

COST DATA SHEET - 69

Running Single Circuit 1.1 kV 3 Phase 5 Wire Power Line on 9 Mtr Supports with Average Span of 40 Mtrs Using 3x95 + 1x16 + 1x70 Sqmm Aerial Bunched Cables (ABC) using 9mtr PSCC pole of 300kg WL for Dead Ends and Anchor Points

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost		
				Rate	Amt	Rate	Amt	
1	PSCC Poles 9 Mtr long with 300 Kg WL	Nos	10	4578	45780	1060	10600	
2	PSC Poles 9 Mtr long with 200 Kg WL	Nos	15	3401	51015	1060	15900	
3	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sqmm	kms	1.015	410000	416150	20426	20732	
4	Three Phase Distribution box for 6 Connections	Nos	20	2065	41300	538	10760	
5	Piercing connector suitable for 16 Sqmm - 95 Sqmm AB Cable - Service Connections	Nos	60	228	13680	77	4620	
6	Piercing connector suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections	Nos	25	160	4000	54	1350	
7	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	20	190	3800	115	2300	
8	Pole clamp for HT/LT AB cable	Sets	20	100	2000	192	3840	
	Eye Hook (Flat type) for fixing Clamps	Sets	20	90	1800	0	0	
8	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	16	200	3200	115	1840	
9	Universal Hook, Bolts & nuts	Nos	16	305	4880	115	1840	
10	T-connector KZ3 95	Nos	8	338	2704	130	1040	
11	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	5	310	1550	192	960	
12	Pre-Insulated lugs-CPTAU for 95 Sqmm	Nos	8	338	2704	160	1280	
13	End cap for 50/70 Sqmm	Nos	50	19	950	5	250	
14	Guy Set Complete	Sets	8	723	5784	354	2832	
15	Concreting for Guy sets (without cement)	Sets	8	158	1264	0	0	
16	PVC Insulated wire 16/25 Sqmm	Mtrs	400	23.52	9408	0	0	
17	Spiral Earth Electrodes	Nos	25	207	5175	55	1375	
	Total Cost of Materials				617144			
18	Labour Charges							
	a) Casual						81519	
	b) Regular						16304	
	Total Cost/Km in Rs.					714967		
1	While preparing estimates for turnkey / total turnkey projects please refer to Sl. No. To general guidelines vide a to page No. To							

COST DATA SHEET - 68

Running Single Circuit 11kV, 3 Phase Power Line on 9 Mtr Supports with an Average Span of 30 Mtrs Using 3x95 Sqmm + 1x70 Sqmm Aerial Bunched Cables (ABC) using 9mtr PSCC pole of 300kg WL for Dead Ends and Anchor Points

SL. No	Particulars	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	PSCC Poles 9 Mtr long with 300 Kg WL	Nos	10	4578	45780	1060	10600
2	PSC Poles 9 Mtr long with 200 Kg WL	Nos	24	3401	81624	1060	25440
3	11kV Class 3 phase Aerial Bunched Cable 3x95 + 70 Sqmm	Kms	1.015	631000	640465	20426	20732
4	Cable Straight thru' joint kits suitable for 95 Sqmm	Nos	6	5650	33900	828	4968
6	11 KV AB Cable Termination Kits fo 95 to 120 Sqmm	Nos	6	2100	12600	700	4200
7	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	30	190	5700	115	3450
	Pole clamp for HT/LT AB cable	Sets	30	100	3000	192	5760
8	Eye Hook (Flat type) for fixing Clamps	Sets	30	90	2700	0	0
	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	12	200	2400	115	1380
9	End Caps	Nos	10	19	190	5	50
10	11kV Lightning Arrester, Metal Oxide 9kV, 5kA	Set (3Nos)	2	2409	4818	107	214
11	Guy Set Complete	Sets	6	742	4452	354	2124
12	Concreting for Guy sets (without cement)	Sets	6	158	948	0	0
13	Grounding connection for messenger wire	Nos	4	122	488	26	104
15	Spiral Earth Electrodes	Nos	34	207	7038	55	1870
	Total Cost of Material				846103		
16	Labour Charges						
	a) Casual						80892.4
	b) Regular						16178.5
17	Total Cost/Km in Rs.				943173.9		

