

Amounts to be paid by the applicant for “New Industrial Service Connections”

(HT, i.e. CMD of 70 KVA & above)

1. **Development Charges** : Per KVA of Contracted Maximum Demand (CMD)
 - a. At 11 KV Potential : Rs. 1,200-00
 - b. At 33 KV Potential : Rs. 1,200-00
 - c. At 132 KV Potential & above : Rs. 1,000-00

2. **Service Line Charges** : Rate per KM of line to be erected
 - a. At 11 KV Potential : Rs. 3.08 Lakhs
 - b. At 33 KV Potential : Rs. 5.48 Lakhs (on 9.1 M PSCC Poles) or
Rs. 6.86 Lakhs (on 12.5 M Spun poles)
(type of poles is to be decided as per requirement)
 - c. At 132 KV Potential & above : As per the estimate sanctioned by AP Transco

3. **Metering & Terminal Arrangement at Consumer premises** :
 - a. At 11 KV Potential : Rs. 1.24 Lakhs
 - b. At 33 KV Potential : Rs. 11.31 Lakhs
 - c. At 132 KV Potential & above : As per the estimate sanctioned by AP Transco

4. **Security Deposit** : Rs. 500 per KVA of Contracted Maximum Demand (CMD) per each shift of operation of the industry

Note : (i) Marginal changes may occur in the above item nos. 2 & 3 at the time of estimate preparation. The rates are as per the present approved cost data. Changes may occur annually.

(ii) Items (1) to (3) are to be paid after the estimate is sanctioned. And item (4) is to be paid after completion of works and before releasing of the service

CHIEF GENERAL MANAGER
OPERATION : APSPDCL
TIRUPATI

**SOUTHERN POWER DISTRIBUTION COMPANY OF AP LIMITED
TIRUPATI**

From
Chief General Manager,
Operation, APSPDCL,
Tirupati.

To
The PS to the CMD / AP Transco,
AP Transco, Vidyuth Soudha,
Hyderabad.

Lr.No.CGM/Opn/APSPDCL/TPT/RAC/F. /DNo. 183 /2016 dt. 06.05.16

Sir,

Sub : APSPDCL / Corporate Office / Tirupati – Information on certain issues related to releasing of new industrial services – Reg.

Ref : Your e-mail dated 06.05.2016 sent to the CMD / APSPDCL

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The information sought vide reference cited is furnished in the attached annexure. Also the details of the amounts required for releasing of new services is also provided in the attachment.

Yours faithfully,

CHIEF GENERAL MANAGER
OPERATION : APSPDCL
TIRUPATI

Encl : As above

Abstract of schedule of rates for 2015-16 : Cost Data per Km of 33/11 KV/LT Lines

Sl. No	Particulars of items	Type of pole being used	No. of poles /KM	Span in Mtrs	Size of Conductor	Total Cost in Rs.	Page No
1	33KV line	11.0Mtr. Spun	18	60	100Sqmm AAA	641609	15
2	33KV line	12.5Mtr. Spun	18	60	100Sqmm AAA	686079	16
3	33KV line (Double Circuit)	12.5Mtr. Spun	18	60	100Sqmm AAA	1021300	17
4	33 KV Line	9.1 Mtr. PSCC	27	40	100 Sqmm AAA	548300	18
5	33 KV Line	9.1 Mtr. PSCC	19	60	100 Sqmm AAA	462800	19
6	11 KV Line	9.1 Mtr. PSCC	27	40	100 Sqmm AAA	464400	20
7	11 KV Line	9.1 Mtr. PSCC	18	60	55 Sqmm AAA	308400	21
8	11 KV Line	8.0 Mtr PSCC(140Kgs)	22	50	55 Sqmm AAA	274600	22
9	11 KV Line	8.0 Mtr PSCC(200Kgs)	22	50	55 Sqmm AAA	278000	23
10	6.3 KV Line	9.1 Mtr. PSCC	21	50	55 Sqmm AAA	260800	24
11	6.3 KV Line	8.0 Mtr PSCC(140Kgs)	18	60	55 Sqmm AAA	188200	25
12	L.T. 3Ph 5 Wire Line(Horizontal)	8.0 Mtr PSCC (200Kgs)	28	40	4x55+1x34 Sqmm AAA	330500	26
13	L.T. 3Ph 5 Wire Line(Horizontal)	8.0 Mtr PSCC (200Kgs)	21	50	3x55+2x34 Sqmm AAA	284800	27
14	L.T. 3Ph 5 Wire Line(Horizontal)	8.0 Mtr PSCC (200Kgs)	21	50	5x34 Sqmm AAA	237700	28
15	L.T. 3Ph 5 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	28	40	4x55+1x34 Sqmm AAA	326600	29
16	L.T. 3Ph 5 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	21	50	3x55+2x34 Sqmm AAA	281800	30
17	L.T. 3Ph 5 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	21	50	5x34 Sqmm AAA	235600	31
18	L.T. 3Ph 4 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	28	40	4x55 Sqmm AAA	298500	32
19	L.T. 3Ph 4 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	21	50	4x34 Sqmm AAA	208400	33
20	L.T. 3Ph 4 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	21	50	4x55 Sqmm AAA	270000	34
21	L.T. 1Ph 3 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	28	40	3x55 Sqmm AAA	258100	35
22	L.T. 1Ph 3 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	21	50	3x34 Sqmm AAA	183700	36
23	L.T. 1Ph 3 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	21	50	3x55 Sqmm AAA	229900	37
24	L.T. 1Ph 2 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	28	40	2x55 Sqmm AAA	210600	38
25	L.T. 1Ph 2 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	21	50	2x34 Sqmm AAA	152700	39
26	L.T. 1Ph 2 Wire Line(Horizontal)	8.0 Mtr PSCC(140Kgs)	21	50	2x55 Sqmm AAA	183500	40
27	L.T. AB Cable	8.0 Mtr PSCC(140Kgs)	16	65	3x16+25 Sqmm	157900	41
28	L.T. AB Cable	8.0 Mtr PSCC(140Kgs)	21	50	2x16+25 Sqmm	157400	42
29	L.T. AB Cable	8.0 Mtr PSCC(200Kgs)	16	65	3x16+25 Sqmm	160200	43
30	L.T. AB Cable	8.0 Mtr PSCC(200Kgs)	21	50	2x16+25 Sqmm	160400	44
31	Erection of 100KVA C.S.P Distribution transformer					249546	45
32	Erection of 100KVA C.S.P Amorphous metal core Distribution transformer					249546	46
33	Erection of 63 KVA C.S.P Distribution transformer					215701	47
34	Erection of 63 KVA C.S.P Amorphous metal core Distribution transformer					215701	48
35	Erection of 25KVA-11KV/433V copper wound DTR for releasing of Agricultural services (140Kgs PSCC Pole)					101869	49
36	Erection of 25KVA-11KV/433V copper wound DTR for releasing of Agricultural services (200Kgs PSCC Pole)					102009	50
37	Erection of 16KVA-11KV/433V copper wound DTR for releasing of Agricultural services (140Kgs PSCC Pole)					111754	51
38	Erection of 16KVA-11KV/433V copper wound DTR for releasing of Agricultural services (200Kgs PSCC Pole)					111894	52
39	Erection of 15 KVA Single Phase 6.3 KV/0-240V CSP OIL IMMersed transformer					51573	53
40	Erection of 15 KVA Single Phase 6.3 KV/0-240V Amorphous metal core transformer					51573	54
41	Release of Single phase Water works Service erected on support					4104	55
42	Release of poly phase Agl. Service erected on support					6923	56
43	Release of single phase domestic and non domestic service with High Quality meter					4501	57
44	Release of 3ph Domestic & Non-domestic service with High Quality meter					8100	58
45	Release of poly phase Indl.service upto 15 H.P with High Quality meter					8936	59
46	Release of poly phase Industrial service above 15 H.P to 50HP with C.T. operated meter					10458	60
47	Erection of L.T. Electronic Trivector Meter on LV Side of DTR					13020	61
48	Erection of Metering of LT industrial services load above 50HP to 75HP on 11KV side					160951	62
49	Erection of Terminal & Metering Arrangement for 33KV Services with 33KV VCB					1270558	63
50	Erection of 33/11 K.V. Substation with 1x5MVA power transformer & 3 Nos. 11kv feeders (with 11 kv 2 MVAR Capacitor Bank)					13091000	64-65
51	Erection of 33/11 K.V. Substation with 1x5MVA power transformer & 2 Nos. 11kv feeders (without 11 kv 2 MVAR Capacitor Bank)					11455000	66-67
52	Erection of 33/11 K.V. Substation with 1x5MVA power transformer & 3 Nos. 11kv feeders (without 11 kv 2 MVAR Capacitor Bank)					11807000	68-69
53	Erection of 33/11 K.V. Substation with 1x5MVA power transformer & 4 Nos. 11kv feeders (without 11 kv 2 MVAR Capacitor Bank)					12160000	70-71
54	Erection of 11KV Bay extension along with VCB in existing 33/11KV Sub-Station with RS Joists					557291	72
55	Erection of 33KV Bay extension in existing 33/11KV Sub-Station					191782	73
56	Erection of 5.0MVA Addl. PTR with 33KV Bay extension					4007674	74

COST DATA OF CENTRALISED MAERIALS FOR R.E. AND DISTRIBUTION WORKS			
2015-16			
SAP Material code	Description of materials	UNIT	Rupees
1) SUPPORTS AND FIXTURES, IRON, STEEL AND CEMENT			
	<u>I.A) RS JOISTS</u>		
MST00032	RS JOIST 175X85MM	MT	55347
MST00029	RS JOIST 150X150MM	MT	55347
MST00030	RS JOIST 150X75MM	MT	55347
MST00037	RS JOIST 175 X 50 MM	MT	55347
	<u>I.B) PSCC POLES</u>		
PLS00014	PSCC SPUN POLES 12.5 MTS	EA	12200
PLS00007	PSCC SPUN POLES 11 MTS	EA	11300
PLS00015	PSCC Poles 11.0MTS	EA	7600
PLS00004	PSCC POLES 9.1 MTS 280KGS	EA	3640
PLS00002	PSCC POLES 8 MTS 200KGS	EA	1995
PLS00001	PSCC POLES 8 MTS 140KGS	EA	1875
PLS00010	RCC FENCING POLES 3 MTS	EA	278
PLS00009	RCC FENCING POLES 2 MTS	EA	113
PLS00011	RCC BASE PLATES	EA	72
	<u>I.C) STEEL MATERIALS</u>		
MST00012	MS CHANNEL 100X50	MT	53887
MST00013	MS CHANNEL 75X40	MT	53887
MST00011	MS CHANNEL 150X75	MT	53887
MST00003	MS ANGLE 65X65X6	MT	53887
MST00002	MS ANGLE 50X50X6	MT	53887
MST00009	MS ANGLE 130X130X12	MT	53887
MST00015	MS FLAT 75X8	MT	53887
MST00014	MS FLAT 50X6	MT	53887
MST00019	MS ROD 20MM	MT	53887
MST00018	MS ROD 16MM	MT	53887
	<u>I.D) STEEL WIRE</u>		
WRS00011	HT STEEL WIRE 4MM	MT	62191
WRS00006	GI STAYWIRE 7/3.15MM (10 SWG)	MT	65649
WRS00007	GI STAYWIRE 7/2.5MM (12 SWG)	MT	64839
WRS00005	G.I. WIRE 4MM (NO.8)	MT	62300
	<u>I.E) BOLTS AND NUTS</u>		
BNT00028	MS BOLTS & NUTS 5/8" X 6"	MT	80628
BNT00031	MS BOLTS & NUTS 5/8" X 9"	MT	80628
BNT00024	MS BOLTS & NUTS 5/8" X 2.5"	MT	80628
BNT00025	MS BOLTS & NUTS 5/8" X 3"	MT	80628
BNT00026	MS BOLTS & NUTS 5/8" X 4"	MT	80628
BNT00006	GI BOLTS & NUTS 1/2" X 1 1/2"	MT	80628
BNT00009	GI BOLTS & NUTS 3/8" X 1 1/2"	MT	80628
BNT00022	MS BOLTS & NUTS 5/8" X 1.5"	MT	80628
BNT00023	MS BOLTS & NUTS 5/8" X 2"	MT	80628

SAP Material code	Description of materials	UNIT	Rupees
BNT00030	MS BOLTS & NUTS 5/8" X 8"	MT	80628
BNT00035	MS BOLTS & NUTS 3/8" X 1 1/2" FULL TH	MT	80628
BNT00038	MS BOLTS & NUTS 1/2"X1 1/2"	MT	80628
BNT00043	MS FULL NUTS 16MM (1" Thick)	MT	80628
BNT00044	MS HALF NUTS 16MM (1/2" Thick)	MT	80628
BNT00045	M.S.HEXAGONAL POLISHED NUTS 3/4	MT	80628
	<u>1.F) CEMENT</u>		
CEM00004	OP CEMENT 53 GRADE FOR POLES	MT	
<u>2) INSULATORS AND HARDWARE</u>			
	<u>2.A) 33 KV</u>		
INS30002	33KV SOLID CORE INSULATORS	EA	1307
INS30004	33KV 70KN COMPOSITE POLYMER INSULATOR	EA	649
INS30003	33KV POST TYPE INSULATORS (STAGS)	EA	803
INS30006	33KV 70KN DISC INSULATORS	EA	391
INS30001	33KV PIN INSULATORS	EA	387
HWR00003	33KV GI PINS	EA	163
HWR00004	33KV METAL PARTS (B&S)	SET	180
	<u>2.B) 11 KV</u>		
INS10006	11KV SOLID CORE INSULATORS FOR AB SWITCH	EA	252
INS10007	11KV SOLID CORE INSULATORS FOR HG FUSES	EA	163
INS10009	11KV POLYMER INSULATORS (B&S)	EA	258
INS10003	11KV POLYMER INSULATORS (C&T)	EA	196
INS10011	11 KV POLYMER DISC	EA	258
INS10008	11KV POST TYPE INSULATORS	EA	233
INS10004	11KV DISC INSULATORS (B&S)	EA	206
INS10002	11KV DISC INSULATORS (C&T)	EA	216
INS10001	11KV PIN INSULATORS	EA	54
HWR00001	11KV GI PINS	EA	59
HWR00002	11KV METAL PARTS (C&T)	SET	82
INS10005	11KV GUY INSULATORS (HT)	EA	41
	<u>2.C) LT</u>		
INS00001	LT PIN INSULATORS	EA	14
HWR00015	LT GI PINS	EA	29
INS00002	LT SHACKLES	EA	12
HWR00016	LT METAL PARTS	SET	32
INS00005	BUS-BAR INSULATORS WITH ALUMINIUM STRIP	EA	62
INS00003	LT GUY INSULATORS	EA	18
<u>3) CROSS ARMS</u>			
	<u>3.A) 33 KV CROSS ARMS AND TOP FITTINGS</u>		
FBE00026	33KV TAPING CHANNEL X ARMS	EA	1112
FBE30003	33KV V CROSS ARMS WITH CLAMPs	EA	1197
FBE30004	33KV V CROSS ARMS WITHOUT CLAMPs	EA	1026
FBE30018	33KV CHANNEL V X ARMs FOR SPUN POLE WITH CLAMPs	EA	1352
FBE30006	33KV TOP CLEAT WITH CLAMPs	EA	519

SAP Material code	Description of materials	UNIT	Rupees
	<u>3.B) 11KV CROSS ARMS AND TOP FITTINGS</u>		
FBE10004	11KV M.S CHANNEL CROSS ARM(TAPPING)75X40	EA	545
FBE10006	11KV HORIZONTAL CROSS ARMS	EA	464
FBE10033	11KV TAPPING X ARM W 100X50MM MS CHANNEL	EA	649
FBE10035	11KV MS CH X ARM(TAPING)75X40 WITH CLAMP	EA	492
FBE10001	11KV ANGLE V-X ARMS 65X65X6 W/O CLAMPS	EA	478
FBE10002	11KV VX ARMS WITH MSCHANNEL 140KG	EA	575
FBE10003	11KV VCROSS ARMS WITH CLAMPS 200KG	EA	575
FBE10016	11KV V 'X' ARM(75X40) WITH CLAMP FOR 9.1	EA	549
FBE10028	11KV ANGLE V-X ARM WITH CLAMP 140 KG	EA	533
FBE10034	11KV ANGLE V-X ARM WITH CLAMP 200 KG	EA	533
FBE00025	11 KV SIDE ARM WITH STUTT	EA	1205
FBE10007	11KV TOP CLEAT WITH CLAMPS For 8.0	EA	281
FBE10021	11KV TOP CLEAT WITH CLAMPS FOR 9.1	EA	281
FBE10032	11KV Spl. Type Top Fittings with Clamps	EA	175
	<u>3.C) LT CROSS ARMS</u>		
FBE00008	LT 3 PH. 5 WIRE CROSS ARMS	EA	381
FBE00039	LT RAISING 3-PHASE 5 WIRE CROSS ARM	EA	1215
FBE00020	LT 3PH 4 WIRE X ARMS WITHOUT CLAMP	EA	247
FBE00007	LT 3 PH 4WIRE CROSS ARM & CLAMP (200KG)	EA	372
FBE00009	LT 3 PH 4WIRE CROSS ARM & CLAMP (140KG)	EA	372
FBE00030	LT 3PH ANGLE X-ARM W CLAMP[50X50X6] 140KG	EA	227
FBE00036	LT 3PH SIDE ARMS WITH STUTT	SET	824
FBE00045	LT 3PH SIDE ARMS WITH STUTT & CLAMPS	SET	886
FBE00034	LT 1 PH. 3 WIRE CROSS ARM WITHOUT CLAMP	EA	319
FBE00006	LT 1 PH. 3 WIRE CROSS ARM WITH CLAMP	EA	391
FBE00029	LT 1PH 3 W ANGLE X-ARM W CLAMP [50X50X6]	EA	391
FBE00033	LT 1 PH. 2 WIRE CROSS ARMS W/O CLAMP	EA	268
FBE00024	LT STUT AND SIDE ARM	EA	1009
	<u>3.D) BACK CLAMPS</u>		
FBE30001	33KV M.S.BACK CLAMPS	EA	139
FBE30024	33KV M.S.BACK CLAMPS FOR SPUN POLES	EA	162
FBE30002	33KV M.S.STAY CLAMPS	EA	218
FBE00002	M.S.BACK CLAMPS FOR 9.1 M PSCC POLE	EA	100
FBE00040	M.S.BACK CLAMPS FOR 9.1 M POLE 75X8	EA	98
FBE00001	M.S.BACK CLAMPS FOR 8 MPSCC POLES 200KG	EA	72
FBE00041	MS.BACK CLAMP 8M POLES 200KG(SLOT HOLE)	EA	72
FBE00048	MS STRUT CLAMPS FOR 8M/200KG POLES (SET)	EA	77
FBE00038	MS STAY CLAMP FOR 140 KG POLE	EA	72
FBG00019	M.S.STAY CLAMPS SPECIAL	EA	72
FBE00021	POLE MOUNTING CLAMPS	EA	36
	<u>3.E) STAY SETS</u>		
FBE30008	33KV MS STAY SETS WITH BASE PLATE	EA	433
FBE30009	33KV MS STAY SETS WITHOUT BASEPLATE	EA	366
FBE30010	33KV MS STAY SET WITHOUT CLAMPS	EA	525

