



ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION

Vidyut Niyantana Bhavan, 220/132/33/11 kV AP Carbides SS
Dinnedevarapadu Road, Kurnool, Andhra Pradesh

ABSTRACT

APERC - Cost Data of materials (centralised procurement) for Distribution works for the FY 2025-26- Approval - Accorded

Proc.No.APERC/Engg/AD(Tr)/42/2025

Date: 17.02.2025

Read the following:

- (1) Lr.No. APERC/DD(Engg)/Tr1012/D.No.01/2025,dt01.01.2025
- (2) Lr.No.CMD/CGM/O&M/VJA/EE/Dy.EE/D.No.340/24dt.07.02.2025

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- (1) Clause 9 of Regulation 4 of 2013 (Licensees' Duty for Supply of Electricity on Request and Recovery of Expenses for Providing Electric Line and Electrical Plant) reads as follows:
 - (i) *The Distribution/Transmission Licensee shall submit the schedule of rates to the Commission for approval on an annual basis and publish the cost data book by 1st April of the year, which shall be the basis of making the initial estimate for erection of electric line or plant in order to extend supply to the applicant.*
 - (ii) *The Distribution/Transmission Licensee shall make available copies of the cost data book to the general public on demand at a reasonable charge and also update in their websites.*
- (2) Vide para 117 of the order dated 27-06-2024 on Load Forecast and Resource plans for the 5th control period FY 2024-25 to 2028-29, the Distribution Licensees have been directed to submit the Cost Data annually on or before the 31st December for the succeeding financial year and obtain the approval of the Commission.
- (3) During public hearings held in January 2025, the stakeholders pointed out that the Cost data rates are not uniform among the DISCOMs and that the DISCOMs have adopted abnormal rates while procuring the materials.
- (4) As per the Regulation and directives of APERC, the CMD/APCPDCL has submitted the draft Cost data FY 2025-26 vide ref 2nd cited for approval of the Commission. Based on the material available on records, the proposals submitted by APCPDCL have been carefully compared with the rates of neighbouring States' DISCOMS, that of the manufacturers and rates in the local market duly applying the escalation factor to account for CPI & WPI wherever required.

(5) After careful consideration, the Commission accords approval for the Cost Data for the materials of centralised procurement for Distribution Works for the FY 2025-26. This Cost data applies to all three APDISCOMS. However, the following points should be considered in addition to the approved cost data.

- (i) The approved rates of all the materials are exclusive of GST
- (ii) One 11 kV feeder with 5-star/2-star DTRs shall be erected on a pilot basis in each Discom to analyse cost-benefit and ascertain the energy savings. A report in this regard shall be submitted to the Commission.
- (iii) In view of the high cost of the PMA breakers, conventional Breakers for 33kV and 11kV may be proposed for future projects. However, the performance of PMA breakers may be observed and justified. A report to that extent shall be submitted to the Commission.
- (iv) The Erection of the 33 kV line shall be as per the guidelines issued during the review meeting held on 23-02-2024 by the Hon'ble Commission at Vijayawada, duly taking the work with the standard specified poles (9.1Mts PSCC/11Mts PSCC or Spun/12.5/15 Mts Spun poles) based on the local geographical conditions. If Towers are required to be erected at any location/s, approval of the CMD is necessary based on the inspection of the concerned SE(Operation).
- (v) No Tower shall be proposed without proper justification.

(6) The DISCOMs are directed to publish the Cost Data on their websites by 1 April 2025 which will be applicable for FY 2025-26. This data shall serve as the basis for preparing an initial estimate for the erection of an electric line or plant.

(7) The directions in this Order shall be complied with scrupulously and any deviation will be viewed seriously.

(By order of the Hon'ble Commission)

Encl: Cost Data Approved by the Commission

Yours faithfully,


Commission Secretary_(i/c)

To

The Chairman & Managing Director/APCPDCL/Vijayawada
The Chairman & Managing Director/APEPDCL/Visakhapatnam
The Chairman & Managing Director/APSPDCL/Tirupathi

Copy to

The Chairman & Managing Director/APTRANSCO/Vijayawada

Cost Data of materials (centralised procurement) for Distribution works for the FY 2025-26

Sl.No	Item SL NO	SAP Material code	Description of materials	UNIT	APERC Approved rates exclusive of GST
			1) SUPPORTS AND FIXTURES, IRON, STEEL AND CEMENT		
			<u>1.A) RS JOISTS</u>		
1	1	MST00032	RS JOIST 175X85MM	MT	60478
2	2	MST00029	RS JOIST 150X150MM	MT	60478
3	3	MST00030	RS JOIST 150X75MM	MT	60478
4	4	MST00037	RS JOIST 175 X 50 MM	MT	60478
			<u>1.B) PSCC POLES</u>		
5	1	PLS00014	PSCC SPUN POLES 12.5 MTS	EA	14794
6	2	PLS00007	PSCC SPUN POLES 11 MTS	EA	12680
7	3	PLS00015	PSCC Poles 11.0MTS	EA	5467
8	4	PLS00004	PSCC POLES 9.1 MTS 280KGS	EA	3292
9	5	PLS00002	PSCC POLES 8 MTS 200KGS	EA	2180
10	6	PLS00001	PSCC POLES 8 MTS 140 KGS	EA	1670
11	7	PLS00010	RCC FENCING POLES 3 MTS	EA	370
12	8	PLS00009	RCC FENCING POLES 2 MTS	EA	143
13	9	PLS00011	RCC BASE PLATES	EA	86
			<u>1.C) STEEL MATERIALS</u>		
14	1	MST00012	MS CHANNEL 100X50	MT	57857
15	2	MST00013	MS CHANNEL 75X40	MT	58914
16	3	MST00011	MS CHANNEL 150X75	MT	59083
17	4	MST00003	MS ANGLE 65X65X6	MT	61028
18	5	MST00002	MS ANGLE 50X50X6	MT	59654
19	6	MST00009	MS ANGLE 130X130X12	MT	59083