While preparing estimates for turnkey / total turnkey projects please refer to Sl. No. To general guidelines vide a to page No. To

COST DATA SHEET - 67

**Erection of 3 Phase, 11kV/433V, 100kVA BEE 3 Star Rated Single Pole Mounted Transformer
Centre on 9 Mtrs PSCC Pole 300kg WL**

Sl. No	Materials	Unit	Qty	Material cost		Labour Cost		
				Rate	Amt	Rate	Amt	
1	9 Mtr long PSCC pole of 300kg WL	No	1	4578	4578	1060	1060	
2	11kV Pin Insulators with pins	Nos	3	94	282	0	0	
3	45kN Disc Insulator	Nos	3	290	870	0	0	
4	Guy Set Complete	Set	1	742	742	354	354	
5	Single pole TC set suitable for 100 kVA Transformer	Set	1	6129	6129	1016	1016	
6	11kV/433V, 100kVA, 3 Phase, 50 Cys Distribution Transformer BEE-3 Star Rated with Oil	No	1	121422	121422	910	910	
7	Earthing materials pipe type for grounding as per Drawing No. BESCO/GM/CP/15 & 34/Dt: 24.10.07.	Nos	3	1277	3831	573	1719	
8	Providing Concreting for 9 mtr RCC Pole				0			
	a) Base concreting 1:4:8, 500x650x150 mm	Each	1	229	229	0	0	
	b) Pole concreting 1:2:4, 650x500x1700	Each	1	2566	2566	0	0	
	c) Coping 1:2:4 (as per actuals)	Each	1	444	444	0	0	
9	Concreting materials for Guy sets (without cement)	No	1	158	158	0	0	
10	GI Wire 8 SWG	Kgs	5	54.67	273.35	0	0	
11	Guy Wire 7/10 SWG	Kgs	10	57.7	577	0	0	
12	11kV Lightning Arester, Metal Oxide 9kV, 5kA	Set/3 Nos	1	2070	2070	71	71	
13	a) LT Protection Kit	No	2	1602	3204	205	410	
	b) LT Distribution Box for 100kVA with MCB	No	1	16705	16705	455	455	
	c) LT Wiring (From DTC to LT Line Through Merering Box & LT Protection Kit/LT Distribution Box) SINGLE CIRCUIT	No	1					
	i. Al Lead Wire - 120 Sqmm	Mtrs	45	108	4860	568	568	
	ii. Copper lugs - 120 Sqmm	Nos	12	77	924			
	iii. PG Clamps - Rabbit to 120 Sqmm	Nos	4	204	816			
	iv. Spacers for DTC Wiring	Nos	8	38	304			
	v. Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	Nos	2	155	310			
d) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS-42)	No	1	4918	4918	514	514		
e) LT Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy	No	1	2250	2250	631	631		
14	11kV Solid Core Type HG Fuse Unit	Set/3 Nos	1	827	827	423	423	
15	11kV, 200Amps, Single Break GOS	Nos	1	6951	6951	636	636	
16	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/ Dt: 24.10.07	No	1	120	120	48	48	
17	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kg	1	64	64	25	25	
18	Total Material Cost							
	a) With LT Distribution Box				183220			
	b) With LT Protection Kit				169719			
19	Labour Charges							
				for LT Distribution Box		for LT Protection Kit		
	a) Casual			8430		8385		
	b) Regular			1686		1677		
	Total							
	Total Cost for Erection of a Single Pole Mounted 100kVA Transformer with LT Distribution Box in Rs					193336		
	Total Cost for Erection of a Single Pole Mounted 100kVA Transformer with LT Protection KIT in Rs					179781		