SAP Material code	Description of materials	UNIT	Rupees
FBE30021	33KV MS STAY SET WITH CLAMPS For 9.1MTS POLES		779
FBE10022	11KV MS STAY SET WITH CLAMPS	EA	448
FBE10010	11KV MS STAY SETS WITHOUT BASEPLATE	EA	385
FBE10023	11KV MS STAY SETS WITH OUT CLAMPS	SET	227
FBE00004	M.S.STAY CLAMPS FOR 9.1 M PSCC POLE	EA	144
FBE00028	M.S.STAYSET WITH CLAMPS FOR 8M PSCCPOLES	EA	319
FBE00003	M.S.STAY CLAMPS FOR 8 MPSCC POLES (SET)	EA	82
	<u>3.F) DP STRUCTURE MATERIALS</u>		
FBG00032	DP STRUCTURE TOTAL SET	SET	3924
FBG00010, FBG00018	POLE MOUNT ARGMT FOR 16/25KVADTR(CHANEL)	EA	2019
FBE00044	MOUNTING ARRANGEMENT FOR 1PH DTR	SET	356
<u>4) CONDUCTORS</u>			
CDR00005	AAA CONDUCTOR 200 SQ. MM	KM	132334
CDR00004	AAA CONDUCTOR 100 SQ. MM	KM	50953
CDR00003	AAA CONDUCTOR 55 SQ. MM	KM	29490
CDR00002	AAA CONDUCTOR 34 SQ. MM	KM	17685
CDR00011	ACSR CONDUCTOR ZEBRA	KM	234819
CDR00010	ACSR CONDUCTOR PANTHER 200 Sq.mm	KM	131078
CDR00008	ACSR CONDUCTOR (30+7/3.00MM) 200 SQMM	KM	130975
CDR00006	ACSR CONDUCTOR 7/2.11	KM	12731
CDR00014	AL 59 CONDUCTOR 109 SQ MM	KM	47009
<u>5) CABLES</u>			
	<u>5.A) 33 KV XLPE POWER CABLES</u>		
CBX30001	33KV XLPE CABLE 3 CORE 400 SQ. MM	M	1957
CBX30004	33KV XLPE CABLE 3 CORE 300 SQ. MM	M	1700
	<u>5.B) 11 KV XLPE POWER CABLES</u>		
CBX10008	11KV XLPE CABLE 3 CORE 300 SQ. MM	M	1236
CBX10007	11KV XLPE CABLE 3 CORE 185 SQ. MM	M	927
CBX10006	11KV XLPE CABLE 3 CORE 120 SQ. MM	M	711
CBX10005	11KV XLPE CABLE 3 CORE 95 SQ. MM	M	567
CBX10002	11KV XLPE CABLE 3 CORE 35 SQ. MM	M	340
	<u>5.C) 11 KV PLIC POWER CABLES</u>		
CBX10001	11KV PLIC CABLE 3 CORE 35 SQ. MM	M	299
	<u>5.D) LT PVC 1 CORE CABLES (XLPE)</u>		
CBX00017	LT PVC CABLE 1 CORE 185 SQ. MM	M	118
CBX00009	LT PVC CABLE 1 CORE 150 SQ. MM	M	95
CBX00008	LT PVC CABLE 1 CORE 120 SQ. MM	M	79
CBX00007	LT PVC CABLE 1 CORE 95 SQ. MM	M	64
CBX00006	LT PVC CABLE 1 CORE 70 SQ. MM	M	46
CBX00005	LT PVC CABLE 1 CORE 50 SQ. MM	M	36
	<u>5.E) LT XLPE 1 CORE CABLES</u>		
CBX00002	LT XLPE CABLE 1 CORE 70 SQ. MM	M	46
	<u>5.F) LT XLPE 3 1/2 CORE CABLES</u>		
CBX00015	LT XLPE CABLE 3 1/2 CORE 185 SQ. MM	M	330

SAP Material code	Description of materials	UNIT	Rupees
CBX00014	LT XLPE CABLE 3 1/2 CORE 120 SQ. MM	M	303
CBX00013	LT XLPE CABLE 3 1/2 CORE 95 SQ. MM	M	237
CBX00012	LT XLPE CABLE 3 1/2 CORE 70 SQ. MM	M	191
CBX00018	LT PVC AL CONTR CABLE 4 CORE 4 SQ. MM	M	26
	<u>5.G) LT UNARMoured 3 1/2 CORE CABLES</u>		
CBP00019	LT PVC UNARMoured 3.5 CORE CABLE 150sqmm	M	340
	<u>5.H) LT CONTROL CABLES</u>		
CBP00006	LT PVC CU CONTR CABLE 10 CORE 2.5 SQ. MM	M	165
CBP00002	LT PVC CU CONTR CABLE 4 CORE 2.5 SQ. MM	M	68
CBP00001	LT PVC CU CONTR CABLE 2 CORE 2.5 SQ. MM	M	38
CBX00018	LT PVC AL CONTR CABLE 4 CORE 4 SQ. MM	M	26
	<u>5.I) LT AERIAL BUNCHED CABLES</u>		
CBA00003	LT AB CABLE 3 X 16 + 25 SQ. MM	M	49
CBA00002	LT AB CABLE 2 X 16 + 25 SQ. MM	M	34
CBA00001	LT AB CABLE 1 X 16 + 25 SQ. MM	M	26
	<u>5.J) LT AERIAL BUNCHED CABLE FITTINGS</u>		
HWR00012	HARDWARE FOR SUSPENSION CLAMPS(EYEHOOKS)	EA	175
SCB00058	LT CONNECTOR FOR AB CABLE WTH Insulation	EA	82
HWR00009	DEAD END CLAMPS WITH EYE HOOK	EA	113
	<u>5.K) CABLE JOINTING KITS</u>		
SCB00069	33KV 3X400 XLPE UG CABLE ST TH JOINT KIT	EA	45088
SCB00061	33KV XLPE CABLE JOINTING KIT 3X400SQMM	EA	10352
SCB00027	11KV HEAT SHRKABL JOIT.KIT FOR 3X300SQMM	EA	0
SCB00055	11KV CABLE JOINTING KITS 3X185 SQ.MM	EA	2925
SCB00025	11KV CABLE JOINTING KIT 3X35SQMM OUTDOOR	EA	773
	<u>6) POWER TRANSFORMERS, CAPACITORS AND TRASFORMER OIL</u>		
PTR00009	33/11 KV 10MVA POWER TRANSFORMER	EA	5386320
PTR00008	33/11 KV 8MVA POWER TRANSFORMER	EA	4535000
PTR00006	33/11 KV 5MVA POWER TRANSFORMER	EA	3345440
PTR00005	33/11 KV 3.15MVA POWER TRANSFORMER	EA	2856190
CPT10013	11KV CAPACITOR BANK WITH VCB & ACCESSORIES	EA	1013247
OFO10009	TRANSFORMER OIL (with Drums)	L	79
	<u>7) DISTRIBUTION TRANSFORMERS</u>		
	<u>7.A) 3PH DTRs</u>		
DTC30009	3PH 315KVA DTR CRGO CSP	EA	553440
DTA30013	3PH 315KVA DTR AMARPHOUS CSP	EA	553440
DTC30011	3PH 250KVA DTR CRGO CSP	EA	315618
DTC30113	3PH 250KVA DTR CRGO CONVENTIONAL	EA	315618
DTA30007	3PH 160KVA DTR AMARPHOUS	EA	233940
DTC30127	3PH 160KVA DTR AMARPHOUS/CRGO CSP BEE 5* RATING	EA	233940
DTC30007	3PH 160KVA DTR CRGO CSP	EA	233940
DTC30118	3-PH 160 KVA DTR WITH BEE BEE 3* RATING	EA	233940
DTC30106	3PH 100KVA DTR CRGO CONVENTIONAL	EA	144150
DTA30006	3PH 100KVA DTR AMARPHOUS	EA	144150
DTC30131	3PH 100KVA DTR AMARPHOUS/CRGO with 5 star	EA	144150

SAP Material code	Description of materials	UNIT	Rupees
DTC30006	3PH 100KVA DTR CRGO CSP	EA	144150
DTC30116	3PH 100KVA DTR CRGO CONV BEE 3* RATING		144150
DTC30122	3PH 100KVA DTR CRGO CONV BEE 5* RATING	EA	144150
DTC30005	3PH 75 KVA DTR CRGO CSP	EA	91928
DTC30105	3PH 75 KVA DTR CRGO CONVENTIONAL	EA	91928
DTC30104	3PH 63 KVA DTR CRGO CONVENTIONAL	EA	115200
DTC30004	3PH 63 KVA DTR CRGO CSP	EA	115200
DTA30004	3PH 63 KVA DTR AMARPHOUS	EA	115200
DTC30129	3PH 63 KVA DTR AMARPHOUS CSP BEE 5* RATING	EA	115200
DTC30115	3PH 63 KVA DTR CRGO CONV BEE 3* RATING	EA	115200
DTC30003	3PH 50 KVA DTR CRGO CSP	EA	69010
DTC30103	3PH 50 KVA DTR CRGO CONVENTIONAL	EA	69010
DTC30111	3PH 40 KVA DTR CRGO CONV BEE 3* RATING	EA	98350
DTC30128	3PH 40 KVA DTR CRGO CONVL BEE 3* RATING	EA	98350
DTC30130	3PH 40 KVA DTR AMARPHOUS CONV BEE 5* RATING	EA	98350
DTC30102	3PH 25 KVA DTR CRGO CONVENTIONAL	EA	61216
DTC30116	3PH 25 KVA DTR CRGO CONV BEE 3* RATING	EA	61216
DTC30123	3PH 25 KVA DTR CRGO CONV BEE 5* RATING	EA	61216
DTC30002	3PH 25 KVA DTR CRGO CSP	EA	61216
DTC30101	3PH 16 KVA DTR CRGO CONV 3* RATING	EA	53857
DTC30001	3PH 16 KVA DTR CRGO CSP	EA	53857
DTC30132	3PH 16 KVA DTR CRGO/AMARPHOUS CONV 5* RATING (COPPER)	EA	69668
DTC30112	3PH 15 KVA DTR CRGO CONVENTIONAL	EA	37080
DTA30011	3PH 15 KVA DTR AMARPHOUS	EA	37080
DTC10001	1PH 5 KVA DTR CRGO CSP	EA	24139
DTC10101	1PH 5 KVA DTR CRGO CONVENTIONAL	EA	24139
DTC10002	1PH 10 KVA DTR CRGO CSP	EA	27501
DTC10103	1PH 10 KVA DTR 11KV/1.732 CRGO CONV	EA	27501
DTC10004	1PH 15 KVA DTR CRGO CSP	EA	37522
DTA10003	1PH 15 KVA DTR AMARPHOUS	EA	37522
DTC10104	1PH 15 KVA DTR CRGO CONVENTIONAL	EA	37522
DTC10107	1PH 16 KVA DTR CRGO/AMARPHOUS CSP	EA	48850
8) SWITCH CONTROL AND PROTECTIVE GEAR			
	<u>8.A) CIRCUIT BREAKERS AND RELAYS</u>		
BRK30001	33KV SF6 CIRCUIT BREAKER W/O PANEL	EA	360706
BRK30002	33KV FEEDER VCB WITH CT'S&CONTROL PANEL	EA	345256
BRK30016	33KV Feder VCB W/O CT's&with Contl Panel	EA	283677
BRK30017	33KV SF6 CIRCUIT BREAKER CONTROL PANEL	EA	212180
BRK30005	33KV VCB W/O CT'S&CONTROL PANEL(220V DC)	EA	206866
BRK30003	33KV VCB W/O CT'S&CONTROL PANEL(24V DC)	EA	275415
BRK30019	33KV FEEDER VCB Without CONTROL RELAY PANEL	EA	312750
BRK30020	33KV VCB WITH CT'S&CONTROL PANEL (24V)	EA	454563.00
BRK10002	11KV FEEDER VCB WITH CT'S&CONTROL PANEL	EA	245528
BRK10010	11KV LV CONTROL VCB WITH RELAY PANEL	EA	254667

SAP Material code	Description of materials	UNIT	Rupees
BRK10004	11KV LV VCB with CTs and Control panels	EA	278543
BRK10011	11KV FEEDER CONTROL VCB WITH RELAY PANEL	EA	166729
	<u>8.B) SWITCH GEAR ACCOSSORIES</u>		
BRK30014	33KV TWIN FEDR CONTL&RELY PANEL(220V DC)	EA	147136
BRK30013	33KV HV/LV RELAY PANEL	EA	84697
BRK30011	33KV CONTROL PANEL WITH ENERGY METER	EA	78496
BRK30010	33KV CONTROL PANEL WITHOUT ENERGY METER	EA	74263
BRK30012	33KV INDOOR CONTROL PANEL	EA	46216
BRK00002	11KV RING MAIN UNITS 5 WAY	EA	642720
BRK10006	11KV 220V RELAY CONTROL PANEL	EA	124321
BRK10012	11KV FEEDER CONTROL RELAY PANEL	EA	39964
BRK10008	ALARAM PANEL SUITABLE FOR 11KV	EA	29175
	<u>9) CURRENT TRANSFORMERS</u>		
	<u>9.A) 33 KV CTs</u>		
ITR30031	33KV CT'S 200-100-50/1-1A	EA	18571
ITR30032	33KV CT'S 200-100-50/5-5A	EA	18159
ITR30034	33KV CT'S 400-200-100/1-1-1A	EA	20449
ITR30035	33KV CT'S 400-200-100/1-1A	EA	22546
ITR30036	33KV CT'S 400-200-100/5-5A	EA	18159
ITR30037	33KV CT'S 200-100/ 1-1 A	EA	18159
ITR30070	33KV METERING CT'S 100/1A Class 1.0	EA	18035
ITR30071	33KV METERING CT'S 25/1A 0.2 CL	EA	16895
ITR30072	33KV METERING CT'S 50/1A 0.2 CL	EA	20126
ITR30073	33KV METERING CT'S 100/1A 0.5 CLASS	EA	18035
ITR30074	33KV METERING CT'S 100/1A 0.2 CLASS	EA	18859
ITR30075	33KV 1PH OUTDOOR CT RATIO 100-50/5-5A	EA	18035
ITR30076	33KV CTs 200-100/1-1-1Amps	EA	16377
ITR30077	33KV CTs - 150/1.1Amps	EA	15172
ITR30078	33KV CTs 200/1A CLASS 0.2	EA	23391
ITR30079	33 KV INDOOR EPOXY RESIN CAST CT	EA	23896
ITR30080	33KV CTs 200/1A CLASS 0.2S ACCURACY	EA	20281
ITR30101	33KV METRNG CT 50/1A CLASS 0.2S ACCURACY	EA	16895
ITR30110	33KV METRNG CT 100/1A CLASS 0.2S ACCURACY	EA	15903
ITR30104	33KV METRNG CT 150/1A CLASS 0.2S ACCURACY	EA	15903
ITR30111	33KV METRNG CT 25/1A CLASS 0.2S ACCURACY	EA	16895
	<u>9.B) 33 KV PTs</u>		
ITR30011	33KV 1PH P.T.S 100VA BURDEN CLASS 0.5	EA	17253
ITR30012	33KV 1PH P.T.S 100VA BURDEN CLASS 0.2	EA	21628
ITR30100	33KV 1PH 200VA PT class 1.00	EA	11845
ITR30015	33KV 1PH P.T.S 110V, 10VA BURDEN	EA	20909
	<u>9.C) 11 KV CTs</u>		
ITR10005	11 KV CT 200-100/1-1A (METERING CORE)	EA	8827
ITR10006	11 KV CT 200-100/5-5A (METERING CORE)	EA	11464

SAP Material code	Description of materials	UNIT	Rupees
ITR00009	11 KV CTS -600-300/1.A	EA	15657
ITR10010	11 KV CT 50-100/1A	EA	8199
ITR10011	11 KV CT 600-300-150/1A	EA	9631
ITR10012	11KV CT'S 50-100/5A	EA	8199
ITR10050	11KV CT'S 100-50/5A	EA	7334
ITR10051	11KV CT'S 200-100/5-5A	EA	8539
ITR10052	11KV CT'S 200-100-50/5-5A	EA	11567
ITR10053	11KV CT'S 400-200/1-1A	EA	14155
ITR10055	11KV CT'S 400-200-100/1-1A	EA	14900
ITR10056	11KV CT'S 400-200-100/5-5A	EA	13792
ITR10057	11KV CT'S 600-300-150/1-1-0.5775A	EA	16774
ITR10071	11KV POLYCRETE CT RATIO 200-100/1-1A	EA	8178
ITR10072	11KV POLYCRETE CT RATIO 200-100/5-5A	EA	8827
ITR10073	11KV CTs - 200 - 150 / 1.1A	EA	
	<u>9.D) 11 KV PTs</u>		
ITR10020	11KV 3PH P.T.S	EA	18334
	<u>9.E) 11 KV CTPT sets</u>		
ITR10032	11KV C.T.P.T. SET 75/5A	EA	39965
ITR10029	11KV C.T.P.T. SET 60/5A	EA	44502
ITR10028	11KV C.T.P.T. SET 40/5A	EA	39965
ITR10026	11KV C.T.P.T. SET 20/5A	EA	39965
ITR10025	11KV C.T.P.T. SET 10/5A	EA	39965
ITR10083	11KV C.T.P.T. SET 5/5A	EA	32497
ITR10035	11KV BOTH SIDE CABLE ENTRY INDOOR 10/5A	EA	40900
ITR10036	11KV BOTH SIDE CABLE ENTRY INDOOR 20/5A	EA	40900
ITR10037	11KV OD PL MOUNT CTPT 60/5A 80KA 0.5SEC	EA	31044
ITR10075	11KV CTS OF RATIO 600-300/1-1-0.5775A	EA	15429
ITR30102	11 KV, 20/5A NEUTRAL CURRENT TRANSFORMER	EA	47741
ITR30103	11 KV/110V RESIDUAL VOLTAGE TRANSFORMER	EA	47741
ITR40001	3PH 0-500V 30V VARRIAC	EA	18334
ITR40002	CONSTANT VOLTAGE TRS. 150V 3A BHEL	EA	
<u>10) AB SWITCHES</u>			
	<u>10.A) 33 KV</u>		
ABS30010	33KV 800A CONV. AB SWITCH WITH S.C.I	EA	39800
ABS30004	33KV 800A CONV. AB SWITCH WITH P.T.I	EA	27280
ABS30007	33KV 800A ABSWITCH 100A FUSE TY WITH INS	EA	22763
ABS30009	33KV 800A ABSWITCH 75A FUSE TY WITH INSL	EA	22763
ABS30008	33KV 800A ABSWITCH 40A FUSE TY WITH INSL	EA	22887
ABS30002	33KV 400A AB SWITCH WITH INSULATORS	EA	21537
	<u>10.B) 11KV</u>		
ABS10015	11KV 800A CONV. AB SWITCH WITH P.T.I	EA	15888
ABS10014	11KV 800A D/B AB SWITCH W/O INSULATORS	EA	12659
ABS10008	11KV 400A CONV AB SWITCH WITH P.T.I	EA	10623
ABS10007	11KV 400A CONV AB SWITCH W/O INSULATORS	EA	4604
ABS10002	11KV 200A TT AB SWITCH WITH INSULATORS	EA	8322