20	7	MST00015	MS FLAT 75X8	MT	62957
21	8	MST00014	MS FLAT 50X6	MT	62957
22	9	MST00019	MS ROD 20MM	MT	59083
23	10	MST00018	MS ROD 16MM	MT	59083
			<u>1.D) STEEL WIRE</u>		
24	1	WRS00006	GI STAYWIRE 7/3.15MM (10 SWG)	MT	78809
25	2	WRS00007	GI STAYWIRE 7/2.5MM (12 SWG)	MT	80599
26	3	WRS00005	G.I. WIRE 4MM (NO.8)	MT	75074
			GI FLAT	MT	85253
			<u>1.E) BOLTS AND NUTS</u>		
27	1	BNT00028	MS BOLTS & NUTS 5/8" X 6"	MT	85170
28	2	BNT00031	MS BOLTS & NUTS 5/8" X 9"	MT	85170
29	3	BNT00025	MS BOLTS & NUTS 5/8" X 3"	MT	77382
30	4	BNT00026	MS BOLTS & NUTS 5/8" X 4"	MT	87509
31	5	BNT00030	MS BOLTS & NUTS 5/8" X 8"	MT	85170
			<u>1.F) CEMENT</u>		
32	1	CEM00004	OP CEMENT 53 GRADE FOR POLES	MT	7852
			2) INSULATORS AND HARDWARE		
			<u>2.A) 33 KV</u>		
33	1	INS30002	33KV SOLID CORE INSULATORS	EA	1484
34	2	INS30004	33KV 70KN COMPOSITE POLYMER INSULATOR	EA	473
35	3	INS30003	33KV POST TYPE INSULATORS	EA	804
36	5	INS30006	33KV 70KN DISC INSULATORS(PORCELIAN)	EA	329
37	6	INS30007	33KV PIN INSULATORS (Polymer) with GI pin	EA	624
38	7	INS30001	33KV PIN INSULATORS(PORCELIAN)	EA	260
39	8	HWR00003	33KV GI PINS	EA	155

40	9	HWR00004	33KV METAL PARTS (B&S)	SET	185
			<u>2.B) 11 KV</u>		
41	1	INS10006	11KV SOLID CORE INSULATORS FOR AB SWITCH (Polymer)	EA	251
42	2	INS10007	11KV SOLID CORE INSULATORS FOR HG FUSES (Polymer)	EA	117
43	3	INS10003	11KV POLYMER DISC INSULATORS (C&T)	EA	175
44	4	INS10008	11KV POST TYPE INSULATORS	EA	249
45	5	INS10004	11KV DISC INSULATORS (B&S) PORCELAIN	EA	278
46	6	INS10002	11KV DISC INSULATORS (C&T) PORCELAIN	EA	176
47	7	INS10012	11KV PIN INSULATORS WITH GI PIN (Polymer)	EA	153
48	8	INS10001	11KV PIN INSULATORS (PORCELAIN)	EA	41
49	9	HWR00001	11KV GI PINS	EA	59
50	10	HWR00002	11KV METAL PARTS (C&T)	SET	110
51	11	INS10005	11KV GUY INSULATORS (HT)	EA	46
			<u>2.C) LT</u>		
52	1	INS00001	LT PIN INSULATORS	EA	31
53	2	HWR00015	LT GI PINS	EA	35
54	3	INS00002	LT SHACKLES	EA	30
55	4	HWR00016	LT METAL PARTS	SET	43
56	5	INS00003	LT GUY INSULATORS	EA	19
			3) CROSS ARMS		
			<u>3.A) 33 KV CROSS ARMS AND TOP FITTINGS</u>		
57	1	FBE00026	33KV TAPING CHANNEL X ARMS (100x50MM)	EA	1536
58	2	FBE30003	33KV V CROSS ARMS WITH CLAMPs (100x50 MM channel)	EA	1893
59	3	FBE30004	33KV V CROSS ARMS WITHOUT CLAMPS	EA	1583
60	4	FBE30018	33KV CHANNEL V X ARM _s FOR SPUN POLE WITH CLAMPs	EA	1893
61	5	FBE30006	33KV TOP CLEAT WITH CLAMPs	EA	506

