

Standard Cost Data Book 2023-24

TPL Ahmedabad Distribution

Distribution Licensee is required to prepare and publish Standard Cost Data book as per " Licensee's power to Recover Expenditures Incurred in providing Supply and Other Miscellaneous charges 2005" issued by GERC. The Standard Cost Data book is a basis of making the initial estimate for laying of electric line and/or erection of electrical plant for extending supply to the applicant. The chapter 6 of Regulation is reproduced as under:

'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 2023-24 is prepared and shown in Annexure A, within which serial no. 1 to 46 represent HT activities, serial no. 47 to 94 represent LT activities and serial no. 95 to 127 represent EHV activities.

Annexure A

Sr. No.	Activity Description	UoM	Material Cost (Rs.) A	Labour Cost (Rs.) B	Sub Total (Rs.) C = (A+B)	Supervision Charges @15% (Rs.) D = (C*15%)	Standard Cost With 15% Supervision charges (Rs.) E = (C+D)
1	CABLE 11 KV XLPE 70/3 C ALU.-OPEN EXCAVATION	M	822	237	1,059	159	1,218
2	CABLE 11 KV XLPE 185 SQ.MM. / 3 CORE.-OPEN EXCAVATION	M	1,312	237	1,549	232	1,782
3	CABLE 11KV XLPE 300/3 C ALU.-OPEN EXCAVATION	M	1,753	245	1,998	300	2,298
4	CABLE 11 KV XLPE 70/3 C ALU.-Manual Drilling	M	1,065	638	1,704	256	1,959
5	CABLE 11 KV XLPE 185 SQ.MM. / 3 CORE.-Manual Drilling	M	1,555	638	2,194	329	2,523
6	CABLE 11KV XLPE 300/3 C ALU.-Manual Drilling	M	1,996	647	2,643	396	3,039
7	CABLE 11 KV XLPE 70/3 C ALU.-HDD	M	708	354	1,062	159	1,221
8	CABLE 11 KV XLPE 185 SQ.MM. / 3 CORE.-HDD	M	1,198	354	1,552	233	1,785
9	CABLE 11KV XLPE 300/3 C ALU.-HDD	M	1,638	366	2,004	301	2,305
10	JOINT 11 KV 70 SQMM /3C XLPE H S CABLE	EA	8,635	2,136	10,771	1,616	12,386
11	JOINT 11 KV 185/3 C XLPE HS	EA	9,122	2,460	11,582	1,737	13,319
12	JOINT 11 KV 300/3 C XLPE JOINT	EA	9,751	2,785	12,536	1,880	14,416
13	JOINT 11 KV 70/3 C PILC-XLPE CAB TRANS	EA	11,685	2,136	13,821	2,073	15,894
14	JOINT 11 KV 185/3 C PILC-XLPE CAB TRANS	EA	13,178	2,460	15,638	2,346	17,984
15	70X3C 11/11KV XLPE HS ID TERMINATION	EA	2,578	1,219	3,797	569	4,366
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	2,54,818	6,848	2,61,666	39,250	3,00,916
19	RMU 11 KV NON EXTENSIBLE SF6 CGL MAKE ID	EA	2,57,789	6,848	2,64,637	39,696	3,04,333
20	SF6 RMU 11KV EXT OD CGL	EA	2,63,393	6,848	2,70,241	40,536	3,10,777
21	RMU 11 KV - EXTENSIBLE SF6 CGL MAKE ID	EA	2,81,271	6,848	2,88,119	43,218	3,31,337
22	SF6 RMU 11KV EXT OD ABB	EA	2,63,317	6,848	2,70,164	40,525	3,10,689

