ABSTRACT OF COMMON SR 2016-17 COST DATA SHEETS

			CSR 2016-17	
Cost Data Sheet No.	**PARTICULARS**	**Unit**	**Total cost of Estimate (In Rs.)**	**Labour Charges only casual (In Rs.)**
			Material + Labour (Both casual and Regular)	**Labour**
1	11 kV 3-Ph SC line with 40 mtrs span on 9 mtr supports using Rabbit conductor	Km	298088	45973
2	11 kV 3-Ph SC line with 50 mtrs span on 9 mtr supports using Rabbit conductor	Km	266555	39283
3	11 kV 3-Ph SC line with 50 mtrs span on 8 mtr supports using Rabbit conductor	Km	240466	35107
4	11 kV 3-Ph SC line with 40 mtrs span on 9 mtr supports using coyote conductor	Km	512054	54072
5	11 kV 3 Ph. SC Line and 3 phase - 4 wire LT line on 9.0 mtr supports with an average span of 50mtrs using Rabbit Conductor for H.T. and WEASEL for L.T Lines	Km	435455	59809
6	11 kV 3 Ph. SC Line and 3 phase - 4 wire LT line on 9.0 mtr supports with an average span of 40 mtrs using Rabbit Conductor for H.T. and L.T Lines	Km	544198	72369
7	3 Ph. 4 wire LT line on 8 mtr supports with 60 mtrs span using weasel Conductor (IP Set installations)	Km	182277	29031
8	3 Ph. 4 wire LT line on 8 mtr Supports with 40 mtrs span using Rabbit Conductor	Km	271584	39020
9	3 Ph. 4 wire LT line on 9 mtr Supports with 40 mtrs span using Rabbit Conductor	Km	301278	44320
10	3 Ph. 5 wire LT line on 9.0 mtr supports Using Rabbit conductor for phase and nutral and weasel for street light with a span of 40mtrs (For Cities, Towns and Residential layouts)	Km	356148	50319
11	3 Ph. 5 wire LT line with 8.0 mtr Supports Using Rabbit conductor with a span of 50 mtrs	Km	298281	39412
12	3 Ph. 5 wire LT line with 8.0 mtr Supports Using Weasel with a span of 40 mtrs	Km	213223	37702
13	L.T 3 Ph. 5 wire LT line with continuous earth wire on 9.0 mtr supports using RABBIT for phase, neutral and weasel for street light control and 8 SWG G.I. wire for continuous ground wire with 40 mtrs span in vertical configuration	Km	379568	56395
14	11 kV 3 ph. SC line on 9 mtr supports using **Rabbit** conductor with 40 mtrs span with vertical configuration in congested area	Km	511632	85797
15	**Providing 2 pole structrue at the tapping point using RCC pole**			
	a) 8 mtr RCC	Per unit	46366	6408
	b) 9 mtr RCC	Per unit	49274	6586
16	Providing 3 Pole Structure using 9 Mtrs RCC Poles	Per unit	42426	7671
17	Providing Metering to IP Set installations using SMC Box	Nos	6992	
18	Laying of 1km length of 11kV 3 core 95 Sq.mm XLPE UG Cable using Horizontal drilling method a.Flat armour b. Round Armour	Km	1760646 1886896	977303 977303
19	Laying of 1km length of 11kV 3 core 95 Sq.mm XLPE UG Cable using Conventional laying involving excavation of soil a. Flat armour b. Round Armour	Km	984811 111106	207609 207609

20	Laying of 1km length of 11kV 3 core 240 Sq.mm XLPE UG Cable using Horizontal drilling method a. Flat armour b. Round Armour	Km	 2250210 2491270	 977402 977402
21	Laying of 1km length of 11kV 3 core 240 Sq.mm XLPE UG Cable using Conventional laying involving excavation of soil a. Flat armour b. Round Armour	Km	 1482385 1723445	 209598 209598
22	Laying of 1km length of 11kV 3 core 400 Sq.mm XLPE UG Cable using Horizontal drilling method a. Flat armour b. Round Armour	Km	 2781044 3172044	 977502 977502
