

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	1632500	1632500
2	11kV Class 3x400 Sqmm XLPE UG Cable (Round Armoured)	Km	1	2015220	2015220
2	Straight Through Jointing Kits HS Type suitable for 3x400 Sqmm Cable	Nos	3	8050	24150
3	Cable Termination Kit Outdoor/Indoor HS Type Suitable for 3x400 Sqmm Cable	Per Kit	2	3940	7880
4	Cable Covering Tiles 250x125x40 mm or 125x125x40 mm	Nos	4000 / 8000	10/5	40000
5	Sand	Cmt	60	2000	120000
6	RCC Hume Pipe, 2000mm Long, 150mm Dia	Nos	30	300	9000
7	Collars for RCC Hume Pipe	Nos	30	80	2400
8	GI Pipe, 150 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)				1847482
	Total (Round Armoured)				2230202
10	Labour charges				
	a) Cable trench excavation, 1000x0.6x1=600, Ordinary soil	Cmt	600	181	108600
	b) Laying of cable in trench	Km	1	35198	35198
	c) Refilling and consolidation	Cmt	550	40	22000
	d) Making of straight through joints	Nos	3	1500	4500
	e) Making of cable terminations	Nos	2	1375	2750
	f) Covering the cable with tiles	Km	1	2304	2304
	g) Spreading Sand and forming with Sand round the cable	Km	1	8094	8094
	h) Laying of RCC Hume pipes	Mtrs	60	35	2100
	i) Laying of GI Pipe	Mtrs	8	40	320
	j) Laying of Route and Joint indicating stones	Nos	20	60	1200
	Total Labour Charges				
	a) Casual				187066
	b) Regular				37413
	Total Cost/Km in Rs. (Flat Armoured)				2071961
	Total Cost/Km in Rs. (Round Armoured)				2454681
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	1632500	1632500
2	11kV Class 3x400 Sqmm XLPE UG Cable (Round Armoured)	Km	1	2015220	2015220
2	Straight Through Jointing Kits HS Type suitable for 400 Sqmm Cable	Nos	3	8050	24150
3	Cable Termination Kit Outdoor/Indoor HS Type Suitable for 400 Sqmm Cable	Per Kit	2	3940	7880
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)				1675942
	Total (Round Armoured)				2058662
10	Labour charges				
	a) Laying of cable in trench in wherever necessary	Mtrs	50	35198	1760
	b) Labour chargers for horizontal drilling with 6 inches bore size				
	i) Without HDPE Pipe	Rmtr	50	625	31250
	ii) With HDPE pipe	Rmtr	900	913	821700
	c) Making of straight through joints	Nos	3	1500	4500
	d) Making of cable terminations	Nos	2	1375	2750
	e) Laying of RCC Hume pipes	Nos	3	35	105
	f) Laying of GI Pipe	Mtr	8	40	320
	gj) Laying of Route and Joint indicating stones	Nos	10	60	600
	Total Labour Charges				862985
	a) Casual				862985
	b) Regular				172597
	Total Cost/Km in Rs. (Flat Armoured)				2711524
	Total Cost/Km in Rs. (Round Armoured)				3094244
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/Indoor HS Type Suitable for 3x240 Sqmm Cable	Per Kit	2	3910	7820
4	Cable covering tiles 250x125x40 mm or 125x125x40 mm	Nos	4000/ 8000	10/5	40000
5	Sand	Cmt	60	2000	120000
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	1143	9144
9	Route and Joint Indicating Stones	Nos	20	120	2400
	Total (Flat Armoured)				1249319
	Total (Round Armoured)				1490379
10	Labour charges				
	a) Cable trench excavation, 1000x0.6x1=600, Ordinary soil	Cmt	600	181	108600
	b) Laying of cable in trench	Km	1	33439	33439
	c) Refilling and consolidation	Cmt	550	40	22000
	d) Making of straight through joints	Nos	3	1500	4500
	e) Making of cable terminations	Nos	2	1375	2750
	f) Covering the cable with tiles	Km	1	2304	2304
	g) Spreading Sand and forming with Sand round the cable	Km	1	8094	8094
	h) Laying of RCC Hume pipes	Mtr	60	35	2100
	i) Laying of GI Pipe	Mtr	8	40	320
