



ANDHRA PRADESH CENTRAL POWER DISTRIBUTION CORPORATION LIMITED
CORPORATE OFFICE :: VIJAYAWADA

Memo.No.CMD/CGM/O&M/VJA/EE/DY.EE/F.Cost Data/D.No.405/23, Dt.30-12-2023

Sub:- APCPDCL – Corporate Office/O&M/VJA – Commercial – Cost Data for the year 2023-2024 – **Communicated** – Reg.

Ref:- Approved note order of Chairman & Managing Director, Dt.02-12-2023
-oOo-

All the Superintending Engineers/Operation are requested to follow the approved Cost Data for 2023-2024 for estimates etc., and to distribute the copies up to the Section Officer / level by printing the copies at their end.

Encl : Cost Data Book.

Sd/-
CHAIRMAN & MANAGING DIRECTOR
APCPDCL : VIJAYAWADA

To

The Superintending Engineer/Operation/Vijayawada, CRDA, Guntur, Ongole

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❖ Encl :- Book Let – 1 No

FORWARDED :: BY ORDER

CHIEF GENERAL MANAGER / OPERATION & MAINTENANCE

COST DATA

FOR

2023-2024



CENTRAL POWER DISTRIBUTION CORPORATION

OF ANDHRA PRADESH LIMITED

VIJAYAWADA

COST DATA OF CENTRALISED MAERIALS FOR R.E. AND DISTRIBUTION WORKS

2023-24

| SL NO | SAP Material code | Description of materials | UNIT | Rupees |
|-------|-------------------|---|------|-----------|
| | | 1) SUPPORTS AND FIXTURES, IRON, STEEL AND CEMENT | | |
| | | <u>I.A) RS JOISTS</u> | | |
| 1 | MST00032 | RS JOIST 175X85MM | MT | 63720.00 |
| 2 | MST00029 | RS JOIST 150X150MM | MT | 75000.00 |
| 3 | MST00030 | RS JOIST 150X75MM | MT | 63720.00 |
| 4 | MST00037 | RS JOIST 175 X 50 MM | MT | 63720.00 |
| | | <u>I.B) PSCC POLES</u> | | |
| 1 | PLS00014 | PSCC SPUN POLES 12.5 MTS | EA | 18400.00 |
| 2 | PLS00007 | PSCC SPUN POLES 11 MTS | EA | 16900.00 |
| 3 | PLS00015 | PSCC Poles 11.0MTS | EA | 8500.00 |
| 4 | PLS00004 | PSCC POLES 9.1 MTS 280KGS | EA | 4910.00 |
| 5 | PLS00002 | PSCC POLES 8 MTS 200KGS | EA | 3450.00 |
| 6 | PLS00001 | PSCC POLES 8 MTS 140KGS | EA | 2250.00 |
| 7 | PLS00010 | RCC FENCING POLES 3 MTS | EA | 333.72 |
| 8 | PLS00009 | RCC FENCING POLES 2 MTS | EA | 135.96 |
| 9 | PLS00011 | RCC BASE PLATES | EA | 86.52 |
| | | <u>I.C) STEEL MATERIALS</u> | | |
| 1 | MST00012 | MS CHANNEL 100X50 | MT | 85400.00 |
| 2 | MST00013 | MS CHANNEL 75X40 | MT | 85400.00 |
| 3 | MST00011 | MS CHANNEL 150X75 | MT | 62434.00 |
| 4 | MST00003 | MS ANGLE 65X65X6 | MT | 79300.00 |
| 5 | MST00002 | MS ANGLE 50X50X6 | MT | 79300.00 |
| 6 | MST00009 | MS ANGLE 130X130X12 | MT | 62434.00 |
| 7 | MST00015 | MS FLAT 75X8 | MT | 81540.00 |
| 8 | MST00014 | MS FLAT 50X6 | MT | 81540.00 |
| 9 | MST00019 | MS ROD 20MM | MT | 62434.00 |
| 10 | MST00018 | MS ROD 16MM | MT | 62434.00 |
| | | <u>I.D) STEEL WIRE</u> | | |
| 1 | WRS00011 | HT STEEL WIRE 4MM | MT | 74629.20 |
| 2 | WRS00006 | GI STAYWIRE 7/3.15MM (10 SWG) | MT | 105000.00 |
| 3 | WRS00007 | GI STAYWIRE 7/2.5MM (12 SWG) | MT | 105000.00 |
| 4 | WRS00005 | G.I. WIRE 4MM (NO.8) | MT | 105000.00 |
| | | <u>I.E) BOLTS AND NUTS</u> | | |
| 1 | BNT00028 | MS BOLTS & NUTS 5/8" X 6" | MT | 90000.00 |
| 2 | BNT00031 | MS BOLTS & NUTS 5/8" X 9" | MT | 90000.00 |
| 3 | BNT00024 | MS BOLTS & NUTS 5/8" X 2.5" | MT | 81770.00 |
| 4 | BNT00025 | MS BOLTS & NUTS 5/8" X 3" | MT | 81770.00 |
| 5 | BNT00026 | MS BOLTS & NUTS 5/8" X 4" | MT | 105670.00 |
| 6 | BNT00006 | GI BOLTS & NUTS 1/2" X 1 1/2" | MT | 110000.00 |
| 7 | BNT00009 | GI BOLTS & NUTS 3/8" X 1 1/2" | MT | 118000.00 |
| 8 | BNT00022 | MS BOLTS & NUTS 5/8" X 1.5" | MT | 81770.00 |
| 9 | BNT00023 | MS BOLTS & NUTS 5/8" X 2" | MT | 81770.00 |
| 10 | BNT00030 | MS BOLTS & NUTS 5/8" X 8" | MT | 126810.00 |
| 11 | BNT00035 | MS BOLTS & NUTS 3/8" X 1 1/2" FULL TH | MT | 81770.00 |
| 12 | BNT00038 | MS BOLTS & NUTS 1/2"X1 1/2" | MT | 81770.00 |
| 13 | BNT00043 | MS FULL NUTS 16MM (1" Thick) | MT | 81770.00 |
| 14 | BNT00044 | MS HALF NUTS 16MM (1/2" Thick) | MT | 81770.00 |
| 15 | BNT00045 | M.S.HEXAGONAL POLISHED NUTS 3/4 | MT | 81770.00 |

| SL NO | SAP Material code | Description of materials | UNIT | Rupees |
|-------|-------------------|--|------|---------|
| | | <u>1.F) CEMENT</u> | | |
| 1 | CEM00004 | OP CEMENT 53 GRADE FOR POLES | MT | 9000.00 |
| | | 2) INSULATORS AND HARDWARE | | |
| | | <u>2.A) 33 KV</u> | | |
| 1 | INS30002 | 33KV SOLID CORE INSULATORS | EA | 1568.48 |
| 2 | INS30004 | 33KV 70KN COMPOSITE POLYMER INSULATOR | EA | 650.00 |
| 3 | INS30003 | 33KV POST TYPE INSULATORS (STAGS) | EA | 964.08 |
| 4 | INS30006 | 33KV 70KN DISC INSULATORS | EA | 469.68 |
| 5 | | 33KV PIN INSULATORS (Polymer) with GI pin | EA | 659.69 |
| 6 | INS30001 | 33KV PIN INSULATORS | EA | 464.40 |
| 7 | HWR00003 | 33KV GI PINS | EA | 195.29 |
| 8 | HWR00004 | 33KV METAL PARTS (B&S) | SET | 350.00 |
| | | <u>2.B) 11 KV</u> | | |
| 1 | INS10006 | 11KV SOLID CORE INSULATORS FOR AB SWITCH | EA | 265.20 |
| 2 | INS10007 | 11KV SOLID CORE INSULATORS FOR HG FUSES | EA | 163.00 |
| 3 | INS10009 | 11KV POLYMER INSULATORS (B&S) | EA | 309.00 |
| 4 | INS10003 | 11KV POLYMER INSULATORS (C&T) | EA | 296.40 |
| 5 | INS10011 | 11 KV POLYMER DISC | EA | 350.00 |
| 6 | INS10008 | 11KV POST TYPE INSULATORS | EA | 322.51 |
| 7 | INS10004 | 11KV DISC INSULATORS (B&S) | EA | 310.00 |
| 8 | INS10002 | 11KV DISC INSULATORS (C&T) | EA | 260.00 |
| 9 | INS10012 | 11KV PIN INSULATORS (Polymer) | EA | 380.07 |
| 10 | INS10001 | 11KV PIN INSULATORS | EA | 105.00 |
| 11 | HWR00001 | 11KV GI PINS | EA | 80.00 |
| 12 | HWR00002 | 11KV METAL PARTS (C&T) | SET | 150.00 |
| 13 | INS10005 | 11KV GUY INSULATORS (HT) | EA | 80.00 |
| | | <u>2.C) LT</u> | | |
| 1 | INS00001 | LT PIN INSULATORS | EA | 31.00 |
| 2 | HWR00015 | LT GI PINS | EA | 37.00 |
| 3 | INS00002 | LT SHACKLES | EA | 30.00 |
| 4 | HWR00016 | LT METAL PARTS | SET | 48.00 |
| 5 | INS00005 | BUS-BAR INSULATORS WITH ALUMINIUM STRIP | EA | 74.16 |
| 6 | INS00003 | LT GUY INSULATORS | EA | 31.00 |
| | | 3) CROSS ARMS | | |
| | | <u>3.A) 33 KV CROSS ARMS AND TOP FITTINGS</u> | | |
| 1 | FBE00026 | 33KV TAPING CHANNEL X ARMS | EA | 2000.00 |
| 2 | FBE30003 | 33KV V CROSS ARMS WITH CLAMPs | EA | 2196.00 |
| 3 | FBE30004 | 33KV V CROSS ARMS WITHOUT CLAMPS | EA | 1231.06 |
| 4 | FBE30018 | 33KV CHANNEL V X ARMs FOR SPUN POLE WITH CLAMPs | EA | 2000.00 |
| 5 | FBE30006 | 33KV TOP CLEAT WITH CLAMPs | EA | 931.00 |
| | | <u>3.B) 11KV CROSS ARMS AND TOP FITTINGS</u> | | |
| 1 | FBE10004 | 11KV M.S CHANNEL CROSS ARM(TAPPING)75X40 | EA | 719.65 |
| 2 | FBE10006 | 11KV HORIZONTAL CROSS ARMS | EA | 556.20 |
| 3 | FBE10033 | 11KV TAPPING X ARM W 100X50MM MS CHANNEL | EA | 778.68 |
| 4 | FBE10035 | 11KV MS CH X ARM(TAPING)75X40 WITH CLAMP | EA | 590.81 |
| 5 | FBE10001 | 11KV ANGLE V-X ARMS 65X65X6 W/O CLAMPS | EA | 789.34 |
| 6 | FBE10002 | 11KV VX ARMS WITH MSCHANNEL 140KG | EA | 689.69 |
| 7 | FBE10003 | 11KV VCROSS ARMS WITH CLAMPS 200KG | EA | 1078.00 |
| 8 | FBE10016 | 11KV V 'X' ARM(75X40) WITH CLAMP FOR 9.1 | EA | 1108.00 |
| 9 | FBE10028 | 11KV ANGLE V-X ARM WITH CLAMP 140 KG | EA | 639.60 |
| 10 | FBE10034 | 11KV ANGLE V-X ARM WITH CLAMP 200 KG | EA | 650.00 |
| 11 | FBE00025 | 11 KV SIDE ARM WITH STUTT | EA | 2000.00 |

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|-------|-----------------------|---|------|-----------|
| 12 | FBE10007 | 11KV TOP CLEAT WITH CLAMPS For 8.0 | EA | 431.00 |
| 13 | FBE10021 | 11KV TOP CLEAT WITH CLAMPS FOR 9.1 | EA | 460.00 |
| 14 | FBE10032 | 11KV Spl. Type Top Fittings with Clamps | EA | 210.12 |
| | | <u>3.C) LT CROSS ARMS</u> | | |
| 1 | FBE00008 | LT 3 PH. 5 WIRE CROSS ARMS | EA | 794.00 |
| 2 | FBE00039 | LT RAISING 3-PHASE 5 WIRE CROSS ARM | EA | 1458.48 |
| 3 | FBE00020 | LT 3PH 4 WIRE X ARMS WITHOUT CLAMP | EA | 296.64 |
| 4 | FBE00007 | LT 3 PH 4WIRE CROSS ARM & CLAMP (200KG) | EA | 654.00 |
| 5 | FBE00009 | LT 3 PH 4WIRE CROSS ARM & CLAMP (140KG) | EA | 446.20 |
| 6 | FBE00030 | LT 3PH ANGLE X-ARM W CLAMP[50X50X6] 140KG | EA | 271.92 |
| 7 | FBE00036 | LT 3PH SIDE ARMS WITH STUTT | SET | 2300.00 |
| 8 | FBE00045 | LT 3PH SIDE ARMS WITH STUTT & CLAMPS | SET | 1062.96 |
| 9 | FBE00034 | LT 1 PH. 3 WIRE CROSS ARM WITHOUT CLAMP | EA | 383.16 |
| 10 | FBE00006 | LT 1 PH. 3 WIRE CROSS ARM WITH CLAMP | EA | 550.00 |
| 11 | FBE00029 | LT 1PH 3 W ANGLE X-ARM W CLAMP [50X50X6) | EA | 484.53 |
| 12 | FBE00033 | LT 1 PH. 2 WIRE CROSS ARMS W/O CLAMP | EA | 321.36 |
| 13 | FBE00024 | LT STUT AND SIDE ARM | EA | 2300.00 |
| | | <u>3.D) BACK CLAMPS</u> | | |
| 1 | FBE30001 | 33KV M.S.BACK CLAMPS | EA | 257.00 |
| 2 | FBE30024 | 33KV M.S.BACK CLAMPS FOR SPUN POLES | EA | 250.00 |
| 3 | FBE30002 | 33KV M.S.STAY CLAMPS | EA | 432.00 |
| 4 | FBE00002 | M.S.BACK CLAMPS FOR 9.1 M PSCC POLE | EA | 119.89 |
| 5 | FBE00040 | M.S.BACK CLAMPS FOR 9.1 M POLE 75X8 | EA | 250.00 |
| 6 | FBE00001 | M.S.BACK CLAMPS FOR 8 MPSCC POLES 200KG | EA | 100.00 |
| 7 | FBE00041 | MS.BACK CLAMP 8M POLES 200KG(SLOT HOLE) | EA | 200.00 |
| 8 | FBE00048 | MS STRUT CLAMPS FOR 8M/200KG POLES (SET) | EA | 92.70 |
| 9 | FBE00038 | MS STAY CLAMP FOR 140 KG POLE | EA | 86.52 |
| 10 | FBG00019 | M.S.STAY CLAMPS SPECIAL | EA | 173.00 |
| 11 | FBE00021 | POLE MOUNTING CLAMPS | EA | 50.00 |
| | | <u>3.E) STAY SETS</u> | | |
| 1 | FBE30008 | 33KV MS STAY SETS WITH BASE PLATE | EA | 1200.00 |
| 2 | FBE30009 | 33KV MS STAY SETS WITHOUT BASEPLATE | EA | 1000.00 |
| 3 | FBE30010 | 33KV MS STAY SET WITHOUT CLAMPS | EA | 800.00 |
| 4 | FBE30021 | 33KV MS STAY SET WITH CLAMPS For 9.1MTS POLES | | 1500.00 |
| 5 | FBE10022 | 11KV MS STAY SET WITH CLAMPS | EA | 541.62 |
| 6 | FBE10010 | 11KV MS STAY SETS WITHOUT BASEPLATE | EA | 763.00 |
| 7 | FBE10023 | 11KV MS STAY SETS WITH OUT CLAMPS | SET | 271.92 |
| 8 | FBE00004 | M.S.STAY CLAMPS FOR 9.1 M PSCC POLE | EA | 250.00 |
| 9 | FBE00028 | M.S.STAYSET WITH CLAMPS FOR 8M PSCCPOLES | EA | 383.16 |
| 10 | FBE00003 | M.S.STAY CLAMPS FOR 8 MPSCC POLES (SET) | EA | 161.00 |
| | | <u>3.F) DP STRUCTURE MATERIALS</u> | | |
| 1 | FBG00032 | DP STRUCTURE TOTAL SET | SET | 4709.16 |
| 2 | FBG00010, FBG00018 | POLE MOUNT ARGMT FOR 16/25KVADTR(CHANEL) | EA | 2422.56 |
| 3 | FBE00044 | MOUNTING ARRANGEMENT FOR 1PH DTR | SET | 669.06 |
| | | 4) CONDUCTORS | | |
| 1 | CDR00005 | AAA CONDUCTOR 200 SQ. MM | KM | 158801.28 |
| 2 | CDR00004 | AAA CONDUCTOR 100 SQ. MM | KM | 102250.00 |
| 3 | CDR00003 | AAA CONDUCTOR 55 SQ. MM | KM | 67000.00 |
| 4 | CDR00002 | AAA CONDUCTOR 34 SQ. MM | KM | 36000.00 |
| 5 | CDR00011 | ACSR CONDUCTOR ZEBRA | KM | 281783.28 |
| 6 | CDR00010 | ACSR CONDUCTOR PANTHER 200 Sq.mm | KM | 250000.00 |

