

## **Standard Cost Data Book 2021-22**

### **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 2021-22 is prepared and shown in Annexure A, within which serial no. 1 to 39 represent HT activities, serial no. 40 to 90 represent LT activities and serial no. 91 to 119 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	787	237	1,024	154	1,178
2	CABLE 11 KV XLPE 185 SQ.MM. / 3 CORE.-OPEN EXCAVATION	M	1,227	237	1,464	220	1,684
3	CABLE 11KV XLPE 300/3 C ALU.-OPEN EXCAVATION	M	1,585	245	1,830	275	2,105
4	CABLE 11 KV XLPE 70/3 C ALU.-Manual Drilling	M	1,132	638	1,771	266	2,036
5	CABLE 11 KV XLPE 185 SQ.MM. / 3 CORE.-Manual Drilling	M	1,572	638	2,211	332	2,542
6	CABLE 11KV XLPE 300/3 C ALU.-Manual Drilling	M	1,930	647	2,577	386	2,963
7	CABLE 11 KV XLPE 70/3 C ALU.-HDD	M	692	366	1,058	159	1,217
8	CABLE 11 KV XLPE 185 SQ.MM. / 3 CORE.-HDD	M	1,132	366	1,498	225	1,723
9	CABLE 11KV XLPE 300/3 C ALU.-HDD	M	1,490	366	1,856	278	2,134
10	JOINT 11 KV 70/3 C XLPE H S	EA	8,618	2,136	10,754	1,613	12,367
11	JOINT 11 KV 185/3 C XLPE HS	EA	9,105	2,460	11,565	1,735	13,300
12	JOINT 11 KV 300/3 C XLPE JOINT	EA	9,734	2,785	12,519	1,878	14,397
13	JOINT 11 KV 70/3 C PILC-XLPE CAB TRANS	EA	11,299	2,136	13,435	2,015	15,450
14	JOINT 11 KV 185/3 C PILC-XLPE CAB TRANS	EA	12,645	2,460	15,105	2,266	17,371
15	END TERMINATION 11 KV I/D 70/3C XLPE HS	EA	2,698	1,219	3,917	588	4,505
16	END TERMINATION 11 KV I/D 185/3C XLPE HS	EA	3,247	1,435	4,682	702	5,384
17	END TERMINATION 11KV I/D 300/3C XLPE HS	EA	3,993	1,907	5,900	885	6,785
18	RMU 11 KV NON EXTENSIBLE SF6 CGL MAKE OD	EA	2,54,303	6,848	2,61,151	39,173	3,00,323
19	RMU 11 KV NON EXTENSIBLE SF6 CGL MAKE ID	EA	2,57,274	6,848	2,64,122	39,618	3,03,740
20	RMU 11 KV - EXTENSIBLE SF6 CGL MAKE OD	EA	2,62,878	6,848	2,69,726	40,459	3,10,185
21	RMU 11 KV - EXTENSIBLE SF6 CGL MAKE ID	EA	2,80,756	6,848	2,87,604	43,141	3,30,745
22	RMU 11 KV EXTENSIBLE ABB 3 WAY O/D	EA	2,62,802	6,848	2,69,649	40,447	3,10,096
23	BREAKER 11 KV SF6 CGL MAKE OD	EA	1,85,425	6,848	1,92,273	28,841	2,21,114

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24	BREAKER 11 KV SF6 CGL MAKE ID	EA	2,01,365	6,848	2,08,212	31,232	2,39,444
25	BREAKER 11KV STANDALON OUTDOOR CGL MAKE	EA	1,91,444	6,848	1,98,291	29,744	2,28,035
26	BREAKER 11KV STANDALON INDOOR CGL MAKE	EA	1,97,851	6,848	2,04,698	30,705	2,35,403
27	BREAKER 11KV STANDALON OUTDOOR ABB MAKE	EA	1,82,278	6,848	1,89,126	28,369	2,17,495
28	BREAKER 11KV STANDALON INDOOR ABB MAKE	EA	1,65,168	6,848	1,72,016	25,802	1,97,818
29	ISOLATOR 11 KV SF6 CGL MAKE OD	EA	1,55,728	6,848	1,62,576	24,386	1,86,962
30	ABB 11KV EXT LOAD BRK SWITCH OUTDOOR C+	EA	1,36,671	6,848	1,43,519	21,528	1,65,047
31	ISOLATOR 11 KV SF6 CGL MAKE ID	EA	1,42,581	6,848	1,49,428	22,414	1,71,843
32	METERING CUBICAL 11 KV CT/ PT-CTR 25/5	EA	1,01,859	6,848	1,08,707	16,306	1,25,013
33	METERING CUBICAL 11KV CTR 100/5 ACC 0.2S	EA	1,03,808	6,848	1,10,656	16,598	1,27,254
34	METERING CUBICAL 11KV CTR 200/5 ACC 0.2S	EA	1,03,808	6,848	1,10,656	16,598	1,27,254
35	METERING CUBICAL 11KV CTR 300/5 ACC 0.2S	EA	1,03,808	6,848	1,10,656	16,598	1,27,254
36	FUSED DISTRIBUTION PILLAR FOR H.T	EA	43,458	2,524	45,982	6,897	52,880
37	MOTORIZED HT RMU 3-WAY (2 LBS + 1 BKR)	EA	6,10,581	6,848	6,17,428	92,614	7,10,042
38	ASPHALTROAD REPAIR ESTIMATE-DISTRIBUTION	RMT	-	1,101	1,101	165	1,266
39	FOOTPATH REPAIR ESTIMATE-DISTRIBUTION	RMT	-	612	612	92	704
40	CABLE 1.1 KV PVC 10/ 2C	M	119	207	325	49	374
41	CABLE 4C X 10SQMM ALU LT	M	137	207	343	52	395
42	CABLE 4C X 25 SQMM ALU ARM LT	M	207	207	414	62	476
43	4/C 70MM2, 1.1 KV XLPE ALU. CABLE	M	360	207	567	85	652
44	4/C 120MM2, 1.1 KV XLPE ALU. CABLE	M	547	219	766	115	881
45	CABLE 1.1 KV XLPE 240/ 3.5 C	M	900	219	1,120	168	1,288
46	CABLE TERMINATION 10/4C CABLE	EA	118	160	279	42	320
47	CABLE TERMINATION 25/4C CABLE	EA	153	160	313	47	360
48	CABLE TERMINATION 70/4C CABLE	EA	222	229	451	68	519