	j) Laying of Route and Joint indicating stones	Nos	20	60	1200
	Total Labour Charges				
	a) Casual				185307
	b) Regular				37061
	Total Cost/Km in Rs. (Flat Armoured)				1471687
	Total Cost/Km in Rs. (Round Armoured)				1712747
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	2	3910	7820
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	1143	9144
8	Route and Joint Indicating Stones	Nos	10	120	1200
	Total (Flat Armoured)				1077779
	Total (Round Armoured)				1318839
9	Labour charges				
	a) Laying of cable in trench in wherever necessary	Mtrs	50	33439	1672
	b) Labour chargers for horizontal drilling with 6 inches bore size				
	i) Without HDPE Pipe	Rmtr	50	625	31250
	ii) With HDPE pipe	Rmtr	900	913	821700
	c) Making of straight through joints	Nos	3	1500	4500
	d) Making of cable terminations	Nos	2	1375	2750
	e) Laying of RCC Hume pipes	Nos	3	35	105
	f) Laying of GI Pipe	Mtrs	8	40	320
	g) Laying of Route and Joint indicating stones	Nos	10	60	600
	Total Labour Charges				862897
	a) Casual				862897
	b) Regular				172579
	Total Cost/Km in Rs. (Flat Armoured)				2113255
	Total Cost/Km in Rs. (Round Armoured)				2354315
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/Indoor HS Type suitable for 95 Sqmm Cable	Per Kit	2	2990	5980
5	Cable covering tiles 250x125x40 mm or 125x125x40 mm	Nos	4000/ 8000	10/5	40000
6	Sand	Cmt	60	2000	120000
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	1143	9144
10	Route and Joint Indicating Stones	Nos	20	120	2400
	Total (Flat Armoured)				753909
	Total (Round Armoured)				880159
11	Labour charges				
	a) Cable trench excavation, 1000x0.6x1=600, Ordinary soil	Cmt	600	181	108600
	b) Laying of cable in trench	km	1	31679	31679
	c) Refilling and consolidation	Cmt	550	40	22000
	d) Making of straight through joints	No	3	1500	4500
	e) Making of cable terminations	No	2	1375	2750
	f) Covering the cable with tiles	km	1	2304	2304
	g) Spreading Sand and forming with Sand round the cable	km	1	8094	8094
	h) Laying of RCC Hume pipes	mtr	60	35	2100
	i) Laying of GI Pipe	mtr	8	40	320
	j) Laying of Route and Joint indicating stones	No	20	60	1200
	Total Labour Charges				183547
	a) Casual				183547
	b) Regular				36709
	Total Cost/Km in Rs. (Flat Armoured)				974165
	Total Cost/Km in Rs. (Round Armoured)				1100415
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/Indoor HS Type suitable for 95 Sqmm Cable	Per Kit	2	2990	5980
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	1143	9144
8	Route and Joint Indicating Stones	Nos	10	120	1200
	Total (Flat Armoured)				582369
	Total (Round Armoured)				708619
9	Labour charges				
	a) Laying of cable in trench in wherever necessary	Mtrs	50	31679	1584
	b) Labour chargers for horizontal drilling with 6 inches bore size				
	i) Without HDPE Pipe	Rmtr	50	625	31250
	ii) With HDPE pipe	Rmtr	900	913	821700
	c) Making of straight through joints	Nos	3	1500	4500
	d) Making of cable terminations	Nos	2	1375	2750
	e) Laying of RCC Hume pipes	Nos	3	35	105
	f) Laying of GI Pipe	Mtrs	8	40	320
	g) Laying of Route and Joint indicating stones	Nos	10	60	600
	Total Labour Charges				862809
	a) Casual				862809
	b) Regular				172562
	Total Cost/Km in Rs. (Flat Armoured)				1617740
	Total Cost/Km in Rs. (Round Armoured)				1743990
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	Particulars	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	Set	1	28892	28892	5548	5548
2	Spiral Earth Electrode	Nos	3	238	714	49	147