23	Laying of 1km length of 11kV 3 core 400 Sq.mm XLPE UG Cable using Conventional laying involving excavation of soil a. Flat armour b. Round Armour	Km	 2015485 2406485	 211586 211586
	a) Erection of 3-ph, 11 kV/433V Distribution Transformer center using 8**mtr DPTs** (For BEE 3 Star Rated Transformers)			
24	i) 25 kVA	Per unit	125215	10523
25	ii) 63 kVA	Per unit	171471	10728
26	iii) 100 kVA (with Distribution Box)	Per unit	218184	11257
	iv) 100kVA (with LT protection kit)	Per unit	204584	11212
	b) Erection of 3-ph, 11 kV/433V Distribution Transformer center using **9mtr DPTs** (For BEE Star Rated Transformers)			
24 a	i) 25 kVA	Per unit	129616	11078
25 a	ii) 63 kVA	Per unit	175872	11283
26 a	iii) 100 kVA (with Distribution Box)	Per unit	222293	11679
	iv) 100kVA (with LT protection kit)	Per unit	208693	11634
27	Erection of 3-ph, 11 kV/433V 250 kVA Distribution Transformer center using 8mtr DPTs	Per unit	378675	10675
27 a	Erection of 3-ph, 11 kV/433V 250 kVA Distribution Transformer center using 9mtr DPTs	Per unit	382506	10971
28	Erection of 25 kVA , BEE 3 Star Rated 11kV/433V, Single pole mounted transformer centre on 9mtr RCC pole Square section	Per unit	104759	7952
29	Erection of 63 kVA, BEE 3 Star Rated11kV/433V, Single pole mounted transformer centre on 9 mtr RCC pole Square section	Per unit	150810	8157
30	Erection of 100 kVA, BEE 3 Star Rated 11kV/433V, Single pole mounted transformer centre on 9mtr RCC pole Square section			
	a) With LT Distribution Box	Per unit	196685	8430
	b) With LT Protection Kit	Per unit	183130	8385
31	Erection of 250 kVA, 11kV/433V, Single pole mounted Distribution Transformer on 11mtrs spun pole with 3 GOS system	Per unit	388095	13378
32	Providing Compact RMU 11kV class VCB/SF6 Type (1 Incomer+2 Breakers+1 Outgoing)		Will be furnished after committee report	Will be furnished after committee report
a	Schenider Make	Per unit		
b	ABB Make	Per unit		
c	Seimens Make	Per unit		
d	MEI	Per unit		
33	Providing Compact RMU 11kV class VCB/SF6 Type (1 Incomer+1Breakers+1 Outgoing)			
a	Schenider Make	Per unit		
b	ABB Make	Per unit		
c	Seimens Make	Per unit		
d	MEI	Per unit		
34	Providing Compact RMU 11kV class VCB/SF6 Type (1 OD)			
a	Schenider Make	Per unit		

b	ABB Make	Per unit		
c	Seimens Make	Per unit		
d	MEI	Per unit		
35	Providing Compact RMU 11kV class VCB/SF6 Type (1VL)			
a	Schenider Make	Per unit		
b	ABB Make	Per unit		
c	Seimens Make	Per unit		
d	MEI	Per unit		
36	Running Single Circuit 11 kV 3 Phase Power line on 9 mtr RCC supports with average span of 30 mtrs using 3x95 Sqmm+1x70Sqmm Aerial Bunched Cables (ABC)	Km	956804	80892
37	Running Single Circuit 1.1 kV 3 Phase 5 wire Power line on 9 mtr RCC supports with average span of 40 mtrs using 3x95 +1x16 +1x70 Sqmm Aerial Bunched Cables (ABC)	Km	728597	81519
38	Installing RLMU for the existing 15/25 KVA Distribution Transformer Center	Per unit	53747	3483
39	Installing RLMU for the existing 63 KVA Distribution Transformer Center	Per unit	58292	3483
40	Installing RLMU for the existing 100 KVA Distribution Transformer Center	Per unit	65925	3483
41	Erection of Compact Pre-fabricated Packaged Sub-station 11kV / 433 V			
	a) With 100 kVA oil cooled transformer	Per unit	Will be furnished after committee report	Will be furnished after committee report
	b) With 250 kVA oil cooled transformer	Per unit		
	c) With 500 kVA oil cooled transformer	Per unit		
