

Standard Cost Data Book 2022-23

TPL Ahmedabad Distribution

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'The Distribution licensee and the Transmission Licensee shall prepare a cost data book covering broad specifications of various items and materials as well as man-hours of various categories of labour needed for providing any electric line or electrical plant used for the purpose of giving supply of electricity based on the actual cost data of the financial year immediately preceding the year in which the estimate is to be prepared'

The Regulation provides preparing the Cost data book based on actual data of financial year immediately preceding the current year. The standard Costs for various activities have been prepared based on latest purchase order.

As per above explained principle, the standard Cost Data book 2022-23 is prepared and shown in Annexure A, within which serial no. 1 to 44 represent HT activities, serial no. 45 to 88 represent LT activities and serial no. 89 to 118 represent EHV activities.

Annexure A

Sr. No.	Activity Description	UoM	Material Cost (Rs.)	Labour Cost (Rs.)	Sub Total (Rs.)	Supervision Charges @15% (Rs.)	Standard Cost With 15% Supervision (Rs.)
1	CABLE 11 KV XLPE 70/3 C ALU.-OPEN EXCAVATION	M	877	237	1,114	167	1,281
2	CABLE 11 KV XLPE 185 SQ.MM. / 3 CORE.-OPEN EXCAVATION	M	1,370	237	1,607	241	1,848
3	CABLE 11KV XLPE 300/3 C ALU.-OPEN EXCAVATION	M	1,801	245	2,047	307	2,354
4	CABLE 11 KV XLPE 70/3 C ALU.-Manual Drilling	M	1,252	638	1,890	284	2,174
5	CABLE 11 KV XLPE 185 SQ.MM. / 3 CORE.-Manual Drilling	M	1,745	638	2,383	358	2,741
6	CABLE 11KV XLPE 300/3 C ALU.-Manual Drilling	M	2,177	647	2,823	423	3,247
7	CABLE 11 KV XLPE 70/3 C ALU.-HDD	M	776	354	1,130	170	1,300
8	CABLE 11 KV XLPE 185 SQ.MM. / 3 CORE.-HDD	M	1,270	354	1,624	244	1,867
9	CABLE 11KV XLPE 300/3 C ALU.-HDD	M	1,701	366	2,067	310	2,377
10	JOINT 11 KV 70 SQMM /3C XLPE H S CABLE	EA	8,631	2,136	10,766	1,615	12,381
11	JOINT 11 KV 185/3 C XLPE HS	EA	9,117	2,460	11,578	1,737	13,314
12	JOINT 11 KV 300/3 C XLPE JOINT	EA	9,747	2,785	12,532	1,880	14,411
13	JOINT 11 KV 70/3 C PILC-XLPE CAB TRANS	EA	11,504	2,136	13,640	2,046	15,686
14	JOINT 11 KV 185/3 C PILC-XLPE CAB TRANS	EA	12,926	2,460	15,386	2,308	17,694
15	END TERMINATION 11 KV I/D 70/3C XLPE HS	EA	2,728	1,219	3,947	592	4,538
16	KIT END TERMTN 3CX185SQMM XLPE 11KVCABLE	EA	3,276	1,435	4,711	707	5,418
17	END TERMINATION 11KV I/D 300/3C XLPE HS	EA	4,023	1,907	5,930	889	6,819
18	SF6 RMU 11KV NE OD CGL	EA	2,54,769	6,848	2,61,616	39,242	3,00,859
19	RMU 11 KV NON EXTENSIBLE SF6 CGL MAKE ID	EA	2,57,740	6,848	2,64,588	39,688	3,04,276
20	SF6 RMU 11KV EXT OD CGL	EA	2,63,344	6,848	2,70,191	40,529	3,10,720
21	RMU 11 KV - EXTENSIBLE SF6 CGL MAKE ID	EA	2,81,222	6,848	2,88,070	43,210	3,31,280
22	SF6 RMU 11KV EXT OD ABB	EA	2,63,267	6,848	2,70,115	40,517	3,10,632
23	SF6 BREAKER 11KV EXT OD CGL	EA	1,85,891	6,848	1,92,739	28,911	2,21,649
24	BREAKER 11 KV SF6 CGL MAKE ID	EA	2,01,830	6,848	2,08,678	31,302	2,39,980