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|---|-------------------|--|------|-----------|
| 7 | CDR00008 | ACSR CONDUCTOR (30+7/3.00MM) 200 SQMM | KM | 157169.76 |
| 8 | CDR00006 | ACSR CONDUCTOR 7/2.11 | KM | 15276.96 |
| 9 | CDR00014 | AL 59 CONDUCTOR 109 SQ MM | KM | 56411.04 |
| 10 | CDR00015 | ACSR WOLF CONDUCTOR (30+7/2.59) 150 SqMM | KM | 138270.00 |
| 5) CABLES | | | | |
| <u>5.A) 33 KV XLPE POWER CABLES</u> | | | | |
| 1 | CBX30001 | 33KV XLPE CABLE 3 CORE 400 SQ. MM | M | 2472.34 |
| 2 | CBX30004 | 33KV XLPE CABLE 3 CORE 300 SQ. MM | M | 2081.43 |
| <u>5.B) 11 KV XLPE POWER CABLES</u> | | | | |
| 1 | CBX10008 | 11KV XLPE CABLE 3 CORE 300 SQ. MM | M | 1553.18 |
| 2 | CBX10007 | 11KV XLPE CABLE 3 CORE 185 SQ. MM | M | 1112.40 |
| 3 | CBX10006 | 11KV XLPE CABLE 3 CORE 120 SQ. MM | M | 852.84 |
| 4 | CBX10005 | 11KV XLPE CABLE 3 CORE 95 SQ. MM | M | 1057.99 |
| 5 | CBX10002 | 11KV XLPE CABLE 3 CORE 35 SQ. MM | M | 605.95 |
| <u>5.C) 11 KV PLIC POWER CABLES</u> | | | | |
| 1 | CBX10001 | 11KV PLIC CABLE 3 CORE 35 SQ. MM | M | 358.44 |
| <u>5.D) LT PVC 1 CORE CABLES (XLPE)</u> | | | | |
| 1 | CBX00017 | LT PVC CABLE 1 CORE 185 SQ. MM | M | 142.14 |
| 2 | CBX00009 | LT PVC CABLE 1 CORE 150 SQ. MM | M | 113.71 |
| 3 | CBX00008 | LT PVC CABLE 1 CORE 120 SQ. MM | M | 181.00 |
| 4 | CBX00007 | LT PVC CABLE 1 CORE 95 SQ. MM | M | 151.00 |
| 5 | CBX00006 | LT PVC CABLE 1 CORE 70 SQ. MM | M | 55.62 |
| 6 | CBX00005 | LT PVC CABLE 1 CORE 50 SQ. MM | M | 43.26 |
| <u>5.E) LT XLPE 1 CORE CABLES</u> | | | | |
| 1 | CBX00002 | LT XLPE CABLE 1 CORE 70 SQ. MM | M | 58.12 |
| <u>5.F) LT XLPE 3 1/2 CORE CABLES</u> | | | | |
| 1 | CBX00015 | LT XLPE CABLE 3 1/2 CORE 185 SQ. MM | M | 395.52 |
| 2 | CBX00014 | LT XLPE CABLE 3 1/2 CORE 120 SQ. MM | M | 363.38 |
| 3 | CBX00013 | LT XLPE CABLE 3 1/2 CORE 95 SQ. MM | M | 293.45 |
| 4 | CBX00012 | LT XLPE CABLE 3 1/2 CORE 70 SQ. MM | M | 228.66 |
| 5 | CBX00018 | LT PVC AL CONTR CABLE 4 CORE 4 SQ. MM | M | 31.20 |
| <u>5.G) LT UNARMoured 3 1/2 CORE CABLES</u> | | | | |
| 1 | CBP00019 | LT PVC UNARMoured 3.5 CORE CABLE 150sqmm | M | 407.88 |
| <u>5.H) LT CONTROL CABLES</u> | | | | |
| 1 | CBP00006 | LT PVC CU CONTR CABLE 10 CORE 2.5 SQ. MM | M | 253.23 |
| 2 | CBP00002 | LT PVC CU CONTR CABLE 4 CORE 2.5 SQ. MM | M | 102.19 |
| 3 | CBP00001 | LT PVC CU CONTR CABLE 2 CORE 2.5 SQ. MM | M | 56.16 |
| 4 | CBX00018 | LT PVC AL CONTR CABLE 4 CORE 4 SQ. MM | M | 31.20 |
| 5 | CBX00043 | LT AB Cable XLPE 3C X 25+25 Sq. mm | KM | 111000 |
| <u>5.I) LT AERIAL BUNCHED CABLES</u> | | | | |
| 1 | CBA00003 | LT AB CABLE 3 X 16 + 25 SQ. MM | M | 64.92 |
| 2 | CBA00002 | LT AB CABLE 2 X 16 + 25 SQ. MM | M | 55.87 |
| 3 | CBA00001 | LT AB CABLE 1 X 16 + 25 SQ. MM | M | 30.90 |
| <u>5.J) LT AERIAL BUNCHED CABLE FITTINGS</u> | | | | |
| 1 | HWR00012 | HARDWARE FOR SUSPENSION CLAMPS(EYEHOOKS) | EA | 210.12 |
| 2 | SCB00058 | LT CONNECTOR FOR AB CABLE WTH Insulation | EA | 98.88 |
| 3 | HWR00009 | DEAD END CLAMPS WITH EYE HOOK | EA | 135.96 |
| <u>5.K) CABLE JOINTING KITS</u> | | | | |
| 1 | SCB00069 | 33KV 3X400 XLPE UG CABLE ST TH JOINT KIT | EA | 54105.90 |
| 2 | SCB00061 | 33KV XLPE CABLE JOINTING KIT 3X400SQMM | EA | 12421.80 |
| 3 | SCB00027 | 11KV HEAT SHRKABL JOIT.KIT FOR 3X300SQMM | EA | 4619.05 |

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|---|-------------------|---|------|------------|
| 4 | SCB00055 | 11KV CABLE JOINTING KITS 3X185 SQ.MM | EA | 3510.24 |
| 5 | SCB00025 | 11KV CABLE JOINTING KIT 3X35SQMM OUTDOOR | EA | 979.40 |
| 6) POWER TRANSFORMERS, CAPACITORS AND TRASFORMER OIL | | | | |
| 1 | PTR00018 | 33/11 KV 12.5MVA POWER TRANSFORMER | EA | 10400387 |
| 2 | PTR00009 | 33/11 KV 10MVA POWER TRANSFORMER | EA | 11968091 |
| 3 | PTR00008 | 33/11 KV 8MVA POWER TRANSFORMER | EA | 6477092 |
| 4 | PTR00006 | 33/11 KV 5MVA POWER TRANSFORMER | EA | 4949761 |
| 5 | PTR00005 | 33/11 KV 3.15MVA POWER TRANSFORMER | EA | 3427428.00 |
| 6 | CPT10013 | 11KV CAPACITOR BANK WITH VCB & ACCESSORIES | EA | 1215896.46 |
| 7 | OFO10009 | TRANSFORMER OIL (with Drums) | L | 95.17 |
| 7) DISTRIBUTION TRANSFORMERS | | | | |
| <u>7.A) 3PH DTRs</u> | | | | |
| 1 | DTC30009 | 3PH 315KVA DTR CRGO CSP | EA | 1675000.01 |
| 2 | DTA30013 | 3PH 315KVA DTR AMARPHOUS CSP | EA | 1675000.01 |
| 3 | DTC30011 | 3PH 250KVA DTR CRGO CSP | EA | 605542.83 |
| 4 | DTC30113 | 3PH 250KVA DTR CRGO CONVENTIONAL | EA | 612961.47 |
| 5 | DTA30007 | 3PH 160KVA DTR AMARPHOUS | EA | 569700 |
| 6 | DTC30127 | 3PH 160KVA DTR AMARPHOUS/CRGO CSP BEE 5* RATING | EA | 569700 |
| 7 | DTC30007 | 3PH 160KVA DTR CRGO CSP | EA | 569700 |
| 8 | DTC30118 | 3-PH 160 KVA DTR WITH BEE BEE 3* RATING | EA | 569700 |
| 9 | DTC30106 | 3PH 100KVA DTR CRGO CONVENTIONAL | EA | 321799.14 |
| 10 | DTA30006 | 3PH 100KVA DTR AMARPHOUS | EA | 321799.14 |
| 11 | DTC30131 | 3PH 100KVA DTR AMARPHOUS/CRGO with 5 star | EA | 321799.14 |
| 12 | DTC30006 | 3PH 100KVA DTR CRGO CSP | EA | 321799.14 |
| 13 | DTC30116 | 3PH 100KVA DTR CRGO CONV BEE 3* RATING | | 201426.64 |
| 14 | DTC30122 | 3PH 100KVA DTR CRGO CONV BEE 5* RATING | EA | 321799.14 |
| 15 | DTC30005 | 3PH 75 KVA DTR CRGO CSP | EA | 91928.00 |
| 16 | DTC30105 | 3PH 75 KVA DTR CRGO CONVENTIONAL | EA | 91928.00 |
| 17 | DTC30104 | 3PH 63 KVA DTR CRGO CONVENTIONAL | EA | 254750.00 |
| 18 | DTC30004 | 3PH 63 KVA DTR CRGO CSP | EA | 254750.00 |
| 19 | DTA30004 | 3PH 63 KVA DTR AMARPHOUS | EA | 254750.00 |
| 20 | DTC30129 | 3PH 63 KVA DTR AMARPHOUS CSP BEE 5* RATING | EA | 254750.00 |
| 21 | DTC30115 | 3PH 63 KVA DTR CRGO CONV BEE 3* RATING | EA | 254750.00 |
| 22 | DTC30003 | 3PH 50 KVA DTR CRGO CSP | EA | 69010.00 |
| 23 | DTC30103 | 3PH 50 KVA DTR CRGO CONVENTIONAL | EA | 69010.00 |
| 24 | DTC30111 | 3PH 40 KVA DTR CRGO CONV BEE 3* RATING | EA | 168171.89 |
| 25 | DTC30128 | 3PH 40 KVA DTR CRGO CONVL BEE 3* RATING | EA | 168171.89 |
| 26 | DTC30130 | 3PH 40 KVA DTR AMARPHOUS CONV BEE 5* RATING | EA | 168171.89 |
| 27 | DTC30102 | 3PH 25 KVA DTR CRGO CONVENTIONAL | EA | 139999.00 |
| 28 | DTC30116 | 3PH 25 KVA DTR CRGO CONV BEE 3* RATING | EA | 139999.00 |
| 29 | DTC30123 | 3PH 25 KVA DTR CRGO CONV BEE 5* RATING | EA | 139999.00 |
| 30 | DTC30002 | 3PH 25 KVA DTR CRGO CSP | EA | 139999.00 |
| 31 | DTC30101 | 3PH 16 KVA DTR CRGO CONV 3* RATING | EA | 83601.60 |
| 32 | DTC30001 | 3PH 16 KVA DTR CRGO CSP | EA | 83601.60 |
| 33 | DTC30132 | 3PH 16 KVA DTR CRGO/AMARPHOUS CONV 5* RATING (COPPER) | EA | 83601.60 |
| 34 | DTC30112 | 3PH 15 KVA DTR CRGO CONVENTIONAL | EA | 44496.00 |
| 35 | DTA30011 | 3PH 15 KVA DTR AMARPHOUS | EA | 44496.00 |
| 36 | DTC10001 | 1PH 5 KVA DTR CRGO CSP | EA | 28966.80 |
| 37 | DTC10101 | 1PH 5 KVA DTR CRGO CONVENTIONAL | EA | 28966.80 |
| 38 | DTC10002 | 1PH 10 KVA DTR CRGO CSP | EA | 33001.20 |
| 39 | DTC10103 | 1PH 10 KVA DTR 11KV/1.732 CRGO CONV | EA | 33001.20 |

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| 40 | DTC10004 | IPH 15 KVA DTR CRGO CSP | EA | 45026.40 |
| 41 | DTA10003 | IPH 15 KVA DTR AMARPHOUS | EA | 45026.40 |
| 42 | DTC10104 | IPH 15 KVA DTR CRGO CONVENTIONAL | EA | 45026.40 |
| 43 | DTC10107 | IPH 16 KVA DTR CRGO/AMARPHOUS CSP | EA | 120900.00 |
| 8) SWITCH CONTROL AND PROTECTIVE GEAR | | | | |
| <u>8.A) CIRCUIT BREAKERS AND RELAYS</u> | | | | |
| | BRK30001 | 33KV SF6 CIRCUIT BREAKER W/O PANEL | EA | 432847.20 |
| 1 | BRK30002 | 33KV FEEDER VCB WITH CT'S&CONTROL PANEL | EA | 445560.00 |
| 2 | BRK30016 | 33KV Feder VCB W/O CT's&with Contl Panel | EA | 340412.94 |
| 3 | BRK30017 | 33KV SF6 CIRCUIT BREAKER CONTROL PANEL | EA | 254616.00 |
| 4 | BRK30005 | 33KV VCB W/O CT'S&CONTROL PANEL(220V DC) | EA | 248239.48 |
| 5 | BRK30003 | 33KV VCB W/O CT'S&CONTROL PANEL(24V DC) | EA | 330498.00 |
| 6 | BRK30019 | 33KV FEEDER VCB Without CONTROL RELAY PANEL | EA | 375300.00 |
| 7 | BRK30020 | 33KV VCB WITH CT'S&CONTROL PANEL (24V) | EA | 467205.66 |
| 8 | | 33KV HV VCB WITH CRP(IEDs) and CT'S(PMA Type) | EA | 755650.76 |
| 9 | BRK10002 | 11KV FEEDER VCB WITH CT'S&CONTROL PANEL | EA | 338059.99 |
| | BRK10010 | 11KV LV CONTROL VCB WITH RELAY PANEL | EA | 311138.78 |
| 10 | | 11KV LV VCB WITH CRP(IEDs) and CT'S(PMA Type) | EA | 820664.04 |
| 11 | | 11KV Feeder VCB WITH CRP(IEDs) and CT'S(PMA Type) | EA | 588653.62 |
| 12 | BRK10004 | 11KV LV VCB with CTs and Control panels | EA | 334251.48 |
| 13 | BRK10011 | 11KV FEEDER CONTROL VCB WITH RELAY PANEL | EA | 200075.03 |
| <u>8.B) SWITCH GEAR ACCOSSORIES</u> | | | | |
| 1 | BRK30014 | 33KV TWIN FEDR CONTL&RELY PANEL(220V DC) | EA | 176562.60 |
| 2 | BRK30013 | 33KV HV/LV RELAY PANEL | EA | 101636.28 |
| 3 | BRK30011 | 33KV CONTROL PANEL WITH ENERGY METER | EA | 94195.56 |
| 4 | BRK30010 | 33KV CONTROL PANEL WITHOUT ENERGY METER | EA | 89115.60 |
| 5 | BRK30012 | 33KV INDOOR CONTROL PANEL | EA | 55459.32 |
| 6 | BRK00002 | 11KV RING MAIN UNITS 5 WAY | EA | 771264.00 |
| 7 | BRK10006 | 11KV 220V RELAY CONTROL PANEL | EA | 149185.20 |
| 8 | BRK10012 | 11KV FEEDER CONTROL RELAY PANEL | EA | 47956.80 |
| 9 | BRK10008 | ALARAM PANEL SUITABLE FOR 11KV | EA | 35009.70 |
| 9) CURRENT TRANSFORMERS | | | | |
| <u>9.A) 33 KV CTs</u> | | | | |
| | ITR30031 | 33KV CT'S 200-100-50/1-1A | EA | 22285.08 |
| | ITR30032 | 33KV CT'S 200-100-50/5-5A | EA | 21790.68 |
| | ITR30034 | 33KV CT'S 400-200-100/1-1-1A | EA | 37996.00 |
| | ITR30035 | 33KV CT'S 400-200-100/1-1A | EA | 24842.40 |
| | ITR30036 | 33KV CT'S 400-200-100/5-5A | EA | 21790.68 |
| | ITR30037 | 33KV CT'S 200-100/ 1-1 A | EA | 21790.68 |
| | ITR30070 | 33KV METERING CT'S 100/1A Class 1.0 | EA | 21642.36 |
| | ITR30071 | 33KV METERING CT'S 25/1A 0.2 CL | EA | 19300.80 |
| | ITR30072 | 33KV METERING CT'S 50/1A 0.2 CL | EA | 24151.44 |
| | ITR30073 | 33KV METERING CT'S 100/1A 0.5 CLASS | EA | 21642.36 |
| | ITR30074 | 33KV METERING CT'S 100/1A 0.2 CLASS | EA | 22631.16 |
| | ITR30075 | 33KV 1PH OUTDOOR CT RATIO 100-50/5-5A | EA | 21642.36 |
| | ITR30076 | 33KV CTs 200-100/1-1-1Amps | EA | 19652.40 |
| | ITR30077 | 33KV CTs - 150/1.1Amps | EA | 18206.28 |
| | ITR30078 | 33KV CTs 200/1A CLASS 0.2 | EA | 28069.56 |
| | ITR30079 | 33 KV INDOOR EPOXY RESIN CAST CT | EA | 28675.20 |
| | ITR30080 | 33KV CTs 200/1A CLASS 0.2S ACCURACY | EA | 24336.84 |