COST DATA SHEET - 66

Erection of 3 Phase, 11kV/433V, 63kVA BEE 3 Star Rated Single Pole Mounted Transformer Centre on 9 Mtrs PSCC Pole 300kg WL

Sl. No	Materials	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	9 Mtr long PSCC pole of 300kg WL	No	1	4578	4578	1060	1060
2	11kV Pin Insulators with pins	Nos	3	94	282	0	0
3	45kN Disc Insulator	Nos	3	290	870	0	0
4	Guy Set Complete	Set	1	742	742	354	354
5	Single pole TC set suitable for 63 kVA Transformer	Set	1	4088	4088	1016	1016
6	11kV/433V, 63kVA, 3 Phase, 50 Cys Distribution Transformer BEE-3 Star Rated with Oil	No	1	93726	93726	682	682
7	Earthing materials pipe type for grounding as per Drawing No. BESCOM/GM/CP/15 & 34/ Dt: 24.10.07	Single Electrode with accessories	3	1277	3831	573	1719
8	Concreting materials for 9 mtr RCC Pole						
	a) Base concreting 1:4:8, 500x650x150 mm	Each	1	229	229	0	0
	b) Pole concreting 1:2:4, 650x500x1700	Each	1	2566	2566	0	0
	c) Coping 1:2:4 (as per actuals)	Each	1	444	444	0	0
9	Concreting materials for Guy sets (without cement)	No	1	158	158	0	0
10	GI Wire 8 SWG	Kgs	5	54.67	273.35	0	0
11	Guy Wire 7/10 SWG	Kgs	10	57.7	577	0	0
12	11kV Lightning Arester, Metal Oxide 9kV, 5kA	Set/3 Nos	1	2070	2070	71	71
13	a) LT Protection Kit for 63 kVA	Nos	2	1602	3204	205	410
	b) LT Wiring (From DTC to LT Line Through Merering Box & LT Protection Kit) SINGLE CIRCUIT	No	1				
	i. Al Lead Wire - 95 Sqmm	Mtrs	40	82	3280	568	568
	ii. Copper lugs - 95 Sqmm	Nos	4	71	284		
	iii. PG Clamps - Rabbit to 95 Sqmm	Nos	4	105	420		
	iv. Spacers for DTC Wiring	Nos	8	38	304		
	v. Fish Plate with necessary Clamps,bolts & nuts etc complete (Galvanised)	Nos	2	155	310		
	c) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS-42)	No	1	5224	5224	514	514
d) LT Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy	No	1	2250	2250	631	631	
14	11kV Solid Core Type HG Fuse Unit	Set/3 Nos	1	827	827	423	423
15	11kV, 200Amps, Single Break GOS	Nos	1	6951	6951	636	636
16	Caution/Danger Board as per Drawing No. BESCOM/GM/CP/40/ Dt: 24.10.07	No	1	120	120	48	48
17	Anti Climbing Device (12mtrs/ 1Kg GI Barbed Wire) Lumpsum	Kg	1	64	64	25	25
18	Total material cost				137672		
19	Labour Charges						
	a) Casual						8157
	b) Regular						1631
Total cost for Erection of a Single Pole Mounted 63kVA Transformer in Rs					147461		

COST DATA SHEET - 65

Erection of 3 Phase, 11kV/433V, 25kVA BEE 3 Star Rated Single Pole Mounted Transformer Centre on 9 Mtrs PSCC Pole 300kg WL