SAP Material code	Description of materials	UNIT	Rupees
ABS10001	11KV 200A TT AB SWITCH W/O INSULATORS	EA	5583
ABS10004	11KV 200A CONV AB SWITCH WITH P.T.I	EA	9013
ABS10003	11KV 200A CONV AB SWITCH W/O INSULATORS	EA	4120
<u>11) LIGHTNING ARRESTORS</u>			
LAS00004	33KV LIGHTNING ARRESTORS STATION TYPE	EA	4460
LAS00002	11KV LIGHTNING ARRESTORS STATION TYPE	EA	2977
LAS00001	11KV LIGHTNING ARRESTORS LINE TYPE	EA	1473
<u>12) HG FUSE SET</u>			
HGF30000	33KV 3Ph HG FUSE SETs	EA	7004
HGF10002	11KV 3 Ph HG FUSE SETS	EA	2493
HGF10003	11KV 1Ph HG FUSE SET WITHOUT INSULATORS	EA	345
HGF10004	11KV 1Ph HG FUSE SET WITH INSULATORS	EA	381
HGF00003	LT HG FUSE SETS WITH OUT INSULATORS	EA	1061
HGF00004	LT 3 Ph HG FUSE SETS	EA	1730
HGF00008	LT 3PH HG FUSE SET WITH SCI	EA	1166
HGF00006	LT 1-PH HG FUSE SET	EA	611
HGF00007	FUSE BASE WITH THROWOUT SWITCH 200A,500V	EA	237
HGF00010	SUPPORTING INSULATORS FIXING CHANNEL	EA	412
<u>13) BATTERIES & CHARGERS</u>			
<u>13.A) BATTERIES</u>			
BAT00029	24V 40AH BATTERY WITH TRICKLE CHARGER	EA	17000
BAT00025	24V 40AH BATTERY W/O CHARGER	EA	6796
BAT00073	12V-180 AH Exide X press chgd battery	EA	12618
BAT00064	12 V 150 AH BATTERY	EA	11464
BAT00057	12V 130AH BATTERIES	EA	9775
BAT00059	12V 100AH BATTERIES	EA	8343
BAT00076	12V 100AH MAINTANANCE FREE BATTERY	EA	7241
BAT00058	12V 99AH BATTERIES	EA	6798
BAT00043	12V 88AH BATTERY	EA	6659
BAT00051	12V 80AH MAINTENANCE FREE BATTERY	EA	6386
BAT00016	12V 80AH LOW MAINT. LEAD ACID BATTERIES	EA	6154
BAT00015	12V 80AH LEAD ACID BATTERIES	EA	6000
BAT00074	DIN 43AH- 12 V EXIDE MAINT FREE BATTERY	EA	5943
BAT00056	12V 42AH MAINTENANCE FREE BATTERIES	EA	5943
BAT00010	12V 40AH MAINTENANCE FREE BATTERIES	EA	4223
BAT00075	12V 35AH MAINTANANCE FREE BATTERY	EA	3821
BAT00042	NS-40 12V.35AH BATTERIES	EA	3749
BAT00050	12V 32AH BATTERY	EA	3162
BAT00055	12V 26AH MAINTENANCE FREE BATTERIES	EA	2812
BAT00068	12 V 22AH BATTERY	EA	2554

SAP Material code	Description of materials	UNIT	Rupees
BAT00014	12V 7AH SMF BATTERY	EA	850
BAT00008	12V 21 PLATES CHARGED BATTERY	EA	7854
BAT00005	12V 15 PLATES BATTERIES	EA	7153
BAT00004	12V 13 PLATES BATTERIES	EA	6098
BAT00045	MHD-1500 EXIDE CHARGER BATTERIES	EA	9126
BAT00044	MHD-1300 EXIDE CHARGER BATTERIES	EA	8796
BAT00046	MM D - 99 TYPE EXIDE BATTERY	EA	6788
BAT00062	26 AH BATTERY & INTERCONNECTING TERMINAL	SET	7643
BAT00040	BATTERIES STAND WITH ACCESSARIES	EA	283
	<u>13.B) CHARGERS</u>		
BAT00077	24V 100AH DUAL BATTERY CHARGER (Max 10A)	EA	15012
	<u>14) ENERGY METERS AND METERING EQUIPMENT</u>		
	<u>14.A) 220KV, 132 KV & 33KV HT TRIVECTOR METERS</u>		
MHT30015	HT TRIVECTOR 220KV/110V ELE METER 3 PH	EA	16841
MHT30036	HT TRIMETER 220KV/110V/100/1A 3 ELEMENT	EA	16841
MHT30043	HT TRIVECTOR 132KV/110V,100/1A RLY METER	EA	16841
MHT30011	HT TRIV MTR 132KV/110V100/1A15M IP CL0.2	EA	16841
MHT30052	HT TVR MTR 132KV/110V 200/1A 15MIP 0.2S	EA	16841
MHT30013	HT TRIVECTOR 132KV/110V, 1A.METER"	EA	16841
MHT30038	HT TRIVECTOR 132KV/110V,100/1A TRACTION	EA	16841
MHT30019	HT TRVCTR MTR 33KV/110V 100/1A 30MI 0.2C	EA	16480
MHT30004	HT TRIVECTOR 33KV/110V 100/1A METERS	EA	14338
MHT30021	33KV/110V100/1A TVR MTR 15M IP 0.2CL	EA	14338
MHT30048	HT TRIVECTOR METER 0.2 SPL CLASS (ABT)	EA	19292
MHT30051	HT TRVCTR MTR 33KV/110V 100/1A 15MI 0.2C	EA	14049
MTO10033	STATIC TRIMETER 33KV/110V/100/5A 30 MIN	EA	14039
MHT30018	HTTRIVECTOR 33KV/110V 200/1A METER,0.2CL	EA	12803
MHT30008	HTTRIVECTOR 33KV/110V200/1A MTR0.5C 30MI	EA	12566
MHT30037	HT STATIC TRIVECT METER 33KV/110V/60/5A	EA	11227
MHT30005	HT TRIVECTOR 33KV/110V 50/5A METERS	EA	5325
MHT30049	HT TRIVECT.METER 33KV /110V &200/1A 0.5S	EA	4594
MHT30050	HT TRIVECT.METER 33KV /110V & 50/1A 0.5S	EA	4594
MHT30039	HT TRI 33KV/110V 20/1A 30Min CL 0.5 Metr	EA	4573
MHT30009	HT TRVCTR MTR 33KV/110V 400/1A 30MI 0.2C	EA	4553
MHT30047	HT STATIC TRIVEC.33KV/110V 200/5A 0.5 CL	EA	4553
MHT30044	HT Trvectr Mtr 33KV/110V 400/1A 30MI 0.5C	EA	4202
MTO10024	MI AMMETER 0.5A	EA	82
MHT30057	132/110VHTTVR MT 100/1A(AMR TOD & ABT)	EA	66686
MHT30060	132/110VHTTVR MT 50/1A(AMR TOD & ABT)	EA	66686
MHT30062	132/110VHTTVR MT 200/1A(AMR TOD & ABT)	EA	66686
MHT30058	33/110VHT TVR MT 50/1A(AMR TOD & ABT)	EA	66686
MHT30061	33/110VHTTVR MT 25/1A(AMR TOD & ABT)	EA	66686
MHT30064	33/110VHTTVR MT 200/1A(AMR TOD & ABT)	EA	66686

SAP Material code	Description of materials	UNIT	Rupees
MHT30065	33/110VHTTVR MT 100/1A(AMR TOD & ABT)	EA	66686
MHT30059	11/110VHTTVR MT 100/1A(AMR TOD & ABT)	EA	66686
MHT30066	11/110VHTTVR MT 25/1A(AMR TOD & ABT)	EA	66686
	<u>14.B) 11KV HT TRIVECTOR METERS</u>		
MHT10012	HT TRIV MTR 11KV/110V 200/5A15M IP CL0.2	EA	4594
MHT30041	HT TRIVECTOR 11KV/110V 200/5A METER	EA	4594
MHT10042	HT TRIVECT.METER 11KV /110V &200/5A 0.5S	EA	4594
MHT10025	HTTRIVECTOR 11KV/110V200/1A MTR0.2C 30MI	EA	4594
MHT10019	HTTRIVECTOR 11KV/110V200/1A MTR0.5C 30MI	EA	4594
MHT10043	HT TRIVECT.METER 11KV /110V &200/1A 0.5S	EA	4594
MHT10010	HT TRIVECTOR 11KV/110V 100/5A METERS	EA	4594
MHT30022	11KV/110V 4W -30Min Int 100/5A Meter	EA	4594
MHT10036	HT TRIVECTOR METER CT RATIO 100/1A 30MIP	EA	4594
MHT10009	HT TRIVECTOR 11KV/110V 75/5A METERS	EA	4594
MHT10008	HT TRIVECTOR 11KV/110V 60/5A METERS	EA	4594
MHT10007	HT TRIVECTOR 11KV/110V 50/5A METERS	EA	4594
MHT10033	3P4W 11KV/110V HT Trvctr Mtr 40/5A15M 0.2C	EA	4594
MHT10006	HT TRIV MTR 11KV/110V 40/5A 15M IP CL0.2	EA	4594
MHT10005	HT TRIVEC 11KV/110V 20/5A METER CL 0.5	EA	4305
MHT10026	HT TRIVECTOR 11KV/110V 20/5A ,ABB MAKE	EA	4305
MHT10028	HT Trvctr Mtr 11KV/110V 20/5A 30MIP 0.5C	EA	4254
MHT10030	HT TRIVECTOR METER 11KV/110V 20/5A	EA	4594
MHT10041	HT TRIVECT.METER 11KV /110V & 20/5A 0.5S	EA	4594
MHT10038	HT ST El'nic Mtr 11/110V 10/5A 0.5C	EA	4182
MHT10024	HT TRIVECTOR METER WITH PP BOX 10/5A	EA	10609
MHT10003	HT TRIVEC 11KV/110V 10/5A METERS CL 0.5	EA	4244
MHT10040	HT TRIVECT.METER 11KV /110V & 10/5A 0.5S	EA	4594
MHT30056	HTTVRMTR11KV/110V10/5A30MIP 0.5S(RAPDRP)	EA	5119
MHT30023	HT STATIC TRIVECTOR METER Wth TTB 10/5A	EA	7704
MHT30026	HT TRIVECTOR METER 3X11 KV/110V /10/5A	EA	4414
MHT10023	HT METER BOXES	EA	3739
	<u>14.C) LT METERS</u>		
MTO10023	LT TRIVECTOR METER	EA	3286
MTE30001	3 PH 10-40A ELECTRONI METER WITH PP BOX	EA	1890
MTE30014	3PH 10-40A ESE METER(STEP MOTOR)W/O PPBX	EA	1452
MTE30011	3PH 10-40A CONT TY METER W/O PP BOX	EA	948
MTM30009	3 PH 5A ELE MECH METERS	EA	659
MTM30012	3 PH 50A ELE MECH METERS	EA	659
MTM10001	1 PH 2.5-10A ELE MECH METER	EA	999
MTM10003	1 PH 2.5-10A ELE MECHANICAL METER-SICK	EA	999
MTE10015	1PH 5-20A COUNTER TYPE METER WITH PP BOX	EA	350
MTE10018	1PH 5-30A ELECTRO STATIC ENERGY METERS	EA	948
MTM10006	1 PH 5-20A ELE MECHANICAL METER	EA	752
MTE10014	1 PH 5-20A ELE METER WITH PP BOX	EA	458
	<u>14.D) CT OPERATED METERS</u>		

SAP Material code	Description of materials	UNIT	Rupees
MCT30015	3PH 200/5A LTCT OPERATED ELE METER CL1.0	EA	7725
MCT30020	3PH 4W LT/CT OPTD TRI MTR CLAS 1.00	EA	7725
MCT30007	3PH 200/5A LT CT OPERTD TVR METER CL 0.5	EA	7725
MCT30004	3PH 125/5A LT CT OPERTD TVR METER CL 0.5	EA	7210
MCT30039	3PH4W200/5A LTCTOPTVR MTR CL0.5S(RAPDRP)	EA	6922
MCT30014	3Ø 4W CT OPERATEDMETER WITH PPBOX 125/5A	EA	7328
MCT30038	3P 4W CT OP ELTRI MT125/5A PPB 0.5S W CT	EA	7262
MCT30016	3P 4W CT OP EL TRIV MTR 0.5 125/5A PP BX	EA	5979
MCT30037	3P 4W CT OP EL TRIV MT 125/5A CL 0.5S	EA	7044
MCT30011	3 PH LT CT OPERATED OBSOLETE METER	EA	1524
MCT30012	3 PH LT MD INDICATORS OBSOLETE	EA	1828
MCT30017	3Ph LT/CT OPERATED METERS /5 A Tested	EA	783
MCT30030	ASSEMBLED CT METER BOX WITH LT CT 125/5A	EA	4244
MCT30031	ASSEMBLED CT METER BOX WITH LT CT 100/5A	EA	4244
MCT30029	ASSEMBLED CT METER BOX WITH LT CT 50/5A	EA	6839
MCT30032	LTCT METER BOX W 1 CT METER&3 200/5A CTS	EA	6010
MCT30028	LTCT METER BOX W 1 CT METER&3 125/5A CTS	EA	3378
MCT30027	LTCT METER BOX WILTCT METER&3 100/5A CTS	EA	2652
MCT30026	LTCT METER BOX WILTCT METER&3 50/5A CTS	EA	1391
MCT30035	RIGGED UP 1PH SMC METER BOX LT CTs 50/5A	EA	1391
MCT30022	CT OPERATD 11KV/110V 200/5A 4WIRE E.M	EA	0
MCT30024	1PH 15/5A CT METER WITH BOX	EA	1710
	<u>14.E) LT CURRENT TRANSFORMER</u>		
ITR00015	LT CT'S 200/5A FOR LT TRIVECTOR METERS	EA	381
ITR00013	LT CT'S 200/5A	EA	381
ITR00012	LT CT'S 125/5A	EA	412
ITR00011	LT CT'S 100/5A	EA	536
ITR00014	LT CT'S 50/5A	EA	541
	<u>15) BOXES</u>		
BXS00041	HT METER BOX	EA	4120
BXS00011	A TY(SPL) DIST. BOX WITH 200A,500V FUSE	EA	6960
BXS00146	LT DISTR. BOX 3X2X1 ATYPE SPL.DIST.BOXES	EA	3502
BXS00010	A TYPE BOX	EA	3090
BXS00001	3 PHASE CT METER BOXES (EMPTY)	EA	1957
BXS00172	3 PHASE SPECIAL TYPE METER BOXES	EA	530
BXS00170	SMC 3 PHASE METER BOXES	EA	474
BXS00147	LT METER BOX	EA	433
BXS00171	SMC METER BOX FOR HOUSING 1-PH METER &CT	EA	381
BXS00174	SMC DISTRIBUTION BOX	EA	13300
	<u>16) EARTHING MATERIALS</u>		
EMT00006	CI EARTH PIPE 80 MM DIA 2.5MTS LENGTH	EA	2471
EMT00022	GI EARTH PIPE 40 MM 2.5 MTS LONG	EA	592
EMT00018	GI EARTH FLAT 25 MM X 4 MM	KG	26
	<u>17) OTHER MATERIALS</u>		

SAP Material code	Description of materials	UNIT	Rupees
OTH00057	A.C. DISTRIBUTION PANELS	EA	29175
OTH00126	DC ANNUNCIATION PANEL	EA	12360
CAH00060	HAND HELD COMPUTER FOR SPOT BILLING	EA	13081
OMT10030	CMRI WITH ACCESSORIES	EA	31621
FBE00027	LT OPEN WIRING FUSE SET STRUCTURE	EA	752

**Costdata per Km of 33 KV Line (Single Circuit) with 100 Sq.mm AAA Conductor over 11.0Mts.
Spun/PSCC Poles at 60 Mts. Span**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00007	11.0 mts PSCC Spun Pole	18	11300	Each	203400
2	FBE30004	33KV V cross arms without clamps	16	1026	Each	16416
3	FBE30006	33 KV Top Cleat with clamps	16	519	Each	8304
4	FBE00026	33KV Tapping Channel "X" Arms	4	1112	Each	4448
5	FBE00034	33KV MS Back Clamps for spun poles	20	162	Each	3240
6	FBE30010	33 KV MS Stay sets without clamps	8	525	Each	4200
7	FBE30002	33KV MS stay clamps	8	218	Set	1744
8	CDR00004	100 Sq.mm AAA Conductor	3.06	50953	K.M.	155916
9	INS30001	33 KV Pin - Insulator	51	387	Each	19737
10	HWR00003	33 KV GI Pin	51	163	Each	8313
11	INS30004	33KV Polymer Insulator	12	649	Each	7788
12	HWR00004	33KV Metal Parts	12	180	Set	2160
13		Concreting of Pole, Stay sets & Base concreting	LS		LS	17630
14		Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc.	LS		LS	3516
Total Cost of Material						456812
3% storage & handling charges on items (1) to (12)				435666		13070
3% Contingencies on Materials						13704
Labour & Transport						95355
Service Tax @ 12.36% on Labour & Transport						11786
BW Welfare cess @ 1% on Labour & Transport						954
BW Welfare cess @ 1% on cost of material (Excluding VAT)						4247
10% Estt. & Genl. Charges On Materials						45681
Total						641609

**Costdata per Km of 33 KV Line (Single Circuit) with 100 Sq.mm AAA Conductor over 12.5Mts.
Spun Poles at 60 Mts. Span**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00014	12.5 mts PSCC Spun Pole	18	12200	Each	219600
2	FBE30004	33KV V cross arms without clamps	16	1026	Each	16416
3	FBE30006	33 KV Top Cleat with clamps	16	519	Each	8304
4	FBE00026	33KV Tapping Channel "X" Arms	4	1112	Each	4448
5	FBE00034	33KV MS Back Clamps for spun poles	20	162	Each	3240
6	FBE30010	33 KV MS Stay sets without clamps	8	525	Each	4200
7	FBE30002	33KV MS stay clamps	8	218	Set	1744
8	CDR00004	100 Sq.mm AAA Conductor	3.06	50953	K.M.	155916
9	INS30001	33 KV Pin - Insulator	51	387	Each	19737
10	HWR00003	33 KV GI Pin	51	163	Each	8313
11	INS30004	33KV Polymer Insulator	12	649	Each	7788
12	HWR00004	33KV Metal Parts	12	180	Set	2160
13		Concreting of Pole, Stay sets & Base concreting	LS		LS	17630
14		Misc. Items like coil earthing, pipe earthing,	LS		LS	3516
Total Cost of Material						473012
3% storage & handling charges on items (1) to (12)				451866		13556
3% Contingencies on Materials						14190
Labour & Transport						117855
Service Tax @ 12.36% on Labour & Transport						14567
BW Welfare cess @ 1% on Labour & Transport						1179
BW Welfare cess @ 1% on cost of material (Excluding VAT)						4419
10% Estt. & Genl. Charges On Materials						47301
Total						686079