			<u>3.B) 11KV CROSS ARMS AND TOP FITTINGS</u>		
62	1	FBE10033	11KV TAPPING X ARM W 100X50MM MS CHANNEL	EA	737
63	2	FBE10003	11KV VCROSS ARMS WITH CLAMPS 200KG	EA	793
64	3	FBE10016	11KV V 'X' ARM(75X40) WITH CLAMP FOR 9.1	EA	793
65	4	FBE10028	11KV ANGLE V-X ARM WITH CLAMP 140 KG	EA	605
66	5	FBE10034	11KV ANGLE V-X ARM WITH CLAMP 200 KG	EA	615
67	6	FBE00025	11 KV SIDE ARM WITH STUTT	EA	1599
68	7	FBE10007	11KV TOP CLEAT WITH CLAMPS For 8.0	EA	260
69	8	FBE10021	11KV TOP CLEAT WITH CLAMPS FOR 9.1	EA	317
			<u>3.C) LT CROSS ARMS</u>		
70	1	FBE00008	LT 3 PH. 5 WIRE CROSS ARMS WITH CLAMP	EA	606
71	2	FBE00020	LT 3PH 4 WIRE X ARMS WITHOUT CLAMP	EA	383
72	3	FBE00007	LT 3 PH 4WIRE CROSS ARM & CLAMP (200KG)	EA	570
73	4	FBE00009	LT 3 PH 4WIRE CROSS ARM & CLAMP (140KG)	EA	393
74	5	FBE00030	LT 3PH ANGLE X-ARM W CLAMP[50X50X6] 140KG	EA	257
75	6	FBE00036	LT 3PH SIDE ARMS WITH STUTT	SET	1791
76	7	FBE00034	LT 1 PH. 3 WIRE CROSS ARM WITHOUT CLAMP	EA	339
77	8	FBE00006	LT 1 PH. 3 WIRE CROSS ARM WITH CLAMP	EA	380
78	9	FBE00033	LT 1 PH. 2 WIRE CROSS ARMS W/O CLAMP	EA	218
			<u>3.D) BACK CLAMPS</u>		
79	1	FBE30001	33KV M.S.BACK CLAMPS	EA	176
80	2	FBE30024	33KV M.S.BACK CLAMPS FOR SPUN POLES	EA	237
81	3	FBE00002	M.S.BACK CLAMPS FOR 9.1 M PSCC POLE	EA	113
82	4	FBE00001	M.S.BACK CLAMPS FOR 8 MPSCC POLES 200KG	EA	68
83	5	FBE00038	MS STAY CLAMP FOR 140 KG POLE	EA	82
84	6	FBE00021	POLE MOUNTING CLAMPS	EA	47

			<u>3.E) STAY SETS</u>		
85	1	FBE30008	33KV MS STAY SETS WITH BASE PLATE	EA	1136
86	2	FBE10022	11KV MS STAY SET WITH CLAMPS	EA	513
87	3	FBE00004	M.S.STAY CLAMPS FOR 9.1 M PSCC POLE	EA	237
88	4	FBE00028	M.S.STAYSET WITH CLAMPS FOR 8M PSCCPOLES	EA	363
89	5	FBE00003	M.S.STAY CLAMPS FOR 8 MPSCC POLES (SET)	EA	92
			<u>3.F) DP STRUCTURE MATERIALS</u>		
90	1	FBG00032	DP STRUCTURE TOTAL SET	SET	4456
91	2	FBG00010, FBG00018	POLE MOUNT ARGMT FOR 16/25KVADTR(CHANEL)	EA	2293
92	3	FBE00044	MOUNTING ARRANGEMENT FOR 1PH DTR	SET	643
			4) CONDUCTORS		
93	1	CDR00004	AAA CONDUCTOR 100 SQ. MM(7/4.26) DOG	KM	79712
94	2	CDR00003	AAA CONDUCTOR 55 SQ. MM(7/3.15) RABBIT	KM	44993
95	3	CDR00002	AAA CONDUCTOR 34 SQ. MM(7/2.5) WEASEL	KM	22639
96	4	CDR00010	ACSR CONDUCTOR PANTHER 200 Sq.mm	KM	174822
97	5	CDR00015	ACSR WOLF CONDUCTOR (30+7/2.59) 150 SqMM	KM	130772
			5) CABLES		
			<u>5.A) 33 KV XLPE POWER CABLES</u>		
98	1	CBX30001	33KV XLPE CABLE 3 CORE 400 SQ. MM	M	2338
99	2	CBX30004	33KV XLPE CABLE 3 CORE 300 SQ. MM	M	1869
			<u>5.B) 11 KV XLPE POWER CABLES</u>		
100	1	CBX10008	11KV XLPE CABLE 3 CORE 300 SQ. MM	M	1276
101	2	CBX10007	11KV XLPE CABLE 3 CORE 185 SQ. MM	M	1020
102	3	CBX10006	11KV XLPE CABLE 3 CORE 120 SQ. MM	M	698
103	4	CBX10005	11KV XLPE CABLE 3 CORE 95 SQ. MM	M	682
104	5	CBX10014	11KV XLPE CABLE 3 CORE 50 SQ. MM	M	574