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25	BREAKER 11KV STANDALON OUTDOOR CGL MAKE	EA	1,91,909	6,848	1,98,757	29,814	2,28,570
26	BREAKER 11KV STANDALON INDOOR CGL MAKE	EA	1,98,316	6,848	2,05,164	30,775	2,35,939
27	BREAKER 11KV STANDALON OUTDOOR ABB MAKE	EA	1,82,744	6,848	1,89,591	28,439	2,18,030
28	BREAKER 11KV STANDALON INDOOR ABB MAKE	EA	1,65,634	6,848	1,72,481	25,872	1,98,354
29	SF6 ISOLATOR 11KV EXT OD CGL	EA	1,56,194	6,848	1,63,041	24,456	1,87,498
30	SF6 ISOLATOR 11KV EXT OD ABB	EA	1,37,137	6,848	1,43,984	21,598	1,65,582
31	ISOLATOR 11 KV SF6 CGL MAKE ID	EA	1,43,046	6,848	1,49,894	22,484	1,72,378
32	METERING CUBICAL 11 KV CT/ PT-CTR 25/5	EA	1,25,009	6,848	1,31,856	19,778	1,51,635
33	METERING CUBICAL 11KV CTR 100/5 ACC 0.2S	EA	1,23,515	6,848	1,30,363	19,554	1,49,917
34	METERING CUBICAL 11KV CTR 200/5 ACC 0.2S	EA	1,23,515	6,848	1,30,363	19,554	1,49,917
35	METERING CUBICAL 11KV CTR 300/5 ACC 0.2S	EA	1,23,515	6,848	1,30,363	19,554	1,49,917
36	FUSED DISTRIBUTION PILLAR FOR H.T	EA	56,695	2,524	59,219	8,883	68,101
37	MOTORIZED HT RMU 3-WAY (2 LBS + 1 BKR)	EA	5,02,840	6,848	5,09,688	76,453	5,86,141
38	Motorized HT RMU 4-Way (3 LBS +1 BKR)	EA	7,97,720	7,792	8,05,511	1,20,827	9,26,338
39	MOTORIZED HT RMU 4-WAY (2 LBS + 2 BKR)	EA	8,70,913	7,792	8,78,704	1,31,806	10,10,510
40	Motorized HT RMU 5-Way (3 LBS + 2 BKR)	EA	10,13,676	7,792	10,21,468	1,53,220	11,74,688
41	Motorized HT RMU 5-Way (4 LBS + 1 BKR)	EA	9,34,936	7,792	9,42,728	1,41,409	10,84,137
42	1CX630 mm ² ,1.1KV XLPE Alu unarmour Cable	M	726	99	825	124	949
43	ASPHALTROAD REPAIR ESTIMATE-DISTRIBUTION	RMT	-	1,233	1,233	185	1,418
44	FOOTPATH REPAIR ESTIMATE-DISTRIBUTION	RMT	-	497	497	75	571
45	2C X 10 MM ² , 1.1 KV PVC ALUMINUM CABLE	M	127	220	347	52	399
46	4C X 10 MM ² , 1.1 KV PVC ALUMINUM CABLE	M	150	220	370	55	425
47	4C X 25 MM ² , 1.1 KV PVC ALUMINUM CABLE	M	232	220	452	68	520
48	4C X 70 MM ² , 1.1 KV XLPE ALUMINUM CABLE	M	411	220	631	95	725
49	4C X 120 MM ² , 1.1 KV XLPE ALUMINUM CABLE	M	629	234	863	129	993
50	3.5C X 240 MM ² ,1.1KV XLPE ALUMINUM CABLE	M	1,037	234	1,271	191	1,462