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49	CABLE TERMINATION 120/4C CABLE	EA	311	402	713	107	820
50	CABLE TERMINATION 240/3.5C CABLE	EA	558	402	961	144	1,105
51	JOINT LT SJ10	EA	1,352	624	1,977	296	2,273
52	JOINT LT SJ 11	EA	1,617	942	2,558	384	2,942
53	JOINT LT SJ 12	EA	2,537	942	3,479	522	4,000
54	JOINT LT S 2	EA	368	471	839	126	965
55	JOINT LT S 3	EA	503	471	974	146	1,120
56	JOINT LT POTEND	EA	119	382	502	75	577
57	MSP SMALL	EA	9,962	3,601	13,564	2,035	15,598
58	MSP BIG	EA	10,316	5,376	15,692	2,354	18,046
59	BIG MSP WITH FUSEBASE	EA	16,777	2,714	19,491	2,924	22,414
60	FSP FOR LT SECTION (DFSP)	EA	61,685	8,410	70,095	10,514	80,609
61	FUSEBOX 100AMPS	EA	6,662	2,115	8,776	1,316	10,093
62	FUSEBOX BUSBAR CHAMBER 100AMPS	EA	7,330	2,115	9,444	1,417	10,861
63	FUSEBOX LTSF 100 AMPS	EA	10,048	2,270	12,319	1,848	14,166
64	FUSEBOX LTSF 200 AMPS	EA	10,678	2,270	12,949	1,942	14,891
65	FUSEBOX LTSF 300 AMPS	EA	12,649	2,270	14,919	2,238	17,157
66	1-Phase Import-Export Meter- 10-60 Amp.	EA	1,468	-	1,468	220	1,688
67	3-Phase Import-Export Meter- 10-60 Amp.	EA	2,390	-	2,390	359	2,749
68	3-phase Import-Export Meter- 20-100 Amp.	EA	2,643	-	2,643	396	3,039
69	3-phase Import-Export CTO Meter- 100/5 Amp.	EA	3,186	-	3,186	478	3,664
70	CT 200/5 Amp. for Import-export meter	EA	2,714	-	2,714	407	3,121
71	1-Phase Uni-directional Meter- 10-60 Amp.	EA	1,086	-	1,086	163	1,249
72	3-Phase Uni-directional Meter- 10-60 Amp.	EA	2,000	-	2,000	300	2,300
73	3-phase Uni-directional Meter- 20-100 Amp.	EA	2,407	-	2,407	361	2,768