Sl. No	Materials	Unit	Qty	Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	9 Mtr long PSCC pole of 300kg WL	No	1	4578	4578	1060	1060
2	11kV Pin Insulators with pins	Nos	3	94	282	0	0
3	45kN Disc Insulator	Nos	3	290	870	0	0
4	Guy Set Complete	Set	1	742	742	354	354
5	Single pole TC set suitable for 25 kVA Transformer	Set	1	4088	4088	1016	1016
5	11kV/433V, 25kVA, 3 Phase, 50 Cys Distribution Transformer BEE-3 Star Rated with Oil	No	1	51560	51560	682	682
7	Earthing materials pipe type for grounding as per Drawing No. BESCOM/GM/CP/15 & 34/ Dt: 24.10.07	Single Electrode with accessories	3	1277	3831	573	1719
8	Concreting materials for 9 mtr PSCC Pole						
	a) Base concreting 1:4:8, 500x650x150 mm	Each	1	229	229	0	0
	b) Pole concreting 1:2:4, 650x500x1700	Each	1	2566	2566	0	0
	c) Coping 1:2:4 (as per actuals)	Each	1	444	444	0	0
9	Concreting materials for Guy sets (without cement)	No	1	158	158	0	0
10	GI Wire 8 SWG	Kgs	5	54.67	273.35	0	0
11	Guy Wire 7/10 SWG	Kgs	10	57.7	577	0	0
12	11kV Lightning Aresters, Metal Oxide 9kV, 5kA	Set/3 Nos	1	2070	2070	71	71
13	a) LT Protection Kit for 25 kVA	No	1	1602	1602	205	205
	b) LT Wiring (From DTC to LT Line Through Metering Box & LT Protection Kit) SINGLE CIRCUIT	No	1				
	i. Al Lead Wire - 50 Sqmm	Mtrs	25	45	1125	568	568
	ii. Copper lugs - 50 Sqmm	Nos	4	30	120		
	iii. PG Clamps - Rabbit to 50 Sqmm	Nos	4	66	264		
	iv. Spacers for DTC Wiring	Nos	8	38	304		
	v. Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	Nos	2	155	310		
	c) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS-42)	No	1	5662	5662	514	514
d) LT Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy	No	1	2250	2250	631	631	
14	11kV Solid Core Type HG Fuse Unit	Set/3 Nos	1	827	827	423	423
15	11kV, 200Amps, Single Break GOS	Nos	1	6951	6951	636	636
16	Caution/Danger Board as per Drawing No. BESCOM/GM/CP/40/ Dt: 24.10.07	No	1	120	120	48	48
17	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kg	1	64	64	25	25
18	Total Material Cost				91867.2		
	Labour Charges						
	a) Casual						7952
	b) Regular						1590
	Total cost for erection of a single pole mounted 25kVA Transformer in Rs					101410	

COST DATA SHEET - 64

Erection of 3 Phase, 11kV/433V, 250kVA BEE – 3 Star Rated Distribution Transformer Centre Using DPTS With 9 Mtrs PSCC Pole 300Kg WL

Sl.No	Particulars	Unit	Qty	250 KVA			
				Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	Part-A: TRANSFORMER						
	a) 9 Mtr PSCC DP Transformer Structure (Using 9 Mtr PSCC Poles of 300Kg WL)	No	1	21849	21849	4238	2999
	b) 8 Mtr RCC DP Transformer Structure (Using 8 Mtr PSC Poles 200kg WL)	No	1	Will be intimated	Will be intimated	3816	2703
2	11kV Pin Insulators	Sets	3	94	282	0	0
3	45kN Disc Insulators	Sets	3	290	870	0	0
4	Guy Set Complete	Nos	4	742	2968	354	1416
5	11kV/433V, 250kVA, 3 Phase, 50 Cys Distribution Transformer with oil	No	1	277240	277240	1365	1365
6	Earthing materials pipe type for grounding as per Drawing No. BESCO/GM/CP/15 & 34/ Dt: 24.10.07	Single Electrode with accessories	3	1277	3831	573	1719
7	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/ Dt: 24.10.07	No	1	120	120	48	48
8	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	2	64	128	25	50
9	Concreting for Guy sets without cement	Nos	4	158	632	0	0
10	GI Wire 8 SWG	Kgs	5	54.67	273	0	0
11	Guy wire 7/10 SWG	Kgs	10	56.26	563	0	0
	Total using 9 mtr PSCC Poles of 300Kg WL				308756		7597
	Total using 8 mtr PSC Poles 200kg WL				286907		7301
12	Labour Charges						
	Total using 9 mtr PSCC Poles of 300Kg WL						
	a) Casual						7597
	b) Regular						1519
	ii) using 8 mtr poles						
	a) Casual						7301
	b) Regular						1460
13	Total for Part-A						
	Total using 9 mtr PSCC Poles of 300Kg WL				317872		
	Total using 8 mtr PSC Poles 200kg WL				Will be intimated		