**Costdata per Km of 33 KV Line (Double Circuit) with 100 Sq.mm AAA Conductor over 12.5Mts.
PSCC Poles at 60 Mts. Span**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00014	12.5 mts PSCC Spun Pole	18	12200	Each	219600
2	PLS00004	9.1mts PSCC Poles for strut	8	3640	Each	29120
3	FBE30004	33KV V cross arms without clamps	45	1026	Each	46170
4	FBE00026	33KV Tapping Channel "X" Arms	12	1112	Each	13344
5	FBE00034	33KV MS Back Clamps for spun poles	57	162	Each	9234
6	CDR00004	100 Sq.mm AAA Conductor	6.12	50953	K.M.	311832
7	INS30001	33 KV Pin - Insulator	96	387	Each	37152
8	HWR00003	33 KV GI Pin	96	163	Each	15648
9	INS30004	33KV Polymer Insulator	24	649	Each	15576
10	HWR00004	33KV Metal Parts	24	180	Set	4320
11	FBG00019	MS Stay Clamps for Strut	16	72	Each	1152
12		Concreting of Pole, Stay sets & Base concreting	LS		LS	17630
13		Misc. Items like coil earthing, pipe earthing,	LS		LS	3516
Total Cost of Material						724294
3% storage & handling charges on items (1) to (11)				703148		21094
3% Contingencies on Materials						21729
Labour & Transport						154330
Service Tax @ 12.36% on Labour & Transport						19075
BW Welfare cess @ 1% on Labour & Transport						1543
BW Welfare cess @ 1% on cost of material (Excluding VAT)						6821
10% Estt. & Genl. Charges On Materials						72429
Total						1021316
or say						1021300

**Costdata per Km of 33 KV Line with 100 Sq.mm AAA Conductor over 9.1 Mts.
PSCC Poles at 40 Mts. Span in Urban Areas.**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00004	9.1 mts PSCC Pole	27	3640	Each	98280
2	FBE30003	33KV V cross arms with clamps	24	1197	Each	28728
3	FBE30006	33 KV Top Cleat with clamps	24	519	Each	12456
4	FBE00026	33KV Tapping Channel "X" Arms	4	1112	Each	4448
5	FBE30001	33KV MS Back Clamps	4	139	Each	556
6	FBE30010	33 KV MS Stay sets without clamps	8	525	Each	4200
7	FBE30002	33KV MS stay clamps	8	218	Set	1744
8	CDR00004	100 Sq.mm AAA Conductor	3.06	50953	K.M.	155916
9	INS30001	33 KV Pin - Insulator	75	387	Each	29025
10	HWR00003	33 KV GI Pin	75	163	Each	12225
11	INS30004	33KV Polymer Insulator	12	649	Each	7788
12	HWR00004	33KV Metal Parts	12	180	Set	2160
13	MST00012	100 x 50 MS Channel for DP Structure (CP)	150	54	Kg	8100
14	MST00002	MS Angle 50 x 50 x 6 for DP Structure (CP)	80	54	Kg	4320
15	WRS00005	GI wire No.8	20	63	Kg	1260
16		Concreting of Pole, Stay sets & Base concreting	LS		LS	15630
17		Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc.	LS		LS	3516
Total Cost of Material						390352
3% storage & handling charges on items (1) to (15)				371206		11136
3% Contingencies on Materials						11711
Labour & Transport						81507
Service Tax @ 12.36% on Labour & Transport						10074
BW Welfare cess @ 1% on Labour & Transport						815
BW Welfare cess @ 1% on cost of material (Excluding VAT)						3702
10% Estt. & Genl. Charges On Materials						39035
Total						548333
or say						548300

**Costdata per Km of 33 KV Line with 100 Sq.mm AAA Conductor over 9.1 Mts.
PSCC Poles at 60 Mts. Span in Rural Areas.**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00004	9.1mts PSCC Pole	19	3640	Each	69160
2	FBE30003	33KV V cross arms with clamps	16	1197	Each	19152
3	FBE30006	33 KV Top Cleat with clamps	16	519	Each	8304
4	FBE00026	33KV Tapping Channel "X" Arms	4	1112	Each	4448
5	FBE30001	33KV MS Back Clamps	4	139	Each	556
6	FBE30010	33 KV MS Stay sets without clamps	8	525	Each	4200
7	FBE30002	33KV MS stay clamps	8	218	Set	1744
8	CDR00004	100 Sq.mm AAA Conductor	3.06	50953	K.M.	155916
9	INS30001	33 KV Pin - Insulator	51	387	Each	19737
10	HWR00003	33KV GI Pin	51	163	Each	8313
11	INS30004	33KV Polymer Insulator	12	649	Each	7788
12	HWR00004	33KV Metal Parts	12	180	Set	2160
13	MST00012	100 x 50 MS Channel for DP Structure (CP)	150	54	Kg	8100
14	MST00002	MS Angle 50 x 50 x 6 for DP Structure (CP)	80	54	Kg	4320
15	WRS00005	GI wire No.8	20	63	Kg	1260
16		Concreting of Pole, Stay sets & Base concreting	LS		LS	15630
17		Misc. Items like coil earthing, pipe earthing,	LS		LS	3516
Total Cost of Material						334304
				3% storage & handling charges on items (1) to (15)		9455
				3% Contingencies on Materials		10029
				Labour & Transport		63891
				Service Tax @ 12.36% on Labour & Transport		7897
				BW Welfare cess @ 1% on Labour & Transport		639
				BW Welfare cess @ 1% on cost of material (Excluding VAT)		3173
				10% Estt. & Genl. Charges On Materials		33430
					Total	462818
					or say	462800

**Costdata per Km of 11 KV Line with 100 Sq.mm AAA Conductor over 9.1Mts.
PSCC Poles at 40 Mts. Span in Urban Areas.**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00004	9.1mts PSCC Pole	27	3640	Each	98280
2	FBE10028	11KV Angle V-X Arm With Clamp 140 KG	23	533	Each	12259
3	FBE10007	11KV Top Cleat with Clamps	23	281	Each	6463
4	FBE10004	11KV MS Channel "X" Arms (Tapping) 75 x 40	4	545	Each	2180
5	FBE00002	11KV MS back clamps for 9.1mts PSCC Poles	4	100	Each	400
6	FBE10022	Stay sets with clamps	8	448	Each	3584
7	CDR00004	100 Sq.mm AAA Conductor	3.06	50953	K.M.	155916
8	INS10001	11 KV Pin - Insulator	72	54	Each	3888
9	HWR00001	11KV GI Pin	72	59	Each	4248
10	INS10003	11KV polymer insulators (C&T)	12	196	Each	2352
11	HWR00002	11KV metal parts (C&T)	12	82	Set	984
12	MST00012	100 x 50 MS Channel for DP Structure (CP)	120	54	Kg	6480
13	MST00002	MS Angle 50 x 50 x 6 for DP Structure (CP)	60	54	Kg	3240
14	WRS00005	GI wire No.8	20	63	Kg	1260
15		Concreting of Pole, Stay sets & Base concreting	LS		LS	16322
16		Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc.	LS		LS	4040
Total Cost of Material						321896
3% storage & handling charges on items (1) to (14)				301534		9046
3% Contingencies on Materials						9657
Labour & Transport						78097
Service Tax @ 12.36% on Labour & Transport						9653
BW Welfare cess @ 1% on Labour & Transport						781
BW Welfare cess @ 1% on cost of material (Excluding VAT)						3055
10% Estt. & Genl. Charges On Materials						32190
						Total
						464374
						or say
						464400

**Costdata per Km of 11 KV Line with 55 Sq.mm AAA Conductor over 9.1Mts.
PSCC Poles at 60 Mts. Span in Rural areas**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00004	9.1mts PSCC Pole	18	3640	Each	65520
2	FBE10034	11KV Angle V-X Arm With Clamp200 KG	15	533	Each	7995
3	FBE10007	Top Clamp with cleat	15	281	Each	4215
4	FBE10004	11KV MS Channel "X" Arms (Tapping) 75 x 40	4	545	Each	2180
5	FBE00002	11KV MS back clamps for 9.1mts PSCC Poles	4	100	Each	400
6	FBE10022	Stay sets with clamps	8	448	Each	3584
7	CDR00003	55 Sq.mm AAA Conductor	3.06	29490	K.M.	90239
8	INS10001	11 KV Pin - Insulator	48	54	Each	2592
9	HWR00001	11KV GI Pin	48	59	Each	2832
10	INS10003	11KV polymer insulators (C&T)	12	196	Each	2352
11	HWR00002	11KV metal parts (C&T)	12	82	Set	984
12	MST00012	100 x 50 MS Channel for DP Structure (CP)	120	54	Kg	6480
13	MST00002	MS Angle 50 x 50 x 6 for DP Structure (CP)	60	54	Kg	3240
14	WRS00005	GI wire No.8	20	63	Kg	1260
15		Concreting of Pole, Stay sets & Base concreting	LS		LS	16322
16		Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc.	LS		LS	4040
Total Cost of Material						214235
3% storage & handling charges on items (1) to (14)				193873		5816
3% Contingencies on Materials						6427
Labour & Transport						51538
Service Tax @ 12.36% on Labour & Transport						6370
BW Welfare cess @ 1% on Labour & Transport						515
BW Welfare cess @ 1% on cost of material (Excluding VAT)						2033
10% Estt. & Genl. Charges On Materials						21424
					Total or say	308358 308400

**Costdata per Km of 11 KV Line with 55 Sq.mm AAA Conductor over 8.0Mts.
PSCC Poles (140Kgs) at 50 Mts. Span in Rural Areas**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole	22	1875	Each	41250
2	FBE10028	11KV Angle V-X Arm With Clamp 140 KG	18	533	Each	9594
3	FBE10007	Top Clamp with cleat	18	281	Each	5058
4	FBE10004	11KV MS Channel "X" Arms (Tapping) 75 x 40	4	545	Each	2180
5	FBE00002	11KV MS back clamps for 9.1mts PSCC Poles	4	100	Each	400
6	FBE10022	Stay sets with clamps	8	448	Each	3584
7	CDR00003	55 Sq.mm AAA Conductor	3.06	29490	K.M.	90239
8	INS10001	11 KV Pin - Insulator	57	54	Each	3078
9	HWR00001	11KV GI Pin	57	59	Each	3363
10	INS10003	11KV polymer insulators (C&T)	12	196	Each	2352
11	HWR00002	11KV metal parts (C&T)	12	82	Set	984
12	MST00012	100 x 50 MS Channel for DP Structure (CP)	120	54	Kg	6480
13	MST00002	MS Angle 50 x 50 x 6 for DP Structure (CP)	60	54	Kg	3240
14	WRS00005	GI wire No.8	20	63	Kg	1260
15		Concreting of Pole, Stay sets & Base concreting	LS		LS	16322
16		Misc. Items like coil earthing, pipe earthing,	LS		LS	4040
Total Cost of Material						193424
				3% storage & handling charges on items (1) to (14)	173062	5192
				3% Contingencies on Materials		5803
				Labour & Transport		43252
				Service Tax @ 12.36% on Labour & Transport		5346
				BW Welfare cess @ 1% on Labour & Transport		433
				BW Welfare cess @ 1% on cost of material (Excluding VAT)		1842
				10% Estt. & Genl. Charges On Materials		19342

Total	274634
or say	274600

**Costdata per Km of 11 KV Line with 55 Sq.mm AAA Conductor over 8.0 Mts.
PSCC Poles (200Kgs) at 50 Mts. Span in Rural Areas.**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00002	8.0mts PSCC Pole	22	1995	Each	43890
2	FBE10034	11KV Angle V-X Arm With Clamp200 KG	18	533	Each	9594
3	FBE10007	Top Clamp with cleat	18	281	Each	5058
4	FBE10004	11KV MS Channel "X" Arms (Tapping) 75 x 40	4	545	Each	2180
5	FBE00002	11KV MS back clamps for 9.1mts PSCC Poles	4	100	Each	400
6	FBE10022	Stay sets with clamps	8	448	Each	3584
7	CDR00003	55 Sq.mm AAA Conductor	3.06	29490	K.M.	90239
8	INS10001	11 KV Pin - Insulator	57	54	Each	3078
9	HWR00001	11KV GI Pin	57	59	Each	3363
10	INS10003	11KV polymer insulators (C&T)	12	196	Each	2352
11	HWR00002	11KV metal parts (C&T)	12	82	Set	984
12	MST00012	100 x 50 MS Channel for DP Structure (CP)	120	54	Kg	6480
13	MST00002	MS Angle 50 x 50 x 6 for DP Structure (CP)	60	54	Kg	3240
14	WRS00005	GI wire No.8	20	63	Kg	1260
15		Concreting of Pole, Stay sets & Base concreting	LS		LS	16322
16		Misc. Items like coil earthing, pipe earthing,	LS		LS	4040
Total Cost of Material						196064
				3% storage & handling charges on items (1) to (14)		5271
				3% Contingencies on Materials		5882
				Labour & Transport		43489
				Service Tax @ 12.36% on Labour & Transport		5375
				BW Welfare cess @ 1% on Labour & Transport		435
				BW Welfare cess @ 1% on cost of material (Excluding VAT)		1864
				10% Estt. & Genl. Charges On Materials		19606
Total						277987
or say						278000

**Costdata per Km of 6.3 KV S-ph Line with 55 Sq.mm AAA Conductor over 9.1 Mts.
PSCC Poles at 50 Mts. Span in Urban Areas**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00004	9.1mts PSCC Pole	21	3640	Each	76440
2	FBE10007	Top Clamp with cleat	19	281	Each	5339
3	FBE00033	LT S-ph 2W cross arms without clamp	21	268	Each	5628
4	FBE00041	MS Back Clamp	21	72	Each	1512
5	FBE10022	Stay sets	6	448	Each	2688
6	CDR00003	55 Sq.mm AAA Conductor	2.04	29490	K.M.	60160
7	INS10001	11 KV Pin - Insulator	20	54	Each	1080
8	HWR00001	11KV GI Pin	20	59	Each	1180
9	INS00001	LT Pin Isulator	19	14	Each	266
10	HWR00015	LT GI Pins	19	29	Each	551
11	INS00002	LT Shackles	4	12	Each	48
12	HWR00016	LT metal parts	4	32	Set	128
13	INS10003	11KV polymer insulators (C&T)	4	196	Each	784
14	HWR00002	11KV metal parts (C&T)	4	82	Set	328
15		Concreting of Pole,Stay sets & Base concreting	LS		L.S.	16322
16		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.	LS		L.S.	2257
Total Cost of Material						174711
3% storage & handling charges on items (1) to (14)				79692		2391
3% Contingencies on Materials						5241
Labour & Transport						52371
Service Tax @ 12.36% on Labour & Transport						6473
BW Welfare cess @ 1% on Labour & Transport						524
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1655
10% Estt. & Genl. Charges on Materials						17471
Total						260836
or say						260800

**Costdata per Km of 6.3 KV S-ph Line with 55 Sq.mm AAA Conductor over 8.0 Mts.
PSCC Poles (140Kgs) at 60 Mts. Span in Rural Areas**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00002	8.0 mts PSCC Pole	18	1875	Each	33750
2	FBE10007	Top Clamp with cleat	16	281	Each	4496
3	FBE00033	LT S-ph 2W cross arms without clamp	18	268	Each	4824
4	FBE00041	MS Back Clamp	18	72	Each	1296
5	FBE10022	Stay sets	6	448	Set	2688
6	CDR00003	55 Sq.mm AAA Conductor	2.04	29490	K.M.	60160
7	INS10001	11 KV Pin - Insulator	16	54	Each	864
8	HWR00001	11KV GI Pin	16	59	Each	944
9	INS00001	LT Pin Isulator	16	14	Each	224
10	HWR00015	LT GI Pins	16	29	Each	464
11	INS00002	LT Shackles	4	12	Each	48
12	HWR00016	LT metal parts	4	32	Set	128
13	INS10003	11KV polymer insulators (C&T)	4	196	Each	784
14	HWR00002	11KV metal parts (C&T)	4	82	Set	328
15		Concreting of Pole, Stay sets & Base concreting		Ls	L.S.	16322
16		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.		Ls	L.S.	2257
Total Cost of Material						129577
3% storage & handling charges on items (1) to (14)				110998		3330
3% Contingencies on Materials						3887
Labour & Transport						32788
Service Tax @ 12.36% on Labour & Transport						4053
BW Welfare cess @ 1% on Labour & Transport						328
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1233
10% Estt. & Genl. Charges on Materials						12958
Total						188153
or say						188200

**Costdata per Km of LT 3-Ph 5 Wire Line(Horizontal formation) with
4 x 55 Sq.mm + 1 x 34 Sq.mm AAAC
over 8.0 Mts. PSCC Poles (200Kgs) at 40 Mts in Urban areas**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00002	8.0 mts PSCC Pole (2 poles for strut)	28	1995	Each	55860
2	FBE00008	L.T. 3 Phase 5W cross arms	26	381	Each	9906
3	FBE00001	Back Clamp	26	72	Each	1872
4	FBE00028	MS Stay sets with clamps	4	319	Each	1276
5	CDR00003	55 Sq.mm AAA Conductor	4.08	29490	K.M.	120319
6	CDR00002	34 Sq.mm AAA Conductor	1.02	17685	K.M.	18039
7	INS00002	LT Shackles	20	12	Each	240
8	HWR00016	LT metal parts	20	32	Set	640
9	INS00001	LT Pin Isulator	96	14	Each	1344
10	HWR00015	LT GI Pins	96	29	Each	2784
11	FBE00048	MS Strut Clamps for 8.0mts (Set)	2	77	Each	154
12		Concreting of Pole,Stay sets & Base concreting			L.S.	16322
13		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						231970
3% storage & handling charges on items (1) to (11)				212434		6373
3% Contingencies on Materials						6959
Labour & Transport						52753
Service Tax @ 12.36% on Labour & Transport						6520
BW Welfare cess @ 1% on Labour & Transport						528
BW Welfare cess @ 1% on cost of material (Excluding VAT)						2202
10% Estt. & Genl. Charges on Materials						23197
					Total or say	330502 330500