	d) With 750 kVA oil cooled transformer	Per unit		
	e) With 990 kVA oil cooled transformer	Per unit		
	f) With 100 kVA dry type transformer	Per unit		
	g) With 250 kVA dry type transformer	Per unit		
	h) With 500 kVA dry type transformer	Per unit		
	i) With 750 kVA dry type transformer	Per unit		
	j) With 990 kVA dry type transformer	Per unit		
42	providing Electronic Trivector Meters with associated CT's Metering Box etc., on LT side of Distribution Transformer Center			
a)	i) 15/25 kVA (with meter)	Per unit	7912	1145
	ii)15/25 kVA (without meter)		5662	514
b)	i) 50/63 kVA (with meter)	Per unit	7474	1145
	ii) 50/63 kVA (without meter)		5224	514
c)	i) 100 kVA (with meter)	Per unit	7168	1145
	ii) 100 kVA (without meter)		4918	514
d)	i) 250 kVA (with meter)	Per unit	7330	1145
	ii)250 kVA (without meter)		5080	514
e)	i) 500 kVA (with meter)	Per unit	7465	1145
	ii) 500 kVA (without meter)		5215	514
43	providing LT Capacitors to the Distribution Transformers			
	a) 3 kVAr for 15/25KVA DTCs	Per unit	1107	382
	b) 9 kVAr for 63KVA DTCs	Per unit	1513	382
	c) 18 kVAr for 100KVA DTCs	Per unit	2383	450
	d) 27 kVAr for 250KVA DTCs	Per unit	3483	525
	e) 54 kVAr for 300/500KVA DTCs	Per unit	5632	549
44	For carrying out 1 to 2 poles works in respect of Ganga Kalyana and Drinking Water Supply Works only.	Per Work		8829
45	For carrying out 3 to 5 poles works in respect of Ganga Kalyana and Drinking Water Supply Works only.	Per Work		13949
46	For carrying out 1 to 4 (One to four) poles works in respect of service main connection and E & I works only			

a	Works involving ONE pole	Per Work		4238
b	Works involving TWO poles	Per Work		5650
c	Works involving THREE poles	Per Work		7063
d	Works involving FOUR poles	Per Work		8475
47	Consolidated Labour charges for shifting of conductor terminations and all other fittings existing on the deteriorated pole while replaceing termination(cut point) poles(Does not include labour chages for releasing and erection of pole)	per pole		3000
48	Consolidated Labour charges for shifting of conductor and all other fittings existing on the deteriorated pole while replaceing intermediate poles(Does not include labour chages for releasing and erection of pole)	per pole		2200
49	Standard Requirement of Materials for providing LT Wiring for Distribution Transformer Centers of various capacities	Per Work		
	CDS for Distribution Line & Transformer works using 9mtrs PSCC poles of 300kg WL for Dead Ends Anchor points & Structures			
50	Running Single Circuit 11 kV, 3-Phase Power Line on 9.0 Mtr Supports with an Average Span of 50 Mtrs Using Rabbit ACSR Conductor and PSCC poles of 300 Kg WL for dead ends and DP structure	Per unit	293994	45973
51	Running Single Circuit 11 kV, 3-Phase Power Line on 9.0 Mtr Supports with an Average Span of 40 Mtrs Using COYOTE ACSR conductor and PSCC poles of 300 Kg WL for dead ends and DP structure	Per unit	262461	39283
52	Running Single Circuit 11 kV, 3-Phase Power Line on 9.0 Mtr Supports with an Average Span of 40 Mtrs Using COYOTE ACSR conductor and PSCC poles of 300 Kg WL for dead ends and DP structure	Per unit	505234	54072
53	Running Single Circuit 11 kV 3 Phase Power Line and 3 Phase - 4 Wire Secondary Line on 9 Mtr Supports with an Average Span of 50 Mtrs using RABBIT Conductor for HT and WEASEL for LT Lines and using PSCC poles of 300 Kg WL for dead ends and DP structure	Per unit	431356	59809