	Part-B:						
14	11kV Lightning Arrester, Metal Oxide 9kV, 5kA	Set of 3 Nos	1	2070	2070	71	71
15	Labour Charges						
	a) Casual						71
	b) Regular						14
16	Total for Part-B				2155		
	Part-C: SWITCH GEAR						
17	a) LT Distribution box for 250kVA with MCCB	No	1	16705	16705	455	455
	b) LT Wiring (From DTC to LT Line via Metering Box & LT Protection Kit) SINGLE CIRCUIT	No	1				
	i. Al Lead Wire - 240 Sqmm	Mtrs	45	199	8955	644	644
	ii. Copper lugs - 240 Sqmm	Nos	12	184	2208		
	iii. PG Clamps - Rabbit to 240 Sqmm	Nos	4	307	1228		
	iv. Spacers for DTC Wiring	Nos	8	38	304		
	v. Fish Plate with necessary Clamps,bolts & nuts etc complete (Galvanised)	Nos	2	155	310		
	c) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS-42)	No	1	5080	5080	514	514
d) LT Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy	Nos.	1	2250	2250	631	631	
18	11kV Solid Core Type HG Fuse Unit	Set/ 3 nos	1	827	827	423	423
19	11kV, 200Amps, Single Break GOS	No	1	6951	6951	636	636
	Total Cost (Material)				44818		
20	Labour Charges						
	a) Casual						3303
	b) Regular						661
21	Total for Part-C				48782		
22	Total (A+B+C)						
	Total using 9 mtr PSCC Poles of 300Kg WL				368809		
	Labour Charges:						
	a) Casual						10971
	b) Regular						2194
	Total using 8 mtr PSC Poles 200kg WL					Will be intimated	
	Labour Charges:						
	a) Casual						10675
	b) Regular						2135

Note: Provision for actual quantity of additional materials viz 45kN Disc Insulator, 11 kV Pin Insulators ACSR/AAA Conductor, Transparent Alkathine Tube, PG Clamps and Terminal Connectors etc. Whenever required may be made in the estimate separately for

- 1 While preparing estimates for turnkey / total turnkey projects please refer to Sl. No. of General Guidelines vide a to in Page No.

COST DATA SHEET -63

Erection of 3 Phase, 11kV/433V, 100kVA BEE – 3 Star Rated Distribution Transformer Centre Using DPTS With 9 Mtrs PSCC Pole 300Kg WL