Sr. No.	Activity Description	UoM	Material Cost (Rs.)	Labour Cost (Rs.)	Sub Total (Rs.)	Supervision Charges @15% (Rs.)	Standard Cost With 15% Supervision (Rs.)
51	JOINT LT SJ-10 3.5C 70 SQMM CABLE	EA	1,352	681	2,033	305	2,338
52	JOINT LT SJ-11	EA	1,617	1,027	2,643	396	3,040
53	JOINT LT SJ-12	EA	2,537	1,027	3,564	535	4,098
54	JOINT LT S3 4C/25 SQMM CABLE	EA	503	513	1,016	152	1,168
55	JOINT LT POTEND	EA	119	417	536	80	616
56	MSP SMALL	EA	10,290	3,921	14,212	2,132	16,343
57	BIG MSP WITH FUSEBASE	EA	20,606	2,958	23,564	3,535	27,099
58	FSP FOR LT SECTION	EA	72,043	9,146	81,189	12,178	93,368
59	FUSEBOX 100AMPS	EA	7,121	2,306	9,426	1,414	10,840
60	FUSEBOX BUSBAR CHAMBER 100AMPS	EA	8,615	2,306	10,921	1,638	12,559
61	FUSEBOX LTSF 100 AMPS	EA	10,846	2,476	13,321	1,998	15,319
62	FUSEBOX LTSF 200 AMPS	EA	11,070	2,476	13,546	2,032	15,578
63	FUSEBOX LTSF 300 AMPS	EA	13,757	2,476	16,233	2,435	18,668
64	125A LT SWITCH FUSE UNIT	EA	18,457	2,476	20,932	3,140	24,072
65	250 A SWITCH WITH BUSBAR FOR 50A RULE	EA	21,420	2,476	23,896	3,584	27,480
66	400 A SWITCH WITH BUSBAR FOR 50A RULE	EA	25,151	2,476	27,627	4,144	31,771
67	METERBOX SINGLE PHASE SMALL	EA	671	373	1,044	157	1,200
68	METERBOX THREE PHASE SMALL	EA	1,562	536	2,098	315	2,413
69	METERBOX THREE PHASE MOTIVE POWER	EA	5,267	1,173	6,440	966	7,406
70	METERBOX LTMD	EA	11,880	1,437	13,317	1,998	15,315
71	GLAND DOUBLE COMPRESSION-10MM ² X2C CABLE	EA	202	175	377	57	433
72	GLAND DOUBLE COMPRESSION 25MM- FOR 4CX10	EA	203	175	378	57	435
73	GLAND DOUBLE COMPRESSION 32MM-FOR 4CX25	EA	309	175	484	73	556
74	GLAND DOUBLE COMPRESSION 38MM-FOR 4CX70	EA	457	249	706	106	812
75	GLAND DOUBLE COMPRESSION 50 MM	EA	616	439	1,055	158	1,213
76	GLAND DOUBLE COMPRESSION 63MM-FOR3.5CX240	EA	964	439	1,403	210	1,613