3	Guy Set Complete	Sets	3	855	2565	314	942
4	45kN Disc Insulators	Nos	6	300	1800	0	0
5	11kV Pin Insulators with GI Pins	Nos	3	103	309	0	0
6	Concrete for Guy set (without cement)	Nos	3	140	420	0	0
7	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	2	120	240	43	86
8	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	3	73	219	20	60
9	Labour Charges						
	a) Casual						6783
	b) Regular						1357
	Total Cost/Unit in Rs.				43299		
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 145 kg WL	Set	1	16671	16671	2877	2877
2	RCC DP Structure using 8 Mtrs RCC Pole with 115 kg WL	Set	1	13437	13437	2747	2747
3	45kN Disc Insulators	Nos	6	300	1800	0	0
4	Guy Set Complete	Sets	2	855	1710	314	628
5	Spiral Earth Electrode	Nos	2	238	476	49	98
6	Concrete for Guy Set (without Cement)	Nos	2	140	280	0	0
7	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	No	1	120	120	43	43
8	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	2	73	146	20	40
	Total Part A						
	Using 8 Mtrs RCC Pole				17969		3556
	Using 9 Mtrs RCC Pole				21203		3686
	Part-B: SWITCH GEAR						
10	11kV 400A D/B GOS	Set	1	16467	16467	625	625
11	H-Frame for mounting GOS	No	1	3330	3330	169	169
12	DOLO Cut Out	Set/3 Nos	1	4288	4288	375	375
	Total Part B				24085		1169
13	Material Cost using 8 Mtrs RCC Pole (A+B)				42054		
	Labour Charges						
	a) Casual						4725
	b) Regular						945
14	Material cost using 9 Mtrs RCC Pole (A+B)				45288		
	Labour Charges						
	a) Casual						4855
	b) Regular						971
15	Total Cost of Estimate using 8 Mtrs RCC Pole				47724		5670
	Total Cost of Estimate using 9 Mtrs RCC Pole				51114		5826
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	931	931
2	PSC Pole -9 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	23	3278	75394	931	21413
3	DP Structure using 9 Mtrs RCC poles	Set	1	16671	16671	2877	2877
4	Special cross arm with cross arm for EG Stirrups, braces, clamps, bolts nuts and washers complete	Sets	23	1290	29670	280	6440
5	11kV Pin Insulators with GI Pins	Nos	69	103	7107	0	0
6	45kN Disc Insulators	Nos	6	300	1800	0	0
7	Guy Set Complete	Sets	9	855	7695	314	2826
8	Rabbit ACSR Conductor	Kms	3.045	36810	112086	2308	7028
9	Spiral Earth Electrode	Nos	26	238	6188	49	1274
10	EG Stirrups with GI wire lacing	Set of 2 No's	25	424	10600	88	2200
11	Concreting Materials for guy sets (Without Cement)	Nos	9	140	1260	0	0
12	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	26	73	1898	20	520
	Total				276310		45509
13	Labour charges						
	a) Casual				45509		
	b) Regular				9102		
	Total Cost/Km in Rs.				330921		
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	931	5586
2	PSC Pole -9 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	19	3278	62282	931	17689
3	Fabricated Vertical Cross Arms with pole, clamps, bolts, nuts and washers	Sets	30	720	21600	254	7612.5
4	1.1kV Pin Insulators with GI Pins	Nos	100	41	4100	0	0
5	No.8 Strain Insulators	Nos	50	14	700	0	0
6	Guy Set Complete	Sets	12	835	10020	251	3012
7	Rabbit ACSR Conductor	Kms	4.06	36810	149449	2308	9370
8	Weasel ACSR Conductor	Kms	1.015	21900	22229	1693	1718
9	No.8 SWG GI wire for continuous earth wire	Kms	1.015 (103 kgs)	62.8	6417	1693	1718
10	8 SWG GI wire for guard loops	Kgs	26	62.8	1633	0	0
11	Spiral Earth Electrode	Nos	25	238	5950	49	1225
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	500	500
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	73	1825	20	500
	Total				330570		48932