105	6	CBX10002	11KV XLPE CABLE 3 CORE 35 SQ. MM	M	469
			<u>5.E) LT XLPE 1 CORE CABLES</u>		
106	1	CBX00028	LT XLPE CABLE SINGLE CORE 50 SQ. MM	M	31
107	2	CBX00002	LT XLPE CABLE SINGLE CORE 70 SQ. MM	M	55
108	3	CBX00003	LT XLPE Cable SINGLE Core 95 Sq. mm	M	78
109	4	CBX00023	LT XLPE CABLE SINGLE CORE 120 SQMM	M	119
110	5	CBX00024	LT XLPE CABLE SINGLE CORE 150 SQMM	M	145
			<u>5.F) LT XLPE 3 1/2 CORE CABLES</u>		
111	1	CBX00015	LT XLPE CABLE 3 1/2 CORE 185 SQ. MM	M	374
112	2	CBX00014	LT XLPE CABLE 3 1/2 CORE 120 SQ. MM	M	281
113	3	CBX00013	LT XLPE CABLE 3 1/2 CORE 95 SQ. MM	M	228
114	4	CBX00012	LT XLPE CABLE 3 1/2 CORE 70 SQ. MM	M	216
			<u>5.H) LT CONTROL CABLES</u>		
115	1	CBP00006	LT PVC CU CONTR CABLE 10 CORE 2.5 SQ. MM	M	224
116	2	CBP00002	LT PVC CU CONTR CABLE 4 CORE 2.5 SQ. MM	M	90
117	3	CBP00001	LT PVC CU CONTR CABLE 2 CORE 2.5 SQ. MM	M	53
			<u>5.I) LT AERIAL BUNCHED CABLES</u>		
118	1	CBX00026	LT AB Cable XPLE 2C X 16+25 Sq. mm	M	50
119	2	CBX00027	LT AB Cable XPLE 3C X 16+25 Sq. mm	M	59
120	3	CBX00043	LT AB Cable XLPE 3C X 25+25 Sq. mm	M	88
			<u>5.J) LT AERIAL BUNCHED CABLE FITTINGS</u>		
121	1	HWR00012	HARDWARE FOR SUSPENSION CLAMPS(EYEHOOKS)	EA	157
122	2	SCB00058	LT CONNECTOR FOR AB CABLE WTH Insulation	EA	78
123	3	HWR00009	DEAD END CLAMPS WITH EYE HOOK	EA	129
			<u>5.K) CABLE JOINTING KITS</u>		
124	1	SCB00069	33KV 3X400 XLPE UG CABLE ST TH JOINT KIT	EA	18768

125	2	SCB00061	33KV XLPE CABLE JOINTING KIT 3X400SQMM	EA	12960
126	3	SCB00027	11KV HEAT SHRKABL JOIT.KIT FOR 3X300SQMM	EA	4369
127	4	SCB00055	11KV CABLE JOINTING KITS 3X185 SQ.MM	EA	3320
128	5	SCB00025	11KV CABLE JOINTING KIT 3X35SQMM OUTDOOR	EA	831
129	6	SCB10068	33KV 3C X 400 SQMM HEAT SHRINKABLE END TERMINATION KIT INDOOR TYPE	EA	4547
130	7	SCB10053	33KV 3C X 300 SQMM HEAT SHRINKABLE END TERMINATION KIT OUTDOOR TYPE	EA	5175
131	8	SCB10063	33KV 3C X 185 SQMM HEAT SHRINKABLE STRAIGHT THROUGH JOINTING KIT	EA	22265
132	9	SCB10028	33KV 3C X 185 SQMM HEAT SHRINKABLE END TERMINATION KIT OUTDOOR TYPE	EA	3872
133	10	SCB10054	33KV 3C X 185 SQMM HEAT SHRINKABLE END TERMINATION KIT INDOOR TYPE	EA	3426
134	11	SCB10057	11KV 3C X 300 SQMM HEAT SHRINKABLE END TERMINATION KIT OUTDOOR TYPE	EA	1772
135	12	SCB10058	11KV 3C X 300 SQMM HEAT SHRINKABLE END TERMINATION KIT INDOOR TYPE	EA	1567
136	13	SCB10044	11KV 3C X 185 SQMM HEAT SHRINKABLE STRAIGHT THROUGH JOINTING KIT	EA	3948
137	14	SCB10042	11KV 3C X 185 SQMM HEAT SHRINKABLE END TERMINATION KIT OUTDOOR TYPE	EA	1486
138	15	SCB10047	11KV 3C X 185 SQMM HEAT SHRINKABLE END TERMINATION KIT INDOOR TYPE	EA	1361
139	16	SCB10065	11KV 3C X 95 SQMM HEAT SHRINKABLE STRAIGHT THROUGH JOINTING KIT	EA	3813
140	17	SCB10012	11KV 3C X 95 SQMM HEAT SHRINKABLE END TERMINATION KIT OUTDOOR TYPE	EA	1361
141	18	SCB10060	11KV 3C X 95 SQMM HEAT SHRINKABLE END TERMINATION KIT INDOOR TYPE	EA	1232
142	19	SCB10003	11KV 3C X 50 SQMM HEAT SHRINKABLE END TERMINATION KIT OUTDOOR TYPE	EA	1174