SI No	Particulars	Unit	Qty	100 KVA			
				Material cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	Part-A: TRANSFORMER						
	a) 9 Mtr PSCC DP Transformer Structure (Using 9 Mtr PSCC Poles of 300Kg WL)	No	1	21849	21849	4238	4238
	b) 8 Mtr RCC DP Transformer Structure (Using 8 Mtr PSC Poles 200kg WL)	No	1	Will be intimated	Will be intimated	3816	3816
2	11kV Pin Insulators	Sets	3	94	282	0	0
3	45kN Disc Insulators	Sets	3	290	870	0	0
4	Guy Set Complete	Nos	4	742	2968	354	1416
5	11kV/433V, 100kVA, 3 Phase 50 Cys Distribution Transformer BEE - 3 Star Rated with Oil	No	1	121422	121422	910	910
6	Earthing materials pipe type for grounding as per Drawing No. BESCO/GM/CP/15 & 34/ Dt: 24.10.07	Single Electrode with accessories	3	1277	3831	573	1719
7	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/ Dt: 24.10.07	No	1	120	120	48	48
8	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	2	64	128	25	50
9	Concreting for Guy sets without cement	Nos	4	158	632	0	0
10	GI Wire 8 SWG	Kgs	5	54.67	273	0	0
11	Guy wire 7/10 SWG	Kgs	10	56.26	563	0	0
	Total using 9 mtr PSCC Poles of 300Kg WL				152938		8381
	Total using 8 mtr PSC Poles 200kg WL				Will be intimated		7959
12	Labour Charges						
	Total using 9 mtr PSCC Poles of 300Kg WL						
	a) Casual						8381
	b) Regular						1676
	Total using 8 mtr PSC Poles 200kg WL						
	a) Casual						7959
	b) Regular						1592
13	Total for Part-A						
	Total using 9 mtr PSCC Poles of 300Kg WL				162995		
	Total using 8 mtr PSC Poles 200kg WL				Will be intimated		
	Part-B:						
14	11kV Lightning Arester, Metal Oxide 9kV, 5kA	Set of 3 Nos	1	2070	2070	71	71
15	Labour Charges						
	a) Casual						71

	b) Regular						14
16	Total for Part-B				2155		
	Part-C: SWITCH GEAR						
17	a) LT Protection Kit	Nos	2	1602	3204	205	410
	b) LT Distribution box for 100 kVA with MCB	No	1	16705	16705	455	455
	c) LT Wiring (From DTC to LT Line Through Merering Box & LT Protection Kit/LT Distribution Box) SINGLE CIRCUIT	No	1				
	i. Al Lead Wire - 120 Sqmm	Mtrs	45	108	4860	568	568
	ii. Copper lugs - 120 Sqmm	Nos	12	77	924		
	iii. PG Clamps - Rabbit to 120 Sqmm	Nos	4	204	816		
	iv. Spacers for DTC Wiring	Nos	8	38	304		
	v. Fish Plate with necessary Clamps,bolts & nuts etc complete (Galvanised)	Nos	2	155	310		
	d) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS-42)	No	1	4918	4918	514	514
e) LT Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy	Nos	1	2250	2250	631	631	
18	11kV Solid Core Type HG Fuse Unit	Set/3 Nos	1	827	827	423	423
19	11kV, 200Amps, Single Break GOS	No	1	6951	6951	636	636
			With LT Protection kit		With Distribution Box		
	Total Cost (Material)		25364		38865		
20	Labour Charges						
	a) Casual		3182		3227		
	b) Regular		636		645		
21	Total for Part-C		29182		42737		
22	Total (A+B+C)						
	Total using 9 mtr PSCC Poles of 300Kg WL		194333		207888		
	Labour Charges:						
	a) Casual		11634		11679		
	b) Regular		2327		2336		
	Total using 8 mtr PSC Poles 200kg WL		Will be intimated		Will be intimated		
	Labour Charges:						
	a) Casual		11212		11257		
	b) Regular		2242		2251		

Note: Provision for actual quantity of additional materials viz 45kN Disc Insulator, 11kV Pin Insulators ACSR/AAA Conductor, Transparent Alkathine Tube, PG Clamps and Terminal Connectors etc. Whenever required may be made in the estimate separately for

COST DATA SHEET -62

Erection of 3 Phase, 11kV/433V, 63kVA BEE – 3 Star Rated Distribution Transformer Centre Using DPTS With 9 Mtrs PSCC Pole 300Kg WL