17	Labour charges						
	a) Casual				48932		
	b) Regular				9786		
	Total Cost/Km in Rs.					389288	
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	4324	21620	751	3755
2	PCC Pole - 8 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	15	2297	34455	751	11265
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	318	318	85	85
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PCC poles)	Sets	24	308	7392	85	2040
5	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for RCC poles)	Set	1	200	200	85	85
6	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for PCC poles)	Sets	19	190	3610	85	1615
7	1.1kV Pin Insulators with GI Pins	Nos	48	41	1968	0	0
8	No.8 Strain Insulators	Nos	21	14	294	0	0
9	Guy Set Complete	Sets	8	835	6680	314	2512
10	Weasel ACSR Conductor	Kms	3.045	21900	66686	1693	5155
11	Spiral Earth Electrode	Nos	20	238	4760	49	980
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	500	500
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	20	73	1460	20	400
	Total				158163		28392
17	Labour charges						
	a) Casual				28392		
	b) Regular				5678		
	Total Cost/Km in Rs.				192233		
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	4324	21620	751	3755	
2	PCC Pole - 8 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	15	2297	34455	751	11265	
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	318	318	85	85	
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PCC poles)	Sets	24	308	7392	85	2040	
5	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for RCC poles)	Set	1	200	200	85	85	
6	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for PCC poles)	Sets	24	190	4560	85	2040	
7	1.1kV Pin Insulators with GI Pins	Nos	95	41	3895	0	0	
8	No.8 Strain Insulators	Nos	50	14	700	0	0	
9	Guy Set Complete	Sets	8	835	6680	314	2512	
10	Rabbit ACSR Conductor	Kms	4.06	36810	149449	2308	9370	
11	Weasel ACSR Conductor	Kms	1.015	21900	22229	1693	1718	
12	Spiral Earth Electrode	Nos	20	238	4760	49	980	
13	Concreting Materials for guy sets (Without Cement)	Nos	8	140	1120	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	500	500	
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	20	73	1460	20	400	
	Total				266437		34751	
	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				34751			
	b) Regular				6950			
	Total Cost/Km in Rs.					308138		
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	931	5586	
2	PSC Pole - 9 Mtrs Long, 200 kg WL (for Intermediate Poles)	Nos	19	3278	62282	931	17689	
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Sets	7	449	3143	88	616	
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSC poles)	Sets	22	318	6996	88	1936	
5	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for RCC poles)	Sets	7	200	1400	85	595	
6	LT 2 Pin cross arms, with pole clamps, bolts, nuts (for PSC poles)	Sets	18	194	3492	85	1530	
7	1.1kV Pin Insulators with GI Pins	Nos	95	41	3895	0	0	
8	No.8 Strain Insulators	Nos	50	14	700	0	0	
9	Guy Set Complete	Sets	10	835	8350	314	3140	
10	Rabbit ACSR Conductor	Kms	4.06	36810	149449	2308	9370	
11	Weasel ACSR Conductor	Kms	1.015	21900	22229	1693	1718	
12	Spiral Earth Electrode	Nos	25	238	5950	49	1225	
13	Concreting Materials for guy sets (without Cement)	No's	8	140	1120	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	500	500	
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	73	1825	20	500	
	Total				314076		44406	
18	Labour charges							
	a) Casual				44406			