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23	SF6 BREAKER 11KV EXT OD CGL	EA	1,85,940	6,848	1,92,788	28,918	2,21,706
24	BREAKER 11 KV SF6 CGL MAKE ID	EA	2,01,880	6,848	2,08,727	31,309	2,40,037
25	BREAKER 11KV STANDALON OUTDOOR CGL MAKE	EA	1,91,959	6,848	1,98,806	29,821	2,28,627
26	BREAKER 11KV STANDALON INDOOR CGL MAKE	EA	1,98,366	6,848	2,05,213	30,782	2,35,995
27	BREAKER 11KV STANDALON OUTDOOR ABB MAKE	EA	1,82,793	6,848	1,89,641	28,446	2,18,087
28	BREAKER 11KV STANDALON INDOOR ABB MAKE	EA	1,65,683	6,848	1,72,531	25,880	1,98,411
29	SF6 ISOLATOR 11KV EXT OD CGL	EA	1,56,243	6,848	1,63,091	24,464	1,87,555
30	SF6 ISOLATOR 11KV EXT OD ABB	EA	1,37,186	6,848	1,44,034	21,605	1,65,639
31	ISOLATOR 11 KV SF6 CGL MAKE ID	EA	1,43,096	6,848	1,49,943	22,492	1,72,435
32	METERING CUBICAL 11 KV CT/ PT-CTR 25/5	EA	1,22,615	6,848	1,29,462	19,419	1,48,881
33	METERING CUBICAL 11KV CTR 100/5 ACC 0.2S	EA	1,23,564	6,848	1,30,412	19,562	1,49,974
34	METERING CUBICAL 11KV CTR 200/5 ACC 0.2S	EA	1,23,564	6,848	1,30,412	19,562	1,49,974
35	METERING CUBICAL 11KV CTR 300/5 ACC 0.2S	EA	1,23,564	6,848	1,30,412	19,562	1,49,974
36	FUSED DISTRIBUTION PILLAR FOR H.T	EA	56,790	2,524	59,314	8,897	68,211
37	MOTORIZED HT RMU 3-WAY (2 LBS + 1 BKR)	EA	6,07,184	6,848	6,14,031	92,105	7,06,136
38	Motorized HT RMU 4-Way (3 LBS +1 BKR)	EA	7,97,769	7,792	8,05,561	1,20,834	9,26,395
39	MOTORIZED HT RMU 4-WAY (2 LBS + 2 BKR)	EA	8,70,962	7,792	8,78,754	1,31,813	10,10,567
40	Motorized HT RMU 5-Way (3 LBS + 2 BKR)	EA	10,13,726	7,792	10,21,517	1,53,228	11,74,745
41	Motorized HT RMU 5-Way (4 LBS + 1 BKR)	EA	9,34,986	7,792	9,42,777	1,41,417	10,84,194
42	MOTORIZED HT RMU 5-WAY (2 LBS + 3 BKR)	EA	12,37,035	7,792	12,44,826	1,86,724	14,31,550
43	1CX630 mm ² ,1.1KV XLPE Alu unarmour Cable	M	697	99	795	119	915
44	EARTH PLATE G.I.	EA	4,203	2,917	7,120	1,068	8,188
45	ASPHALTROAD REPAIR ESTIMATE-DISTRIBUTION	RMT	-	1,400	1,400	210	1,610
46	FOOTPATH REPAIR ESTIMATE-DISTRIBUTION	RMT	-	524	524	79	602

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47	2C X 10 MM2, 1.1 KV PVC ALUMINUM CABLE	M	143	220	363	54	417
48	4C X 10 MM2, 1.1 KV PVC ALUMINUM CABLE	M	163	220	384	58	441
49	4C X 25 MM2, 1.1 KV PVC ALUMINUM CABLE	M	238	220	458	69	527
50	4C X 70 MM2, 1.1 KV XLPE ALUMINUM CABLE	M	423	220	643	96	739
51	4C X 120 MM2, 1.1 KV XLPE ALUMINUM CABLE	M	628	234	863	129	992
52	3.5C X 240 MM2,1.1KV XLPE ALUMINUM CABLE	M	1,051	234	1,285	193	1,478
53	JOINT LT SJ-10 3.5C 70 SQMM CABLE	EA	1,352	681	2,033	305	2,338
54	JOINT LT SJ-11	EA	1,617	1,027	2,643	396	3,040
55	JOINT LT SJ-12	EA	2,537	1,027	3,564	535	4,098
56	JOINT LT S3 4C/25 SQMM CABLE	EA	503	513	1,016	152	1,168
57	JOINT LT POTEND	EA	119	417	536	80	616
58	MSP SMALL	EA	9,979	3,921	13,900	2,085	15,985
59	BIG MSP WITH FUSEBASE	EA	20,987	2,958	23,946	3,592	27,537
60	MSP WITH FUSEBASE AND NUTLESS BUSBAR	EA	20,692	2,958	23,651	3,548	27,198
61	FSP FOR LT SECTION	EA	72,685	9,146	81,831	12,275	94,106
62	FUSEBOX 100AMPS	EA	6,193	2,306	8,498	1,275	9,773
63	FUSEBOX BUSBAR CHAMBER 100AMPS	EA	7,683	2,306	9,988	1,498	11,486
64	FUSEBOX LTSF 100 AMPS	EA	10,490	2,476	12,966	1,945	14,911
65	FUSEBOX LTSF 200 AMPS	EA	10,674	2,476	13,150	1,972	15,122
66	FUSEBOX LTSF 300 AMPS	EA	13,519	2,476	15,994	2,399	18,393
67	125A LT SWITCH FUSE UNIT	EA	18,101	2,476	20,577	3,087	23,664
68	250 A SWITCH WITH BUSBAR FOR 50A RULE	EA	21,024	2,476	23,500	3,525	27,025
69	400 A SWITCH WITH BUSBAR FOR 50A RULE	EA	25,643	2,476	28,119	4,218	32,336
70	METERBOX SINGLE PHASE SMALL	EA	715	373	1,088	163	1,252