143	20	SCB10005	11KV 3C X 50 SQMM HEAT SHRINKABLE END TERMINATION KIT INDOOR TYPE	EA	987
		6) POWER TRANSFORMERS, CAPACITORS AND TRASFORMER OIL			
144	1	PTR00018	33/11 KV 12.5MVA POWER TRANSFORMER	EA	10087112
145	2	PTR00009	33/11 KV 10MVA POWER TRANSFORMER	EA	8893500
146	3	PTR00008	33/11 KV 8MVA POWER TRANSFORMER	EA	6537925
147	4	PTR00006	33/11 KV 5MVA POWER TRANSFORMER	EA	5913268
148	5	PTR00005	33/11 KV 3.15MVA POWER TRANSFORMER	EA	3241568
149	7	CPT10025	220.4 KVAR, 7.3KV Ins level 28/75 KV dielectric poly propylene film capacitor bank cell	EA	14407
150	8	CPT10027	440.7KVAR, 7.3KV Ins Level 28/75 Kv (P), Dielectric Polypropylene film (Film + Foil Design) Capacitor Bank Cells	EA	24692
151	10	CPT10047	110KVAR, 7.3KV Ins Level 28/75 Kv (P), Dielectric Polypropylene film (Film + Foil Design) Capacitor Bank Cells	EA	8234
152	11	CPT10048	11KV 2MVAR Capacitor Banks with Associated Equipments with auto switch mode	EA	648061
153	12	OFO10009	TRANSFORMER OIL (with Drums)	L	94
		7) DISTRIBUTION TRANSFORMERS			
			<u>7.A) 3PH DTRs</u>		
154	1	DTC30144	3PH 1000KVA Conv CU Wound DTR (EEL-2)	EA	1610105
155	2	DTC30134	3-PH 500KVA DTR CRGO Conventional	EA	1219897
156	3	DTC30142	3PH 315 KVA DTR (EEL-3)	EA	1103789
157	4		3PH 315 KVA DTR COPPER BIS EEL-2 2-STAR	EA	974683
158	5		3PH 315 KVA DTR COPPER BIS EEL-5 (5-STAR)	EA	1103789
159	6	DTC30127	3PH 160 KVA CSP (AL) DTR BIS EEL-2 2-star	EA	313259
160	7		3PH 160 KVA CSP (AL) DTR BIS EEL-5 (5-star)	EA	359084
161	8	DTC30122	3PH 100 KVA CSP (AL) DTR BIS EEL-2 2-star	EA	144328
162	9		3PH 100 KVA CSP (AL) DTR BIS EEL-5 (5-star)	EA	209915

163	10	DTC30129	3PH 63 KVA CSP (AL) DTR BIS EEL-2 2-star	EA	107392
164	11		3PH 63 KVA CSP (AL) DTR BIS EEL-5 (5-star)	EA	172646
165	12	DTC30130	3PH 40 KVA DTR AMARPHOUS CONV BEE 5* RATING	EA	159052
166	13	DTC30123	3PH 25 KVA (AL) DTR BIS EEL-2 2-Star	EA	67573
167	14		3PH 25 KVA (AL) DTR BIS EEL-5 (5-star)	EA	100246
168	15	DTC10107	1PH 16 KVA DTR EEL-2 , 2-Star	EA	51485
		8) SWITCH CONTROL AND PROTECTIVE GEAR		EA	
			<u>8.A) CIRCUIT BREAKERS AND RELAYS</u>		
169	1	BRK30003	33KV VCB W/O CT'S&CONTROL PANEL(24V DC)	EA	312575
170	2	BRK30060	33KV 24V DC PMA Type Outdoor feeder VCB	EA	358010
171	3	BRK30061	33KV 24V DC HV PMA Type Outdoor feeder VCB with diff.	EA	423381
172	4	BRK30005	33 KV 220V DC 1600A feeder VCB without CRPs & CTs of ratio 400-200-100/1-1-1A	EA	285974
173	5	BRK30020	33 KV 24V DC HV VCB with CRPs & CTs 400-200-100/1-1-1A	EA	354075
174	6	BRK30002	33 KV 24V DC VCB with CRPs & CTs ratio 400-200-100/1-1A	EA	421399
175	7	BRK10002	11KV FEEDER VCB with CTs and Control panels	EA	280544
176	8	BRK10031	11KV 24V DC PMA Type Outdoor feeder VCB	EA	315660
177	9	BRK10032	11KV 24V DC LV PMA Type Outdoor VCB	EA	341070
178	10	BRK10004	11KV LV VCB with CTs and Control panels	EA	307889
			<u>8.B) SWITCH GEAR ACCOSSORIES</u>		
179	1	BRK30012	33KV INDOOR CONTROL PANEL	EA	52452
180	2	BRK00002	11KV RING MAIN UNITS 5 WAY	EA	729441

181	3	BRK10012	11KV FEEDER CONTROL RELAY PANEL	EA	45356
182	4	SBR00209	4 POLE IDMTL O/C RELAY (INST.TRIP) 1/5A	EA	29574
183	5	SBR30114	33KV POLE ASSEMBLY WTH VACUUM INTERRUPTER	EA	50947
184	6	SBR30002	33KV VACCUM INTRUPTER	EA	45104
185	7	SBR00383	Retrofit Trickle Charger	EA	2232
186	8	SBR10084	11KV POLE ASSEMBLY WTH VACUUM INTERRUPTER	EA	28947
187	9	SBR10004	11KV VACUUM INTERRUPTER	EA	11066
188	10	SBR10113	RETROFIT MECHANISM FOR 11KV VCB	EA	60376
		9) CURRENT TRANSFORMERS			
			<u>9.A) 33 KV CTs</u>	EA	
189	1	ITR30034	33KV CT'S 400-200-100/1-1-1A	EA	33342
190	2	ITR30035	33KV CT'S 400-200-100/1-1A	EA	28072
191	3	ITR30071	33KV METERING CT'S 25/1A 0.2s CL	EA	15383
192	4	ITR30072	33KV METERING CT'S 50/1A 0.2s CL	EA	16079
193	5	ITR30074	33KV METERING CT'S 100/1A 0.2S CLASS	EA	21404
194	6	ITR30079	33 KV INDOOR EPOXY RESIN CAST CT	EA	24627
195	7	ITR30080	33KV CTs 200/1A CLASS 0.2S ACCURACY	EA	20907
196	8	ITR30104	33KV METRNG CT 150/1A CLASS 0.2S ACCURACY	EA	18049
			<u>9.B) 33 KV PTs</u>		
197	1	ITR30012	33KV 1PH P.T.S 100VA BURDEN CLASS 0.2	EA	19433
198	2	ITR30015	33KV 1PH P.T.S 110V, 10VA BURDEN 0.2 class	EA	23226
			<u>9.C) 11 KV CTs</u>		
199	1	ITR10005	11 KV CT 200-100/1-1A (METERING CORE)	EA	10018
200	2	ITR10010	11 KV CT 50-100/1A	EA	9305
201	3	ITR10014	11KV CT 600-300/1-1-1 A CL 0.2S	EA	17770
202	4	ITR10075	11KV CTS OF RATIO 600-300/1-1-0.5775A	EA	17511