**Costdata per Km of LT 3-Ph 5 Wire Line(Horizontal formation) with
3 x 55 Sq.mm + 2 x 34 Sq.mm AAAC over 8.0Mts.
PSCC Poles (200Kgs) at 50 Mts. Span in Rural Areas (MHQs & Major Panchayath)**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00002	8.0mts PSCC Pole	21	1995	Each	41895
2	FBE00008	L.T. 3 Phase 5W cross arms	21	381	Each	8001
3	FBE00001	Back Clamp	21	72	Each	1512
4	FBE00028	MS Stay sets with clamps	4	319	Each	1276
5	CDR00003	55 Sq.mm AAA Conductor	3.06	29490	K.M.	90239
6	CDR00002	34 Sq.mm AAA Conductor	2.04	17685	K.M.	36077
7	INS00002	LT Shackles	20	12	Each	240
8	HWR00016	LT metal parts	20	32	Set	640
9	INS00001	LT Pin Isulator	76	14	Each	1064
10	HWR00015	LT GI Pins	76	29	Each	2204
11		Concreting of Pole,Stay sets & Base concreting			L.S.	16322
12		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						202685
3% storage & handling charges on items (1) to (10)				183149		5494
3% Contingencies on Materials						6081
Labour & Transport						42613
Service Tax @ 12.36% on Labour & Transport						5267
BW Welfare cess @ 1% on Labour & Transport						426
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1925
10% Estt. & Genl. Charges on Materials						20268
Total						284759
or say						284800

**Costdata per Km of LT 3-Ph 5 Wire Line(Horizontal formation) with
5 x 34 Sq.mm AAAC over 8.0 Mts.
PSCC Poles (200Kgs) at 50 Mts. Span in Rural Areas**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00002	8.0mts PSCC Pole	21	1995	Each	41895
2	FBE00008	L.T. 3 Phase 5W cross arms	21	381	Each	8001
3	FBE00001	Back Clamp	21	72	Each	1512
4	FBE00028	MS Stay sets with clamps	4	319	Each	1276
5	CDR00002	34 Sq.mm AAA Conductor	5.10	17685	K.M.	90194
6	INS00002	LT Shackles	20	12	Each	240
7	HWR00016	LT metal parts	20	32	Set	640
8	INS00001	LT Pin Isulator	76	14	Each	1064
9	HWR00015	LT GI Pins	76	29	Each	2204
10		Concreting of Pole,Stay sets & Base concreting	L.S.		L.S.	16322
11		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.	L.S.		L.S.	3214
Total Cost of Material						166562
3% storage & handling charges on items (1) to (9)				147026		4411
3% Contingencies on Materials						4997
Labour & Transport						38340
Service Tax @ 12.36% on Labour & Transport						4739
BW Welfare cess @ 1% on Labour & Transport						383
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1581
10% Estt. & Genl. Charges on Materials						16656
Total						237668
or say						237700

**Costdata per Km of LT 3-Ph 5 Wire Line(Horizontal formation) with
4 x 55 Sq.mm + 1 x 34 Sq.mm AAAC
over 8.0 Mts. PSCC Poles (140Kgs) at 40 Mts in Urban areas (Corporation & Municipalities)**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0 mts PSCC Pole (2 poles for strut)	28	1875	Each	52500
2	FBE00008	L.T. 3 Phase 5W cross arms	26	381	Each	9906
3	FBE00001	Back Clamp	26	72	Each	1872
4	FBE00028	MS Stay sets with clamps	4	319	Each	1276
5	CDR00003	55 Sq.mm AAA Conductor	4.08	29490	K.M.	120319
6	CDR00002	34 Sq.mm AAA Conductor	1.02	17685	K.M.	18039
7	INS00002	LT Shackles	20	12	Each	240
8	HWR00016	LT metal parts	20	32	Set	640
9	INS00001	LT Pin Isulator	96	14	Each	1344
10	HWR00015	LT GI Pins	96	29	Each	2784
11	FBE00048	MS Strut Clamps for 8.0mts (Set)	2	77	Each	154
12		Concreting of Pole,Stay sets & Base concreting			L.S.	16322
13		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						228610
3% storage & handling charges on items (1) to (11)				209074		6272
3% Contingencies on Materials						6858
Labour & Transport						52752
Service Tax @ 12.36% on Labour & Transport						6520
BW Welfare cess @ 1% on Labour & Transport						528
BW Welfare cess @ 1% on cost of material (Excluding VAT)						2175
10% Estt. & Genl. Charges on Materials						22861
					Total	326576
					or say	326600

**Costdata per Km of LT 3-Ph 5 Wire Line(Horizontal formation) with
3 x 55 Sq.mm + 2 x 34 Sq.mm AAAC over 8.0Mts.
PSCC Poles (140Kgs) at 50 Mts. Span in Rural Areas (MHQs & Major Panchayaths)**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole	21	1875	Each	39375
2	FBE00008	L.T. 3 Phase 5W cross arms	21	381	Each	8001
3	FBE00001	Back Clamp	21	72	Each	1512
4	FBE00028	MS Stay sets with clamps	4	319	Each	1276
5	CDR00003	55 Sq.mm AAA Conductor	3.06	29490	K.M.	90239
6	CDR00002	34 Sq.mm AAA Conductor	2.04	17685	K.M.	36077
7	INS00002	LT Shackles	20	12	Each	240
8	HWR00016	LT metal parts	20	32	Set	640
9	INS00001	LT Pin Isulator	76	14	Each	1064
10	HWR00015	LT GI Pins	76	29	Each	2204
11		Concreting of Pole,Stay sets & Base concreting			L.S.	16322
12		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						200165
3% storage & handling charges on items (1) to (10)				180629		5419
3% Contingencies on Materials						6005
Labour & Transport						42613
Service Tax @ 12.36% on Labour & Transport						5267
BW Welfare cess @ 1% on Labour & Transport						426
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1904
10% Estt. & Genl. Charges on Materials						20016
Total						281815
or say						281800

**Costdata per Km of LT 3-Ph 5 Wire Line(Horizontal formation) with
5 x 34 Sq.mm AAAC over 8.0 Mts.
PSCC Poles (140Kgs) at 50 Mts. Span in Rural Areas**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole	21	1875	Each	39375
2	FBE00008	L.T. 3 Phase 5W cross arms	21	381	Each	8001
3	FBE00001	Back Clamp	21	72	Each	1512
4	FBE00028	MS Stay sets with clamps	4	319	Each	1276
5	CDR00002	34 Sq.mm AAA Conductor	5.10	17685	K.M.	90194
6	INS00002	LT Shackles	20	12	Each	240
7	HWR00016	LT metal parts	20	32	Set	640
8	INS00001	LT Pin Isulator	76	14	Each	1064
9	HWR00015	LT GI Pins	76	29	Each	2204
10		Concreting of Pole,Stay sets & Base concreting	L.S.		L.S.	16322
11		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.	L.S.		L.S.	3214
Total Cost of Material						164042
3% storage & handling charges on items (1) to (9)				144506		4335
3% Contingencies on Materials						4921
Labour & Transport						39100
Service Tax @ 12.36% on Labour & Transport						4833
BW Welfare cess @ 1% on Labour & Transport						391
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1560
10% Estt. & Genl. Charges on Materials						16404
Total						235586
or say						235600

**Costdata per Km of LT 3-Ph 4 Wire Line(Horizontal formation) with
4 x 55 Sq.mm AAAC over 8.0 Mts.
PSCC Poles (140Kgs) at 40 Mts. Span in Urban Areas (Corporation & Municipalities)**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole (2 poles for strut)	28	1875	Each	52500
2	FBE00009	LT 3-Ph 4W Cross arms with clamp	26	372	Each	9672
3	FBE00028	MS Stay sets with clamps	4	319	Each	1276
4	CDR00003	55 Sq.mm AAA Conductor	4.08	29490	K.M.	120319
5	INS00002	LT Shackles	16	12	Each	192
6	HWR00016	LT metal parts	16	32	Set	512
7	INS00001	LT Pin Isulator	72	14	Each	1008
8	HWR00015	LT GI Pins	72	29	Each	2088
9	FBE00048	MS Strut Clamps for 8.0mts (Set)	2	77	Each	154
10		Concreting of Pole,Stay sets & Base concreting			L.S.	16322
11		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						207257
3% storage & handling charges on items (1) to (9)				187721		5632
3% Contingencies on Materials						6218
Labour & Transport						50036
Service Tax @ 12.36% on Labour & Transport						6184
BW Welfare cess @ 1% on Labour & Transport						500
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1971
10% Estt. & Genl. Charges on Materials						20726
Total						298524
						or say 298500

**Costdata per Km of LT 3 Ph 4 Wire Line(Horizontal formation) with
4 x 34 Sq.mm AAAC over 8.0 Mts.
PSCC Poles (140Kgs) at 50 Mts. Span in Rural Areas**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole	21	1875	Each	39375
2	FBE00009	LT 3-Ph 4W Cross arms with clamp	21	372	Each	7812
3	FBE00028	MS Stay sets with clamps	4	319	Each	1276
4	CDR00002	34 Sq.mm AAA Conductor	4.08	17685	K.M.	72155
5	INS00002	LT Shackles	16	12	Each	192
6	HWR00016	LT metal parts	16	32	Set	512
7	INS00001	LT Pin Isulator	57	14	Each	798
8	HWR00015	LT GI Pins	57	29	Each	1653
9		Concreting of Pole,Stay sets & Base concreting			L.S.	16322
10		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						143309
3% storage & handling charges on items (1) to (8)				123773		3713
3% Contingencies on Materials						4299
Labour & Transport						36514
Service Tax @ 12.36% on Labour & Transport						4513
BW Welfare cess @ 1% on Labour & Transport						365
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1363
10% Estt. & Genl. Charges on Materials						14331
					Total	208407
					or say	208400

**Costdata per Km of LT 3 Ph 4 Wire Line(Horizontal formation) with
4 x 55 Sq.mm AAAC over 8.0 Mts.
PSCC Poles (140Kgs) at 50 Mts. Span in Rural Areas (MHQs & Major Panchayath)**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole	21	1875	Each	39375
2	FBE00009	LT 3-Ph 4W Cross arms with clamp	21	372	Each	7812
3	FBE00028	MS Stay sets with clamps	4	319	Each	1276
4	CDR00003	55 Sq.mm AAA Conductor	4.08	29490	K.M.	120319
5	INS00002	LT Shackles	16	12	Each	192
6	HWR00016	LT metal parts	16	32	Set	512
7	INS00001	LT Pin Isulator	57	14	Each	798
8	HWR00015	LT GI Pins	57	29	Each	1653
9		Concreting of Pole,Stay sets & Base concreting			L.S.	16322
10		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						191473
3% storage & handling charges on items (1) to (8)				171937		5158
3% Contingencies on Materials						5744
Labour & Transport						41198
Service Tax @ 12.36% on Labour & Transport						5092
BW Welfare cess @ 1% on Labour & Transport						412
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1822
10% Estt. & Genl. Charges on Materials						19147
Total						270047
or say						270000

**Costdata per Km of LT S-Ph 3 Wire Line(Horizontal formation)
with 55 Sqmm AAAC over 8.0 Mts.
PSCC Poles (140Kgs) at 40 Mts. Span in Urban Areas (Corporation & Municipalities)**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole (2poles for strut)	28	1875	Each	52500
2	FBE00006	LT S-Ph 3W Cross arms with clamp	26	391	Each	10166
3	FBE00028	MS Stay sets with clamps	4	319	Each	1276
4	CDR00003	55 Sq.mm AAA Conductor	3.06	29490	K.M.	90239
5	INS00002	LT Shackles	12	12	Each	144
6	HWR00016	LT metal parts	12	32	Set	384
7	INS00001	LT Pin Isulator	48	14	Each	672
8	HWR00015	LT GI Pins	48	29	Each	1392
9	FBE00048	MS Strut Clamps for 8.0mts (Set)	2	77	Each	154
10		Concreting of Pole,Stay sets & Base concreting			L.S.	16322
11		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						176463
				3% storage & handling charges on items (1) to (9)		4708
				3% Contingencies on Materials		5294
				Labour & Transport		46149
				Service Tax @ 12.36% on Labour & Transport		5704
				BW Welfare cess @ 1% on Labour & Transport		461
				BW Welfare cess @ 1% on cost of material (Excluding VAT)		1678
				10% Estt. & Genl. Charges on Materials		17646
Total or say						258104 258100

**Costdata per Km of LT S-Ph 3 Wire Line(Horizontal formation)
with 34 Sqmm AAAC over 8.0 Mts.**

PSCC Poles (140Kgs) at 50 Mts. Span in Rural Areas

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole	21	1875	Each	39375
2	FBE00006	LT S-Ph 3W Cross arms with clamp	21	391	Each	8211
3	FBE00028	MS Stay sets with clamps	4	319	Each	1276
4	CDR00002	34 Sq.mm AAA Conductor	3.06	17685	K.M.	54116
5	INS00002	LT Shackles	12	12	Each	144
6	HWR00016	LT metal parts	12	32	Set	384
7	INS00001	LT Pin Isulator	38	14	Each	532
8	HWR00015	LT GI Pins	38	29	Each	1102
9		Concreting of Pole,Stay sets & Base concreting			L.S.	16322
10		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						124676
				3% storage & handling charges on items (1) to (8)		105140
				3% Contingencies on Materials		3740
				Labour & Transport		33928
				Service Tax @ 12.36% on Labour & Transport		4194
				BW Welfare cess @ 1% on Labour & Transport		339
				BW Welfare cess @ 1% on cost of material (Excluding VAT)		1186
				10% Estt. & Genl. Charges on Materials		12468
Total						183685
or say						183700

**Costdata per Km of LT S-Ph 3 Wire Line(Horizontal formation)
with 55 Sqmm AAAC over 8.0 Mts.
PSCC Poles (140Kgs) at 50 Mts. Span inRural Areas (MHQs & Major panchayaths)**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole	21	1875	Each	39375
2	FBE00006	LT S-Ph 3W Cross arms with clamp	21	391	Each	8211
3	FBE00028	MS Stay sets with clamps	4	319	Each	1276
4	CDR00003	55 Sq.mm AAA Conductor	3.06	29490	K.M.	90239
5	INS00002	LT Shackles	12	12	Each	144
6	HWR00016	LT metal parts	12	32	Set	384
7	INS00001	LT Pin Isulator	38	14	Each	532
8	HWR00015	LT GI Pins	38	29	Each	1102
9		Concreting of Pole,Stay sets & Base concreting			L.S.	16322
10		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						160799
3% storage & handling charges on items (1) to (8)				141263		4238
3% Contingencies on Materials						4824
Labour & Transport						37441
Service Tax @ 12.36% on Labour & Transport						4628
BW Welfare cess @ 1% on Labour & Transport						374
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1530
10% Estt. & Genl. Charges on Materials						16080
						Total or say
						229914 229900

**Costdata per Km of LT S-Ph 2 Wire Line(Horizontal formation)
with 2 x 55 Sqmm AAAC over 8.0Mts.**

PSCC Poles (140Kgs) at 40 Mts. Span in Urban Areas (Corporations & Municipalities)

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole (2poles for strut)	28	1875	Each	52500
2	FBE00033	L.T. S. Phase 2W cross arms without clamp	26	268	Each	6968
3	FBE00001	Back Clamp	26	72	Each	1872
4	FBE00028	MS Stay sets with clamps	4	319	Each	1276
5	CDR00003	55 Sq.mm AAA Conductor	2.04	29490	K.M.	60160
6	INS00002	LT Shackles	8	12	Each	96
7	HWR00016	LT metal parts	8	32	Set	256
8	INS00001	LT Pin Isulator	24	14	Each	336
9	HWR00015	LT GI Pins	24	29	Each	696
10	FBE00048	MS Strut Clamps for 8.0mts (Set)	2	77	Each	154
11		Concreting of Pole,Stay sets & Base concreting			L.S.	11993
12		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3192
Total Cost of Material						139499
3% storage & handling charges on items (1) to (10)				124314		3729
3% Contingencies on Materials						4185
Labour						42262
Service Tax @ 12.36% on Labour & Transport						5224
BW Welfare cess @ 1% on Labour & Transport						423
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1328
10% Estt. & Genl. Charges on Materials						13950
Total						210599
or say						210600

**Costdata per Km of LT S-Ph 2 Wire Line(Horizontal formation)
with 2 x 34 Sqmm AAAC over 8.0Mts.
PSCC Poles (140Kgs) at 50 Mts. Span in Rural Areas**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole	21	1875	Each	39375
2	FBE00033	L.T. S. Phase 2W cross arms without clamp	21	268	Each	5628
3	FBE00001	Back Clamp	21	72	Each	1512
4	FBE00028	MS Stay sets with clamps	4	319	Each	1276
5	CDR00002	34 Sq.mm AAA Conductor	2.04	17685	K.M.	36077
6	INS00002	LT Shackles	8	12	Each	96
7	HWR00016	LT metal parts	8	32	Set	256
8	INS00001	LT Pin Isulator	24	14	Each	336
9	HWR00015	LT GI Pins	24	29	Each	696
10		Concreting of Pole,Stay sets & Base concreting			L.S.	11993
11		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3192
		Total Cost of Material				100437
		3% storage & handling charges on items (1) to (9)		85252		2558
		3% Contingencies on Materials				3013
		Labour				31472
		Service Tax @ 12.36% on Labour & Transport				3890
		BW Welfare cess @ 1% on Labour & Transport				315
		BW Welfare cess @ 1% on cost of material (Excluding VAT)				956
		10% Estt. & Genl. Charges on Materials				10044
					Total	152684
					or say	152700

**Costdata per Km of LT S-Ph 2 Wire Line(Horizontal formation)
with 2 x 55 Sqmm AAAC over 8.0Mts.
PSCC Poles (140Kgs) at 50 Mts. Span in Urban Areas (MHQs & Major Panchayath)**

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00001	8.0mts PSCC Pole	21	1875	Each	39375
2	FBE00033	L.T. S. Phase 2W cross arms without clamp	21	268	Each	5628
3	FBE00001	Back Clamp	21	72	Each	1512
4	FBE00028	MS Stay sets with clamps	4	319	Each	1276
5	CDR00003	55 Sq.mm AAA Conductor	2.04	29490	K.M.	60160
6	INS00002	LT Shackles	8	12	Each	96
7	HWR00016	LT metal parts	8	32	Set	256
8	INS00001	LT Pin Isulator	24	14	Each	336
9	HWR00015	LT GI Pins	24	29	Each	696
10		Concreting of Pole,Stay sets & Base concreting			L.S.	11993
11		Misc. Items like coil earthing, pipe earthings, danger-boards, bolts & nuts, etc.			L.S.	3192
Total Cost of Material						124520
		3% storage & handling charges on items (1) to (9)		109335		3280
		3% Contingencies on Materials				3736
		Labour & Transport				33814
		Service Tax @ 12.36% on Labour & Transport				4179
		BW Welfare cess @ 1% on Labour & Transport				338
		BW Welfare cess @ 1% on cost of material (Excluding VAT)				1185
		10% Estt. & Genl. Charges on Materials				12452
						Total or say
						183504
						183500