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71	METERBOX THREE PHASE SMALL	EA	1,556	536	2,092	314	2,405
72	METERBOX THREE PHASE MOTIVE POWER	EA	5,072	1,173	6,245	937	7,182
73	METERBOX LTMD	EA	13,681	1,437	15,118	2,268	17,386
74	GLAND DOUBLE COMPRESSION-10MM ² X2C CABLE	EA	195	175	370	55	425
75	GLAND DOUBLE COMPRESSION 25MM- FOR 4CX10	EA	194	175	369	55	424
76	GLAND DOUBLE COMPRESSION 32MM-FOR 4CX25	EA	297	175	471	71	542
77	GLAND DOUBLE COMPRESSION 38MM-FOR 4CX70	EA	464	249	713	107	820
78	GLAND DOUBLE COMPRESSION 50 MM	EA	629	439	1,068	160	1,229
79	GLAND DOUBLE COMPRESSION 63MM-FOR3.5CX240	EA	982	439	1,420	213	1,634
80	SMC DISTRIBUTION BOX	EA	3,917	511	4,427	664	5,092
81	EARTH PLATE G.I.	EA	4,203	2,917	7,120	1,068	8,188
82	ASPHALTROAD REPAIR ESTIMATE-DISTRIBUTION	RMT	-	1,400	1,400	210	1,610
83	FOOTPATH REPAIR ESTIMATE-DISTRIBUTION	RMT	-	524	524	79	602
84	1-Phase Import-Export Meter- 10-60 Amp.	EA	1,048		1,048	157	1,205
85	3-Phase Import-Export Meter- 10-60 Amp.	EA	2,148		2,148	322	2,470
86	3-phase Import-Export Meter- 20-100 Amp.	EA	2,561		2,561	384	2,945
87	3-phase Import-Export CTO Meter- 100/5 Amp.	EA	4,030		4,030	605	4,635
88	CT 200/5 Amp. for Import-export meter	EA	3,776		3,776	566	4,342
89	1-Phase Uni-directional Meter- 10-60 Amp.	EA	937		937	141	1,077
90	3-Phase Uni-directional Meter- 10-60 Amp.	EA	2,006		2,006	301	2,307
91	3-phase Uni-directional Meter- 20-100 Amp.	EA	2,502		2,502	375	2,877
92	3-phase Uni-directional CTO Meter- 100/5 Amp.	EA	2,596		2,596	389	2,985
93	CT 200/5 Amp. for Uni-directional meter	EA	3,275		3,275	491	3,766
94	Three Phase HT CTO 11kV 100/5A Imp-Exp M	EA	29,494		29,494	4,424	33,919