203	5	ITR10055	11KV CT'S 400-200-100/1-1A	EA	21372
204	6	ITR10057	11KV CT'S 600-300-150/1-1-0.5775A	EA	17251
			<u>9.D) 11 KV PTs</u>		
205	1	ITR10020	11 KV 3 Ph PTs with 50VA Burden 0.2 Class accuracy	EA	18414
			<u>9.E) 11 KV CTPT sets</u>		
206	1	ITR10032	11KV C.T.P.T. SET 75/5A, 0.2s	EA	61405
207	2	ITR10029	11KV C.T.P.T. SET 60/5A, 0.2s	EA	61050
208	3	ITR10028	11KV C.T.P.T. SET 40/5A, 0.2s	EA	53377
209	4	ITR10026	11KV C.T.P.T. SET 20/5A, 0.2s	EA	54801
210	5	ITR10025	11KV C.T.P.T. SET 10/5A, 0.2s	EA	57773
211	6	ITR10083	11KV C.T.P.T. SET 5/5A, 0.2s	EA	55828
212	7	ITR10035	11KV BOTH SIDE CABLE ENTRY INDOOR 10/5A, 0.2s	EA	65968
213	8	ITR10036	11KV BOTH SIDE CABLE ENTRY INDOOR 20/5A,0.2s	EA	68083
214	9	ITR10112	11KV BOTH SIDE CABLE ENTRY INDOOR 40/5A,0.2s	EA	68083
215	10	ITR30102	11 KV, 20/5A NEUTRAL CURRENT TRANSFORMER	EA	54182
216	11	ITR30103	11 KV/110V RESIDUAL VOLTAGE TRANSFORMER	EA	54182
			10) AB SWITCHES		
			<u>10.A) 33 KV</u>		
217	1	ABS30010	33KV 800A CONV. AB SWITCH WITH S.C.I	EA	39468
218	2	ABS30002	33KV 400A AB SWITCH WITH INSULATORS	EA	24443
			<u>10.B) 11KV</u>		
219	1	ABS10015	11KV 800A CONV. AB SWITCH WITH P.T.I	EA	20326
220	2	ABS10008	11KV 400A CONV AB SWITCH WITH P.T.I	EA	10287
221	3	ABS10002	11KV 200A TT AB SWITCH WITH INSULATORS	EA	8938
222	4	ABS10004	11KV 200A CONV AB SWITCH WITH P.T.I	EA	8524

223	5	SAB00002	NYLON BUSH FOR TT AB SWITCH	Nos.	47
224	6	SAB10002	11KV 200A CONV. AB SWITCH FIXED CONTACTS	Nos.	227
225	7	SAB10003	11KV 200A CONV. AB SWITCH MOVING CONTACT	Nos.	727
226	8	SAB10005	11KV 200A TT AB SWITCH FIXED CONTACTS	Nos.	381
227	9	SAB10006	11KV 200A TT AB SWITCH MOVING CONTACTS	Nos.	317
228	10	SAB10008	11KV 400A CONV. AB SWITCH FIXED CONTACTS	Nos.	648
229	11	SAB10009	11KV 400A CONV. AB SWITCH MOVING CONTACT	Nos.	386
230	12	SAB10013	11KV BRASS FLEXIBLE JUMPER FOR TT A.B.S	Nos.	166
231	13	SAB10022	11KV 200A Conv.ABS Coper Flexible Jumper	Nos.	112
232	14	SAB30012	11KV 400A Conv.AB switch Flexible Jumper	Nos.	261
		11) LIGHTNING ARRESTORS			
233	1	LAS00004	33KV LIGHTNING ARRESTORS STATION TYPE	EA	3739
234	2	LAS00002	11KV LIGHTNING ARRESTORS STATION TYPE	EA	1367
235	3	LAS00001	11KV LIGHTNING ARRESTORS LINE TYPE	EA	331
236	4	LAS00010	9KV,5KA Polymeric LAS(Line Type)	Nos.	538
237	5	LAS00011	9KV,10KA Polymeric LAS (Station Type)	Nos.	1094
238	6	LAS00012	30KV,10KA Polymeric LAS(Line Type)	Nos.	2837
239	7	LAS00013	30KV,10KA Polymeric LAS(Station Type)	Nos.	4729
		12) HG FUSE SET			
240	1	HGF30000	33KV 3Ph HG FUSE SETs	EA	6436
241	2	HGF10002	11KV 3 Ph HG FUSE SETS	EA	2085
242	3	HGF10004	11KV 1Ph HG FUSE SET WITH INSULATORS	EA	874
243	4	HGF10008	11KV3Ph HG FuseSets with PolymerType Ins	EA	4607
244	5	HGF00011	6.3KV 1-Ph HG Fuse Sets	EA	870
245	6	HGF00008	LT 3PH HG FUSE SET WITH SCI	EA	1754
246	7	HGF00006	LT 1-PH HG FUSE SET	EA	693