	b) Regular				8881			
	Total Cost/Km in Rs.					367363		
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	937	937
2	PSC Pole - 9 Mtrs Long, 200 kg WL	Nos	24	3278	78672	937	22488
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	449	449	88	88
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSC poles)	Sets	24	318	7632	88	2112
5	1.1kV Pin Insulators with GI Pins	Nos	96	41	3936	0	0
6	No.8 Strain Insulators	Nos	8	14	112	0	0
7	Guy Set Complete	Sets	8	835	6680	314	2512
8	Rabbit ACSR Conductor	Kms	4.06	36810	149449	2308	9370
9	Spiral Earth Electrode	Nos	25	238	5950	49	1225
10	Concreting materials for guy sets without cement	Nos	8	140	1120	0	0
11	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	25	73	1825	20	500
	Total				261766		39232
12	Labour charges						
	a) Casual				39232		
	b) Regular				7846		
	Total Cost/Km in Rs.				308845		
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	4324	4324	751	751	
2	PCC Pole - 8 Mtrs Long, 200 kg WL	Nos	24	2297	55128	751	18024	
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	318	318	85	85	
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PCC poles)	Sets	24	308	7392	85	2040	
5	1.1kV Pin Insulators with GI Pins	Nos	96	41	3936	0	0	
6	No.8 Strain Insulators	Nos	8	14	112	0	0	
7	Guy Set Complete	Sets	8	835	6680	314	2512	
8	Rabbit ACSR Conductor	Kms	4.06	36810	149449	2308	9370	
9	Spiral Earth Electrode	Nos	25	238	5950	49	1225	
10	Concreting materials for guy sets without cement	Nos	8	140	1120	0	0	
11	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	25	73	1825	20	500	
	Total				236234		34507	
12	Labour charges							
	a) Casual				34507			
	b) Regular				6901			
	Total Cost/Km in Rs.					277643		
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	4324	4324	751	751
2	PCC Pole - 8 Mtrs Long, 200 kg WL	Nos	17	2297	39049	751	12767
3	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	318	318	85	85
4	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PCC poles)	Sets	17	308	5236	85	1445
5	1.1 kV Pin Insulators with GI Pins	Nos	64	41	2624	0	0
6	No.8 Strain Insulators	Nos	8	14	112	0	0
7	Guy Set Complete	Sets	8	835	6680	314	2512
8	Weasel ACSR Conductor	Kms	4.06	21900	88914	1693	6874
9	Spiral Earth Electrode	Nos	18	238	4284	49	882
10	Concreting materials for guy sets without cement	Nos	8	140	1120	0	0
11	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	18	73	1314	20	360
	Total				153975		25676
12	Labour charges						
	a) Casual				25676		
	b) Regular				5135		
	Total Cost/Km in Rs.					184786	
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	937	937
2	PSC Pole - 9 Mtrs Long, 200 kg WL	No's	23	3278	75394	937	21551
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for RCC poles)	Set	1	449	449	88	88
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSC poles)	Sets	23	443	10189	88	2024
5	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	318	318	85	85
6	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSC poles)	Sets	24	312	7488	85	2040
7	DP Structure with 9 mtr RCC Poles	Set	1	16671	16671	2877	2877
8	11kV Pin Insulators with GI pins	Nos	72	95	6840	0	0
9	1.1kV Pin Insulators with GI Pins	Nos	96	41	3936	0	0
10	45kN Disc Insulators	Nos	6	300	1800	0	0
11	No.8 Strain Insulators	Nos	8	14	112	0	0
12	Guy Set Complete	Sets	8	855	6840	314	2512
13	Rabbit ACSR Conductor	Kms	7.105	36810	261535	2308	16398
14	PG Clamps for Rabbit conductor	Nos	6	89	534	0	0
15	Spiral Earth Electrode	Nos	26	238	6188	49	1274