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| | ITR30101 | 33KV METRNG CT 50/1A CLASS 0.2S ACCURACY | EA | 20274.00 |
| | ITR30110 | 33KV METRNG CT 100/1A CLASS 0.2S ACCURACY | EA | 19083.60 |
| | ITR30104 | 33KV METRNG CT 150/1A CLASS 0.2S ACCURACY | EA | 19083.60 |
| | ITR30111 | 33KV METRNG CT 25/1A CLASS 0.2S ACCURACY | EA | 20274.00 |
| | | <u>9.B) 33 KV PTs</u> | | |
| | ITR30011 | 33KV 1PH P.T.S 100VA BURDEN CLASS 0.5 | EA | 20703.60 |
| | ITR30012 | 33KV 1PH P.T.S 100VA BURDEN CLASS 0.2 | EA | 76780.00 |
| | ITR30100 | 33KV 1PH 200VA PT class 1.00 | EA | 14214.00 |
| | ITR30015 | 33KV 1PH P.T.S 110V, 10VA BURDEN | EA | 31270.00 |
| | | <u>9.C) 11 KV CTs</u> | | |
| | ITR10005 | 11 KV CT 200-100/1-1A (METERING CORE) | EA | 10592.52 |
| | ITR10006 | 11 KV CT 200-100/5-5A (METERING CORE) | EA | 13756.68 |
| | ITR00009 | 11 KV CTS -600-300/1.A | EA | 18788.44 |
| | ITR10010 | 11 KV CT 50-100/1A | EA | 9838.56 |
| | ITR10011 | 11 KV CT 600-300-150/1A | EA | 11556.60 |
| | ITR10012 | 11KV CTS 50-100/5A | EA | 9838.56 |
| | ITR10050 | 11KV CTS 100-50/5A | EA | 8800.32 |
| | ITR10051 | 11KV CTS 200-100/5-5A | EA | 10246.44 |
| | ITR10052 | 11KV CTS 200-100-50/5-5A | EA | 13880.28 |
| | ITR10053 | 11KV CTS 400-200/1-1A | EA | 14155.00 |
| | ITR10055 | 11KV CTS 400-200-100/1-1A | EA | 22597.00 |
| | ITR10056 | 11KV CTS 400-200-100/5-5A | EA | 16550.04 |
| | ITR10057 | 11KV CTS 600-300-150/1-1-0.5775A | EA | 18239.65 |
| | ITR10071 | 11KV POLYCRETE CT RATIO 200-100/1-1A | EA | 9813.84 |
| | ITR10072 | 11KV POLYCRETE CT RATIO 200-100/5-5A | EA | 10592.52 |
| | ITR10073 | 11KV CTs - 200 - 150 / 1.1A | EA | |
| | | <u>9.D) 11 KV PTs</u> | | |
| | ITR10020 | 11KV 3PH P.T.S | EA | 19470.00 |
| | | <u>9.E) 11 KV CTPT sets</u> | | |
| | ITR10032 | 11KV C.T.P.T. SET 75/5A | EA | 76780.00 |
| | ITR10029 | 11KV C.T.P.T. SET 60/5A | EA | 76780.00 |
| | ITR10028 | 11KV C.T.P.T. SET 40/5A | EA | 83500.00 |
| | ITR10026 | 11KV C.T.P.T. SET 20/5A | EA | 61578.26 |
| | ITR10025 | 11KV C.T.P.T. SET 10/5A | EA | 87800.00 |
| | ITR10083 | 11KV C.T.P.T. SET 5/5A | EA | 38995.80 |
| | ITR10035 | 11KV BOTH SIDE CABLE ENTRY INDOOR 10/5A | EA | 42126.00 |
| | ITR10036 | 11KV BOTH SIDE CABLE ENTRY INDOOR 20/5A | EA | 95000.00 |
| | ITR10037 | 11KV OD PL MOUNT CTPT 60/5A 80KA 0.5SEC | EA | 37253.04 |
| | ITR10075 | 11KV CTS OF RATIO 600-300/1-1-0.5775A | EA | 18515.28 |
| | ITR30102 | 11 KV, 20/5A NEUTRAL CURRENT TRANSFORMER | EA | 57288.60 |
| | ITR30103 | 11 KV/110V RESIDUAL VOLTAGE TRANSFORMER | EA | 57288.60 |
| | ITR40001 | 3PH 0-500V 30V VARRIAC | EA | 22000.80 |
| | ITR40002 | CONSTANT VOLTAGE TRS. 150V 3A BHEL | EA | 60000.00 |
| | | 10) AB SWITCHES | | |
| | | <u>10.A) 33 KV</u> | | |
| | ABS30010 | 33KV 800A CONV. AB SWITCH WITH S.C.I | EA | 47760.00 |
| | ABS30004 | 33KV 800A CONV. AB SWITCH WITH P.T.I | EA | 33618.81 |
| | ABS30007 | 33KV 800A ABSWITCH 100A FUSE TY WITH INS | EA | 27315.60 |
| | ABS30009 | 33KV 800A ABSWITCH 75A FUSE TY WITH INSL | EA | 27315.60 |
| | ABS30008 | 33KV 800A ABSWITCH 40A FUSE TY WITH INSL | EA | 27463.92 |
| | ABS30002 | 33KV 400A AB SWITCH WITH INSULATORS | EA | 25844.76 |

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| | | <u>10.B) 11KV</u> | | |
| | ABS10015 | 11KV 800A CONV. AB SWITCH WITH P.T.I | EA | 23999.01 |
| | ABS10014 | 11KV 800A D/B AB SWITCH W/O INSULATORS | EA | 15190.44 |
| | ABS10008 | 11KV 400A CONV AB SWITCH WITH P.T.I | EA | 14520.00 |
| | ABS10007 | 11KV 400A CONV AB SWITCH W/O INSULATORS | EA | 5524.92 |
| | ABS10002 | 11KV 200A TT AB SWITCH WITH INSULATORS | EA | 9986.88 |
| | ABS10001 | 11KV 200A TT AB SWITCH W/O INSULATORS | EA | 6699.12 |
| | ABS10004 | 11KV 200A CONV AB SWITCH WITH P.T.I | EA | 9013.00 |
| | ABS10003 | 11KV 200A CONV AB SWITCH W/O INSULATORS | EA | 4944.00 |
| | | 11) LIGHTNING ARRESTORS | | |
| | LAS00004 | 33KV LIGHTNING ARRESTORS STATION TYPE | EA | 4472.20 |
| | LAS00002 | 11KV LIGHTNING ARRESTORS STATION TYPE | EA | 2977.00 |
| | LAS00001 | 11KV LIGHTNING ARRESTORS LINE TYPE | EA | 1473.00 |
| | | 12) HG FUSE SET | | |
| | HGF30000 | 33KV 3Ph HG FUSE SETs | EA | 9534.40 |
| | HGF10002 | 11KV 3 Ph HG FUSE SETS | EA | 3708.00 |
| | HGF10003 | 11KV 1Ph HG FUSE SET WITHOUT INSULATORS | EA | 414.06 |
| | HGF10004 | 11KV 1Ph HG FUSE SET WITH INSULATORS | EA | 924.55 |
| | HGF00003 | LT HG FUSE SETS WITH OUT INSULATORS | EA | 1273.08 |
| | HGF00004 | LT 3 Ph HG FUSE SETS | EA | 2076.48 |
| | HGF00008 | LT 3PH HG FUSE SET WITH SCI | EA | 1854.24 |
| | HGF00006 | LT 1-PH HG FUSE SET | EA | 732.95 |
| | HGF00007 | FUSE BASE WITH THROWOUT SWITCH 200A,500V | EA | 284.28 |
| | HGF00010 | SUPPORTING INSULATORS FIXING CHANNEL | EA | 494.40 |
| | | 13) BATTERIES & CHARGERS | | |
| | | <u>13.A) BATTERIES</u> | | |
| | BAT00029 | 24V 40AH BATTERY WITH TRICKLE CHARGER | EA | 17108.82 |
| | BAT00025 | 24V 40AH BATTERY W/O CHARGER | EA | 7168.00 |
| | BAT00073 | 12V-180 AH Exide X press chgd battery | EA | 15141.00 |
| | BAT00064 | 12 V 150 AH BATTERY | EA | 13756.68 |
| | BAT00057 | 12V 130AH BATTERIES | EA | 11729.64 |
| | BAT00059 | 12V 100AH BATTERIES | EA | 10011.60 |
| | BAT00076 | 12V 100AH MAINTANANCE FREE BATTERY | EA | 8689.08 |
| | BAT00058 | 12V 99AH BATTERIES | EA | 8157.60 |
| | BAT00043 | 12V 88AH BATTERY | EA | 7990.74 |
| | BAT00051 | 12V 80AH MAINTENANCE FREE BATTERY | EA | 7663.20 |
| | BAT00016 | 12V 80AH LOW MAINT. LEAD ACID BATTERIES | EA | 7385.10 |
| | BAT00015 | 12V 80AH LEAD ACID BATTERIES | EA | 7199.70 |
| | BAT00074 | DIN 43AH- 12 V EXIDE MAINT FREE BATTERY | EA | 7131.72 |
| | BAT00056 | 12V 42AH MAINTENANCE FREE BATTERIES | EA | 7131.72 |
| | BAT00010 | 12V 40AH MAINTENANCE FREE BATTERIES | EA | 5067.60 |
| | BAT00075 | 12V 35AH MAINTANANCE FREE BATTERY | EA | 4585.56 |
| | BAT00042 | NS-40 12V.35AH BATTERIES | EA | 4499.04 |
| | BAT00050 | 12V 32AH BATTERY | EA | 3794.52 |
| | BAT00055 | 12V 26AH MAINTENANCE FREE BATTERIES | EA | 3374.28 |
| | BAT00068 | 12 V 22AH BATTERY | EA | 3065.28 |

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| | BAT00014 | 12V 7AH SMF BATTERY | EA | 1019.70 |
| | BAT00008 | 12V 21 PLATES CHARGED BATTERY | EA | 9424.50 |
| | BAT00005 | 12V 15 PLATES BATTERIES | EA | 8584.02 |
| | BAT00004 | 12V 13 PLATES BATTERIES | EA | 7317.12 |
| | BAT00045 | MHD-1500 EXIDE CHARGER BATTERIES | EA | 10950.96 |
| | BAT00044 | MHD-1300 EXIDE CHARGER BATTERIES | EA | 10555.44 |
| | BAT00046 | MM D - 99 TYPE EXIDE BATTERY | EA | 8145.24 |
| | BAT00062 | 26 AH BATTERY & INTERCONNECTING TERMINAL | SET | 9171.12 |
| | BAT00040 | BATTERIES STAND WITH ACCESSARIES | EA | 339.90 |
| | | <u>13.B) CHARGERS</u> | | |
| | BAT00077 | 24V 100AH DUAL BATTERY CHARGER (Max 10A) | EA | 18014.70 |
| | | 14) ENERGY METERS AND METERING EQUIPMENT | | |
| | | <u>14.A) 220KV, 132 KV & 33KV HT TRIVECTOR METERS</u> | | |
| | MHT30015 | HT TRIVECTOR 220KV/110V ELE METER 3 PH | EA | 20208.60 |
| | MHT30036 | HT TRIMETER 220KV/110V/100/1A 3 ELEMENT | EA | 20208.60 |
| | MHT30043 | HT TRIVECTOR 132KV/110V,100/1A RLY METER | EA | 20208.60 |
| | MHT30011 | HT TRIV MTR 132KV/110V100/1A15M IP CL0.2 | EA | 20208.60 |
| | MHT30052 | HT TVR MTR 132KV/110V 200/1A 15MIP 0.2S | EA | 20208.60 |
| | MHT30013 | HT TRIVECTOR 132KV/110V, 1A.METER" | EA | 20208.60 |
| | MHT30038 | HT TRIVECTOR 132KV/110V,100/1A TRACTION | EA | 20208.60 |
| | MHT30019 | HT TRVCTR MTR 33KV/110V 100/1A 30MI 0.2C | EA | 19776.00 |
| | MHT30004 | HT TRIVECTOR 33KV/110V 100/1A METERS | EA | 17205.12 |
| | MHT30021 | 33KV/110V100/1A TVR MTR 15M IP 0.2CL | EA | 17205.12 |
| | MHT30048 | HT TRIVECTOR METER 0.2 SPL CLASS (ABT) | EA | 23150.28 |
| | MHT30051 | HT TRVCTR MTR 33KV/110V 100/1A 15MI 0.2C | EA | 16859.04 |
| | MTO10033 | STATIC TRIMETER 33KV/110V/100/5A 30 MIN | EA | 16846.68 |
| | MHT30018 | HTRIVECTOR 33KV/110V 200/1A METER,0.2CL | EA | 15363.48 |
| | MHT30008 | HTRIVECTOR 33KV/110V200/1A MTR0.5C 30MI | EA | 15079.20 |
| | MHT30037 | HT STATIC TRIVECT METER 33KV/110V/60/5A | EA | 13472.40 |
| | MHT30005 | HT TRIVECTOR 33KV/110V 50/5A METERS | EA | 6390.12 |
| | MHT30049 | HT TRIVECT.METER 33KV /110V &200/1A 0.5S | EA | 5512.56 |
| | MHT30050 | HT TRIVECT.METER 33KV /110V & 50/1A 0.5S | EA | 5512.56 |
| | MHT30039 | HT TRI 33KV/110V 20/1A 30Min CL 0.5 Metr | EA | 5487.84 |
| | MHT30009 | HT TRVCTR MTR 33KV/110V 400/1A 30MI 0.2C | EA | 5463.12 |
| | MHT30047 | HT STATIC TRIVEC.33KV/110V 200/5A 0.5 CL | EA | 5463.12 |
| | MHT30044 | HT Trvctr Mtr 33KV/110V 400/1A 30MI 0.5C | EA | 5042.88 |
| | MTO10024 | MI AMMETER 0.5A | EA | 98.88 |
| | MHT30057 | 132/110VHTTVR MT 100/1A(AMR TOD & ABT) | EA | 80023.20 |
| | MHT30060 | 132/110VHTTVR MT 50/1A(AMR TOD & ABT) | EA | 80023.20 |
| | MHT30062 | 132/110VHTTVR MT 200/1A(AMR TOD & ABT) | EA | 80023.20 |
| | MHT30058 | 33/110VHT TVR MT 50/1A(AMR TOD & ABT) | EA | 80023.20 |
| | MHT30061 | 33/110VHTTVR MT 25/1A(AMR TOD & ABT) | EA | 80023.20 |
| | MHT30064 | 33/110VHTTVR MT 200/1A(AMR TOD & ABT) | EA | 80023.20 |
| | MHT30065 | 33/110VHTTVR MT 100/1A(AMR TOD & ABT) | EA | 80023.20 |
| | MHT30059 | 11/110VHTTVR MT 100/1A(AMR TOD & ABT) | EA | 80023.20 |
| | MHT30066 | 11/110VHTTVR MT 25/1A(AMR TOD & ABT) | EA | 80023.20 |