Sl No	Particulars	Unit	Qty	63 KVA			
				Material Cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	Part-A: TRANSFORMER						
	a) 9 Mtr PSCC DP Transformer Structure (Using 9 Mtr PSCC Poles of 300Kg WL)	No	1	19806	19806	4115	4115
	b) 8 Mtr RCC DP Transformer Structure (Using 8 Mtr PSC Poles 200kg WL)	No	1	Will be intimated	Will be intimated	3560	3560
2	11kV Pin Insulators	Sets	3	94	282	0	0
3	45kN Disc Insulators	Sets	3	290	870	0	0
4	Guy Set Complete	Nos	4	742	2968	354	1416
5	11kV/433V, 63kVA, 3 Phase, 50 Cys Distribution Transformer BEE - 3 Star Rated with Oil	No	1	93726	93726	682	682
6	Earthing materials pipe type for grounding as per Drawing No. BESCO/GM/CP/15 & 34/ Dt: 24.10.07	Single Electrode with accessories	3	1277	3831	573	1719
7	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/ Dt: 24.10.07	No	1	120	120	48	48
8	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	2	64	128	25	50
9	Concreting for Guy sets without cement	Nos	4	158	632	0	0
10	GI Wire 8 SWG	Kgs	5	54.67	273	0	0
11	Guy wire 7/10 SWG	Kgs	10	56.26	563	0	0
	Total using 9 mtr PSCC Poles of 300Kg WL				123199		8030
	Total using 8 mtr PSC Poles 200kg WL				Will be intimated		7475
12	Labour Charges						
	Total using 9 mtr PSCC Poles of 300Kg WL						
	a) Casual						8030
	b) Regular						1606
	Total using 8 mtr PSC Poles 200kg WL						
	a) Casual						7475
	b) Regular						1495
13	Total for Part-A						
	Total using 9 mtr PSCC Poles of 300Kg WL				132835		
	Total using 8 mtr PSC Poles 200kg WL				Will be intimated		
	Part-B:						
14	11kV Lightning Arester, Metal Oxide 9kV, 5kA	Set of 3 Nos	1	2070	2070	71	71
15	Labour Charges						

	a) Casual						71
	b) Regular						14
16	Total for Part-B				2155		
	Part-C: SWITCH GEAR						
17	a) LT Protection Kit for 63 kVA	Nos	2	1602	3204	205	410
	b) LT Wiring (From DTC to LT Line Through Metering Box & LT Protection Kit) SINGLE CIRCUIT	No	1				
	i. Al Lead Wire - 95 Sqmm	Mtrs	40	82	3280	568	568
	ii. Copper Lugs - 95 Sqmm	Nos	4	71	284		
	iii. PG Clamps - Rabbit to 95 Sqmm	Nos	4	105	420		
	iv. Spacers for DTC Wiring	Nos	8	38	304		
	v. Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	Nos	2	155	310		
	c) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS-42)	No	1	5224	5224	514	514
d) LT Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy	No	1	2250	2250	631	631	
18	11kV Solid Core Type HG Fuse Unit	Set/ 3 nos	1	827	827	423	423
19	11kV, 200Amps, Single Break GOS	No	1	6951	6951	636	636
	Total Cost (Material) for Part-C				23054		
20	Labour Charges						
	a) Casual						3182
	b) Regular						636
21	Total for Part-C				26872		
22	Total (A+B+C)						
	Total using 9 mtr PSCC Poles of 300Kg WL				161863		
	Labour Charges:						
	a) Casual						11283
	b) Regular						2257
	Total using 8 mtr PSC Poles 200kg WL					Will be intimated	
	Labour Charges:						
	a) Casual						10728
	b) Regular						2146
Note: Provision for actual quantity of additional materials viz 45kN Disc Insulator, 11kV Pin Insulators ACSR/AAA Conductor, Transparent Alkathine Tube, PG Clamps and Terminal Connectors etc. Whenever required may be made in the estimate separately for							

COST DATA SHEET - 61

Erection of 3 Phase, 11kV/433V, 25kVA BEE – 3 Star Rated Distribution Transformer Centre Using DPTS With 9 Mtrs PSCC Pole 300Kg WL