16	Guarding between HT & LT Lines						
	a) Guarding Materials	Span	25	2520	63000	533	13325
	b) 4 Pin cross arms with clamps, bolts, nuts and washers.	Sets	25	318	7950	0	0
17	Concreting materials for guy sets without cement	Nos	8	140	1120	0	0
18	Caution/Danger Board as per Drawing No. BESCOM/GM/CP/40/Dt: 24.10.07	Nos	8	120	960	43	344
19	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	26	73	1898	20	520
	Total				479163		63975
20	Labour charges						
	a) Casual				63975		
	b) Regular				12795		
	Total Cost/Km in Rs.					555933	
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

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	937	937
2	PSC Pole - 9 Mtrs Long, 200 kg WL	Nos	18	3278	59004	937	16866
3	11kV Horizontal cross arms with clamps, HTST Supports, bolts, nuts and washers (for RCC poles)	Set	1	449	449	88	88
4	11kV Horizontal cross arms with clamps, HTST Supports, bolts, nuts and washers (for PSC poles)	Sets	18	443	7974	88	1584
5	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for RCC poles)	Set	1	318	318	85	85
6	LT 4 Pin cross arms, with pole clamps, bolts, nuts and washers (for PSC poles)	Sets	19	312	5928	85	1615
7	DP Structure with 9 mtr RCC Poles	Set	1	16671	16671	2877	2877
8	11kV Pin Insulators with GI pins	Nos	57	95	5415	0	0
9	1.1kV Pin Insulators with GI Pins	Nos	76	41	3116	0	0
10	45kN Disc Insulators	Nos	6	300	1800	0	0
11	No.8 Strain Insulators	Nos	8	14	112	0	0
12	Guy Set Complete	Sets	8	855	6840	314	2512
13	Rabbit ACSR for HT Lines	Kms	3.045	36810	112086	2308	7028
14	Weasel ACSR for LT lines	Kms	4.06	21900	88914	1693	6874
15	Spiral Earth Electrode	Nos	21	238	4998	49	1029
16	Guarding between HT & LT Lines						
	a) Guarding Materials	Span	20	3150	63000	938	18760
	b) 4 Pin cross arms with clamps,bolts, nuts and washers.	Sets	20	318	6360	0	0
17	PG Clamps for Rabbit conductor	Nos	6	89	534	0	0
18	Concreting Materials for guy sets	Nos	8	140	1120	0	0
19	Caution/Danger Board as per Drawing No. BESSCOM/GM/CP/40/Dt: 24.10.07	Nos	7	120	840	43	301
20	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	21	73	1533	20	420
	Total				392953		60975
21	Labour charges						
	a) casual				60975		
	b) Regular *				12195		
	Total Cost/Km in Rs				466124		
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	937	937	
2	PSC Pole - 9 Mtrs Long, 200 kg WL	Nos	22	3278	72116	937	20614	
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for RCC poles)	Set	1	449	449	88	88	
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSC poles)	Sets	22	443	9746	88	1936	
5	DP Structure with 9 Mtrs RCC Poles	Sets	2	16671	33342	2877	5754	
6	11kV Pin Insulators with GI pins	Nos	69	103	7107	0	0	
7	70/90 kN Disc Insulators	Nos	12	506	6072	0	0	
8	Strain Clamp 3 bolt type for Disc Insulator	Nos	12	546	6552	0	0	
9	Guy Set Complete	Sets	6	855	5130	314	1884	
10	Coyote ACSR Conductor	Kms	3.045	93860	285804	4031	12274	
11	PG Clamps for Coyote Conductor	Nos	12	276	3312	0	0	
12	Spiral Earth Electrode	Nos	27	238	6426	49	1323	
13	EG Stirrups with GI wire lacing	Set of 2 Nos	23	424	9752	88	2024	
14	Concreting materials for guy sets without cement	Nos	6	140	840	0	0	
15	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	10	120	1200	43	430	
16	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	27	73	1971	20	540	
	Total				455760		47804	
17	Labour charges							
	a) Casual				47804			
	b) Regular				9561			
	Total Cost/Km in Rs.					513125		