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| | | <u>14.B) 11KV HT TRIVECTOR METERS</u> | | |
| | MHT10012 | HT TRIV MTR 11KV/110V 200/5A15M IP CL0.2 | EA | 5512.56 |
| | MHT30041 | HT TRIVECTOR 11KV/110V 200/5A METER | EA | 5512.56 |
| | MHT10042 | HT TRIVECT.METER 11KV /110V &200/5A 0.5S | EA | 5512.56 |
| | MHT10025 | HTTRIVECTOR 11KV/110V200/1A MTR0.2C 30MI | EA | 5512.56 |
| | MHT10019 | HTTRIVECTOR 11KV/110V200/1A MTR0.5C 30MI | EA | 5512.56 |
| | MHT10043 | HT TRIVECT.METER 11KV /110V &200/1A 0.5S | EA | 5512.56 |
| | MHT10010 | HT TRIVECTOR 11KV/110V 100/5A METERS | EA | 5512.56 |
| | MHT30022 | 11KV/110V 4W -30Min Int 100/5A Meter | EA | 5512.56 |
| | MHT10036 | HT TRIVECTOR METER CT RATIO 100/1A 30MIP | EA | 5512.56 |
| | MHT10009 | HT TRIVECTOR 11KV/110V 75/5A METERS | EA | 5512.56 |
| | MHT10008 | HT TRIVECTOR 11KV/110V 60/5A METERS | EA | 5512.56 |
| | MHT10007 | HT TRIVECTOR 11KV/110V 50/5A METERS | EA | 5512.56 |
| | MHT10033 | 3P4W 11KV/110V HT Trvctr Mtr 40/5A15M 0.2C | EA | 5512.56 |
| | MHT10006 | HT TRIV MTR 11KV/110V 40/5A 15M IP CL0.2 | EA | 5512.56 |
| | MHT10005 | HT TRIVEC 11KV/110V 20/5A METER CL 0.5 | EA | 5166.48 |
| | MHT10026 | HT TRIVECTOR 11KV/110V 20/5A ,ABB MAKE | EA | 5166.48 |
| | MHT10028 | HT Trvctr Mtr 11KV/110V 20/5A 30MIP 0.5C | EA | 5104.68 |
| | MHT10030 | HT TRIVECTOR METER 11KV/110V 20/5A | EA | 5512.56 |
| | MHT10041 | HT TRIVECT.METER 11KV /110V & 20/5A 0.5S | EA | 5512.56 |
| | MHT10038 | HT ST El'nic Mtr 11/110V 10/5A 0.5C | EA | 5018.16 |
| | MHT10024 | HT TRIVECTOR METER WITH PP BOX 10/5A | EA | 12730.80 |
| | MHT10003 | HT TRIVEC 11KV/110V 10/5A METERS CL 0.5 | EA | 5092.32 |
| | MHT10040 | HT TRIVECT.METER 11KV /110V & 10/5A 0.5S | EA | 5512.56 |
| | MHT30056 | HTTVRMTR11KV/110V10/5A30MIP 0.5S(RAPDRP) | EA | 6142.92 |
| | MHT30023 | HT STATIC TRIVECTOR METER Wth TTB 10/5A | EA | 9245.28 |
| | MHT30026 | HT TRIVECTOR METER 3X11 KV/110V /10/5A | EA | 5296.26 |
| | MHT10023 | HT METER BOXES | EA | 4486.68 |
| | | <u>14.C) LT METERS</u> | | |
| | MTO10023 | LT TRIVECTOR METER | EA | 3942.84 |
| | MTE30001 | 3 PH 10-40A ELECTRONI METER WITH PP BOX | EA | 2268.06 |
| | MTE30014 | 3PH 10-40A ESE METER(STEP MOTOR)W/O PPBX | EA | 1742.76 |
| | MTE30011 | 3PH 10-40A CONT TY METER W/O PP BOX | EA | 1137.12 |
| | MTM30009 | 3 PH 5A ELE MECH METERS | EA | 791.04 |
| | MTM30012 | 3 PH 50A ELE MECH METERS | EA | 791.04 |
| | MTM10001 | 1 PH 2.5-10A ELE MECH METER | EA | 1198.92 |
| | MTM10003 | 1 PH 2.5-10A ELE MECHANICAL METER-SICK | EA | 1198.92 |
| | MTE10015 | 1PH 5-20A COUNTER TYPE METER WITH PP BOX | EA | 420.24 |
| | MTE10018 | 1PH 5-30A ELECTRO STATIC ENERGY METERS | EA | 1137.12 |
| | MTM10006 | 1 PH 5-20A ELE MECHANICAL METER | EA | 902.28 |
| | MTE10014 | 1 PH 5-20A ELE METER WITH PP BOX | EA | 550.02 |
| | | <u>14.D) CT OPERATED METERS</u> | | |
| | MCT30015 | 3PH 200/5A LTCT OPERATED ELE METER CL1.0 | EA | 9270.00 |
| | MCT30020 | 3PH 4W LT/CT OPTD TRI MTR CLAS 1.00 | EA | 9270.00 |
| | MCT30007 | 3PH 200/5A LT CT OPERTD TVR METER CL 0.5 | EA | 9270.00 |
| | MCT30004 | 3PH 125/5A LT CT OPERTD TVR METER CL 0.5 | EA | 8652.00 |
| | MCT30039 | 3PH4W200/5A LTCTOPTVR MTR CL0.5S(RAPDRP) | EA | 8305.92 |
| | MCT30014 | 3Ø 4W CT OPERATEDMETER WITH PPBOX 125/5A | EA | 8794.14 |
| | MCT30038 | 3P 4W CT OP ELTRI MT125/5A PPB 0.5S W CT | EA | 8713.80 |
| | MCT30016 | 3P 4W CT OP EL TRIV MTR 0.5 125/5A PP BX | EA | 7174.98 |
| | MCT30037 | 3P 4W CT OP EL TRIV MT 125/5A CL 0.5S | EA | 8453.00 |
| | MCT30011 | 3 PH LT CT OPERATED OBSOLETE METER | EA | 1829.28 |

| SL NO | SAP Material code | Description of materials | UNIT | Rupees |
|-------|-------------------|--|------|----------|
| | MCT30012 | 3 PH LT MD INDICATORS OBSOLETE | EA | 2193.90 |
| | MCT30017 | 3Ph LT/CT OPERATED METERS /5 A Tested | EA | 939.36 |
| | MCT30030 | ASSEMBLED CT METER BOX WITH LT CT 125/5A | EA | 5092.32 |
| | MCT30031 | ASSEMBLED CT METER BOX WITH LT CT 100/5A | EA | 5092.32 |
| | MCT30029 | ASSEMBLED CT METER BOX WITH LT CT 50/5A | EA | 6839.00 |
| | MCT30032 | LTCT METER BOX W 1 CT METER&3 200/5A CTS | EA | 6010.00 |
| | MCT30028 | LTCT METER BOX W 1 CT METER&3 125/5A CTS | EA | 4054.08 |
| | MCT30027 | LTCT METER BOX WILTCT METER&3 100/5A CTS | EA | 3182.70 |
| | MCT30026 | LTCT METER BOX WILTCT METER&3 50/5A CTS | EA | 1668.60 |
| | MCT30035 | RIGGED UP 1PH SMC METER BOX LT CTs 50/5A | EA | 1668.60 |
| | MCT30022 | CT OPERATD 11KV/110V 200/5A 4WIRE E.M | EA | 739.00 |
| | MCT30024 | 1PH 15/5A CT METER WITH BOX | EA | 2051.76 |
| | | <u>14.E) LT CURRENT TRANSFORMER</u> | | |
| | ITR00015 | LT CT'S 200/5A FOR LT TRIVECTOR METERS | EA | 457.32 |
| | ITR00013 | LT CT'S 200/5A | EA | 457.32 |
| | ITR00012 | LT CT'S 125/5A | EA | 494.40 |
| | ITR00011 | LT CT'S 100/5A | EA | 642.72 |
| | ITR00014 | LT CT'S 50/5A | EA | 648.90 |
| | | 15) BOXES | | |
| | BXS00041 | HT METER BOX | EA | 4991.40 |
| | BXS00011 | A TY(SPL) DIST. BOX WITH 200A,500V FUSE | EA | 7500.00 |
| | BXS00146 | LT DISTR. BOX 3X2X1 ATYPE SPL.DIST.BOXES | EA | 4202.40 |
| | BXS00010 | A TYPE BOX | EA | 3708.00 |
| | BXS00001 | 3 PHASE CT METER BOXES (EMPTY) | EA | 2348.40 |
| | BXS00172 | 3 PHASE SPECIAL TYPE METER BOXES | EA | 636.54 |
| | BXS00170 | SMC 3 PHASE METER BOXES | EA | 568.56 |
| | BXS00147 | LT METER BOX | EA | 519.12 |
| | BXS00171 | SMC METER BOX FOR HOUSING 1-PH METER &CT | EA | 457.32 |
| | BXS00174 | SMC DISTRIBUTION BOX | EA | 14241.00 |
| | BXS00179 | LT DISTRIBUTION BOX WITH MCCB-63KVA | EN | 33040.00 |
| | BXS00180 | LT DISTRIBUTION BOX WITH MCCB-100KVA | EN | 34220.00 |
| | BXS00181 | D/C LT DISTRIBUTION BOX WITH MCCB-160KVA | EN | 44840.00 |
| | BXS00183 | S-PH 16/25KVA LT DISTRIBUTION BOX MCCBS | EN | 12185.00 |
| | | 16) EARTHING MATERIALS | | |
| | EMT00006 | CI EARTH PIPE 80 MM DIA 2.5MTS LENGTH | EA | 3500.00 |
| | EMT00022 | GI EARTH PIPE 40 MM 2.5 MTS LONG | EA | 594.00 |
| | EMT00018 | GI EARTH FLAT 25 MM X 4 MM | KG | 30.90 |
| | | 17) OTHER MATERIALS | | |
| | OTH00057 | A.C. DISTRIBUTION PANELS | EA | 35009.70 |
| | OTH00126 | DC ANNUNCIATION PANEL | EA | 14832.00 |
| | CAH00060 | HAND HELD COMPUTER FOR SPOT BILLING | EA | 15697.20 |
| | OMT10030 | CMRI WITH ACCESSORIES | EA | 37945.20 |
| | FBE00027 | LT OPEN WIRING FUSE SET STRUCTURE | EA | 902.28 |

| SL NO | SAP Material code | Description of materials | UNIT | Rupees |
|--|-------------------|---|------|------------|
| Materials Procured by the Purchase wing | | | | |
| SL NO | SAP Material code | Description of materials | UNIT | Rupees |
| 1 | BXS00011 | A TY(SPL) DIST. BOX WITH 300A,500V FUSE | EA | 7500.00 |
| 2 | BXS00041 | HT METER BOX | EA | 4991.40 |
| 3 | BXS00174 | LT DISTRIBUTION BOX (SMC) | EA | 14241.00 |
| 4 | CBP00001 | LT PVC CU CONTR CABLE 2 CORE 2.5 SQ. MM | M | 56.16 |
| 5 | CBP00002 | LT PVC CU CONTR CABLE 4 CORE 2.5 SQ. MM | M | 102.19 |
| 6 | CBP00006 | LT PVC CU CONTR CABLE 10 CORE 2.5 SQ. MM | M | 253.23 |
| 7 | CBX00002 | LT XLPE CABLE 1 CORE 70 SQ. MM | M | 58.12 |
| 8 | CBX00003 | LT XLPE Cable 1 Core 95 Sq. mm | M | 100.06 |
| 9 | CBX00013 | LT XLPE CABLE 3 1/2 CORE 95 SQ. MM | M | 293.45 |
| 10 | CBX00014 | LT XLPE CABLE 3 1/2 CORE 120 SQ. MM | M | 363.38 |
| 11 | CBX00017 | LT PVC CABLE 1 CORE 185 SQ. MM | M | 142.14 |
| 12 | CBX00023 | LT XLPE CABLE SINGLE CORE 120 SQMM | M | 125.51 |
| 13 | CBX00024 | LT XLPE CABLE SINGLE CORE 150 SQMM | M | 153.34 |
| 14 | CBX00026 | LT AB Cable XPLE 2C X 16+25 Sq. mm | M | 81.89 |
| 15 | CBX00027 | LT AB Cable XPLE 3C X 16+25 Sq. mm | M | 104.90 |
| 16 | CBX10002 | 11KV XLPE CABLE 3 CORE 35 SQ. MM | M | 605.95 |
| 17 | CBX10005 | 11KV XLPE CABLE 3 CORE 95 SQ. MM | M | 1057.99 |
| 18 | CBX10006 | 11KV XLPE CABLE 3 CORE 120 SQ. MM | M | 852.84 |
| 19 | CBX10007 | 11KV XLPE CABLE 3 CORE 185 SQ. MM | M | 1112.40 |
| 20 | CBX10008 | 11KV XLPE CABLE 3 CORE 300 SQ. MM | M | 1553.18 |
| 21 | CBX30001 | 33KV XLPE CABLE 3 CORE 400 SQ. MM | M | 2472.34 |
| 22 | CBX30004 | 33KV XLPE CABLE 3 CORE 300 SQ. MM | M | 2081.43 |
| 23 | SCB00025 | 11KV CABLE JOINTING KIT 3X35SQMM OUTDOOR | EA | 979.40 |
| 24 | SSL00021 | POLY CARBONATED SEAL BIT (WHITE) | EA | 3.09 |
| 25 | SSL00023 | POLY CARBONATED SEAL BIT (BLUE) | EA | 3.09 |
| 26 | SSL00024 | POLY CARBONATED SEAL BIT (RED) | EA | 3.09 |
| 27 | BAT00025 | 24V 40AH BATTERY W/O CHARGER | EA | 7168.00 |
| 28 | BAT00029 | 24V 40AH BATTERY WITH TRICKLE CHARGER | EA | 17108.82 |
| 29 | BRK10002 | 11KV 24V DC FEEDER VCBs WITH CONTROL & RELAY PANELS AND CURRENT TRANSFORMERS OF RATIO 400-200-100/1-1A | EA | 338059.99 |
| 30 | BRK10004 | 11KV LV Control VCBs with CRPs and CTs of ratio 600-300/1-1A | EA | 357809.60 |
| 31 | BRK30002 | 33KV FEEDER VCB WITH CT'S & CONTROL PANEL | EA | 445560.00 |
| 32 | BRK30020 | 33KV 24V DC PTR HV VCBS with differential protection with Control & Relay Panel and CTs of ratio 400-200-100/1-1-1A | EA | 467205.66 |
| 33 | CAH00252 | AMR Modems | EA | 3304.00 |
| 34 | CPT10025 | 220.4 KVAR, 7.3KV Ins level 28/75 KV dielectric poly propylene film capacitor bank cell | EA | 29524.19 |
| 35 | CPT10027 | 440.7KVAR, 7.3KV Ins Level 28/75 Kv (P), Dielectric Polypropylene film (Film + Foil Design) Capacitor Bank Cells | EA | 43576.00 |
| 36 | CPT10045 | 150 KVAR Capacitor Bank Cells | EA | 12649.60 |
| 37 | CPT10047 | 110KVAR, 7.3KV Ins Level 28/75 Kv (P), Dielectric Polypropylene film (Film + Foil Design) Capacitor Bank Cells | EA | 10578.70 |
| 38 | CPT10048 | 11KV 2MVAR Capacitor Banks with Associated Equipments with auto switch mode | EA | 1575000.00 |
| 39 | EMT100011 | EARTH DISCHARGING ROD 10' | EA | 837.80 |
| 40 | ITR10020 | 11KV Potential Transformers | EA | 19470.00 |
| 41 | ITR10025 | 11KV metering sets of class 0.2S accuracy 10/5A (Outdoor) | EA | 87800.00 |
| 42 | ITR10026 | 11KV metering sets of class 0.2S accuracy 20/5A (Outdoor) | EA | 61578.26 |
| 43 | ITR10028 | 11KV metering sets of class 0.2S accuracy 40/5A (Outdoor) | EA | 83500.00 |
| 44 | ITR10029 | 11KV metering sets of class 0.2S accuracy 60/5A (Outdoor) | EA | 76780.00 |
| 45 | ITR10032 | 11KV Metering sets of ratio 75/5A of 0.2S accuracy (Outdoor Type) | EA | 76780.00 |
| 46 | ITR10035 | 11KV Metering sets of ratio 10/5A of 0.2S accuracy (Indoor Type) | EA | 42126.00 |
| 47 | ITR10036 | 11KV Metering sets of ratio 20/5A of 0.2S accuracy (Indoor Type) | EA | 95000.00 |
| 48 | ITR10055 | 11KV CT'S 400-200-100/1-1A | EA | 22597.00 |
| 49 | ITR10080 | 11KV CT 100/1 A | EA | 76780.00 |
| 50 | ITR10112 | 11KV Metering sets of ratio 40/5A of 0.2S accuracy (Indoor Type) | EA | 41000.00 |
| 51 | ITR100114 | 11KV CT 600-300/1-1-1 A CL 0.2S | EA | 26500.00 |

