrode	Nos	21	207	4347	55	1155
16	Guarding between HT & LT Lines						
	a) Guarding Materials	Span	20	2720	54400	603	12060
	b) 4 Pin cross arms with clamps,bolts, nuts and washers.	Sets	20	263	5260	0	0
17	PG Clamps for Rabbit conductor	Nos	6	158	948	0	0
18	Concreting Materials for guy sets	Nos	8	120	960	0	0
19	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	7	120	840	48	336
20	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	21	64	1344	25	525
	Total				363684		59809
21	Labour charges						
	a) casual				59809		
	b) Regular *				11962		
	Total Cost/Km in Rs				435455		
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports						
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet						

COST DATA SHEET - 4

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

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost		
				Rate	Amt	Rate	Amt	
1	RCC Pole - 9 Mtrs Long, 145 kg WL	Nos	1	5941	5941	1060	1060	
2	PSC Pole - 9 Mtrs Long, 200 kg WL	Nos	22	3401	74822	1060	23320	
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for RCC poles)	Set	1	382	382	99	99	
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSC poles)	Sets	22	377	8294	99	2178	
5	DP Structure with 9 Mtrs RCC Poles	Sets	2	15910	31820	3252	6504	
6	11kV Pin Insulators with GI pins	Nos	69	94	6486	0	0	
7	70/90 kN Disc Insulators	Nos	12	490	5880	0	0	
8	Strain Clamp 3 bolt type for Disc Insulator	Nos	12	468	5616	0	0	
9	Guy Set Complete	Sets	6	742	4452	354	2124	
10	Coyote ACSR Conductor	Kms	3.045	92708	282296	4555	13870	
11	PG Clamps for Coyote Conductor	Nos	12	267	3204	0	0	
12	Spiral Earth Electrode	Nos	27	207	5589	55	1485	
13	EG Stirrups with GI wire lacing	Set of 2 Nos	23	370	8510	99	2277	
14	Concreting materials for guy sets without cement	Nos	6	158	948	0	0	
15	Caution/Danger Board as per Drawing No. BESCO/M/GM/CP/40/Dt: 24.10.07	Nos	10	120	1200	48	480	
16	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	27	64	1728	25	675	
	Total				447168		54072	
17	Labour charges							
	a) Casual				54072			
	b) Regular				10814			
	Total Cost/Km in Rs.					512054		
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports							
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet							

COST DATA SHEET - 3

Running Single Circuit 11 kV , 3-Phase Power Line on 8.0 Mtr Supports with an Average Span of 50 Mtrs Using RABBIT ACSR Conductor

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 8.0M Long, 145 kg WL	Nos	1	4351	4351	848	848
2	PCC Pole - 8.0M Long, 200 kg WL	Nos	18	2495	44910	848	15264
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for RCC poles)	Set	1	382	382	99	99
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PCC poles)	Sets	18	377	6786	99	1782
5	DP Structure with 8 Mtrs RCC Poles	Set	1	12730	12730	3104	3104
6	11kV Pin Insulators with GI pins	Nos	57	94	5358	0	0
7	45kN Disc Insulators	Nos	6	290	1740	0	0
8	Guy Set Complete	Sets	6	742	4452	354	2124
9	Rabbit ACSR Conductor	Kms	3.045	33676	102543	2608	7941
10	PG Clamps for Rabbit Conductor	Nos	6	76	456	0	0
11	Spiral Earth Electrode	Nos	21	207	4347	55	1155
12	EG Stirrups with GI wire lacing	Set of 2 Nos	19	370	7030	99	1881
13	Concreting materials for guy sets without cement	Nos	6	158	948	0	0
14	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	8	120	960	48	384
15	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	21	64	1344	25	525
	Total				198337		35107
16	Labour charges						
	a) Casual				35107		
	b) Regular				7021		
	Total Cost/Km in Rs.				240466		
Note: 1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports							
2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet							

COST DATA SHEET - 2

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

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 9 Mtrs Long, 145 kg WL	Nos	1	5941	5941	1060	1060
2	PSC Pole - 9 Mtrs Long, 200 kg WL	Nos	18	3401	61218	1060	19080
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for RCC poles)	Set	1	382	382	99	99
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSC poles)	Set	18	377	6786	99	1782
5	DP Structure with 9 Mtrs RCC Poles	Set	1	15910	15910	3252	3252
6	11kV Pin Insulators with GI pins	Nos	57	94	5358	0	0
7	45kN Disc Insulators	Nos	6	290	1740	0	0
8	Guy Set Complete	Sets	6	742	4452	354	2124
9	Rabbit ACSR Conductor	Kms	3.045	33676	102543	2608	7941
10	PG Clamps for Rabbit conductor	Nos	6	76	456	0	0
11	Spiral Earth Electrode	Nos	21	207	4347	55	1155
12	EG Stirrups with GI wire lacing	Set of 2 Nos	19	370	7030	99	1881
13	Concreting materials for guy sets without cement	Nos	6	158	948	0	0
14	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	8	120	960	48	384
15	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kg	21	64	1344	25	525
	Total				219415		39283
16	Labour charges						
	a) Casual				39283		
	b) Regular				7857		
	Total Cost/Km in Rs.					266555	
Note: 1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports							
2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet							

COST DATA SHEET - 1

Running Single Circuit 11kV, 3 Phase Power Line On 9.0 Mtr Supports With An Average Span Of 40 Mtrs Using Rabbit ACSR Conductor

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	RCC Pole - 9 Mtrs Long, 145 kg WL	Nos	1	5941	5941	1060	1060
2	PSC Pole - 9 Mtrs Long, 200 kg WL	Nos	23	3401	78223	1060	24380
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers for RCC poles	Set	1	382	382	99	99
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers for PSC poles	Set	23	377	8671	99	2277
5	DP Structure with 9 Mtrs RCC Poles	Set	1	15910	15910	3252	3252
6	11 kV Pin Insulators with GI pins	Nos	72	94	6768	0	0
7	45 kN Disc Insulators	Nos	6	290	1740	0	0
8	Guy Set Complete	Sets	6	742	4452	354	2124
9	Rabbit ACSR Conductor	Kms	3.045	33676	102543	2608	7941
10	PG Clamps for Rabbit Conductor	Nos	6	76	456	0	0
11	Spiral Earth Electrode	Nos	26	207	5382	55	1430
12	EG Stirrups with GI wire lacing	Set of 2 Nos	24	370	8880	99	2376
13	Concreting materials for guy sets without cement	Nos	6	158	948	0	0
14	Caution/Danger Board as per Drawing No. BESCO/M/GM/CP/40/Dt: 24.10.07	Nos	8	120	960	48	384
15	Anti Climbing Device (10mtrs/1 Kg GI Barbed Wire) Lumpsum	Nos	26	64	1664	25	650
	Total				242920		45973
16	Labour charges						
	a) Casual				45973		
	b) Regular				9195		
	Total Cost/Km in Rs.					298088	
Note:	1) RCC Poles shall be used for dead ends, DP structure and PSC poles for intermediate supports						
	2) Other charges such as service tax, ESI, PF and other applicable charges shall be loaded as per typical cost data sheet						