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77	SMC DISTRIBUTION BOX	EA	3,888	511	4,399	660	5,058
78	1-Phase Import-Export Meter- 10-60 Amp.	EA	1,210	-	1,210	181	1,391
79	3-Phase Import-Export Meter- 10-60 Amp.	EA	2,148	-	2,148	322	2,470
80	3-phase Import-Export Meter- 20-100 Amp.	EA	3,040	-	3,040	456	3,496
81	3-phase Import-Export CTO Meter- 100/5 Amp.	EA	3,664	-	3,664	550	4,213
82	CT 200/5 Amp. for Import-export meter	EA	3,776	-	3,776	566	4,342
83	1-Phase Uni-directional Meter- 10-60 Amp.	EA	958	-	958	144	1,102
84	3-Phase Uni-directional Meter- 10-60 Amp.	EA	1,829	-	1,829	274	2,103
85	3-phase Uni-directional Meter- 20-100 Amp.	EA	2,148	-	2,148	322	2,470
86	3-phase Uni-directional CTO Meter- 100/5 Amp.	EA	2,596	-	2,596	389	2,985
87	CT 200/5 Amp. for Uni-directional meter	EA	3,275	-	3,275	491	3,766
88	Three Phase HT CTO 11kv 100/5A Imp-Exp M	EA	28,090	-	28,090	4,213	32,303
89	END TERMINATION GIS FOR 33 KV 3C 400 SQMM AL CABLE	EA	91,527	18,880	1,10,407	16,561	1,26,968
90	33 KV 3C 400 SQMM AL CABLE	M	4,034	637	4,671	701	5,371
91	END TERMINATION AIS FOR 33 KV 3C 400 SQMM AL CABLE	EA	9,260	5,310	14,570	2,186	16,756
92	ST JOINT FOR 33 KV 3C 400 SQMM AL CABLE	EA	22,420	5,192	27,612	4,142	31,754
93	33 KV 3C 630 SQMM AL CABLE	M	3,609	673	4,282	642	4,924
94	END TERMINATION AIS FOR 33 KV 3C 630 SQMM AL CABLE	EA	11,564	4,413	15,977	2,397	18,374
95	ST JOINT FOR 33 KV 3C 630 SQMM AL CABLE	EA	60,685	9,440	70,125	10,519	80,644
96	END TERMINATION GIS FOR 33 KV 3C 630 SQMM AL CABLE	EA	91,527	18,880	1,10,407	16,561	1,26,968
97	Supply & Installation of 132kv joint for 1200 sq. mm Al Cable	EA	6,98,591	1,62,934	8,61,526	1,29,229	9,90,755
98	Supply & Installation of 132kv joint for 1600 sq. mm Cu Cable	EA	6,89,623	2,73,430	9,63,053	1,44,458	11,07,511
99	Supply & Installation of 132kv joint for 800 sq. mm Al Cable	EA	7,13,813	1,82,471	8,96,285	1,34,443	10,30,727
100	Supply & Installation of 132kv Termination 1200 sq. mm Al Cable	EA	6,05,969	1,86,361	7,92,331	1,18,850	9,11,180
101	Supply & Installation of 132kv Termination 1600 sq. mm Cu Cable	EA	6,29,569	2,88,490	9,18,060	1,37,709	10,55,769
102	Supply & Installation of 132kv Termination 800 sq. mm Al Cable	EA	5,70,569	2,23,974	7,94,543	1,19,181	9,13,725

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103	Supply & Installation of S/C 132kv x 1200 x Al Cable	M	21,978	11,487	33,465	5,020	38,485
104	Supply & Installation of S/C 132kv x 1600 x Cu Cable	M	71,117	13,510	84,627	12,694	97,320
105	Supply & Installation of S/C 132kv x 800 x Al Cable	M	17,800	12,854	30,654	4,598	35,252
106	Supply & Installation of D/C 132kv x 1200 x Al Cable	M	41,390	20,276	61,665	9,250	70,915
107	Supply & Installation of D/C 132kv x 1600 x Cu Cable	M	1,39,687	20,386	1,60,074	24,011	1,84,085
108	Supply & Installation of D/C 132kv x 800 x Al Cable	M	33,049	18,933	51,983	7,797	59,780
109	Supply & Installation of 220kv joint for 1600 sq. mm Al/CU Cable	EA	8,50,693	3,09,325	11,60,019	1,74,003	13,34,021
110	Supply & Installation of 220kv Termination 1600 sq. mm Al/CU Cable	EA	9,64,965	3,69,383	13,34,348	2,00,152	15,34,500
111	Supply & Installation of S/C 220kv x 1600 x Al Cable	M	23,366	13,685	37,051	5,558	42,608
112	Supply & Installation of D/C 220kv x 1600 x Al Cable	M	44,185	20,890	65,075	9,761	74,836
113	Supply & Installation of 33kv GIS (I/C) PNL AT HT Cust SS	EA	35,59,095	1,06,200	36,65,295	5,49,794	42,15,090
114	Supply & Installation of 33kv GIS (O/G) PNL AT HT Cust SS	EA	27,14,332	1,06,200	28,20,532	4,23,080	32,43,611
115	Road Reinstatement for EHV cable route	RMT	-	3,220	3,220	483	3,703
116	Supply & Installation of S/C 220kv x 1600 x CU Cable	M	70,018	12,841	82,859	12,429	95,287
117	Supply & Installation of D/C 220kv x 1600 x CU Cable	M	1,37,231	26,472	1,63,703	24,556	1,88,259
118	Supply & Installation of 33 KV GIS (B/C) PNL AT HT CUST SS	EA	36,74,084	1,06,200	37,80,284	5,67,043	43,47,326

Note: Applicable taxes, if any, will be charged.