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|-------|-------------------|--|------|-----------|
| 52 | ITR30012 | 33KV 1PH PT 100VA BURDEN CLASS 0.2 | EA | 76780.00 |
| 53 | ITR30015 | 33KV/110V Single Phase Potential Transformers of class 0.2 accuracy (10VA Burden) | EA | 24800.00 |
| 54 | ITR30034 | 33KV CT'S 400-200-100/1-1-1A | EA | 37996.00 |
| 55 | ITR30035 | 33KV CTs 400-200-100/1-1A | EA | 24842.40 |
| 56 | ITR30111 | 33KV CTs 25/1A | EA | 20274.00 |
| 57 | MCT30051 | Three Phase LT CT Operated Electronic Trivector Meters class 0.5S 125/5A without CTs and PP Box | EA | 2650.00 |
| 58 | MCT30058 | 3P4WCT OP ELTRI MT 100/5A 0.5S WO CT,PPB | EA | 3032.60 |
| 59 | MCT30059 | 3P4WCT OP ELTRI MT 200/5A 0.5S WO CT,PPB | EA | 3032.00 |
| 60 | MCT30061 | Three phase LT CT Operated Electronic Trivector Meters of class 0.5S with 4Nos. 125/5A CTs of class 0.5S with PP Box | EA | 6891.20 |
| 61 | MCT30062 | Three Phase LT CT Operated Electronic Trivector Meters of class 0.5S 200/5A with CTs and PP Box | EA | 7300.00 |
| 62 | MHT30038 | 132KV/110V 100/1A, class 0.2S HT Trivector Meters | EA | 20208.60 |
| 63 | MHT30103 | 11KV/110V, 10/5A HT Trivector Meters | EA | 5958.10 |
| 64 | MHT30104 | 11KV/110V, 20/5A HT Trivector Meters | EA | 5958.10 |
| 65 | MHT30112 | HTTVRMTR11KV/110V 40/5A 0.2S CLASS CAT-C | EA | 5,200.00 |
| 66 | MHT30113 | HTTVRMTR11KV/110V 60/5A 0.2S CLASS CAT-C | EA | 5,200.00 |
| 67 | MHT30114 | HTTVRMTR11KV/110V 75/5A 0.2S CLASS CAT-C | EA | 5,200.00 |
| 68 | MHT30105 | HT TVR METER 33KV/110V, 50/1A ,0.2S CL | EA | 6660.00 |
| 69 | MHT30115 | HTTVRMTR33KV/110V150/1A 0.2S CLASS CAT-C | EA | 5,400.00 |
| 70 | MHT30004 | HT TRIVECTOR 33KV/110V 100/1A METERS | EA | 17205.12 |
| 71 | MHT30018 | HTTRIVECTOR 33KV/110V 200/1A METER,0.2CL | EA | 15363.48 |
| 72 | MHT30107 | HTTVR 11KV/110V,-/1A CL 0.2S Meter(DLMS) | EA | 5400.00 |
| 73 | MHT30108 | HTTVR 11KV/110V,-/5A CL 0.2S Meter(DLMS) | EA | 5200.00 |
| 74 | MTO11041 | HT TVR Meters of 11KV/110V,10/5A, 0.2 class accuracy MD Integration 30 MIN. IP (Category -C for services) with DLMS (BI Directional Solar Net Meter) | EA | 8,190.00 |
| 75 | MTO11046 | HT TVR Meters of 11KV/110V,20/5A, 0.2 class accuracy MD Integration 30 MIN. IP (Category -C for services) with DLMS (BI Directional Solar Net Meter) | EA | 9850.00 |
| 76 | MTE10018 | Single Phase (5-30A) Electronic LCD type Energy Meters with IrDA Physical Layer and Super Capacitor housed in P.P. Box | EA | 790.00 |
| 77 | MTE31004 | Three Phase Electronic Energy Meters (5-30A) LCD type IrDA Port class of accuracy 1.0 with Pilfer Proof Box | EA | 2,150.00 |
| 78 | MTO11042 | Three Phase Electronic Energy Meters (5-30A) LCD type IrDA Port class of accuracy 1.0 with Pilfer Proof Box Solar Net Meter | EA | 2520.00 |
| 79 | MTO11045 | Single Phase Electronic Energy Meters (5-30A) LCD type IrDA Port class of accuracy 1.0 with Pilfer Proof Box Solar Net Meter | EA | 1230.00 |
| 80 | SBR00209 | 4 POLE IDMTL O/C RELAY (INST.TRIP) 1/5A | EA | 7699.50 |
| 81 | SBR30114 | 33KV POLE ASSEMBLY WTH VACUUM INTERUPTER | EA | 75,420.00 |
| 82 | SBR30002 | 33KV VACCUM INTRUPTER | EA | 47,690.00 |
| 83 | SBR00383 | Retrofit Trickle Charger | EA | 2360.00 |
| 84 | SBR10084 | 11KV POLE ASSEMBLY WTH VACUUM INTERUPTER | EA | 57698.26 |
| 85 | SBR10004 | 11KV VACUUM INTERUPTER | EA | 37929.73 |
| 86 | SBR10113 | RETROFIT MECHANISM FOR 11KV VCB | EA | 63838.00 |

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|-------|-------------------|---|------|-------------|
| 87 | DTC10107 | IPH 16 KVA COPPER WOUND CSP DTR | EA | 120900.00 |
| 88 | DTC10108 | IPH 50 KVA COPPER WOUND DTR(EEL-3) | EA | 148079.72 |
| 89 | DTC10109 | IPH 75 KVA COPPER WOUND CSP DTR(EEL-3) | EA | 205594.39 |
| 90 | DTC30008 | 3PH 250KVA DTR CRGO CSP | EA | 612961.47 |
| 91 | DTC30130 | 3PH 40 KVA DTR CU WOUND CONVENTIONAL | EA | 168171.89 |
| 92 | DTC30134 | 3-PH 500KVA DTR CRGO Conventional | EA | 1077332.67 |
| 93 | DTC30142 | 3PH 315 KVA DTR (EEL-3) | EA | 1675000.01 |
| 94 | DTC30144 | 3PH 1000KVA Conv CU Wound DTR (EEL-2) | EA | 1702422.17 |
| 95 | DTC30145 | 3Ph 100 KVA AL CSP ** EEL - III (BIS)DTR | EA | 321799.14 |
| 96 | DTC30122 | 3PH 100KVA AMORPHOUS AL CONV *****RATE | EA | 321799.14 |
| 97 | DTC30146 | 3Ph 25 KVA CRGO/Amor AL ** EEL III DTR | EA | 139999.00 |
| 98 | DTC30148 | 3Ph 160 KVA CRGO/Amor AL ** EEL III DTR | EA | 569699.99 |
| 99 | DTC30149 | 3Ph 25 KVA CRGO/Amor AL***** EEL III DTR | EA | 139999.00 |
| 100 | HGF00006 | LT 1-PH HG FUSE SET | EA | 732.95 |
| 101 | HGF00008 | LT 3PH HG FUSE SET WITH SCI | EA | 1854.24 |
| 102 | HGF00011 | 6.3KV 1-Ph HG Fuse Sets | EA | 920.00 |
| 103 | HGF10002 | 11KV 3 Ph HG FUSE SETS | EA | 3708.00 |
| 104 | HGF10007 | 11KV3Ph HG FuseSets with PolymerType Ins | EA | 4871.00 |
| 105 | OFO10009 | TRANSFORMER OIL WITH DRUMS | L | 95.17 |
| 106 | PTR00006 | 33/11 KV 5MVA PTR | EA | 4949760.61 |
| 107 | PTR00008 | 33/11 KV 8MVA PTR | EA | 6477091.87 |
| 108 | PTR00009 | 33/11 KV 10MVA PTR | EA | 11968091.00 |
| 109 | PTR00018 | 33/11 KV 12.5MVA PTR | EA | 10400387.17 |
| 110 | SFU10041 | T.C.FUSE WIRE 14SWG | KG | 1014.50 |
| 111 | SFU10042 | T.C.FUSE WIRE 16SWG | KG | 1014.50 |
| 112 | SFU10043 | T.C.FUSE WIRE 18SWG | KG | 1014.50 |
| 113 | SFU10044 | T.C.FUSE WIRE 20SWG | KG | 1014.50 |
| 114 | SFU10047 | T.C.FUSE WIRE 33SWG | KG | 1072.62 |
| 115 | STR00013 | DPC ALUMINIUM WINDING WIRE 1.25MM | KG | 265.01 |
| 116 | STR00015 | DPC ALUMINIUM WINDING WIRE 16 SWG (1.6MM) | KG | 263.90 |
| 117 | STR00628 | S.E. Aluminium Winding wire 19 SWG | KG | 336.30 |
| 118 | STR00632 | DPC Al.winding wire 1.32mm | KG | 207.68 |
| 119 | STR00633 | DPC Al.winding wire 1.72mm | KG | 207.68 |
| 120 | STR00027 | HT Brass bushing rods 12" | EA | 118.00 |
| 121 | STR00038 | LV BRASS BUSHING RODS CON. TYPE | EA | 143.62 |
| 122 | STR00039 | LV BRASS BUSHING RODS CSP TYPE | EA | 118.00 |
| 123 | STR00063 | S.E.COPPER 22SWG(0.711MM) | KG | 1023.06 |
| 124 | STR00450 | S.E.COPPER 25 SWG | KG | 1023.06 |
| 125 | STR00638 | 23SWG SE Copper Winding Wire | KG | 1023.06 |
| 126 | FBE00029 | LT 1PH 3W Angle X-arm W CLAMP (200KG PL) | EA | 484.53 |
| 127 | FBE00007 | LT 3 Ph 4Wire Cross Arm & clamp (200kg) | EA | 654.00 |
| 128 | FBE00008 | LT 3 Ph. 5 Wire Cross Arms | EA | 794.00 |
| 129 | FBE10004 | 11KV M.S Channel Cross Arm(Tapping)75X40 suitable for 8Mtrs PSCC Poles | EA | 1098.00 |
| 130 | FBE10069 | 11KV tapping Channel cross arm with back clamp made out of M.S.Channel 75x40mm (ISMC) and M.S.Flat 50x6mm suitable for 9.1Mtrs PSCC Poles | EA | 1500.00 |
| 131 | FBE10003 | 11KV VCross Arms with Clamps 200kg | EA | 1078.00 |
| 132 | FBE10016 | 11KV V 'X' ARM(75X40) WITH CLAMP FOR 9.1 | EA | 1108.00 |
| 133 | FBE10007 | 11KV Top Cleat with Clampsfor 8.0 Mt PscC (200KG)pole | EA | 431.00 |
| 134 | FBE10021 | 11KV TOP CLEAT WITH CLAMPS FOR 9.1 | EA | 460.00 |
| 135 | FBE00024 | LT SIDE ARM WITH STUT FOR 9.1MTS POLES | EA | 2300.00 |
| 136 | FBE00025 | 11KV SIDE ARM WITH STUT FOR 9.1MTS POLES | EA | 2000.00 |
| 137 | FBE10010 | 11KV MS Stay Sets without BasePlate | EA | 763.00 |
| 138 | EMT00010 | CI EARTH PIPE 50 MM DIA 2.0 MTS LENGTH | EA | 2920.00 |
| 139 | EMT00022 | GI EARTH PIPE 40 MM 2.5 MTS LONG | EA | 643.00 |
| 140 | WRS00005 | G.I. WIRE 4MM (NO.8) | MT | 105000.00 |
| 141 | WRS00006 | GI STAYWIRE 7/3.15MM (10 SWG) | MT | 105000.00 |
| 142 | WRS00007 | GI STAYWIRE 7/2.5MM (12 SWG) | MT | 105000.00 |
| 143 | FBE30003 | 33KV VCross Arms with Clamps | EA | 2196000.00 |
| 144 | FBE30006 | 33kV Top Fitting with clamps | EA | 931000.00 |
| 145 | MST00002 | MS ANGLE 50X50X6 | MT | 79300.00 |
| 146 | MST00003 | MS ANGLE 65X65X6 | MT | 79300.00 |
| 147 | MST00012 | MS CHANNEL 100X50 | MT | 85400.00 |

| SL NO | SAP Material code | Description of materials | UNIT | Rupees |
|-------|-------------------|---|------|-----------|
| 148 | MST00013 | MS CHANNEL 75X40 | MT | 85400.00 |
| 149 | MST00014 | MS FLAT 50X6 | MT | 81540.00 |
| 150 | MST00015 | MS FLAT 75X8 | MT | 81120.00 |
| 151 | BNT00024 | MS BOLTS & NUTS 5/8" X 2.5" | MT | 81770.00 |
| 152 | BNT00025 | MS BOLTS & NUTS 5/8" X 3" | MT | 106200.00 |
| 153 | BNT00026 | MS BOLTS & NUTS 5/8" X 4" | MT | 105670.00 |
| 154 | BNT00028 | MS BOLTS & NUTS 5/8" X 6" | MT | 126810.00 |
| 155 | BNT00030 | MS BOLTS & NUTS 5/8" X 8" | MT | 126810.00 |
| 156 | FBE10059 | 11 KV FRP "V" Cross Arms with Top Hamper | EA | 2295.10 |
| 157 | FBE10060 | 11KV FRP "V""X"Arms with TopHamper(9.1M) | EA | 2360.00 |
| 158 | ABS10002 | 11KV 200A TT AB SWITCH WITH INSULATORS | Nos. | 9986.88 |
| 159 | ABS10004 | 11KV 200A CONV AB SWITCH WITH P.T.I | Nos. | 9013.00 |
| 160 | ABS10008 | 11KV 400A CONV AB SWITCH WITH P.T.I | Nos. | 14520.00 |
| 161 | ABS10015 | 11KV 800A CONV. AB SWITCH WITH P.T.I | Nos. | 23999.01 |
| 162 | ABS30010 | 33KV 800A CONV. AB SWITCH WITH S.C.I | Nos. | 47760.00 |
| 163 | CDR00002 | AAA CONDUCTOR 34 SQ. MM | KM | 36000.00 |
| 164 | CDR00003 | AAA CONDUCTOR 55 SQ. MM | KM | 67000.00 |
| 165 | CDR00004 | AAA CONDUCTOR 100 SQ. MM | KM | 102250.00 |
| 166 | CDR00010 | ACSR CONDUCTOR PANTHER 200 Sq.mm | KM | 250000.00 |
| 167 | CDR00022 | 157Sqmm AL-59 Conductor | KM | 158270.00 |
| 168 | HWR00002 | 11KV METAL PARTS(C&T) | Nos. | 150.00 |
| 169 | HWR00004 | 33KV METAL PARTS(B&S) | Nos. | 350.00 |
| 170 | HWR00015 | LT GI PINS | Nos. | 37.00 |
| 171 | HWR00016 | LT METAL PARTS | Nos. | 48.00 |
| 172 | INS00001 | LT PIN INSULATORS | Nos. | 31.00 |
| 173 | INS00002 | LT SHACKLES | Nos. | 30.00 |
| 174 | INS00003 | LT GUY INSULATORS | Nos. | 31.00 |
| 175 | INS10003 | 11KV POLYMER INSULATORS (C&T) | Nos. | 296.40 |
| 176 | INS10005 | 11KV GUY INSULATORS (HT) | Nos. | 80.00 |
| 177 | INS10008 | 11KV POST TYPE INSULATORS | Nos. | 322.51 |
| 178 | INS10012 | 11KV Polymer Pin Insulators with GI pins | EA | 380.07 |
| 179 | INS30004 | 33KV 70KN COMPOSITE POLYMER INSULATOR | Nos. | 650.00 |
| 180 | INS30007 | 33KV POLYMER PIN INSULATOR WITH GI PIN | Nos. | 882.07 |
| 181 | INS30010 | 33KV Post type Insulators | Nos. | 916.00 |
| 182 | LAS00010 | 9KV,5KA Polymeric LAS(Line Type) | Nos. | 749.30 |
| 183 | LAS00011 | 9KV,10KA Polymeric LAS (Station Type) | Nos. | 2000.00 |
| 184 | LAS00012 | 30KV,10KA Polymeric LAS(Line Type) | Nos. | 3000.00 |
| 185 | LAS00013 | 30KV,10KA Polymeric LAS(Station Type) | Nos. | 5000.00 |
| 186 | SAB00002 | ALLUMINUM BUSH FOR TT AB SWITCH | Nos. | 50.00 |
| 187 | SAB10002 | 11KV 200A CONV. AB SWITCH FIXED CONTACTS | Nos. | 364.12 |
| 188 | SAB10003 | 11KV 200A CONV. AB SWITCH MOVING CONTACT | Nos. | 481.99 |
| 189 | SAB10005 | 11KV 200A TT AB SWITCH FIXED CONTACTS | Nos. | 230.26 |
| 190 | SAB10006 | 11KV 200A TT AB SWITCH MOVING CONTACTS | Nos. | 250.04 |
| 191 | SAB10008 | 11KV 400A CONV. AB SWITCH FIXED CONTACTS | Nos. | 432.84 |
| 192 | SAB10009 | 11KV 400A CONV. AB SWITCH MOVING CONTACT | Nos. | 673.69 |
| 193 | SAB10013 | 11KV BRASS FLEXIBLE JUMPER FOR TT A.B.S | Nos. | 175.82 |
| 194 | SAB10022 | 11KV 200A Conv.ABS Coper Flexible Jumper | Nos. | 118.80 |
| 195 | SAB30012 | 11KV 400A Conv.AB switch Flexible Jumper | Nos. | 186.85 |
| 196 | SSM00003 | Pad Clamps for Dog Conductor | Nos. | 227.74 |
| 197 | SSM00004 | Pad Clamps for Panther Conductor | Nos. | 223.02 |
| 198 | SSM00006 | "T" Clamps for Panther to Panther Conductor | Nos. | 224.20 |
| 199 | SSM00007 | "T" Clamps for Panther to Dog Conductor | Nos. | 224.20 |