**Costdata per Km of LT line with 3 x 16 + 25 Sqmm AB Cable over 8.0 Mts.
PSCC Poles at 65 Mts. Span, 75 Kg/Sq.Mt wind pressure, working load 140 Kgs.**

Sl. No.	Material code	Particulars	Qty. Nos	Rate in Rs.	Per Unit	Amount in Rs.
1	PIS00001	8.0mts PSCC Pole	16	1875	Each	30000
2	HWR00012	Hardware Suspension clamp (eye hook)	14	175	Each	2450
3	HWR00009	Dead end clamp with eye hook	4	113	Each	452
4	FBE00028	MS Stay sets with clamps	4	319	Set	1276
5	CBA00003	L.T. A.B. Cable 3 x 16 + 25 Sqmm	1.02	49000	K.M.	49980
6	SCB00058	LT Connector for AB Cable with insulation	64	82	Each	5248
7		Concreting of Pole, Stay concreting & Base concreting			L.S.	16322
8		Misc. Items like coil earthing, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						108942
				3% storage & handling charges on items (1) to (6)		89406
				3% Contingencies on Materials		2682
				Labour & Transport		3268
				Service Tax @ 12.36% on Labour & Transport		27421
				BW Welfare cess @ 1% on Labour & Transport		3389
				BW Welfare cess @ 1% on cost of material (Excluding VAT)		274
				10% Estt. & Genl. Charges on Materials		1037
						Total
						or say
						157908
						157900

**Costdata per Km of LT line with 2 x 16 + 25 Sqmm AB Cable over 8.0Mts.
PSCC Poles(140 kgs) at 50 Mts. Span in Rural areas.**

Sl. No.	Material code	Particulars	Qty.Nos	Rate in Rs.	Per Unit	Amount in Rs.
1	PIS00001	8.0mts PSCC Pole	21	1875	Each	39375
2	HWR00012	Hardware Suspension clamp (eye hook)	19	175	Each	3325
3	HWR00009	Dead end clamp with eye hook	4	113	Each	452
4	FBE00028	MS Stay sets with clamps	4	319	Set	1276
5	CBA00002	L.T. A.B. Cable 2 x 16 + 25 Sqmm	1.02	34350	K.M.	35037
6	SCB00058	LT Connector for AB Cable with insulation	63	82	Each	5166
7		Concreting of Pole,Stay concreting & Base concreting			L.S.	16322
8		Misc. Items like coil earthing, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						104167
3% storage & handling charges on items (1) to (6)				84631		2539
3% Contingencies on Materials						3125
Labour & Transport						31936
Service Tax @ 12.36% on Labour & Transport						3947
BW Welfare cess @ 1% on Labour & Transport						319
BW Welfare cess @ 1% on cost of material (Excluding VAT)						979
10% Estt. & Genl. Charges on Materials						10417
						Total
						157429
						or say
						157400

R.E.C. - Construction Standard No. B-32/1984
Costdata per Km of LT line with 3 x 16 + 25 Sqmm AB Cable over 8.0 Mts.
PSCC Poles at 65 Mts. Span, 100 Kg/Sq.Mt wind pressure, working load 200 Kgs.

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	PLS00002	8.0mts PSCC Pole	16	1995	Each	31920
2	HWR00012	Hardware Suspension clamp (eye hook)	14	175	Each	2450
3	HWR00009	Dead end clamp with eye hook	4	113	Each	452
4	FBE00028	MS Stay sets with clamps	4	319	Set	1276
5	CBA00003	L.T. A.B. Cable 3 x 16 + 25 Sqmm	1.02	49000	K.M.	49980
6	SCB00058	LT Connector for AB Cable with insulation	64	82	Each	5248
7		Concreting of Pole, Stay concreting & Base concreting			L.S.	16322
8		Misc. Items like coil earthing, bolts & nuts, etc.			L.S.	3214
Total Cost of Material						110862
3% storage & handling charges on items (1) to (6)				91326		2740
3% Contingencies on Materials						3326
Labour & Transport						27421
Service Tax @ 12.36% on Labour & Transport						3389
BW Welfare cess @ 1% on Labour & Transport						274
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1053
10% Estt. & Genl. Charges on Materials						11086
						Total
						160151
						or say
						160200

R.E.C. - Construction Standard No. B-32/1984
Costdata per Km of LT line with 2 x 16 + 25 Sqmm AB Cable over 8.0 Mts.
PSCC Poles (200Kgs) at 50 Mts. Span in Rural Areas

Sl. No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.	
1	PLS00002	8.0mts PSCC Pole	21	1995	Each	41895	
2	HWR00012	Hardware Suspension clamp (eye hook)	19	175	Each	3325	
3	HWR00009	Dead end clamp with eye hook	4	113	Each	452	
4	FBE00028	MS Stay sets with clamps	4	319	Set	1276	
5	CBA00002	L.T. A.B. Cable 2 x 16 + 25 Sqmm	1.02	34350	K.M.	35037	
6	SCB00058	LT Connector for AB Cable with insulation	63	82	Each	5166	
7		Concreting of Pole, Stay concreting & Base concreting			L.S.	16322	
8		Misc. Items like coil earthing, bolts & nuts, etc.			L.S.	3214	
Total Cost of Material						106687	
3% storage & handling charges on items (1) to (6)				87151		2615	
3% Contingencies on Materials						3201	
Labour & Transport						31936	
Service Tax @ 12.36% on Labour & Transport						3947	
BW Welfare cess @ 1% on Labour & Transport						319	
BW Welfare cess @ 1% on cost of material (Excluding VAT)						1000	
10% Estt. & Genl. Charges on Materials						10669	
						Total	160373
						or say	160400

R.E.C. - Construction Standard Specification No. F3&F4/1981
Cost Data For Erection Of 100KVA-11KV/433V CSP Transformer
(Without LV Side Metering)

Sl. No.	Material code	Particulars	Cost of Material (Rs.)	Labour & Transport (Rs.)
1	DTC30006	11 KV/433V 100KVA CSP TRANSFORMER	144150	1354
2	ABS10002	11 KV 200Amps TT AB Switch with insulators	8322	1279
3	HGF10002	11 KV 3-Ph H.G. Fuse set	2493	271
4	HGF00004	L.T.3-Ph H.G. Fuse sets (2 Nos.)	3460	404
5	LAS00001	11KV Lightning Arrestors	4419	422
6		S.P structure (Including Earthing)	25546	10562
7		Solid Plinth/Pillar mounted plinth for DTR		11000
8		Misc. Items	480	
		Total Cost of Material	188870	25292
		3% storage & handling charges	5666	
		3% Contingencies on Materials	5666	
		Labour & Transport	25292	
		Service Tax @ 12.36% on Labour & Transport	3126	
		BW Welfare cess @ 1% on Labour & Transport	253	
		BW Welfare cess @ 1% on cost of material (Ex. VAT)	1786	
		10% Estt. & Genl. Charges on Materials	18887	
Total Cost in Rs.			249546	

R.E.C. - Construction Standard Specification No. F3&F4/1981
Cost Data For Erection Of 100KVA-11KV/433V

....
(Without LV Side Metering)

Sl. No.	Material code	Particulars	Cost of Material (Rs.)	Labour & Transport (Rs.)
1	DTA30006	11 KV/433V 100KVA Amorphous Distribution Transformer	144150	1354
2	ABS10002	11 KV 200Amps TT AB Switch with insulators	8322	1279
3	HGF10002	11 KV 3-Ph H.G. Fuse set	2493	271
4	HGF00004	L.T.3-Ph H.G. Fuse sets (2 Nos.)	3460	404
5	LAS00001	11KV Lightning Arrestors	4419	422
6		S.P structure (Including Earthing)	25546	10562
7		Solid Plinth/Pillar mounted plinth for DTR		11000
8		Misc. Items	480	
		Total Cost of Material	188870	25292
		3% storage & handling charges	5666	
		3% Contingencies on Materials	5666	
		Labour & Transport	25292	
		Service Tax @ 12.36% on Labour & Transport	3126	
		BW Welfare cess @ 1% on Labour & Transport	253	
		BW Welfare cess @ 1% on cost of material (Ex. VAT)	1786	
		10% Estt. & Genl. Charges on Materials	18887	
Total Cost in Rs.			249546	

R.E.C. - Construction Standard Specification No. F3&F4/1981
Cost Data For Erection Of 63KVA-11KV/433V CSP Transformer
(Without LV Side Metering)

Sl. No.	Material code	Particulars	Cost of Material (Rs.)	Labour & Transport (Rs.)
1	DTC30004	11 KV/433V 63KVA CSP Distribution Transformer	115200	1354
2	ABS10002	11 KV 200Amps TT AB Switch with insulators	8322	1279
3	HGF10002	11 KV 3-Ph H.G. Fuse set	2493	271
4	HGF00004	L.T.3-Ph H.G. Fuse sets	3460	404
5	LAS00001	11KV Lightning Arrestors	4419	422
6		S.P structure (Including Earthing)	25546	10562
7		Solid Plinth/Pillar mounted plinth for DTR		11000
8		Misc. Items	480	
Total Cost of Material			159920	25292
		3% storage & handling charges on items 1 to 5	4798	
		3% Contingencies on Materials	4798	
		Labour & Transport	25292	
		Service Tax @ 12.36% on Labour & Transport	3126	
		BW Welfare cess @ 1% on Labour & Transport	253	
		BW Welfare cess @ 1% on cost of material (Ex. VAT)	1523	
		10% Estt. & Genl. Charges on Materials	15992	
Total Cost in Rs.			215701	

R.E.C. - Construction Standard Specification No. F3&F4/1981

**Cost Data For Erection Of 63KVA-11KV/433V CSP Amorphous Metal Core Transformer
(Without LV Side Metering)**

Sl. No.	Material code	Particulars	Cost of Material (Rs.)	Labour & Transport (Rs.)
1	DTA30004	11 KV/433V 63KVA Amorphous Distribution Transformer	115200	1354
2	ABS10002	11 KV 200Amps TT AB Switch with insulators	8322	1279
3	HGF10002	11 KV 3-Ph H.G. Fuse set	2493	271
4	HGF00004	L.T.3-Ph H.G. Fuse sets	3460	404
5	LAS00001	11KV Lightning Arrestors	4419	422
6		S.P structure (Including Earthing)	25546	10562
7		Solid Plinth/Pillar mounted plinth for DTR		11000
8		Misc. Items	480	
		Total Cost of Material	159920	25292
		3% storage & handling charges on items 1 to 6	4798	
		3% Contingencies on Materials	4798	
		Labour & Transport	25292	
		Service Tax @ 12.36% on Labour & Transport	3126	
		BW Welfare cess @ 1% on Labour & Transport	253	
		BW Welfare cess @ 1% on cost of material (Ex. VAT)	1523	
		10% Estt. & Genl. Charges on Materials	15992	
		Total Cost in Rs.	215701	

**Erection of 25KVA-11KV/433V Coper Wound Distribution Transformer for
Releasing of Agrl Services**

Sl. No.	Material code	Particulars	Qty	Cost of Material (Rs.)	Labour & Transport (Rs.)	Total
1	PLS00002	8.0 mts 140Kgs PSCC pole	1	1875	1174	3049
2	DTC30102	3-Ph 25KVA DTR CRGO conventional	1	61216	1083	62299
3	FBG00018	Mounting arrangements for DTrs	1	2019	271	2290
4	HGF10002	11 KV 3-Ph H.G. Fuse set	1	2493	271	2764
5	FBE00027	LT open wiring fuse sets structure	1	752	1518	2270
6	HGF00004	L.T.3-Ph H.G. Fuse sets	1	1730	202	1932
7	EMT00006	Earthing of DTR with 80mm dia 6mm thick 2.54mts CI earth pipe	2	4942	2070	7012
8	FBE10022	MS Stay sets with clamps	2	896	522	1418
9	MTE30001	Metering arrangement	1	1890	1390	3280
10		Miscellaneous	LS	1050		1050
Total Cost of Material				78863	8501	87364
3% storage & handling charges				2366		
3% Contingencies on Materials				2366		
Labour & Transport				8501		
Service Tax @ 12.36% on Labour & Transport				1051		
BW Welfare cess @ 1% on Labour & Transport				85		
BW Welfare cess @ 1% on cost of material (Ex. VAT)				751		
10% Estt. & Genl. Charges on Materials				7886		
Total Cost in Rs.				101869		

**Erection of 25KVA-11KV/433V Coper Wound Distribution Transformer for
Releasing of Agrl Services**

Sl. No.	Material code	Particulars	Qty	Cost of Material (Rs.)	Labour & Transport (Rs.)	Total
1	PLS00002	8.0 mts 200Kgs PSCC pole	1	1995	1174	3169
2	DTC30102	3-Ph 25KVA DTR CRGO conventional	1	61216	1083	62299
3	FBG00018	Mounting arrangements for DTrs	1	2019	271	2290
4	HGF10002	11 KV 3-Ph H.G. Fuse set	1	2493	271	2764
5	FBE00027	LT open wiring fuse sets structure	1	752	1518	2270
6	HGF00004	L.T.3-Ph H.G. Fuse sets	1	1730	202	1932
7	EMT00006	Earthing of DTR with 80mm dia 6mm thick 2.54mts CI earth pipe	2	4942	2070	7012
8	FBE10022	MS Stay sets with clamps	2	896	522	1418
9	MTE30001	Metering arrangement	1	1890	1390	3280
10		Miscellaneous	LS	1050		1050
Total Cost of Material				78983	8501	87484
3% storage & handling charges				2369		
3% Contingencies on Materials				2369		
Labour & Transport				8501		
Service Tax @ 12.36% on Labour & Transport				1051		
BW Welfare cess @ 1% on Labour & Transport				85		
BW Welfare cess @ 1% on cost of material (Ex. VAT)				752		
10% Estt. & Genl. Charges on Materials				7898		
Total Cost in Rs.				102009		

**Erection of 16KVA-11KV/433V Coper Wound Distribution Transformer for
Releasing of Agrl Services**

Sl. No.	Material code	Particulars	Qty	Cost of Material (Rs.)	Labour & Transport (Rs.)	Total
1	PLS00002	8.0 mts 140Kgs PSCC pole	1	1875	1174	3049
2	DTC30132	3-Ph 16KVA DTR CRGO/AMARPHOUS 5* RATING (COPPER)	1	69668	1083	70751
3	FBG00018	Mounting arrangements for DTrs	1	2019	271	2290
4	HGF10002	11 KV 3-Ph H.G. Fuse set	1	2493	271	2764
5	FBE00027	LT open wiring fuse sets structure	1	752	1518	2270
6	HGF00004	L.T.3-Ph H.G. Fuse sets	1	1730	202	1932
7	EMT00006	Earthing of DTR with 80mm dia 6mm thick 2.54mts CI earth pipe	2	4942	2070	7012
8	FBE10022	MS Stay sets with clamps	2	896	522	1418
9	MTE30001	Metering arrangement	1	1890	1390	3280
10		Miscellaneous	LS	1050		1050
Total Cost of Material				87315	8501	95816
3% storage & handling charges				2619		
3% Contingencies on Materials				2619		
Labour & Transport				8501		
Service Tax @ 12.36% on Labour & Transport				1051		
BW Welfare cess @ 1% on Labour & Transport				85		
BW Welfare cess @ 1% on cost of material (Ex. VAT)				832		
10% Estt. & Genl. Charges on Materials				8732		
Total Cost in Rs.				111754		

**Erection of 16KVA-11KV/433V Coper Wound Distribution Transformer for
Releasing of Agrl Services**

Sl. No.	Material code	Particulars	Qty	Cost of Material (Rs.)	Labour & Transport (Rs.)	Total
1	PLS00002	8.0 mts 200Kgs PSCC pole	1	1995	1174	3169
2	DTC30132	3-Ph 16KVA DTR CRGO/AMARPHOUS 5* RATING (COPPER)	1	69668	1083	70751
3	FBG00018	Mounting arrangements for DTrs	1	2019	271	2290
4	HGF10002	11 KV 3-Ph H.G. Fuse set	1	2493	271	2764
5	FBE00027	LT open wiring fuse sets structure	1	752	1518	2270
6	HGF00004	L.T.3-Ph H.G. Fuse sets	1	1730	202	1932
7	EMT00006	Earthing of DTR with 80mm dia 6mm thick 2.54mts CI earth pipe	2	4942	2070	7012
8	FBE10022	MS Stay sets with clamps	2	896	522	1418
9	MTE30001	Metering arrangement	1	1890	1390	3280
10		Miscellaneous	LS	1050		1050
Total Cost of Material				87435	8501	95936
3% storage & handling charges				2623		
3% Contingencies on Materials				2623		
Labour & Transport				8501		
Service Tax @ 12.36% on Labour & Transport				1051		
BW Welfare cess @ 1% on Labour & Transport				85		
BW Welfare cess @ 1% on cost of material (Ex. VAT)				833		
10% Estt. & Genl. Charges on Materials				8744		
Total Cost in Rs.				111894		

R.E.C. - Construction Standard Specification No. F3&F4/1981
Cost Data for Erection of 15KVA Single Phase 6.3KV/0-240V
CSP Transformer (Oil Immersed) On existing 8.0mts PSCC Support

Sl.No	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	DTC10004	S-Ph 15KVA DTR CRGO CSP	1 No.	37522	Each	37522
2	FBE00044	Mounting arrangements for Transformer	1 Set	356	Each	356
3		Pipe earthing	2 No.	1300	Each	2600
4		Misc. Items	L.S.	L.S.	L.S.	435
Total Cost of Material						40913
3% storage & handling charges						1214
3% Contingencies on Materials						1214
Labour & Transport						3308
Service Tax @ 12.36% on Labour & Transport						409
BW Welfare cess @ 1% on Labour & Transport						33
BW Welfare cess @ 1% on cost of material (Ex. VAT)						390
10% Estt. & Genl. Charges On Materials						4091
Total Cost in Rs.						51573

R.E.C. - Construction Standard Specification No. F3&F4/1981
Cost Data for Erection of 15KVA Single Phase 6.3KV/0-240V
Amorphous Metal Core C.S.P. Transformer (Oil Immersed)
On existing 8.0mts PSCC Supports

Sl.No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	DTA10003	S-Ph 15KVA DTR amorphous	1 No.	37522	Each	37522
2	FBE00044	Mounting arrangements for Transformer	1 Set	356	Each	356
3		Pipe earthing	2 No.	1300	Each	2600
4		Misc. Items	L.S.	L.S.	L.S.	435
Total Cost of Material						40913
3% storage & handling charges						1214
3% Contingencies on Materials						1214
Labour & Transport						3308
Service Tax @ 12.36% on Labour & Transport						409
BW Welfare cess @ 1% on Labour & Transport						33
BW Welfare cess @ 1% on cost of material (Ex. VAT)						390
10% Estt. & Genl. Charges On Materials						4091
Total Cost in Rs.						51573