Sl No	Particulars	Unit	Qty	25 KVA			
				Material Cost		Labour Cost	
				Rate	Amt	Rate	Amt
1	Part-A: TRANSFORMER						
	a) 9 Mtr PSCC DP Transformer Structure (Using 9 Mtr PSCC Poles of 300Kg WL)	No	1	19806	19806	4115	4115
	b) 8 Mtr RCC DP Transformer Structure (Using 8 Mtr PSC Poles 200kg WL)	No	1	will be intimated	will be intimated	3560	3560
2	11kV Pin Insulators	Sets	3	94	282	0	0
3	45kN Disc Insulators	Sets	3	290	870	0	0
4	Guy Set Complete	Nos	4	742	2968	354	1416
5	11kV/433V, 25KVA, 3 Phase, 50 Cys Distribution Transformer BEE-3 Star Rated with Oil	No	1	51560	51560	682	682
6	Earthing materials pipe type for grounding as per Drawing No. BESCO/GM/CP/15 & 34/ Dt: 24.10.07	Single Electrode with accessories	3	1277	3831	573	1719
7	Caution/Danger Board as per Drawing No. BESCO/GM/CP/40/ Dt: 24.10.07	No	1	120	120	48	48
8	Anti Climbing Device (12mtrs/1Kg GI Barbed Wire) Lumpsum	Kgs	2	64	128	25	50
9	Concreting for Guy sets without cement	Nos	4	158	632	0	0
10	GI Wire 8 SWG	Kgs	5	54.67	273.35	0	0
11	Guy wire 7/10 SWG	Kgs	10	56.26	563	0	0
	Total using 9 mtr PSCC Poles of 300Kg WL				81033		8030
	Total using 8 mtr PSC Poles 200kg WL				will be intimated		7475
12	Labour Charges						
	Total using 9 mtr PSCC Poles of 300Kg WL						
	a) Casual						8030
	b) Regular						1606
	Total using 8 mtr PSC Poles 200kg WL						
	a) Casual						7475
	b) Regular						1495
13	Total for Part-A						
	Total using 9 mtr PSCC Poles of 300Kg WL				90669		
	Total using 8 mtr PSC Poles 200kg WL				will be intimated		
	Part-B:						
14	11kV Lightning Arester, Metal oxide, 9kV, 5kA	Set of 3 Nos	1	2070	2070	71	71
15	Labour Charges						
	a) Casual						71

	b) Regular						14
16	Total for Part-B				2155		
	Part-C: SWITCH GEAR						
17	a) LT Protection Kit for 25 kVA	No	1	1602	1602	205	205
	b) LT Wiring (From DTC to LT Line Through Metering Box & LT Protection Kit) SINGLE CIRCUIT	No	1				
	i. Al Lead Wire - 50 Sqmm	Mtrs	25	45	1125	568	568
	ii. Copper Lugs - 50 Sqmm	Nos	4	30	120		
	iii. PG Clamps - Rabbit to 50 Sqmm	Nos	4	66	264		
	iv. Spacers for DTC Wiring	Nos	8	38	304		
	v. Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	Nos	2	155	310		
	c) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS-42)	No	1	5662	5662	514	514
d) LT Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy	No	1	2250	2250	631	631	
18	11kV Solid Core Type HG Fuse Unit	Set/3 Nos	1	827	827	423	423
19	11kV, 200Amps, Single Break GOS	No	1	6951	6951	636	636
	Total Cost (Material) for Part-C				19415		
20	Labour Charges						
	a) Casual						2977
	b) Regular						595
21	Total for Part-C				22987		
22	Total (A+B+C)						
	Total using 9 mtr PSCC Poles of 300Kg WL				115812		
	Labour Charges:						
	a) Casual						11078
	b) Regular						2216
	Total using 8 mtr PSC Poles 200kg WL				will be intimated		
	Labour Charges:						
	a) Casual						10523
	b) Regular						2105
Note: Provision for actual quantity of additional materials viz 45kN Disc Insulator, 11kV Pin Insulators ACSR/AAA Conductor, Transparent Alkathine Tube, PG Clamps and Terminal Connectors etc. Whenever required may be made in the estimate separately for							