Abstract of schedule of rates for 2023-24 : 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 | 12.5Mtr. Spun | 18 | 60 | 100Sqmm AAA | 1299562 | 16 |
| 2 | 33KV line (Double Circuit) | 12.5Mtr. Spun | 18 | 60 | 100Sqmm AAA | 1844157 | 17 |
| 3 | 33KV line | 11.0Mtr. Spun | 18 | 60 | 100Sqmm AAA | 1203663 | 18 |
| 4 | 33KV line | 11.0Mtr. PSCC | 18 | 60 | 100Sqmm AAA | 775886 | 19 |
| 5 | 33 KV Line | 9.1 Mtr. PSCC | 19 | 60 | 100 Sqmm AAA | 667558 | 20 |
| 6 | 33 KV Line | 9.1 Mtr. PSCC | 27 | 40 | 100 Sqmm AAA | 705683 | 21 |
| 7 | 11 KV Line | 11.0Mtr. PSCC | 22 | 60 | 100 Sqmm AAA | 824048 | 22 |
| 8 | 11 KV Line | 11.0Mtr. PSCC | 22 | 60 | 55 Sqmm AAA | 757265 | 23 |
| 9 | 11 KV Line | 9.1 Mtr. PSCC | 27 | 40 | 100 Sqmm AAA | 881224 | 24 |
| 10 | 11 KV Line | 9.1 Mtr. PSCC | 22 | 60 | 55 Sqmm AAA | 638596 | 25 |
| 11 | 11 KV Line | 9.1 Mtr. PSCC | 22 | 50 | 55 Sqmm AAA | 571812 | 26 |
| 12 | 11 KV Line | 8.0 Mtr PSCC(200Kgs) | 22 | 50 | 55 Sqmm AAA | 533532 | 27 |
| 13 | 6.3 KV Line | 9.1 Mtr. PSCC | 21 | 50 | 55 Sqmm AAA | 345663 | 28 |
| 14 | 6.3 KV Line | 8.0 Mtr PSCC(200Kgs) | 18 | 60 | 55 Sqmm AAA | 302669 | 29 |
| 15 | L.T. 3Ph 5 Wire Line(Horizontal) | 9.1 Mtr PSCC (200Kgs) | 20 | 50 | 5x55 Sqmm AAA | 669727 | 30 |
| 16 | L.T. 3Ph 5 Wire Line(Horizontal) | 8.0 Mtr PSCC(200Kgs) | 20 | 50 | 5x55 Sqmm AAA | 611731 | 31 |
| 17 | L.T. 3Ph 4 Wire Line(Horizontal) | 9.1 Mtr PSCC(280Kgs) | 20 | 50 | 4x55 Sqmm AAA | 594153 | 32 |
| 18 | L.T. 3Ph 4 Wire Line(Horizontal) | 8.0 Mtr PSCC(200Kgs) | 21 | 50 | 4x55 Sqmm AAA | 531803 | 33 |
| 19 | L.T. 1Ph 3 Wire Line(Horizontal) | 8.0 Mtr PSCC(200Kgs) | 20 | 50 | 3x55 Sqmm AAA | 457719 | 34 |
| 20 | L.T. 1Ph 2 Wire Line(Horizontal) | 8.0 Mtr PSCC(200Kgs) | 20 | 50 | 2x55 Sqmm AAA | 370753 | 35 |
| 21 | L.T. AB Cable | 8.0 Mtr PSCC(200Kgs) | 20 | 50 | 3x16+25 Sqmm | 312923 | 36 |
| 22 | L.T. AB Cable | 8.0 Mtr PSCC(200Kgs) | 20 | 50 | 2x16+25 Sqmm | 290404 | 37 |
| 23 | Erection of 1000KVA Distribution transformer | | | | | 2199449 | 38 |
| 24 | Erection of 500KVA Distribution transformer | | | | | 1431885 | 39 |
| 25 | Erection of 315KVA Distribution transformer | | | | | 1118655 | 40 |
| 26 | Erection of 250KVA Distribution transformer | | | | | 861021 | 41 |
| 27 | Erection of 160KVA Distribution transformer | | | | | 474135 | 42 |
| 28 | Erection of 100KVA Distribution transformer | | | | | 407022 | 43 |
| 29 | Erection of 63KVA Distribution transformer | | | | | 332613 | 44 |
| 30 | Erection of 40KVA Distribution transformer | | | | | 286585 | 45 |
| 31 | Erection of 25KVA Distribution transformer | | | | | 185720 | 46 |
| 32 | Erection of 16KVA Distribution transformer | | | | | 164017 | 47 |
| 33 | Erection of 100KVA Distribution transformer | | | | | 362642 | 48 |
| 34 | Erection of 16 KVA Single Phase 6.3 KV/0-240V CSP OIL IMMERSSED transformer | | | | | 116630 | 49 |
| 35 | Erection of 16 KVA CU Single Phase 6.3 KV/0-240V CSP OIL IMMERSSED transformer | | | | | 140309 | 50 |
| 36 | Erection of 25 KVA Single Phase 6.3 KV/0-240V CSP OIL IMMERSSED transformer | | | | | 134595 | 51 |
| 37 | Erection of 50 KVA Single Phase 6.3 KV/0-240V CSP OIL IMMERSSED transformer | | | | | 230692 | 52 |
| 38 | Erection of 75 KVA Single Phase 6.3 KV/0-240V CSP OIL IMMERSSED transformer | | | | | 298874 | 53 |
| 39 | Fixing of 1 Ph meter | | | | | 3823 | 54 |
| 40 | Fixing of 1 Ph meter | | | | | 4351 | 55 |
| 41 | Fixing of 3 Ph meter | | | | | 7612 | 56 |
| 42 | Fixing of class 0.5 3 Ph CT operated meter | | | | | 14081 | 57 |
| 43 | Erection of 33/11 K.V. Substation with 1x5MVA power transformer & 3 Nos. 11kv feeders (with 11 kv 2 MVAR Capacitor Bank) | | | | | 15277200 | 58 |
| 44 | Erection of 33/11 K.V. Substation with 1x5MVA power transformer & 2 Nos. 11kv feeders (without 11 kv 2 MVAR Capacitor Bank) | | | | | 12368100 | 59 |
| 45 | Erection of 33/11 K.V. Substation with 1x5MVA power transformer & 3 Nos. 11kv feeders (without 11 kv 2 MVAR Capacitor Bank) | | | | | 12873700 | 60 |
| 46 | Erection of 33/11 K.V. Substation with 1x5MVA power transformer & 4 Nos. 11kv feeders (without 11 kv 2 MVAR Capacitor Bank) | | | | | 13706400 | 61 |
| 47 | Erection of 11KV Bay extension along with VCB in existing 33/11KV Sub-Station with RS Joists | | | | | 557291 | 62 |
| 48 | Erection of 33KV Bay extension in existing 33/11KV Sub-Station | | | | | 191782 | 63 |
| 49 | Erection of 5.0MVA Addl. PTR with 33KV Bay extension | | | | | 7850552 | 64 |
| 50 | Erection of 8.0MVA Addl. PTR with 33KV Bay extension | | | | | 9511551 | 65 |
| 51 | Erection of 10.0MVA Addl. PTR with 33KV Bay extension | | | | | 12069646 | 66 |
| 52 | Erection of 12.5 MVA Addl. PTR with 33KV Bay extension | | | | | 13766959 | 67 |

Cost data per KM of 33 KV line (Single Circuit) with 100 Sq.mm AAA Conductor over 12.5 Mt Spun Pole at 60 Mt Span 100 Kg /Sq .Mt wind pressur, working load 350 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|---|------|-------------|----------|----------------|
| 1 | 12.5M Spun Pole | 18 | 18400 | Each | 331200 |
| 2 | 9.1M PSCC Poles for Struts | 8 | 4910 | Each | 39280 |
| 3 | 33KV 1.53M V-Cross Arm (Channel) with clamps | 16 | 1231 | Each | 19696 |
| 4 | 33KV Top Clamp with cleat | 16 | 931 | Each | 14896 |
| 5 | 33KV Tapping Channel Cross Arms | 3 | 3001 | Each | 9003 |
| 6 | Bracing Set with double cross arm along with Fish | 1 | 8543.26 | Each | 8543.26 |
| 7 | MS Back Clamps for Spun poles | 19 | 250 | Each | 4750 |
| 8 | MS Stay clamp for Spun poles | 8 | 422 | Each | 3376 |
| 9 | 100 Sq.mm AAA Conductor | 3.06 | 102250 | Each | 312885 |
| 10 | 33 KV Pin - Insulator (Polymer) with GI Pin | 48 | 882.07 | Each | 42339.36 |
| 11 | 33 KV Strain Insulator set with metal parts | 12 | 1000 | Each | 12000 |
| 12 | 33 KV String Insulator Fittings, Concreting of 3 Pole 8 struts , Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 40000 |
| | TOTAL | | | | 837969 |
| | 15% stores overhead charges on items (1) to (11) | | 797969 | | 119695 |
| | 5 % Contingencies | | | | 41898 |
| | Services | LS | | | 250000 |
| | Works overhead @ 15% on Services | | | | 37500 |
| | Contingencies @ 5% on Service cost | | | | 12500 |
| | TOTAL ESTIMATE COST | | | | 1299562 |

Cost data per KM of 33 KV line (Double Circuit) with 100 Sq.mm AAA Conductor over 12.5 Mt Spun Pole at 60 Mt Span 100 Kg /Sq .Mt wind pressur, working load 350 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|---|-------------|--------------------|-----------------|----------------------|
| 1 | 12.5M Spun Pole | 18 | 18400 | Each | 331200 |
| 2 | 9.1M PSCC Poles for Struts | 8 | 4910 | Each | 39280 |
| 3 | 33KV 1.53M V-Cross Arm (Channel) with clamps | 45 | 1231 | Each | 55395 |
| 4 | 33KV Tapping Channel Cross Arms | 12 | 3001 | Each | 36012 |
| 5 | Bracing Set with double cross arm along with Fish | 3 | 8543.26 | Each | 25629.78 |
| 6 | MS Back Clamps for Spun poles | 12 | 250 | Each | 3000 |
| 7 | MS Stay clamp for Strut poles | 8 | 432 | Each | 3456 |
| 8 | MS Stay clamp for Spun poles | 8 | 422 | | 3376 |
| 9 | 100 Sq.mm AAA Conductor | 6.12 | 102250 | Each | 625770 |
| 10 | 33 KV Pin - Insulator (Polymer) with GI Pin | 96 | 882.07 | Each | 84678.72 |
| 11 | 33 KV Strain Insulator set with metal parts | 24 | 1000 | Each | 24000 |
| 12 | 33 KV String Insulator Fittings, Concreting of 3 Pole 8 struts , Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 40000 |
| | TOTAL | | | | 1271798 |
| | 15% stores overhead charges on items (1) to (11) | | 1231798 | | 184770 |
| | 5 % Contingencies | | | | 63590 |
| | Services | LS | | | 270000 |
| | Works overhead @ 15% on Services | | | | 40500 |
| | Contingencies @ 5% on Service cost | | | | 13500 |
| | TOTAL ESTIMATE COST | | | | 1844157 |

Cost data per KM of 33 KV line (Single Circuit) with 100 Sq.mm AAA Conductor over 11.0 Mt Spun Pole at 60 Mt Span 100 Kg /Sq .Mt wind pressur, working load 350 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|---|-------------|--------------------|-----------------|----------------------|
| 1 | 11M Spun Pole | 18 | 16900 | Each | 304200 |
| 2 | 9.1M PSCC Poles for Struts | 4 | 4910 | Each | 19640 |
| 3 | 33KV 1.53M V-Cross Arm (Channel) with clamps | 16 | 2000 | Each | 32000 |
| 4 | 33KV Top Clamp with cleat | 16 | 931 | Each | 14896 |
| 5 | 33KV Tapping Channel Cross Arms | 2 | 1231 | Each | 2462 |
| 6 | Bracing Set with double cross arm along with Fish | 1 | 8507.56 | Each | 8507.56 |
| 7 | MS Back Clamps for Spun poles | 3 | 250 | Each | 750 |
| 8 | MS Stay sets Complete with base plate | 2 | 1200 | Each | 2400 |
| 9 | MS Stay clamp for Strut poles | 8 | 432 | Each | 3456 |
| 10 | MS Stay clamp for Spun poles | 8 | 422 | Each | 3376 |
| 11 | 100 Sq.mm AAA Conductor | 3.06 | 102250 | Each | 312885 |
| 12 | 33 KV Pin - Insulator (Polymer) with GI Pin | 48 | 713.22 | Each | 34234.56 |
| 13 | 33 KV Strain Insulator set with metal parts | 12 | 1000 | Each | 12000 |
| 14 | 33 KV String Insulator Fittings Concreting of 3 Poles, 4 strut, & 4 stay sets of Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 30000 |
| | TOTAL | | | | 780807 |
| | 15% stores overhead charges on items (1) to (13) | | 750807 | | 112621 |
| | 5 % Contingencies | | | | 39040 |
| | Services | LS | | | 225995 |
| | Works overhead @ 15% on Services | | | | 33899 |
| | Contingencies @ 5% on Service cost | | | | 11300 |
| | TOTAL ESTIMATE COST | | | | 1203663 |

**Cost data per KM of 33 KV line (Single Circuit) with 100 Sq.mm AAA Conductor over 11.0 Mt Psc Pole
at 60 Mt Span 100 Kg /Sq .Mt wind pressur, working load 350 Kgs.**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|---|-------------|------------------------|---------------------|--------------------------|
| 1 | 11 M PSCC Pole | 18 | 8500 | Each | 153000 |
| 2 | 9.1M PSCC Poles for Struts | 8 | 4910 | Each | 39280 |
| 3 | 33KV 1.53M V-Cross Arm (Channel) with clamps | 16 | 2196 | Each | 35136 |
| 4 | 33KV Top Clamp with cleat | 16 | 931 | Each | 14896 |
| 5 | 33KV Tapping Channel Cross Arms | 2 | 3001 | Each | 6002 |
| 6 | Bracing Set with double cross arm along with Fish | 1 | 8543.26 | Each | 8543.26 |
| 7 | MS Stay clamp for Strut poles | 8 | 432 | Each | 3456 |
| 8 | 100 Sq.mm AAA Conductor | 3.06 | 102250 | Each | 312885 |
| 9 | 33 KV Pin - Insulator (Polymer) with GI Pin | 48 | 882.07 | Each | 42339.36 |
| 10 | 33 KV Strain Insulator set with metal parts | 12 | 1000 | Each | 12000 |
| 11 | 33 KV String Insulator Fittings, Concreting of 3 Pole 8 struts , Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 40000 |
| | TOTAL | | | | 667538 |
| | 15% stores overhead charges on items (1) to (10) | | 627538 | | 94131 |
| | 5 % Contingencies | | | | 33377 |
| | Services | LS | | | 215000 |
| | Works overhead @ 15% on Services | | | | 32250 |
| | Contingencies @ 5% on Service cost | | | | 10750 |
| | TOTAL ESTIMATE COST | | | | 1053045 |

**Cost data per KM of 33 KV line (Single Circuit) with 100 Sq.mm AAA Conductor over 9.1 Mt PscC Pole
at 50 Mt Span 75 Kg /Sq .Mt wind pressur, working load 350 Kgs.**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|------------------------|---------------------|--------------------------|
| 1 | 9.1 M PSCC Pole | 21 | 4910 | Each | 103110 |
| 2 | 8.0M PSCC Poles for Struts | 8 | 3450 | Each | 27600 |
| 3 | 33KV 1.53M V-Cross Arm (Channel) with clamps | 20 | 2196 | Each | 43920 |
| 4 | 33KV Top Clamp with cleat | 20 | 931 | Each | 18620 |
| 5 | 33KV Tapping Channel Cross Arms | 2 | 3001 | Each | 6002 |
| 6 | Bracing Set with double cross arm along with Fish | 1 | 8543.26 | Each | 8543.26 |
| 9 | MS Stay clamp for Strut poles | 8 | 432 | Each | 3456 |
| 10 | 100 Sq.mm AAA Conductor | 3.06 | 102250 | Each | 312885 |
| 11 | 33 KV Pin - Insulator (Polymer) with GI Pin | 48 | 822.07 | Each | 39459.36 |
| 12 | 33 KV Strain Insulator set with metal parts | 12 | 1000 | Each | 12000 |
| 13 | 33 KV String Insulator Fittings Concreting of 3 Poles, 8 strut of Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 40000 |
| | TOTAL | | | | 615596 |
| | 15% stores overhead charges on items (1) to (12) | | 575596 | | 86339 |
| | 5 % Contingencies | | | | 30780 |
| | Services | LS | | | 120000 |
| | Works overhead @ 15% on Services | | | | 18000 |
| | Contingencies @ 5% on Service cost | | | | 6000 |
| | TOTAL ESTIMATE COST | | | | 876715 |