R.E.C. - Construction Standard Specification No. H6&H8/1981

Cost Data for Single Phase Water Works Service
erected on Supports

Sl.No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	MTE10018	1 Phase (5-30A) High Quality Energy meter	1	948	Each	948
2	BXS00147	Moulded Distribution Box	1	433	Each	433
3		1 Phase 15A M.C.B./Fuse Unit	1	150	Each	150
4		P.V.C. Cable 6 Sq.mm Single Core	20	44.00	Mts	880
5		P.V.C. Bends 38mm	1	20	Each	20
6		Bolts, Nuts etc.	L.S.	L.S.	L.S.	100
Total Cost of Material						2531
3% Contingencies						76
Labour & Transport						1,076
Service Tax @ 12.36% on Labour & Transport						133
BW Welfare cess @ 1% on Labour & Transport						11
BW Welfare cess @ 1% on cost of material (Ex. VAT)						24
10% Estt. & Genl. Charges						253
Total Cost in Rs.						4104

R.E.C. - Construction Standard Specification No. H6&H8/1981

**Cost Data for Release of Poly Phase Agriculture Service
Erected on Supports**

Sl.No.	Material code	Particulars	Qty.	Rate in Rs.	Per Unit	Amount in Rs.
1	MTE30001	3-Phase (10- 40 A) Electronic Meter with PP Box	1	1,890	Each	1,890
2	BXS00147	Moulded Distribution Box	1	433	Each	433
3		3 Phase 40A M.C.B./Fuse Unit (3 Nos.)	1	580	Each	580
4		P.V.C. Cable 4 Sq.mm Single Core	40	35.00	Mts	1,400
5		Misc. items such as Bolts, Nuts & Board etc.	L.S.	L.S.	L.S.	100
Total Cost of Material						4403
3% Contingencies						132
Labour & Transport						1,681
Service Tax @ 12.36% on Labour & Transport						208
BW Welfare cess @ 1% on Labour & Transport						17
BW Welfare cess @ 1% on cost of material (Ex. VAT)						42
10% Estt. & Genl. Charges						440
Total Cost in Rs.						6923

R.E.C. - Construction Standard Specification No. H1 TO H3/1981
Cost Data for Domestic and Non-Domestic Service Connection
(Single Phase) With Electronic Meter High Quality Meter

Sl. No.	Material code	Particulars	Rate	Chargable to DISCOM		Chargable to Consumer		Amount in Rs.
				Qty.	Amount	Qty.	Amount	
1	MTE10018	LT Single Phase 5-30A Electronic Energy meter	948	1	948			948
2	BXS00147	Moulded Distribution Box	433	1	433			433
3	WRS00005	G.I. Wire No.8	64/kg			1 Kg.	64	64
4		15A M.C.B./Fuse Unit	150/E	1	160			160
5		P.V.C. Cable single core 2.5 Sq.mm	22/M			60	1320	1320
6		P.V.C. Pipe 20mm	25/M			2 M	50	50
7		P.V.C. Bends 20mm	5/E			2 Nos.	10	10
8		Misc.	L.S				70	70
Total					1541		1514	3055
3% Contingencies on Materials					46		45	92
Labour & Transport					290		610	900
Service Tax @ 12.36% on Labour & Transport								111
BW Welfare cess @ 1% on Labour & Transport								9
BW Welfare cess @ 1% on cost of material (Ex. VAT)								29
10% Estt. & Genl. Charges					154		151	306
Total Cost in Rs.					2031		2321	4501

Note : Item Nos. 4 to 7 are to be borne & arranged by the Consumer.

R.E.C. - Construction Standard Specification No. H1 TO H3/1981
Cost Data for Domestic and Non-Domestic Service Connection
(Three Phase) With Electronic Meter High Quality Meter

Sl. No.	Material code	Particulars	Rate	Chargable to DISCOM		Chargable to Consumer		Amount in Rs.
				Qty.	Amount	Qty.	Amount	
1	MTE30001	LT Three Phase Electronic Meter (with PP Meter Box) 10A - 40A	1890	1	1890			1890
2	BXS00147	Moulded Distribution Box	433	1	433			433
3	WRS00005	G.I. Wire No.8	64/KG			1 Kg.	64	64
4		3 phase 60A M.C.B./Fuse unit	590/E	1	590			590
5		P.V.C. Cable single core 2.5 Sq.mm	22/M			120 Mts.	2640	2640
6		P.V.C. Pipe 20mm	25/M			2 M	50	50
7		P.V.C. Bends 20mm	5/E			2 Nos.	10	10
8		Misc.	L.S				80	80
Total					2913		2844	5757
3% Contingencies on Materials					87		85	173
Labour & Transport					575		790	1365
Service Tax @ 12.36% on Labour & Transport								169
BW Welfare cess @ 1% on Labour & Transport								14
BW Welfare cess @ 1% on cost of material (Ex. VAT)								55
10% Estt. & Genl. Charges					291		284	576
Total Cost in Rs.					3867		4004	8108
Or say :								8100

Note : Item Nos. 4 to 7 are to be borne & arranged by the Consumer.

R.E.C. - Construction Standard Specification No. H-5/1981
Cost Data for Poly Phase Service Connection Charges for
Erection of 1No Industrial Service (Upto 15 H.P.) (High Quality Meter)

Sl. No.	Material code	Particulars	Rate	Chargable to DISCOM		Chargable to Consumer		Amount in Rs.
				Qty.	Amount	Qty.	Amount	
1	MTE30001	LT Three Phase Electronic Meter (with PP Meter Box) 10A - 40A	1890	1	1890			1890
2	WRS00005	G.I. Wire No.8	64/Kg			1 Kg.	64	64
3		3 phase 60A M.C.B./Fuse unit	590/E	1	590			590
4		P.V.C. Cable single core 6Sq.mm	44/M			80	3520	3520
5		P.V.C. Pipe 38mm	105/M			2 M		210
6		P.V.C. Bends 38mm	22/E			2 Nos.	44	44
7		Misc. items viz. link clips, wooden box, Bolts & Nuts.	L.S		70		120	190
Total					2550		3748	6508
3% Contingencies					77		112	189
Labour & Transport					575		790	1365
Service Tax @ 12.36% on Labour & Transport								169
BW Welfare cess @ 1% on Labour & Transport								14
BW Welfare cess @ 1% on cost of material (Ex. VAT)								62
10% Estt. & Genl. Charges					255		375	630
Total Cost in Rs.					3457		5025	8936

R.E.C. - Construction Standard Specification No. H-5/1981
Cost Data for Poly Phase Service Connection Charges for
Erection of 1No Industrial Service (Above 15 H.P.) (C.T. Meter)

Sl. No.	Material code	Particulars	Rate	Chargable to DISCOM		Chargable to Consumer		Amount in Rs.
				Qty.	Amount	Qty.	Amount	
1	MCT30004	L.T. 3-Phase class-0.5 Accuracy CT Operated Energy Meter Housed in a box	7210	1	7210			7210
2	WRS00005	G.I. Wire No.8	64/Kg			1 Kg.	64	64
3		P.V.C. Cable single core 6 Sq.mm	44/M			3	132	132
4		P.V.C. Pipe 38mm	105/M			2 M	210	210
5		P.V.C. Bends 38mm	22/E			2 Nos.	44	44
6		Misc. items viz. link clips, wooden box, Bolts & Nuts.	L.S		70		90	160
Total					7280		540	7820
3% Contingencies					218		16	235
Labour & Transport					575		790	1365
Service Tax @ 12.36% on Labour & Transport								169
BW Welfare cess @ 1% on Labour & Transport								14
BW Welfare cess @ 1% on cost of material (Ex. VAT)								74
10% Estt. & Genl. Charges					728		54	782
Total Cost in Rs.					8801		1400	10458

Cost Data for erection of 1No LT Electronic Trivector Meters on LV Side of DTR

Sl. No.	Material code	Particulars	Qty	Unit	Rate per (in Rs.)	Amount (in Rs.)
1	MCT30039	LT 3--ph 4 wire 200/5A CT Operated TVR meter CL 0.5 S	1	Each	6922	6922.00
2		Mounting Arrangements (M.S. Angle 50x50x6 MM & M.S. Flat 50x6 MM support to meter box with suitable clamps, bolts and nuts)	1	per Location	480	480.00
3		Cleat wiring alternation support M.S. Angle 50x50x6 MM to the 3.5 Core 185 or 120 XLPE LT Cable to LT side of DTR with suitable bolts and nuts including loading, unloading and transport of material to the work site where ever necessary with Lugs 3 x 185 Sq.mm 6 Nos. and 1 x 150 Sq.mm 2 Nos.	1	per Location	1800	1800.00
4		Misc.items viz.lugs (3 x 185 Sq.mm 6 Nos. and 1 x 150 Sq.mm 2 Nos). boits and nuts etc.	LS	LS	230	230.00
Total						9432.00

3% Contingencies	276
Labour & Transport	2010
Service Tax @ 12.36% on Labour & Transport	248
BW Welfare cess @ 1% on Labour & Transport	20
BW Welfare cess @ 1% on cost of material (Ex. VAT)	90.00
10% Estt. & Genl. Charges	943

Total Cost in Rs.

13020

**Estimate for erection of Metering of LT Industrial Service Load
upto 50 to 100HP on 11KV side**

S.No.	Material code	Particulars	Qty.	Rate	Per	Material	Labour
1		DP Structure					
	PLS00002	a) 8.0 mts PSCC poles	3	1995	Each	5985	-
	MST00013	b) MS Channel 75 x 40 mm	200	53.9	Kg	10780	-
	MST00015	c) MS Flat 75x 8 / 50 x 6 mm	50	53.9	Kg	2695	-
	MST00003	d) MS Angle 65 x 65x6 mm	40	53.9	Kg	2156	-
		e) Mounting arrangements for plinth	1	3300	Each	3300	-
		Labour & Transport	-	-	-	-	10562
2		Isolating Switches					
	ABS10002	a) 11 KV AB Switch (200 A)	1	8322	Each	8322	-
	HGF10002	b) 11 KV HG Fuse set	2	2493	Each	4986	-
		Labour & Transport	-	-	-	-	1328
3		11 KV Metering Equipment					
	MHT10005	a) 11 KV Trivector Meter	1	4305	Each	4305	-
	ITR10083	b) 11 KV Metering Set (5/5 A)	1	32497	Each	32497	-
		Labour & Transport	-	-	-	-	5287
4		11 KV Cable					
	CBX10002	a) 11 KV UG Cable 3x35 sqmm	20	340.0	mts	6800	-
	SCB00025	b) 11 KV Out door joining links	2	773		1546	-
		Labour & Transport	-	-	-	-	4287
5		11 KV LAS					
	LAS00001	a) 11 KV metal oxide 10 KA Las	3	1473	Each	4419	500
6		Earthing complete with Earth pipes	4	1300	Each	5200	2521
7	BXS00011	A Type Distribution box	1	6960	Each	6960	835
8	INS10002	a) 11 KV Disc Insulators	6	216	Each	1296	-
	HWR00002	b) 11KV metal parts	6	82	set	492	-
	FBE10022	c) MS Stay Set with clamps	4	448	Each	1792	-
		Labour & Transport	-	-	-	-	3856
9		Coper cable 4 x 2.55 sqmm & GI pipe with bends etc for wiring	LS			3300	
10		Plinth for distribution box	1	3630	-	3630	
10		Sundries			LS	2630	
		Sub Total				113091	25320
		3% S &H Charges				3393	
		3% Contingencies				3393	
		10% Estt. & Genl. Charges				11309	
		Service Tax @ 12.36% on Labour & Transport					3130
		BW Welfare cess @ 1% on Labour & Transport					253
		BW Welfare cess @ 1% on cost of material (Ex. VAT)					1063
						131186	29765.752
		Total				160951	

**Estimate for erection of Terminal & Metering Arrangement for
33KV services with 33KV VCB**

S.No.	Material code	Particulars	Qty.	Rate	Per.	Amount
1		<u>Erection of 4 Pole structure</u>				
a	MST000229	RS Joist 150 x 150 (6Nos)	2.0	55347	MT	110694
b	MST00012	MS Channel 100 x 50 mm	1.3	53887	MT	70053
c	MST00015	Ms Flat 75X8 & 50X8 mm	0.5	53887	MT	26944
2		<u>Foundations</u>				
a		33KV VCB Plinth erection	LS			16516
b		Structures	LS			11434
3		Jumpers, connectors, insulators, Earth connections etc.,	LS			25410
4		Control cables, GI pipe with bends etc for wiring arrangements	LS			19057
5		Fencing with gate	LS			12705
6	BRK30002	33KV VCB with CTs & control pannel	1	345256	Each	345256
7	ABS30010	33 KV Isolators	2	39800	Each	79600
8	LAS00004	33 KV LAS	3	4460	Each	13380
9	ITR30072	33 KV CTs 0.2 class of accuracy	3	20126	Each	60378
10	ITR30012	33 KV PTs 0.2 class of accuracy	3	21628	Each	64884
11	MHT30021	HT Trivector meter	1	14338	Each	14338
12	BAT00029	24 V 40 AH battery set including battery charger	1	17000	Each	17000
13	EMT00006	CI Earth pipes	8	2471	Each	19768
14	BXS000174	SMC DISTRIBUTION BOX	1	13300	Each	13300
14a		Plinth for distribution Box	1	3630	Each	3630
15		Sundries	LS			3150
		TOTAL				927497
		3 % S & H Charges				27825
		3 % Contingencies				27825
		10 % Estt. & Genrl. Charges				92750
		Labour & Transport for all items except item No 2 & 14a				164058
		Service Tax @ 12.36% on Labour & Transport				20278
		BW Welfare cess @ 1% on Labour & Transport				1641
		BW Welfare cess @ 1% on cost of material (Ex. VAT)				8686
		TOTAL ESTIMATE COST				1270558

**Detailed Estimate For Erection of 33/11 KV Sub-Station
with (NT) X 5 MVA Power Transformers and NF = 3Nos. 11 KV feeders
(With 11kv 2 MVAR Capacitors Bank)**

Sl. No.	Material code	Particulars	Qty.	Rate (Rs. in lakhs)	Unit	Amount (Rs. in lakhs)
1		a) Lands and Rights	LS	As per local conditions	LS	7.000
		b) Plantation of Trees	LS		LS	0.200
2		Control Room Cum section Office(including furniture)	LS		LS	14.000
3		Station Auxillaries				
		a) Peripheral, Security Fencing, Approach road, retaining wall around switchward with gravel filling, gate and bore well	LS		LS	9.200
		b) Yard Lighting	LS		LS	0.500
		c) Fire Fighting Equipment	LS		LS	0.400
		d) P&T Phone	LS		LS	0.120
4		Foundations for structures, PTRs & breakers	LS		LS	3.800
5		Busbar, Jumpers, Connectors Clamps etc.,	LS		LS	1.500
6		Control Cables	LS		LS	0.900
7		Structural Steel	15	0.553	MT	8.295
8		Transformers				
	PTR00006	a) 33/11 KV 5 MVA Power Transformer	1	33.454	Each	33.454
	DTC30001	b) 11 kv /433 v 16 KVA Stn. Transformer	1	0.697	Each	0.697
9		Circuit Breakers (including Trivector Meter)				
	BRK10002	a) 11 kv Feeder VCB with CTs & Control panel (NF=3)	3.000	2.455	Each	7.365
	BRK10004	b) 11 kv LV VCB with CTs & Control panel	1	2.785	Each	2.785
10		Control Circuit panels				
	OTH00057	a) AC distribution Panel	1	0.292	Each	0.292
	OTH00126	b) DC annunciation panel	1	0.124	Each	0.124
11		Instrument Transformer				
	ITR10020	a) 11 KV P.T. 3 Phase	1	0.183	Each	0.183

Sl. No.	Particulars	Qty.	Rate (Rs. in lakhs)	Unit	Amount (Rs. in lakhs)
12	Lightning Arrestors				
	LAS00004 a) 33 KV 10KA	6	0.046	Each	0.276
	LAS00001 b) 11 KV Line Type (NF=3)	9	0.015	Each	0.135
	LAS00002 c) 11 KV Station Type 10 KA	3	0.03	Each	0.090
13	Isolating Switches				
	ABS30010 a) 33 KV 800 A AB Switch	3	0.3980	Each	1.194
	ABS10015 b) 11 KV 800 A AB Switch (NT x 1+1)	2	0.158	Each	0.316
	ABS10008 c) 11 KV 400 A AB Switch (NF x 2+2)	8	0.106	Each	0.848
	HGF30000 d) 33 KV Horn Gap Fuse Set (1 x NT)	1	0.070	Set	0.070
14	CPT10013 2 MVAR 11 kv Capacitor Bank along with Associated Equipment	1.000	10.132	Each	10.132
15	BAT00029 24 V 40 AH battery set including battery charger	2.000	0.170	Each	0.340
16	Earthing of Power Transformer, VCBs, AB Switches, Structures with 75 x 8 mm G.I. Flat			LS	2.050
	SUB TOTAL				106.266
17	Erection, Transport and commissioning charges on items No. 7 to 15				9.163
18	Contingencies on items 7 to 15 at 3%				1.998
19	T & P Charges on Items No. 7 to 15 at 1%				0.666
20	Establishment and General Charges at 10%				10.627
	Service Tax @ 12.36% on Labour & Transport				1.133
	BW Welfare cess @ 1% on Labour & Transport				0.092
	BW Welfare cess @ 1% on cost of material (Ex. VAT)				0.970
	TOTAL				130.914
	Or say (Rs.lakhs)				130.910

Note : NF=No. of 11 KV Feeders, The number of outgoing feeders at substation limited to the demand in MVA i.e. if substation demand is 5 MVA, the number of feeders should not exceed five.