54	Running Single Circuit 11 kV, 3-Phase Power Line & 3 Phase 4 Wire Secondary Line on 9.0 Mtr Supports with an Average Span of 40 Mtrs Using RABBIT ACSR conductor for HT & LT Lines and using PSCC poles of 300 Kg WL for dead ends and DP structure	Per unit	540099	72369
55	Running LT, 3-Phase 4 Wire Power Line on 9.0 Mtr Supports Using RABBIT ACSR Conductor with an Average Span of 40 Mtrs and using PSCC poles of 300 Kg WL for dead ends and DP structure	Per unit	299982	44320
56	Running LT, 3-Phase 5 Wire for Power Line on 9.0 Mtr Supports Using RABBIT ACSR Conductor for Phase and Neutral, and WEASEL Conductor or Street Light with an Average Span of 40 Mtrs and using PSCC poles of 300 Kg WL for dead ends and Anchor Points (For Cities, Towns and Residential Layouts)	Per unit	348020	50319

57	Running LT, 3-Phase 5 Wire Power Line with Continuous Earth Wire on 9.0 Mtr Supports Using RABBIT ACSR for Phase and Neutral, and WEASEL Conductor for Street Light and 8 SWG GI Wire for Continuous Earth Wire with an Average Span of 40 Mtrs in Vertical Configuration and using PSCC poles of 300 Kg WL for dead ends and Anchor Points	Per unit	371390	56395
58	Running Single Circuit 11 kV, 3-phase Power Line on 9.0 Mtr Supports Using RABBIT ACSR Conductorand using PSCC poles of 300 Kg WL for dead ends and Anchor Points, With an Average Span of 40 Mtrs in Vertical Configuration in Congested Areas	Per unit	507543	85797
59	Providing 2 Pole Structrues at the Tapping Point Using 9Mtrs PSCC Poles of 300.Kg WL	Per unit	46998	5488
60	Erection of 3 Pole Structure With 9 Mtr PSCC Poles of 300Kg WL	Per unit	38337	7671
61	Erection of 3 Phase, 11kV/433V, 25kVA BEE – 3 Star Rated Distribution Transformer Centre Using DPTS With 9 Mtrs PSCC Pole 300Kg WL	Per unit	115812	11078
62	Erection of 3 Phase, 11kV/433V, 63kVA BEE – 3 Star Rated Distribution Transformer Centre Using DPTS With 9 Mtrs PSCC Pole 300Kg WL	Per unit	161863	11283
63(a)	Erection of 3 Phase, 11kV/433V, 100kVA BEE – 3 Star Rated Distribution Transformer Centre Using DPTS With 9 Mtrs PSCC Pole 300Kg WL	Per unit	194333	11634
63 (b)	Erection of 3 Phase, 11kV/433V, 100kVA BEE – 3 Star Rated Distribution Transformer Centre Using DPTS With 9 Mtrs PSCC Pole 300Kg WL	Per unit	207888	11679
64	Erection of 3 Phase, 11kV/433V, 250kVA BEE – 3 Star Rated Distribution Transformer Centre Using DPTS With 9 Mtrs PSCC Pole 300Kg WL	Per unit	368809	10971
65	Erection of 3 Phase, 11kV/433V, 25kVA BEE 3 Star Rated Single Pole Mounted Transformer Centre on 9 Mtrs PSCC Pole 300kg WL	Per unit	101410	7952
66	Erection of 3 Phase, 11kV/433V, 63kVA BEE 3 Star Rated Single Pole Mounted Transformer Centre on 9 Mtrs PSCC Pole 300kg WL	Per unit	147461	8157
67(a)	Erection of 3 Phase, 11kV/433V, 100kVA BEE 3 Star Rated Single Pole Mounted Transformer Centre on 9 Mtrs PSCC Pole 300kg WL (with LT Distribution Box)	Per unit	193336	8430
67(b)	Erection of 3 Phase, 11kV/433V, 100kVA BEE 3 Star Rated Single Pole Mounted Transformer Centre on 9 Mtrs PSCC Pole 300kg WL (with LT Protection KIT)	Per unit	179781	8385
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	Per unit	943174	80892
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	Per unit	714967	81519