**Cost data per KM of 33 KV line (Single Circuit) with 100 Sq.mm AAA Conductor over 9.1 Mt PscC Pole
at 40 Mt Span 75 Kg /Sq .Mt wind pressur, working load 350 Kgs. In Urban Area**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|---|-------------|------------------------|---------------------|--------------------------|
| 1 | 9.1 M PSCC Pole | 26 | 4910 | Each | 127660 |
| 2 | 8.0M PSCC Poles for Struts | 8 | 3450 | Each | 27600 |
| 3 | 33KV 1.53M V-Cross Arm (Channel) with clamps | 24 | 2196 | Each | 52704 |
| 4 | 33KV Top Clamp with cleat | 24 | 931 | Each | 22344 |
| 5 | 33KV Tapping Channel Cross Arms | 2 | 1231 | Each | 2462 |
| 6 | Bracing Set with double cross arm along with Fish | 1 | 8507.56 | Each | 8507.56 |
| 7 | MS Stay clamp for Strut poles | 8 | 432 | Each | 3456 |
| 8 | 100 Sq.mm AAA Conductor | 3.06 | 102250 | Each | 312885 |
| 9 | 33 KV Pin - Insulator (Polymer) with GI Pin | 48 | 822.07 | Each | 39459.36 |
| 10 | 33 KVStrain Insulator set with metal parts | 12 | 1000 | Each | 12000 |
| 11 | 33 KV String Insulator Fittings Concreting of 3 Poles, 4 strut & 4 stays Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 40000 |
| | TOTAL | | | | 649078 |
| | 15% stores overhead charges on items (1) to (10) | | 609078 | | 91362 |
| | 5 % Contingencies | | | | 32454 |
| | Services | LS | | | 135000 |
| | Works overhead @ 15% on Services | | | | 20250 |
| | Contingencies @ 5% on Service cost | | | | 6750 |
| | TOTAL ESTIMATE COST | | | | 934894 |

**Cost data per KM of 11 KV line (Single Circuit) with 100 Sq.mm AAA Conductor over 11.0 Mt Psc Pole
at 60 Mt Span 75 Kg /Sq .Mt wind pressur, working load 350 Kgs.**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|------------------------|---------------------|--------------------------|
| 1 | 11 M PSCC Pole | 17 | 8500 | Each | 144500 |
| 2 | 9.1M PSCC Poles for Struts | 8 | 4910 | Each | 39280 |
| 3 | 11KV V-Cross Arm /Channel without clamps | 16 | 1098 | Each | 17568 |
| 4 | 11KV Top Clamp with cleat | 16 | 431 | Each | 6896 |
| 5 | 11KV Tapping Channel Cross Arms Bracing Set with double cross arm along with Fish | 1 | 5897 | Each | 5897 |
| 6 | MS Back Clamps for 11M PSCC poles | 17 | 178.45 | Each | 3034 |
| 7 | MS Stay clamp for Strut poles | 8 | 250 | set | 2000 |
| 8 | 100 Sq.mm AAA Conductor | 3.06 | 102250 | Each | 312885 |
| 9 | 11 KV Polymer Pin - Insulator with GI Pin | 42 | 380 | Each | 15960 |
| 10 | 11 KV Strain Insulator set with metal parts | 12 | 446 | Each | 5352 |
| 11 | 11 KV String Insulator Fittings Concreting of 3 Poles, 8 strutpoles Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 47500 |
| | TOTAL | | | | 600872 |
| | 15% stores overhead charges on items (1) to (10) | | 553372 | | 83006 |
| | 5 % Contingencies | | | | 30044 |
| | Services | LS | | | 170000 |
| | Works overhead @ 15% on Services | | | | 25500 |
| | Contingencies @ 5% on Service cost | | | | 8500 |
| | TOTAL ESTIMATE COST | | | | 917922 |

**Cost data per KM of 11 KV line (Single Circuit) with 55 Sq.mm AAA Conductor over 11.0 Mt PscC Pole
at 50 Mt Span 75 Kg /Sq .Mt wind pressur, working load 350 Kgs.**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|------------------------|---------------------|--------------------------|
| 1 | 11 M PSCC Pole | 21 | 7600.00 | Each | 159600 |
| 2 | 9.1M PSCC Poles for Struts | 8 | 4910.00 | Each | 39280 |
| 3 | 11KV V-Cross Arm /Channel without clamps | 19 | 1098.00 | Each | 20862 |
| 4 | 11KV Top Clamp with cleat | 19 | 431.00 | Each | 8189 |
| 5 | 11KV Tapping Channel Cross Arms Bracing Set with double cross arm along with Fish | 1 | 5897.00 | Each | 5897 |
| 6 | MS Back Clamps for 11M PSCC poles | 21 | 178.45 | Each | 3747 |
| 7 | MS Stay sets Complete with base plate | 8 | 745.00 | Each | 5960 |
| 8 | MS Stay clamp for Stut poles | 8 | 250.00 | Each | 2000 |
| 9 | 55 Sq.mm AAA Conductor | 3.06 | 67000.00 | Each | 205020 |
| 10 | 11 KV Polymer Pin - Insulator with GI Pin | 60 | 380.07 | Each | 22804 |
| 11 | 11 KV Strain Insulator set with metal parts 11 KV String Insulator Fittings Concreting of 3 | 12 | 446.04 | Each | 5352 |
| 12 | Poles, 8 strutpoles and Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 40000 |
| | TOTAL | | | | 518712 |
| | 15% stores overhead charges on items (1) to (12) | | 478712 | | 71807 |
| | 5 % Contingencies | | | | 25936 |
| | Services | LS | | | 185000 |
| | Works overhead @ 15% on Services | | | | 27750 |
| | Contingencies @ 5% on Service cost | | | | 9250 |
| | TOTAL ESTIMATE COST | | | | 838455 |

**Cost data per KM of 11 KV line (Single Circuit) with 100 Sq.mm AAA Conductor over 11 Mt PscC Pole
at 40 Mt Span 75 Kg /Sq .Mt wind pressur, working load 350 Kgs.**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|------------------------|---------------------|--------------------------|
| 1 | 11 M PSCC Pole | 26 | 7600.00 | Each | 197600 |
| 2 | 9.1M PSCC Poles for Struts | 8 | 4910.00 | Each | 39280 |
| 3 | 11KV V-Cross Arm /Channel without clamps | 24 | 1098.00 | Each | 26352 |
| 4 | 11KV Top Clamp with cleat | 24 | 431.00 | Each | 10344 |
| 5 | 11KV Tapping Channel Cross Arms Bracing Set with double cross arm along with Fish | 3 | 5897.00 | Each | 17691 |
| 6 | MS Back Clamps for 11M PSCC poles | 27 | 178.45 | Each | 4818 |
| 8 | MS Stay clamp for Stut poles | 8 | 250.00 | Each | 2000 |
| 9 | 100 Sq.mm AAA Conductor | 3.06 | 67000 | Each | 205020 |
| 10 | 11 KV Polymer Pin - Insulator with GI Pin | 60 | 380.00 | Each | 22800 |
| 11 | 11 KV Strain Insulator set with metal parts 11 KV String Insulator Fittings Concreting of 3 | 12 | 506.00 | Each | 6072 |
| 12 | Poles, 8 strutpoles and 8 staysets. Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 47500 |
| | TOTAL | | | | 579477 |
| | 15% stores overhead charges on items (1) to (12) | | 531977 | | 79797 |
| | 5 % Contingencies | | | | 28974 |
| | Services | LS | | | 200000 |
| | Works overhead @ 15% on Services | | | | 30000 |
| | Contingencies @ 5% on Service cost | | | | 10000 |
| | TOTAL ESTIMATE COST | | | | 928248 |

Cost data per KM of 11 KV line (Single Circuit) with 55 Sq.mm AAA Conductor over 9.1 Mt Psc Pole at 60 Mt Span 75 Kg /Sq .Mt wind pressur, working load 280 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|--------------------|-----------------|----------------------|
| 1 | 9.1 M PSCC Pole | 17 | 4700.00 | Each | 79900 |
| 2 | 8 M PSCC Poles for Struts | 8 | 3250.00 | Each | 26000 |
| 3 | 11KV V-Cross Arm /Channel without clamps | 16 | 789.34 | Each | 12629 |
| 4 | 11KV Top Clamp with cleat | 16 | 318.84 | Each | 5101 |
| 5 | 11KV Tapping Channel Cross Arms Bracing Set with double cross arm along with Fish | 1 | 4523.00 | Each | 4523 |
| 6 | MS Back Clamps for 9.1M PSCC poles | 16 | 100.00 | Each | 1600 |
| 8 | MS Stay clamp for Stut poles | 8 | 115.51 | Each | 924 |
| 9 | 55 Sq.mm AAA Conductor | 3 | 67000 | Each | 205020 |
| 10 | 11 KV Polymer Pin - Insulator with GI Pin | 60 | 147.57 | Each | 8854 |
| 11 | 11 KV Strain Insulator set with metal parts | 12 | 219.54 | Each | 2634 |
| 12 | 11 KV String Insulator Fittings Concreting of 3 Poles, 4 strut and 4 stays, Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 30000 |
| | TOTAL | | | | 377187 |
| | 15% stores overhead charges on items (1) to (11) | | 347187 | | 52078 |
| | 5 % Contingencies | | | | 18859 |
| | Services | LS | | | 103558 |
| | Works overhead @ 15% on Services | | | | 15534 |
| | Contingencies @ 5% on Service cost | | | | 5178 |
| | TOTAL ESTIMATE COST | | | | 572394 |

Cost data per KM of 11 KV line (Single Circuit) with 55 Sq.mm AAA Conductor over 9.1 Mt Psc Pole at 50 Mt Span 75 Kg /Sq .Mt wind pressur, working load 280 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|--------------------|-----------------|----------------------|
| 1 | 9.1 M PSCC Pole | 22 | 4700.00 | Each | 103400 |
| 2 | 8 M PSCC Poles for Struts | 4 | 3250.00 | Each | 13000 |
| 3 | 11KV V-Cross Arm /Channel without clamps | 20 | 789.34 | Each | 15787 |
| 4 | 11KV Top Clamp with cleat | 20 | 318.84 | Each | 6377 |
| 5 | 11KV Tapping Channel Cross Arms Bracing Set with double cross arm along with Fish | 3 | 4523.00 | Each | 13569 |
| 6 | MS Back Clamps for 9.1M PSCC poles | 23 | 100.00 | Each | 2300 |
| 7 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 8 | MS Stay clamp for Strut poles | 8 | 115.51 | Each | 924 |
| 9 | 55 Sq.mm AAA Conductor | 3 | 58117.95 | Each | 177841 |
| 10 | 11 KV Polymer Pin - Insulator with GI Pin | 60 | 147.57 | Each | 8854 |
| 11 | 11 KV Strain Insulator set with metal parts 11 KV String Insulator Fittings Concreting of 3 | 12 | 219.54 | Each | 2634 |
| 12 | Poles, 4 strut and 4 stays, Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 30000 |
| | TOTAL | | | | 376992 |
| | 15% stores overhead charges on items (1) to (11) | | 346992 | | 52049 |
| | 5 % Contingencies | | | | 18850 |
| | Services | LS | | | 103558 |
| | Works overhead @ 15% on Services | | | | 15534 |
| | Contingencies @ 5% on Service cost | | | | 5178 |
| | TOTAL ESTIMATE COST | | | | 572160 |

Cost data per KM of 11 KV line (Single Circuit) with 55 Sq.mm AAA Conductor over 8.0 Mt Psc Pole at 50 Mt Span 75 Kg /Sq .Mt wind pressur, working load 280 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|--------------------|-----------------|----------------------|
| 1 | 8.0 M PSCC Pole | 22 | 3250.00 | Each | 71500 |
| 2 | 8 M PSCC Poles for Struts | 4 | 3250.00 | Each | 13000 |
| 3 | 11KV V-Cross Arm /Channel without clamps | 20 | 789.34 | Each | 15787 |
| 4 | 11KV Top Clamp with cleat | 20 | 318.84 | Each | 6377 |
| 5 | 11KV Tapping Channel Cross Arms Bracing Set with double cross arm along with Fish | 3 | 4523.00 | Each | 13569 |
| 6 | MS Back Clamps for 9.1M PSCC poles | 23 | 100.00 | Each | 2300 |
| 7 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 8 | MS Stay clamp for Strut poles | 8 | 115.51 | Each | 924 |
| 9 | 55 Sq.mm AAA Conductor | 3 | 58117.95 | Each | 177841 |
| 10 | 11 KV Polymer Pin - Insulator with GI Pin | 60 | 147.57 | Each | 8854 |
| 11 | 11 KV Strain Insulator set with metal parts | 12 | 219.54 | Each | 2634 |
| 12 | 11 KV String Insulator Fittings Concreting of 3 Poles, 4 strut and 4 stays, Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 30000 |
| | TOTAL | | | | 345092 |
| | 15% stores overhead charges on items (1) to (11) | | 315092 | | 47264 |
| | 5 % Contingencies | | | | 17255 |
| | Services | LS | | | 103558 |
| | Works overhead @ 15% on Services | | | | 15534 |
| | Contingencies @ 5% on Service cost | | | | 5178 |
| | TOTAL ESTIMATE COST | | | | 533880 |

**Cost data per KM of 6.3 KV line with 55 Sq.mm AAA Conductor over 9.1 Mt Psc Pole at 60 Mt Span
75 Kg /Sq .Mt wind pressur, working load 280 Kgs.**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|---|-------------|------------------------|---------------------|--------------------------|
| 1 | 9.1 M PSCC Pole | 20 | 4700.00 | Each | 94000 |
| 2 | 8 M PSCC Poles for Struts | 4 | 3250.00 | Each | 13000 |
| 3 | 11KV V-Cross Arm /Channel without clamps | 0 | 789.34 | Each | 0 |
| 4 | 11KV Top Clamp with cleat | 20 | 318.84 | Each | 6377 |
| 5 | 11KV Tapping Channel Cross Arms Bracing Set with double cross arm along with Fish | 0 | 4523.00 | Each | 0 |
| 6 | MS Back Clamps for 9.1M PSCC poles | 20 | 100.00 | Each | 2000 |
| 7 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 8 | MS Stay clamp for Strut poles | 4 | 115.51 | Each | 462 |
| 9 | 55 Sq.mm AAA Conductor | 1 | 58117.95 | Each | 58699 |
| 10 | 11 KV Polymer Pin - Insulator with GI Pin | 20 | 147.57 | Each | 2951 |
| 11 | 11 KV Strain Insulator set with metal parts 11 KV String Insulator Fittings Concreting of 3 | 4 | 219.54 | Each | 878 |
| 12 | Poles, 4 strut and 4 stays Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 30000 |
| | TOTAL | | | | 210673 |
| | 15% stores overhead charges on items (1) to (11) | | 180673 | | 27101 |
| | 5 % Contingencies | | | | 10534 |
| | Services | LS | | | 81530 |
| | Works overhead @ 15% on Services | | | | 12230 |
| | Contingencies @ 5% on Service cost | | | | 4077 |
| | TOTAL ESTIMATE COST | | | | 346144 |

**Cost data per KM of 6.3 KV line with 55 Sq.mm AAA Conductor over 8.0 Mt Psc Pole at 60 Mt Span
75 Kg /Sq .Mt wind pressur, working load 200 Kgs.**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|---|-------------|------------------------|---------------------|--------------------------|
| 1 | 8.0 M PSCC Pole | 20 | 3250.00 | Each | 65000 |
| 2 | 8.0 M PSCC Poles for Struts | 4 | 3250.00 | Each | 13000 |
| 3 | 11KV V-Cross Arm /Channel without clamps | 0 | 789.34 | Each | 0 |
| 4 | 11KV Top Clamp with cleat | 20 | 318.84 | Each | 6377 |
| 5 | 11KV Tapping Channel Cross Arms Bracing Set with double cross arm along with Fish | 0 | 4523.00 | Each | 0 |
| 6 | MS Back Clamps for 8.0M PSCC poles | 20 | 100.00 | Each | 2000 |
| 7 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 8 | MS Stay clamp for Stut poles | 4 | 115.51 | Each | 462 |
| 9 | 55 Sq.mm AAA Conductor | 1 | 58117.95 | Each | 59861 |
| 10 | 11 KV Polymer Pin - Insulator with GI Pin | 20 | 147.57 | Each | 2951 |
| 11 | 11 KV Strain Insulator set with metal parts 11 KV String Insulator Fittings Concreting of 3 | 4 | 219.54 | Each | 878 |
| 12 | Poles, 4 strut and 4 stays Misc. Items like coil earthing, pipe earthing, danger-boards, bolts & nuts, etc. | LS | | LS | 30000 |
| | TOTAL | | | | 182835 |
| | 15% stores overhead charges on items (1) to (11) | | 152835 | | 22925 |
| | 5 % Contingencies | | | | 9142 |
| | Services | LS | | | 73540 |
| | Works overhead @ 15% on Services | | | | 11031 |
| | Contingencies @ 5% on Service cost | | | | 3677 |
| | TOTAL ESTIMATE COST | | | | 303150 |