		13) BATTERIES & CHARGERS			
			<u>13.A) BATTERIES</u>		
247	1	BAT00029	24V 40AH BATTERY WITH TRICKLE CHARGER	EA	25567
248	2	BAT00076	12V 100AH MAINTANANCE FREE BATTERY	EA	8218
249	3	BAT00051	12V 80AH MAINTENANCE FREE BATTERY	EA	5479
250	4	BAT00015	12V 80AH LEAD ACID BATTERIES	EA	6809
251	5	BAT00056	12V 42AH MAINTENANCE FREE BATTERIES	EA	4010
252	6	BAT00010	12V 40AH MAINTENANCE FREE BATTERIES	EA	4793
253	7	BAT00055	12V 26AH MAINTENANCE FREE BATTERIES	EA	3191
254	8	BAT00014	12V 7AH SMF BATTERY	EA	917
255	9	BAT00062	26 AH BATTERY & INTERCONNECTING TERMINAL	SET	8674
256	10	BAT00040	BATTERIES STAND WITH ACCESSARIES	EA	321
			<u>13.B) CHARGERS</u>		
257	1	BAT00077	24V 100AH DUAL BATTERY CHARGER (Max 10A)	EA	17038
		14) ENERGY METERS AND METERING EQUIPMENT			
			<u>14.A) 220KV, 132 KV & 33KV HT TRIVECTOR METERS</u>		
260	1	MHT30051	HT TRVCTR MTR 33KV/110V 100/1A 15MI 0.2C	EA	15945
261	2	MHT30018	HTTRIVECTOR 33KV/110V 200/1A METER,0.2CL	EA	14530
262	3	MHT30057	132/110VHTTVR MT (AMR TOD & ABT)	EA	75684
263	4	MHT30065	33/110VHTTVR MT (AMR TOD & ABT)	EA	75684
264	5	MHT30105	HT TVR METER 33KV/110V, 50/1A ,0.2S CL	EA	5451
265	6	MHT30115	HTTVRMTR 33KV/110V 150/1A 0.2S CLASS CAT-C	EA	5107
			<u>14.B) 11KV HT TRIVECTOR METERS</u>		
266	1	MHT10023	HT METER BOXES	EA	4243
267	2	MHT30059	11/110VHTTVR MT 100/1A(AMR TOD & ABT)	EA	67242
268	3	MHT30103	11KV/110V, 10/5A HT Trivector Meters	EA	6993

269	4	MHT30104	11KV/110V, 20/5A HT Trivector Meters	EA	6993
270	5	MHT30112	HTTVRMTR11KV/110V 40/5A 0.2S CLASS CAT-C	EA	4918
271	6	MHT30113	HTTVRMTR11KV/110V 60/5A 0.2S CLASS CAT-C	EA	4918
272	7	MHT30114	HTTVRMTR11KV/110V 75/5A 0.2S CLASS CAT-C	EA	4918
273	8	MHT30107	HTTVR 11KV/110V,-/1A CL 0.2S Meter(DLMS)	EA	5107
274	9	MHT30108	HTTVR 11KV/110V,-/5A CL 0.2S Meter(DLMS)	EA	4918
275	10	MTO11041	HT TVR Meters of 11KV/110V,10/5A, 0.2S class (BI Directional Solar Net Meter)	EA	8176
276	11	MTO11046	HT TVR Mtr 11KV/110V,20/5A, 0.2S class (BI Directional Solar Net Meter)	EA	8176
			<u>14.C) LT METERS</u>		
277	1	MTE30001	3 PH 10-40A ELECTRONI METER WITH PP BOX	EA	1683
278	2	MTE10018	1PH 5-30A ELECTRO STATIC ENERGY METERS	EA	818
			<u>14.D) CT OPERATED METERS</u>		
279	1	MCT30051	Three Phase LT CT Operated Electronic Trivector Meters class 0.5S 125/5A without CTs and PP Box	EA	2506
280	2	MCT30059	3P4WCT OP ELTRI MT 200/5A 0.5S WO CT,PPB	EA	2868
281	3	MCT30061	Three phase LT CT Operated Electronic Trivector Meters of class 0.5S with 4Nos. 125/5A CTs of class 0.5S with PP Box	EA	12388
282	4	MCT30062	Three Phase LT CT Operated Electronic Trivector Meters of class 0.5S 200/5A with CTs and PP Box	EA	6904
283	5	MTE10018	Single Phase (5-30A) Electronic LCD type Energy Meters with IrDA Physical Layer and Super Capacitor housed in P.P. Box	EA	818
284	6	MTE31004	Three Phase Electronic Energy Meters (5-30A) LCD type IrDA Port class of accuracy 1.0 with Pilfer Proof Box	EA	1847
285	8	MTO11042	Three Phase Electronic Energy Meters (5-30A) LCD type IrDA Port class of accuracy 1.0 with Pilfer Proof Box Solar Net Meter	EA	3285
286	9	MTO11045	Single Phase Electronic Energy Meters (5-30A) LCD type IrDA Port class of accuracy 1.0 with Pilfer Proof Box Solar Net Meter	EA	1241
			<u>14.E) LT CURRENT TRANSFORMER</u>		