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95	END TERMINATION GIS FOR 33 KV 3C 400 SQMM AL CABLE	EA	1,08,337	19,765	1,28,102	19,215	1,47,317
96	33 KV 3C 400 SQMM AL CABLE	M	3,533	972	4,505	676	5,181
97	END TERMINATION AIS FOR 33 KV 3C 400 SQMM AL CABLE	EA	9,260	4,012	13,272	1,991	15,263
98	ST JOINT FOR 33 KV 3C 400 SQMM AL CABLE	EA	22,420	5,192	27,612	4,142	31,754
99	33 KV 3C 630 SQMM AL CABLE	M	3,451	876	4,327	649	4,976
100	END TERMINATION AIS FOR 33 KV 3C 630 SQMM AL CABLE	EA	11,564	4,413	15,977	2,397	18,374
101	ST JOINT FOR 33 KV 3C 630 SQMM AL CABLE	EA	49,649	9,440	59,089	8,863	67,952
102	END TERMINATION GIS FOR 33 KV 3C 630 SQMM AL CABLE	EA	1,08,337	19,765	1,28,102	19,215	1,47,317
103	Supply & Installation of 132kv joint for 1200 sq. mm Al Cable	EA	6,22,946	1,68,724	7,91,670	1,18,750	9,10,420
104	Supply & Installation of 132kv joint for 1600 sq. mm Cu Cable	EA	6,47,018	1,64,901	8,11,919	1,21,788	9,33,706
105	Supply & Installation of 132kv joint for 800 sq. mm Al Cable	EA	5,99,818	1,77,063	7,76,881	1,16,532	8,93,413
106	Supply & Installation of 132kv Termination 1200 sq. mm Al Cable	EA	5,57,668	2,49,059	8,06,727	1,21,009	9,27,736
107	Supply & Installation of 132kv Termination 1600 sq. mm Cu Cable	EA	6,04,868	3,33,488	9,38,356	1,40,753	10,79,109
108	Supply & Installation of 132kv Termination 800 sq. mm Al Cable	EA	5,34,068	2,86,671	8,20,739	1,23,111	9,43,850
109	Supply & Installation of S/C 132kv x 1200 x Al Cable	M	20,356	10,821	31,177	4,677	35,854
110	Supply & Installation of S/C 132kv x 1600 x Cu Cable	M	66,804	13,905	80,710	12,106	92,816
111	Supply & Installation of S/C 132kv x 800 x Al Cable	M	18,272	9,497	27,769	4,165	31,934
112	Supply & Installation of D/C 132kv x 1200 x Al Cable	M	38,262	22,068	60,330	9,050	69,380
113	Supply & Installation of D/C 132kv x 1600 x Cu Cable	M	1,31,176	20,021	1,51,197	22,680	1,73,876
114	Supply & Installation of D/C 132kv x 800 x Al Cable	M	34,099	23,785	57,884	8,683	66,567

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115	Supply & Installation of 220kv joint for 1600 sq. mm Al/CU Cable	EA	7,75,048	3,46,196	11,21,244	1,68,187	12,89,430
116	Supply & Installation of 220kv Termination 1600 sq. mm Al/CU Cable	EA	9,38,415	3,76,597	13,15,012	1,97,252	15,12,263
117	Supply & Installation of S/C 220kv x 1600 x Al Cable	M	23,124	13,118	36,243	5,436	41,679
118	Supply & Installation of D/C 220kv x 1600 x Al Cable	M	43,816	20,273	64,089	9,613	73,703
119	Supply & Installation of 33kv GIS (I/C) PNL AT HT Cust SS	EA	35,02,165	1,06,348	36,08,512	5,41,277	41,49,789
120	Supply & Installation of 33kv GIS (O/G) PNL AT HT Cust SS	EA	39,91,562	1,06,348	40,97,909	6,14,686	47,12,596
121	Road Reinstatement for EHV cable route	RMT	-	3,846	3,846	577	4,423
122	Supply & Installation of S/C 220kv x 1600 x CU Cable	M	68,360	12,274	80,634	12,095	92,729
123	Supply & Installation of D/C 220kv x 1600 x CU Cable	M	1,34,202	24,927	1,59,129	23,869	1,82,998
124	Supply & Installation of 33 KV GIS (B/C) PNL AT HT CUST SS	EA	36,74,217	1,42,633	38,16,849	5,72,527	43,89,377
125	Supply & Installation of 132 KV GIS BAY	EA	1,28,56,227	8,26,000	1,36,82,227	20,52,334	1,57,34,561
126	Supply & Installation of CRP FOR 132KV	M	26,19,425	5,65,557	31,84,983	4,77,747	36,62,730
127	Supply & Installation of GCC Cable	M	5,206	354	5,560	834	6,394

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