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	4324	4324	751	751	
2	PCC Pole - 8.0M Long, 200 kg WL	Nos	18	2297	41346	751	13518	
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for RCC poles)	Set	1	449	449	88	88	
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PCC poles)	Sets	18	439	7902	88	1584	
5	DP Structure with 8 Mtrs RCC Poles	Set	1	13437	13437	2747	2747	
6	11kV Pin Insulators with GI pins	Nos	57	103	5871	0	0	
7	45kN Disc Insulators	Nos	6	300	1800	0	0	
8	Guy Set Complete	Sets	6	855	5130	314	1884	
9	Rabbit ACSR Conductor	Kms	3.045	36810	112086	2308	7028	
10	PG Clamps for Rabbit Conductor	Nos	6	89	534	0	0	
11	Spiral Earth Electrode	Nos	21	238	4998	49	1029	
12	EG Stirrups with GI wire lacing	Set of 2 Nos	19	424	8056	88	1672	
13	Concreting materials for guy sets without cement	Nos	6	140	840	0	0	
14	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	8	120	960	43	344	
15	Anti Climbing Device (12mtrs/ 1Kg GI Barbed Wire) Lumpsum	Kgs	21	73	1533	20	420	
	Total				209266		31065	
16	Labour charges							
	a) Casual				31065			
	b) Regular				6213			
	Total Cost/Km in Rs.					246544		
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	937	937
2	PSC Pole - 9 Mtrs Long, 200 kg WL	Nos	18	3278	59004	937	16866
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for RCC poles)	Set	1	449	449	88	88
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers (for PSC poles)	Set	18	443	7974	88	1584
5	DP Structure with 9 Mtrs RCC Poles	Set	1	16671	16671	2877	2877
6	11kV Pin Insulators with GI pins	Nos	57	103	5871	0	0
7	45kN Disc Insulators	Nos	6	300	1800	0	0
8	Guy Set Complete	Sets	6	855	5130	314	1884
9	Rabbit ACSR Conductor	Kms	3.045	36810	112086	2308	7028
10	PG Clamps for Rabbit conductor	Nos	6	89	534	0	0
11	Spiral Earth Electrode	Nos	21	238	4998	49	1029
12	EG Stirrups with GI wire lacing	Set of 2 Nos	19	424	8056	88	1672
13	Concreting materials for guy sets without cement	Nos	6	140	840	0	0
14	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	8	120	960	43	344
15	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kg	21	73	1533	20	420
	Total				231847		34729
16	Labour charges						
	a) Casual				34729		
	b) Regular				6946		
	Total Cost/Km in Rs.					273522	
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	937	937	
2	PSC Pole - 9 Mtrs Long, 200 kg WL	Nos	23	3278	75394	937	21551	
3	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers for RCC poles	Set	1	449	449	88	88	
4	Horizontal cross arms with clamps, HTST supports, bolts, nuts and washers for PSC poles	Set	23	443	10189	88	2024	
5	DP Structure with 9 Mtrs RCC Poles	Set	1	16671	16671	2877	2877	
6	11 kV Pin Insulators with GI pins	Nos	72	103	7416	0	0	
7	45 kN Disc Insulators	Nos	6	300	1800	0	0	
8	Guy Set Complete	Sets	6	855	5130	314	1884	
9	Rabbit ACSR Conductor	Kms	3.045	36810	112086	2308	7028	
10	PG Clamps for Rabbit Conductor	Nos	6	89	534	0	0	
11	Spiral Earth Electrode	Nos	26	238	6188	49	1274	
12	EG Stirrups with GI wire lacing	Set of 2 Nos	24	424	10176	88	2112	
13	Concreting materials for guy sets without cement	Nos	6	140	840	0	0	
14	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/Dt: 24.10.07	Nos	8	120	960	43	344	
15	Anti Climbing Device (10mtrs/1 Kg GI Barbed Wire) Lumpsum	Nos	26	73	1898	20	520	
	Total				255672		40639	
16	Labour charges							
	a) Casual				40639			
	b) Regular				8128			
	Total Cost/Km in Rs.					304439		
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							