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74	125A LT SWITCH FUSE UNIT	EA	17,719	2,270	19,990	2,998	22,988
75	250 A SWITCH WITH BUSBAR FOR 50A RULE	EA	21,028	2,270	23,298	3,495	26,793
76	400 A SWITCH WITH BUSBAR FOR 50A RULE	EA	24,692	2,270	26,962	4,044	31,007
77	METERBOX SINGLE PHASE SMALL	EA	664	341	1,005	151	1,156
78	METERBOX THREE PHASE SMALL	EA	1,371	491	1,862	279	2,141
79	METERBOX THREE PHASE MOTIVE POWER	EA	4,668	1,075	5,743	861	6,604
80	METERBOX LTMD	EA	9,775	1,317	11,092	1,664	12,756
81	METERBOX THREE PHASE MOTIVE POWER (For 1-ph Revamping)	EA	2,545	706	3,250	488	3,738
82	CABLE TERMINATION 10/2C CABLE WITH DC GLAND	EA	160	160	320	48	368
83	CABLE TERMINATION 10/4C CABLE WITH DC GLAND	EA	157	160	318	48	365
84	CABLE TERMINATION 25/4C CABLE WITH DC GLAND	EA	270	160	431	65	495
85	CABLE TERMINATION 70/4C CABLE WITH DC GLAND	EA	383	229	612	92	704
86	CABLE TERMINATION 120/4C CABLE WITH DC GLAND	EA	575	402	977	147	1,124
87	CABLE TERMINATION 240/3.5C CABLE WITH DC GLAND	EA	908	402	1,311	197	1,507
88	SMC distribution box	EA	3,744	468	4,212	632	4,844
89	ASPHALTROAD REPAIR ESTIMATE-DISTRIBUTION	RMT	-	1,101	1,101	165	1,266
90	FOOTPATH REPAIR ESTIMATE-DISTRIBUTION	RMT	-	612	612	92	704
91	END TERMINATION GIS FOR 33 KV 3C 400 SQMM AL CABLE	EA	82,600	18,880	1,01,480	15,222	1,16,702
92	33 KV 3C 400 SQMM AL CABLE	M	2,920	573	3,493	524	4,017
93	END TERMINATION AIS FOR 33 KV 3C 400 SQMM AL CABLE	EA	9,260	4,012	13,272	1,991	15,263
94	ST JOINT FOR 33 KV 3C 400 SQMM AL CABLE	EA	22,420	4,130	26,550	3,983	30,533
95	33 KV 3C 630 SQMM AL CABLE	M	3,438	645	4,082	612	4,694
96	END TERMINATION AIS FOR 33 KV 3C 630 SQMM AL CABLE	EA	11,564	4,413	15,977	2,397	18,374
97	ST JOINT FOR 33 KV 3C 630 SQMM AL CABLE	EA	60,685	5,487	66,172	9,926	76,098
98	END TERMINATION GIS FOR 33 KV 3C 630 SQMM AL CABLE	EA	82,600	18,880	1,01,480	15,222	1,16,702

Sr. No.	Activity Description	UoM	Material Cost (Rs.)	Labour Cost (Rs.)	Sub Total (Rs.)	Supervision Charges @15% (Rs.)	Standard Cost With 15% Supervision (Rs.)
99	Supply & Installation of 132kv joint for 1200 sq. mm Al Cable	EA	8,01,250	1,58,989	9,60,240	1,44,036	11,04,275
100	Supply & Installation of 132kv joint for 1600 sq. mm Cu Cable	EA	7,52,480	1,75,899	9,28,378	1,39,257	10,67,635
101	Supply & Installation of 132kv joint for 800 sq. mm Al Cable	EA	7,34,780	1,53,479	8,88,258	1,33,239	10,21,497
102	Supply & Installation of 132kv Termination 1200 sq. mm Al Cable	EA	5,71,455	1,62,642	7,34,097	1,10,115	8,44,212
103	Supply & Installation of 132kv Termination 1600 sq. mm Cu Cable	EA	5,97,427	1,80,897	7,78,324	1,16,749	8,95,072
104	Supply & Installation of 132kv Termination 800 sq. mm Al Cable	EA	5,56,304	1,60,837	7,17,141	1,07,571	8,24,712
105	Supply & Installation of S/C 132kv x 1200 x Al Cable	M	18,353	11,299	29,652	4,448	34,100
106	Supply & Installation of S/C 132kv x 1600 x Cu Cable	M	60,819	12,458	73,277	10,992	84,269
107	Supply & Installation of S/C 132kv x 800 x Al Cable	M	17,122	8,758	25,879	3,882	29,761
108	Supply & Installation of D/C 132kv x 1200 x Al Cable	M	34,226	14,886	49,112	7,367	56,479
109	Supply & Installation of D/C 132kv x 1600 x Cu Cable	M	1,19,181	15,040	1,34,222	20,133	1,54,355
110	Supply & Installation of D/C 132kv x 800 x Al Cable	M	31,786	14,706	46,493	6,974	53,467
111	Supply & Installation of 220kv joint for 1600 sq. mm Al Cable	EA	8,51,010	3,10,128	11,61,137	1,74,171	13,35,308
112	Supply & Installation of 220kv Termination 1600 sq. mm Al/CU Cable	EA	8,90,865	3,57,429	12,48,294	1,87,244	14,35,539
113	Supply & Installation of S/C 220kv x 1600 x Al Cable	M	22,751	11,442	34,193	5,129	39,322
114	Supply & Installation of D/C 220kv x 1600 x Al Cable	M	43,065	16,603	59,667	8,950	68,617
115	Supply & Installation of 33kv GIS (I/C) PNL AT HT Cust SS	EA	23,79,073	1,01,185	24,80,258	3,72,039	28,52,297
116	Supply & Installation of 33kv GIS (O/G) PNL AT HT Cust SS	EA	20,80,151	1,01,185	21,81,336	3,27,200	25,08,536
117	Road Reinstatement for EHV cable route	RMT	-	3,099	3,099	465	3,564
118	Supply & Installation of S/C 220kv x 1600 x CU Cable	M	49,371	12,957	62,328	9,349	71,677
119	Supply & Installation of D/C 220kv x 1600 x CU Cable	M	96,305	21,479	1,17,784	17,668	1,35,451

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