		15) BOXES			
287	1	BXS00041	HT METER BOX	EA	5911
288	2	BXS00010	A TYPE DISTRIBUTION BOX	EA	5359
289	3	BXS00001	3 PHASE CT METER BOXES (EMPTY)	EA	2221
290	4	BXS00172	3 PHASE SPECIAL TYPE METER BOXES	EA	602
291	5	BXS00170	SMC 3 PHASE METER BOXES	EA	538
292	6	BXS00147	LT METER BOX	EA	491
293	7	BXS00171	SMC METER BOX FOR HOUSING 1-PH METER &CT	EA	433
294	8	BXS00174	SMC DISTRIBUTION BOX	EA	13469
295	9	BXS00179	LT DISTRIBUTION BOX WITH MCCB-63KVA	EN	30265
296	10	BXS00180	LT DISTRIBUTION BOX WITH MCCB-100KVA	EN	19326
297	11	BXS00183	S-PH 16/25KVA LT DISTRIBUTION BOX MCCBS	EN	11524
		16) EARTHING MATERIALS			
298	1	EMT00006	CI EARTH PIPE 80 MM DIA 2.5MTS LENGTH	EA	3533
299	2	EMT00010	CI EARTH PIPE 50 MM DIA 2.0 MTS LENGTH	EA	2761
300	3	EMT00022	GI EARTH PIPE 40 MM 2.5 MTS LONG	EA	985
301	4	EMT00018	GI EARTH FLAT 25 MM X 4 MM	KG	29
302	5	EMT10001 1	EARTH DISCHARGING ROD 10'	EA	792
		17) OTHER MATERIALS			
303	1	OTH00057	A.C. DISTRIBUTION PANELS	EA	33111
304	2	OTH00126	DC ANNUNCIATION PANEL	EA	14028
305	3	CAH00060	HAND HELD COMPUTER FOR SPOT BILLING	EA	14148
306	4	CAH00252	AMR Modems	EA	3125
307	5	OMT10030	CMRI WITH ACCESSORIES	EA	20008
308	6	FBE00027	LT OPEN WIRING FUSE SET STRUCTURE	EA	853

309	7	SSL00021	POLY CARBONATED SEAL BIT (WHITE)	EA	3
310	8	SSL00023	POLY CARBONATED SEAL BIT (BLUE)	EA	3
311	9	SSL00024	POLY CARBONATED SEAL BIT (RED)	EA	3
312	10	SFU10041	T.C.FUSE WIRE 14SWG	KG	949
313	11	SFU10042	T.C.FUSE WIRE 16SWG	KG	949
314	12	SFU10043	T.C.FUSE WIRE 18SWG	KG	949
315	13	SFU10044	T.C.FUSE WIRE 20SWG	KG	949
316	14	SFU10047	T.C.FUSE WIRE 33SWG	KG	1037
317	15	STR00013	DPC ALUMINIUM WINDING WIRE 1.25MM	KG	268
318	16	STR00015	DPC ALUMINIUM WINDING WIRE 16 SWG (1.6MM)	KG	267
319	17	STR00628	S.E. Aluminium Winding wire 19 SWG	KG	281
320	18	STR00632	DPC Al.winding wire 1.32mm	KG	196
321	19	STR00633	DPC Al.winding wire 1.72mm	KG	196
322	20	STR00027	HT Brass bushing rods 12"	EA	112
323	21	STR00038	LV BRASS BUSHING RODS CON. TYPE	EA	136
324	22	STR00039	LV BRASS BUSHING RODS CSP TYPE	EA	112
325	23	STR00063	S.E.COPPER 22SWG(0.711MM)	KG	1032
326	24	STR00450	S.E.COPPER 25 SWG	KG	1032
327	25	STR00638	23SWG SE Copper Winding Wire	KG	968
328	26	SSM00003	Pad Clamps for Dog Conductor	Nos.	215
329	27	SSM00004	Pad Clamps for Panther Conductor	Nos.	215
330	28	SSM00006	"T" Clamps for Panther to Panther Conductor	Nos.	211
331	29	SSM00007	"T" Clamps for Panther to Dog Conductor	Nos.	212
			18) M- Type Towers		
332	1		M type GI tower	EA	

332	2		M+3 GI tower (as per ASCI specifications WT 1.626MT and Pit 1.2X1.2X3.3 Mts. i.e. 4.752CUM)	EA	216887(1.626MT)
332	3		M+6 GI Towers (as per ASCI specifications WT 1.99 MT and Pit 1.2X1.2X3.3 Mts. i.e. 4.752CUM)	EA	252486(1.99MT)
332	4		M+9 GI Towers (as per ASCI specifications WT 2.35 MT and Pit 1.2X1.2X3.3 Mts. i.e. 4.752CUM)	EA	288088(2.35MT)
332	5		M+12 GI Towers (as per ASCI specifications WT 2.68 MT and Pit 1.2X1.2X3.3 Mts. i.e. 4.752CUM)	EA	323688(2.68MT)

(By order of the Hon'ble Commission)



Commission Secretary(i/c)