**Detailed Estimate For Erection of 33/11 KV Sub-Station
with (NT) X 5 MVA Power Transformers and NF = 2Nos. 11 KV feeders
(Without 11kv 2 MVAR Capacitors Bank)**

Sl. No.	Material code	Particulars	Qty.	Rate (Rs. in lakhs)	Unit	Amount (Rs. in lakhs)
1		a) Lands and Rights	LS	As per local conditions	LS	7.000
		b) Plantation of Trees	LS		LS	0.200
2		Control Room Cum Section office (including furniture)	LS		LS	14.000
3		Station Auxillaries				
		a) Peripheral, Security Fencing, Approach road, retaining wall around switchward with gravel filling, gate and bore well	LS		LS	9.200
		b) Yard Lighting	LS		LS	0.500
		c) Fire Fighting Equipment	LS		LS	0.400
		d) P&T Phone	LS		LS	0.120
4		Foundations for structures, PTRs & breakers	LS		LS	3.800
5		Busbar, Jumpers, Connectors Clamps etc.,	LS		LS	1.500
6		Control Cables	LS		LS	0.900
7		Structural Steel	15	0.553	MT	8.295
8		Transformers				
	PTR00006	a) 33/11 KV 5 MVA Power Transformer	1	33.454	Each	33.454
	DTC30001	b) 11 kv /433 v 16 KVA Str. Transformer	1	0.697	Each	0.697
9		Circuit Breakers (including Trivector Meter)				
	BRK10002	a) 11 kv Feeder VCB with CTs & Control panel (NF=2)	2	2.455	Each	4.910
	BRK10004	b) 11 kv LV VCB with CTs & Control panel	1	2.785	Each	2.785
10		Control Circuit panels				
	OTH00057	a) AC distribution Panel	1	0.292	Each	0.292
	OTH00126	b) DC annunciation panel	1	0.124	Each	0.124
11		Instrument Transformer				
	ITR10020	a) 11 KV P.T. 3 Phase	1	0.183	Each	0.183

Sl. No.	Particulars	Qty.	Rate (Rs. in lakhs)	Unit	Amount (Rs. in lakhs)
12	Lightning Arrestors				
	LAS00004 a) 33 KV 10KA	6	0.046	Each	0.276
	LAS00001 b) 11 KV Line Type (NF=3)	6	0.015	Each	0.090
	LAS00002 c) 11 KV Station Type 10 KA	3	0.03	Each	0.090
13	Isolating Switches				
	ABS30010 a) 33 KV 800 A AB Switch	3	0.3980	Each	1.194
	ABS10015 b) 11 KV 800 A AB Switch (NT x 1+1)	2	0.158	Each	0.316
	ABS10008 c) 11 KV 400 A AB Switch (NF x 2+2)	6	0.106	Each	0.636
	HGF30000 d) 33 KV Horn Gap Fuse Set (1 x NT)	1	0.070	Set	0.070
14	BAT00029 24 V 40 AH battery set including battery charger	2	0.170	Each	0.340
15	Earthing of Power Transformer, VCBs, AB Switches, Structures with 75 x 8 mm G.I. Flat			LS	2.050
	SUB TOTAL				93.422
17	Erection, Transport and commissioning charges on items No. 7 to 15				7.681
18	Contingencies on items 7 to 15 at 3%				1.674
19	T & P Charges on Items No. 7 to 15 at 1%				0.558
20	Establishment and General Charges at 10%				9.342
	Service Tax @ 12.36% on Labour & Transport				0.945
	BW Welfare cess @ 1% on Labour & Transport				0.077
	BW Welfare cess @ 1% on cost of material (Ex. VAT)				0.850
	TOTAL				114.549
	Or say (Rs.lakhs)				114.550

Note : NF=No. of 11 KV Feeders, The number of outgoing feeders at substation limited to the demand in MVA i.e. if substation demand is 5 MVA, the number of feeders should not exceed five.

**Detailed Estimate For Erection of 33/11 KV Sub-Station
with (NT) X 5 MVA Power Transformers and NF = 3Nos. 11 KV feeders
(Without 11kv 2 MVAR Capacitors Bank)**

Sl. No.	Material code	Particulars	Qty.	Rate (Rs. in lakhs)	Unit	Amount (Rs. in lakhs)
1		a) Lands and Rights	LS	As per local conditions	LS	7.000
		b) Plantation of Trees	LS		LS	0.200
2		Control Room Cum Section office (including furniture)	LS		LS	14.000
3		Station Auxillaries				
		a) Peripheral, Security Fencing, Approach road, retaining wall around switchward with gravel filling, gate and bore well	LS		LS	9.200
		b) Yard Lighting	LS		LS	0.500
		c) Fire Fighting Equipment	LS		LS	0.400
		d) P&T Phone	LS		LS	0.120
4		Foundations for structures, PTRs & breakers	LS		LS	3.800
5		Busbar, Jumpers, Connectors Clamps etc.,	LS		LS	1.500
6		Control Cables	LS		LS	0.900
7		Structural Steel	15	0.553	MT	8.295
8		Transformers				
	PTR00006	a) 33/11 KV 5 MVA Power Transformer	1	33.454	Each	33.454
	DTC30001	b) 11 kv /433 v 16 KVA Stn. Transformer	1	0.697	Each	0.697
9		Circuit Breakers (including Trivector Meter)				
	BRK10002	a) 11 kv Feeder VCB with CTs & Control panel (NF=3)	3	2.455	Each	7.365
	BRK10004	b) 11 kv LV VCB with CTs & Control panel	1	2.785	Each	2.785
10		Control Circuit panels				
	OTH00057	a) AC distribution Panel	1	0.292	Each	0.292
	OTH00126	b) DC annunciation panel	1	0.124	Each	0.124
11		Instrument Transformer				
	ITR10020	a) 11 KV P.T. 3 Phase	1	0.183	Each	0.183

Sl. No.	Particulars	Qty.	Rate (Rs. in lakhs)	Unit	Amount (Rs. in lakhs)
12	Lightning Arrestors				
	LAS00004 a) 33 KV 10KA	6	0.046	Each	0.276
	LAS00001 b) 11 KV Line Type (NF=3)	9	0.015	Each	0.135
	LAS00002 c) 11 KV Station Type 10 KA	3	0.03	Each	0.090
13	Isolating Switches				
	ABS30010 a) 33 KV 800 A AB Switch	3	0.3980	Each	1.194
	ABS10015 b) 11 KV 800 A AB Switch (NT x 1+1)	2	0.158	Each	0.316
	ABS10008 c) 11 KV 400 A AB Switch (NF x 2+2)	8	0.106	Each	0.848
	HGF30000 d) 33 KV Horn Gap Fuse Set (1 x NT)	1	0.070	Set	0.070
14	BAT00029 24 V 40 AH battery set including battery charger	2	0.170	Each	0.340
15	Earthing of Power Transformer, VCBs, AB Switches, Structures with 75 x 8 mm G.I. Flat			LS	2.050
	SUB TOTAL				96.134
17	Erection, Transport and commissioning charges on items No. 7 to 15				8.038
18	Contingencies on items 7 to 15 at 3%				1.755
19	T & P Charges on Items No. 7 to 15 at 1%				0.585
20	Establishment and General Charges at 10%				9.613
	Service Tax @ 12.36% on Labour & Transport				0.993
	BW Welfare cess @ 1% on Labour & Transport				0.080
	BW Welfare cess @ 1% on cost of material (Ex. VAT)				0.870
	TOTAL				118.070
	Or say (Rs.lakhs)				118.070

Note : NF=No. of 11 KV Feeders, The number of outgoing feeders at substation limited to the demand in MVA i.e. if substation demand is 5 MVA, the number of feeders should not exceed five.

**Detailed Estimate For Erection of 33/11 KV Sub-Station
with (NT) X 5 MVA Power Transformers and NF = 4 Nos. 11 KV feeders
(Without 11kv 2 MVAR Capacitors Bank)**

Sl. No.	Material code	Particulars	Qty.	Rate (Rs. in lakhs)	Unit	Amount (Rs. in lakhs)
1		a) Lands and Rights	LS	As per local conditions	LS	7.000
		b) Plantation of Trees	LS		LS	0.200
2		Control Room Cum Section office (including furniture)	LS		LS	14.000
3		Station Auxillaries				
		a) Peripheral, Security Fencing, Approach road, retaining wall around switchward with gravel filling, gate and bore well	LS		LS	9.200
		b) Yard Lighting	LS		LS	0.500
		c) Fire Fighting Equipment	LS		LS	0.400
		d) P&T Phone	LS		LS	0.120
4		Foundations for structures, PTRs & breakers	LS		LS	3.800
5		Busbar, Jumpers, Connectors Clamps etc.,	LS		LS	1.500
6		Control Cables	LS		LS	0.900
7		Structural Steel	15	0.553	MT	8.295
8		Transformers				
	PTR00006	a) 33/11 KV 5 MVA Power Transformer	1	33.454	Each	33.454
	DTC30001	b) 11 kv /433 v 16 KVA Stn. Transformer	1	0.697	Each	0.697
9		Circuit Breakers (including Trivector Meter)				
	BRK10002	a) 11 kv Feeder VCB with CTs & Control panel (NF=4)	4	2.455	Each	9.820
	BRK10004	b) 11 kv LV VCB with CTs & Control panel	1	2.785	Each	2.785
10		Control Circuit panels				
	OTH00057	a) AC distribution Panel	1	0.292	Each	0.292
	OTH00126	b) DC annunciation panel	1	0.124	Each	0.124
11		Instrument Transformer				
	ITR10020	a) 11 KV P.T. 3 Phase	1	0.183	Each	0.183

Sl. No.	Particulars	Qty.	Rate (Rs. in lakhs)	Unit	Amount (Rs. in lakhs)
12	Lightning Arrestors				
	LAS00004 a) 33 KV 10KA	6	0.046	Each	0.276
	LAS00001 b) 11 KV Line Type (NF=4)	12	0.015	Each	0.180
	LAS00002 c) 11 KV Station Type 10 KA	3	0.03	Each	0.090
13	Isolating Switches				
	ABS30010 a) 33 KV 800 A AB Switch	3	0.3980	Each	1.194
	ABS10015 b) 11 KV 800 A AB Switch (NT x 1+1)	2	0.158	Each	0.316
	ABS10008 c) 11 KV 400 A AB Switch (NF x 2+2)	10	0.106	Each	1.060
	HGF30000 d) 33 KV Horn Gap Fuse Set (1 x NT)	1	0.070	Set	0.070
14	BAT00029 24 V 40 AH battery set including battery charger	2	0.170	Each	0.340
15	Earthing of Power Transformer, VCBs, AB Switches, Structures with 75 x 8 mm G.I. Flat			LS	2.050
	SUB TOTAL				98.846
17	Erection, Transport and commissioning charges on items No. 7 to 15				8.397
18	Contingencies on items 7 to 15 at 3%				1.837
19	T & P Charges on Items No. 7 to 15 at 1%				0.612
20	Establishment and General Charges at 10%				9.885
	Service Tax @ 12.36% on Labour & Transport				1.038
	BW Welfare cess @ 1% on Labour & Transport				0.084
	BW Welfare cess @ 1% on cost of material (Ex. VAT)				0.900
	TOTAL				121.598
	Or say (Rs.lakhs)				121.600

Note : NF=No. of 11 KV Feeders, The number of outgoing feeders at substation limited to the demand in MVA i.e. if substation demand is 5 MVA, the number of feeders should not exceed five.

Cost data for erection of 11KV Bay extension along with VCB in existing 33/11KV Sub-Station (with RS Joists)

S.No.	Material code	Particulars	Qty.	Rate	Per.	Amount
1	MST00029	150 x 150Sq.mm H Type beam of 9.0mts length (2Nos RS Joists)	0.8	55347	MT	45938
2	MST00012	100 x 50Sq.mm Channel	0.5	53887	MT	26944
3	MST00015	MS Flat 75 x 8mm	0.3	53887	MT	16166
4	MST00002	MS Angle 50x50x6mm	0.1	53887	MT	5389
5	ABS10008	AB Switch 400Amps converntional type	2	10623	Each	21246
6	CDR00005	200Sq.mm ACSR Conductor (Panther conductor)	0.05	132334	Km	6617
7	BRK10002	11 kv Feeder VCB with CTs & Control panel	1	245528	Each	245528
8	LAS00002	11KV Lightning Arrestors station type	3	2977	Each	8931
9	INS10008	11KV post type insulators	12	233	Each	2796
10	BAT00029	24V 40AH Battery with trickle charger	1	17000	Each	17000
11	INS10003	11KV Polymer insulators	6	196	Each	1176
12	HWR 00002	11KV Metal Parts	6	82	Each	492
13	CBP00002	LT PVC CU Control cable 4 core 2.5 sqmm	50	68	M	3400
14	CBP00006	LT PVC CU Control cable 10 core 2.5 sqmm	50	165	M	8250
15	EMT00006	CI Earth pipe	3	2471	M	7413
16	BNT00026	MS Bolts &nuts 5/8"x4"	50	81	KG	4050
17		Plinth for VCB				12000
18		Earthing arrangements (20mts length with 75 x 8 MS flat)	LS			6600
19		Pad clamps, bolt & nuts & Miscellaneous items	LS			1920
		TOTAL				441855
		3% storage & handling charges on items (1) to (16)		421335		12640
		3 % Contingencies				13256
		10 % Estt. & Genrl. Charges				44186
		Labour & Transport				36300
		Service Tax @ 12.36% on Labour & Transport				4487
		BW Welfare cess @ 1% on Labour & Transport				363
		BW Welfare cess @ 1% on cost of material (Ex. VAT)				4205
		TOTAL ESTIMATE COST				557291

Cost data for erection of 33KV Bay extension in existing 33/11KV Sub-Station (with RS Joists)

S.No.	Material code	Particulars	Qty.	Rate	Per.	Amount
1	MST00029	150 x 150Sq.mm H Type beam of 9.0mts length (2Nos RS Joists)	0.8	55347	MT	45938
2	MST00012	100 x 50Sq.mm Channel	0.5	53887	MT	26944
3	MST00015	MS Flat 75 x 8mm	0.4	53887	MT	21555
4	ABS30010	AB Switch 800Amps conventional type	1	39800	Each	39800
5	CDR00005	200Sq.mm ACSR Conductor (Panther conductor)	0.02	132334	Km	2647
6	INS30006	33KV Disc Insulators	6	391	Each	2346
7	HWR 00004	33KV Metal Parts	6	180	Each	1080
8		Earthing arrangements (20mts length with 75 x 8 MS flat)	LS			6600
9		Miscellaneous items like fabrication of channels & Pad clamps etc.,	LS			3000
		TOTAL				149909
		3% storage & handling charges on items (1) to (7)		149909		4497
		3 % Contingencies				4497
		10 % Estt. & Genrl. Charges				14991
		Labour & Transport				14520
		Service Tax @ 12.36% on Labour & Transport				1795
		BW Welfare cess @ 1% on Labour & Transport				145
		BW Welfare cess @ 1% on cost of material (Ex. VAT)				1428
		TOTAL ESTIMATE COST				191782

**Cost data for erection of 5.0MVA additional PTR with 33KV Bay extension
in existing 33/11KV Sub-Station.**

S.No.	Material code	Particulars	Qty.	Rate	Per.	Amount
1	MST00029	150 x 150Sq.mm RS Joists	0.8	55347	MT	44278
2	MST00012	100 x 50Sq.mm Channel	0.5	53887	MT	26944
3	MST00015	MS Flat 75 x 8mm	0.4	53887	MT	21555
4	ABS30010	AB Switch 800Amps conventional type	1	39800	Each	39800
5	CDR00005	200Sq.mm ACSR Conductor (Panther conductor)	0.05	132334	Km	6617
6	INS30006	33KV Disc Insulators	6	391	Each	2346
7	HWR 00004	33KV Metal Parts	6	180	Each	1080
8	PTR00006	33/11KV 5.0MVA PTR	1	3345440	Each	3345440
9	HGF30000	33KV 3-Ph HG Fuse Set	1	7004	Each	7004
10	EMT00006	CI Earth pipes	4	2471	Each	9884
11		Earthing arrangements (20mts length with 75 x 8 MS flat)	LS			6600
12		Miscellaneous items like fabrication of channels & Pad clamps & T Clamps etc.,	LS			6000
13		Plinth for PTR	LS			80000
		TOTAL				3597547
		3% storage & handling charges on items (1) to (9)		3504947		105148
		3 % Contingencies				107926
		10 % Estt. & Genrl. Charges				107926
		Labour & Transport				48400
		Service Tax @ 12.36% on Labour & Transport				5982
		BW Welfare cess @ 1% on Labour & Transport				484
		BW Welfare cess @ 1% on cost of material (Ex. VAT)				34260
		TOTAL ESTIMATE COST				4007674

**REC - Construction Standard Nos. Other than the Items Included in the 33 KV
11 KV & LT Lines erection and Centralised Material**

Sl. No.	Particulars	REC Construction Standard No./ Specification No.	Remarks / Notes
1	1.53 Mts. Cross arm (Channel)	M-1/1981	33 KV line
2	Top clamp with cleat	M-4/1984	33 KV line
3	Back clamp	K-1/1972	33 KV line & 11 KV line
4	Base concreting	K-2/1972 (R-1987)	33 KV line & 11 KV line
5	Stay sets complete with concreting	G-1/1972	33 KV line & 11 KV line
6	Coil earthing	J-1/1972	33 KV line & 11 KV line
7	Pipe earthing	J-2/1972	33 KV line & 11 KV line
8	Concreting of poles	K-1/1972	All lines
9	8 M PSCC poles	15/1979	11 KV line
10	1.07 M Cross arm (Channel)	A-6/1972	11 KV line
11	Top clamp with cleat	A-7/1972	11 KV line
12	Bracing set with double cross arm	A-12/1972	H.T. line
13	Guy grip dead end	G-1/1972 & SP.No.25/1983	H.T. line
14	C.I. Knob	31/1983	L.T lines
15	L.T. conductor dead end	G-2/1984	L.T lines
16	Guy grip dead end	G-2/1984	L.T lines
17	L.T. Spares	29/1983 (R-1987)	L.T lines
18	Spool for shackle insulator tying	D-6/1984	L.T lines
19	D.P. Structure for distribution substation	F-1/1981 (R-1993)	L.T lines
20	HT & LT conductor dead end fittings	Sp. No.25/1983	All lines
21	Side tie for pin insulator tying	- do -	All lines
22	Fibre Reinforced Plastic Cross Arms	40/1987	11KV < lines

COST OF FABRICATED MATERIALS

Sl. No.	Material code	Particulars	Unit	Rate
1	PLS00001	8.0mts PSCC Poles 140 Kgs. WL	Each	1875
2	PLS00002	8.0mts PSCC Poles 200 Kgs. WL	Each	1995
3	PLS00004	9.1 M PSCC Poles 280 Kgs. WL	Each	3640
4		RCC Base Plates	Each	100
5	FBE30009	MS Stay sets without base plates with 20 mm rod and channel	Each	366
6	FBE10010	MS Stay sets without base plates with 16 mm rod and channel	Each	385
7	FBE00026	33 KV 'V' cross arms 1.53 M	Each	1112
8	FBE10001	11 KV 'V' cross arms 65 x 65 x 6 mm MS angle	Each	478
9	BXS00147	Moulded Box for Single & 3-Ph Meters.	Each	433
10	FBE00008	L.T. 3 phase 5 wire Cross Arm 1.30 Mts. Long with 65 x 65 x 6 MS Angle	Each	381
11	FBE00020	L.T. 3 phase 4 wire Cross Arm 1.30 Mts. Long with 65 x 65 x 6 MS Angle	Each	247
12	FBE00040	Back clamps 75 x 8 MS Flat	Each	98
12a	FBE00001	Back clamps 50 x 6 MS Flat	Each	72
13	FBE00038	Stay clamps 50 x 6mm MS Flat	Each	72
13a	FBE00019	Stay clamps 75 x 8mm MS Flat	Each	72
14	FBE30006	33 KV Top Clamp with cleat	Each	519
15	FBE10007	11 KV Top Clamp with cleat	Each	281
16	FBE00041	L.T. Back Clamp	Each	72