Cost data per KM of LT I-Ph 2 wire Line (Horizontal formation) with 2x55 Sq.mm AAA Conductor over 8.0 Mt PscC Pole at 50 Mt Span 75 Kg /Sq .Mt wind pressur, working load 200 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|--------------------|-----------------|----------------------|
| 1 | 8 M PSCC Pole 200Kgs | 20 | 3250.00 | Each | 65000 |
| 2 | 8 M PSCC Pole 200Kgs (Struts) | 2 | 3250.00 | Each | 6500 |
| 3 | L.T. 1 Phase 3W cross arms with BC | 25 | 349.72 | Each | 8743 |
| 5 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 6 | 55 Sq.mm AAA Conductor | 2 | 58117.95 | Each | 118561 |
| 7 | LT Shakle Insulator | 4 | 25.50 | Each | 102 |
| 8 | LT Metal Parts for Shackles | 4 | 40.59 | Each | 162 |
| 9 | MS Stay clamp for Strut poles | 4 | 86.04 | Each | 344 |
| 10 | L.T.pin insulator | 14 | 25.44 | Each | 366 |
| 11 | L.T. GI pin | 37 | 36.67 | Each | 1343 |
| 12 | C.I. Knob | 20 | 11.01 | Each | 220 |
| 13 | Concreting of Pole & Base concreting | 7 | 3012.00 | Each | 21084 |
| 14 | Concreting of Stay sets | 4 | 1530.00 | Each | 6120 |
| 15 | Misc. Items like coil earthing, pipe earthing, danger boards, bolts & nuts, etc. | LS | 4000.00 | LS | 4000 |
| | TOTAL | | | | 234851 |
| | 15% stores overhead charges on items (1) to (12) | | 204609 | | 30691 |
| | 5 % Contingencies | | | | 11743 |
| | Services | | | | 77048 |
| | Works overhead @ 15% on Services | | | | 11557 |
| | Contingencies @ 5% on Service cost | | | | 3852 |
| | TOTAL ESTIMATE COST | | | | 369743 |

Cost data per KM of LT I-Ph 3 wire Line (Horizontal formation) with 3x55 Sq.mm AAA Conductor over 8.0 Mt PscC Pole at 50 Mt Span 75 Kg /Sq .Mt wind pressur, working load 200 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|--------------------|-----------------|----------------------|
| 1 | 8 M PSCC Pole 200Kgs | 20 | 3250.00 | Each | 65000 |
| 2 | 8 M PSCC Pole 200Kgs (Struts) | 2 | 3250.00 | Each | 6500 |
| 3 | L.T. 1 Phase 3W cross arms with BC | 25 | 349.72 | Each | 8743 |
| 5 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 6 | 55 Sq.mm AAA Conductor | 3 | 58117.95 | Each | 177841 |
| 7 | LT Shackle Insulator | 8 | 25.50 | Each | 204 |
| 8 | LT Metal Parts for Shackles | 8 | 40.59 | Each | 325 |
| 9 | MS Stay clamp for Strut poles | 4 | 86.04 | Each | 344 |
| 10 | L.T.pin insulator | 34 | 25.44 | Each | 865 |
| 11 | L.T. GI pin | 34 | 36.67 | Each | 1247 |
| 12 | C.I. Knob | 20 | 11.01 | Each | 220 |
| 13 | Concreting of Pole & Base concreting | 7 | 3012.00 | Each | 21084 |
| 14 | Concreting of Stay sets | 4 | 1530.00 | Each | 6120 |
| 15 | Misc. Items like coil earthing, pipe earthing, danger boards, bolts & nuts, etc. | LS | 4000.00 | LS | 4000 |
| | TOTAL | | | | 294798 |
| | 15% stores overhead charges on items (1) to (12) | | 264337 | | 39651 |
| | 5 % Contingencies | | | | 14740 |
| | Services | | | | 89792 |
| | Works overhead @ 15% on Services | | | | 13469 |
| | Contingencies @ 5% on Service cost | | | | 4490 |
| | TOTAL ESTIMATE COST | | | | 456939 |

Cost data per KM of LT 3-Ph 4 wire Line (Horizontal formation) with 4x55 Sq.mm AAA Conductor over 8.0 Mt Psc Pole at 50 Mt Span 75 Kg /Sq .Mt wind pressur, working load 200 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|--------------------|-----------------|----------------------|
| 1 | 8 M PSCC Pole 200Kgs | 20 | 3250.00 | Each | 65000 |
| 2 | 8 M PSCC Pole 200Kgs (Struts) | 2 | 3250.00 | Each | 6500 |
| 3 | L.T. 3 Phase 4W cross arms with BC | 25 | 458.42 | Each | 11461 |
| 5 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 6 | 55 Sq.mm AAA Conductor | 4 | 58117.95 | Each | 237121 |
| 7 | LT Shakle Insulator | 12 | 25.50 | Each | 306 |
| 8 | LT Metal Parts for Shackles | 12 | 40.59 | Each | 487 |
| 9 | MS Stay clamp for Strut poles | 4 | 86.04 | Each | 344 |
| 10 | L.T.pin insulator | 51 | 25.44 | Each | 1297 |
| 11 | L.T. GI pin | 51 | 36.67 | Each | 1870 |
| 12 | C.I. Knob | 20 | 11.01 | Each | 220 |
| 13 | Concreting of Pole & Base concreting | 7 | 3012.00 | Each | 21084 |
| 14 | Concreting of Stay sets | 4 | 1530.00 | Each | 6120 |
| 15 | Misc. Items like coil earthing, pipe earthing, danger boards, bolts & nuts, etc. | LS | 4000.00 | LS | 4000 |
| | TOTAL | | | | 358116 |
| | 15% stores overhead charges on items (1) to (12) | | 324746 | | 48712 |
| | 5 % Contingencies | | | | 17906 |
| | Services | | | | 91120 |
| | Works overhead @ 15% on Services | | | | 13668 |
| | Contingencies @ 5% on Service cost | | | | 4556 |
| | TOTAL ESTIMATE COST | | | | 534078 |

**Cost data per KM of LT 3-Ph 4 wire Line (Horizontal formation) with 4x55 Sq.mm AAA Conductor over
9.1 Mt PscC Pole at 50 Mt Span 75 Kg /Sq .Mt wind pressur, working load 280 Kgs.**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|------------------------|---------------------|--------------------------|
| 1 | 9.1 M PSCC Pole 200Kgs | 20 | 4700.00 | Each | 94000 |
| 2 | 8 M PSCC Pole 200Kgs (Struts) | 2 | 3250.00 | Each | 6500 |
| 3 | L.T. 3 Phase 4W cross arms with BC | 25 | 458.42 | Each | 11461 |
| | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 6 | 55 Sq.mm AAA Conductor | 4 | 58117.95 | Each | 237121 |
| 7 | LT Shakle Insulator | 12 | 25.50 | Each | 306 |
| 8 | LT Metal Parts for Shackles | 12 | 40.59 | Each | 487 |
| 9 | MS Stay clamp for Strut poles | 4 | 86.04 | Each | 344 |
| 10 | L.T.pin insulator | 51 | 25.44 | Each | 1297 |
| 11 | L.T. GI pin | 51 | 36.67 | Each | 1870 |
| 12 | C.I. Knob | 20 | 11.01 | Each | 220 |
| 13 | Concreting of Pole & Base concreting | 7 | 3012.00 | Each | 21084 |
| 14 | Concreting of Stay sets | 4 | 1530.00 | Each | 6120 |
| 15 | Misc. Items like coil earthing, pipe earthing, danger boards, bolts & nuts, etc. | LS | 4000.00 | LS | 4000 |
| | TOTAL | | | | 387116 |
| | 15% stores overhead charges on items (1) to (12) | | 353271 | | 52991 |
| | 5 % Contingencies | | | | 19356 |
| | Services | | | | 114137 |
| | Works overhead @ 15% on Services | | | | 17121 |
| | Contingencies @ 5% on Service cost | | | | 5707 |
| | TOTAL ESTIMATE COST | | | | 596427 |

Cost data per KM of LT 3-Ph 5 wire Line (Horizontal formation) with 5x55 Sq.mm AAA Conductor over 8.0 Mt Psc Pole at 50 Mt Span 75 Kg /Sq .Mt wind pressur, working load 200 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|--------------------|-----------------|----------------------|
| 1 | 8 M PSCC Pole 200Kgs | 20 | 3250.00 | Each | 65000 |
| 2 | 8 M PSCC Pole 200Kgs (Struts) | 2 | 3250.00 | Each | 6500 |
| 3 | L.T. 3 Phase 5W cross arms with BC | 25 | 548.70 | Each | 13718 |
| 5 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 6 | 55 Sq.mm AAA Conductor | 5 | 58117.95 | Each | 296402 |
| 7 | LT Shakle Insulator | 16 | 25.50 | Each | 408 |
| 8 | LT Metal Parts for Shackles | 16 | 40.59 | Each | 649 |
| 9 | MS Stay clamp for Strut poles | 4 | 86.04 | Each | 344 |
| 10 | L.T.pin insulator | 68 | 25.44 | Each | 1730 |
| 11 | L.T. GI pin | 68 | 36.67 | Each | 2494 |
| 12 | C.I. Knob | 20 | 11.01 | Each | 220 |
| 13 | Concreting of Pole & Base concreting | 7 | 3012.00 | Each | 21084 |
| 14 | Concreting of Stay sets | 4 | 1530.00 | Each | 6120 |
| 15 | Misc. Items like coil earthing, pipe earthing, danger boards, bolts & nuts, etc. | LS | 4000.00 | LS | 4000 |
| | TOTAL | | | | 420974 |
| | 15% stores overhead charges on items (1) to (12) | | 384905 | | 57736 |
| | 5 % Contingencies | | | | 21049 |
| | Services | | | | 97348 |
| | Works overhead @ 15% on Services | | | | 14602 |
| | Contingencies @ 5% on Service cost | | | | 4867 |
| | TOTAL ESTIMATE COST | | | | 616576 |

Cost data per KM of LT 3-Ph 5 wire Line (Horizontal formation) with 5x55 Sq.mm AAA Conductor over 9.1 Mt PscC Pole at 50 Mt Span 75 Kg /Sq .Mt wind pressur, working load 280 Kgs.

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|--------------------|-----------------|----------------------|
| 1 | 9.1 M PSCC Pole 200Kgs | 20 | 4700.00 | Each | 94000 |
| 2 | 8 M PSCC Pole 200Kgs (Struts) | 2 | 3250.00 | Each | 6500 |
| 3 | L.T. 3 Phase 5W cross arms with BC | 25 | 548.70 | Each | 13718 |
| 5 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 6 | 55 Sq.mm AAA Conductor | 5 | 58117.95 | Each | 296402 |
| 7 | LT Shakle Insulator | 16 | 25.50 | Each | 408 |
| 8 | LT Metal Parts for Shackles | 16 | 40.59 | Each | 649 |
| 9 | MS Stay clamp for Strut poles | 4 | 86.04 | Each | 344 |
| 10 | L.T.pin insulator | 68 | 25.44 | Each | 1730 |
| 11 | L.T. GI pin | 68 | 36.67 | Each | 2494 |
| 12 | C.I. Knob | 20 | 11.01 | Each | 220 |
| 13 | Concreting of Pole & Base concreting | 7 | 3012.00 | Each | 21084 |
| 14 | Concreting of Stay sets | 4 | 1530.00 | Each | 6120 |
| 15 | Misc. Items like coil earthing, pipe earthing, danger boards, bolts & nuts, etc. | LS | 4000.00 | LS | 4000 |
| | TOTAL | | | | 449974 |
| | 15% stores overhead charges on items (1) to (12) | | 413123 | | 61968 |
| | 5 % Contingencies | | | | 22499 |
| | Services | | | | 116776 |
| | Works overhead @ 15% on Services | | | | 17516 |
| | Contingencies @ 5% on Service cost | | | | 5839 |
| | TOTAL ESTIMATE COST | | | | 674572 |

**Cost data per KM of LT 2x16+25 Sqmm AB Cable over 8.0 Mt PscC Pole at 50 Mt Span 75 Kg /Sq .Mt
wind pressur, working load 200 Kgs.**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|------------------------|---------------------|--------------------------|
| 1 | 8 M PSCC Pole 200Kgs | 20 | 3250.00 | Each | 65000 |
| 2 | 8 M PSCC Pole 200Kgs (Struts) | 2 | 3250.00 | Each | 6500 |
| 3 | L.T. 1 Phase 3W cross arms with BC | 20 | 349.72 | Each | 6994 |
| 5 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 6 | AB Cable 2X16+25 Sqmm | 1 | 55870.00 | Mtr | 56429 |
| 7 | LT Shakle Insulator | 4 | 25.50 | Each | 102 |
| 8 | LT Metal Parts for Shackles | 4 | 40.59 | Each | 162 |
| 9 | MS Stay clamp for Strut poles | 4 | 86.04 | Each | 344 |
| 10 | L.T.pin insulator | 17 | 25.44 | Each | 432 |
| 11 | L.T. GI pin | 17 | 36.67 | Each | 623 |
| 12 | C.I. Knob | 2 | 11.01 | Each | 22 |
| 13 | Concreting of Pole & Base concreting | 7 | 3012.00 | Each | 21084 |
| 14 | Concreting of Stay sets | 4 | 1530.00 | Each | 6120 |
| 15 | Misc. Items like coil earthing, pipe earthing, danger boards, bolts & nuts, etc. | LS | 4000.00 | LS | 4000 |
| | TOTAL | | | | 170119 |
| | 15% stores overhead charges on items (1) to (12) | | 142804 | | 21421 |
| | 5 % Contingencies | | | | 8506 |
| | Services | | | | 71896 |
| | Works overhead @ 15% on Services | | | | 10784 |
| | Contingencies @ 5% on Service cost | | | | 3595 |
| | TOTAL ESTIMATE COST | | | | 286321 |

**Cost data per KM of LT 3x16+25 Sqmm AB Cable over 8.0 Mt PscC Pole at 50 Mt Span 75 Kg /Sq .Mt
wind pressur, working load 200 Kgs.**

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|------------------------|---------------------|--------------------------|
| 1 | 8 M PSCC Pole 200Kgs | 20 | 3250 | Each | 65000 |
| 2 | 8 M PSCC Pole 200Kgs (Struts) | 2 | 3520 | Each | 7040 |
| 3 | L.T. 1 Phase 3W cross arms with BC | 20 | 349.72 | Each | 6994 |
| 5 | MS Stay sets Complete with base plate | 4 | 576.35 | Each | 2305 |
| 6 | AB Cable 3X16+25 Sqmm | 1 | 64920 | Mtr | 65569 |
| 7 | LT Shakle Insulator | 4 | 25.50 | Each | 102 |
| 8 | LT Metal Parts for Shackles | 4 | 40.59 | Each | 162 |
| 9 | MS Stay clamp for Strut poles | 4 | 86.04 | Each | 344 |
| 10 | L.T.pin insulator | 17 | 25.44 | Each | 432 |
| 11 | L.T. GI pin | 17 | 36.67 | Each | 623 |
| 12 | C.I. Knob | 2 | 11.01 | Each | 22 |
| 13 | Concreting of Pole & Base concreting | 7 | 3012 | Each | 21084 |
| 14 | Concreting of Stay sets | 4 | 1530 | Each | 6120 |
| 15 | Misc. Items like coil earthing, pipe earthing, danger boards, bolts & nuts, etc. | LS | 4000 | LS | 4000 |
| | TOTAL | | | | 179799 |
| | 15% stores overhead charges on items (1) to (11) | | 160846 | | 24127 |
| | 5 % Contingencies | | | | 8990 |
| | Services | | | | 72620 |
| | Works overhead @ 15% on Services | | | | 10893 |
| | Contingencies @ 5% on Service cost | | | | 3631 |
| | TOTAL ESTIMATE COST | | | | 300060 |

Cost data for erection of 33KV Bay extension in existing 33/11KV Sub-Station.

| S.No. | Particulars | Qty. | Rate | Per. | Amount |
|-------|---|------|--------|------|---------------|
| 1 | 150 x 150Sq.mm RS Joists | 0.8 | 63720 | MT | 50976 |
| 2 | 100 x 50Sq.mm Channel | 0.5 | 62434 | MT | 31217 |
| 3 | MS Flat 75 x 8mm | 0.4 | 70800 | MT | 28320 |
| 4 | AB Switch 800Amps conventional type | 1 | 30093 | Each | 30093 |
| 5 | 200Sq.mm ACSR Conductor (Panther conductor) | 0.05 | 227445 | Km | 11372 |
| 6 | 33KV Strain Insulators(Polymer) | 6 | 259 | Each | 1553 |
| 7 | 33KV Metal Parts | 6 | 196 | Each | 1176 |
| 13 | Earthing arrangements (20mts length with 75 x 8 MS flat) | LS | | | 12600 |
| 14 | Miscellaneous items like fabrication of channels & Pad clamps & T Clamps and concreting etc., | LS | | | 18000 |
| | TOTAL | | | | 185307 |
| | 15% stores overhead charges on items (1) to (12) | | 154707 | | 23206 |
| | 5 % Contingencies | | | | 9265 |
| | Services | LS | | | 72000 |
| | Works overhead @ 15% on Services | | | | 10800 |
| | Contingencies @ 5% on Service cost | | | | 3600 |
| | TOTAL ESTIMATE COST | | | | 304179 |

Cost data for erection of 1KV Bay extension along with VCB in existing 33/11KV Sub**Station.**

| S.No. | Particulars | Qty. | Rate | Per. | Amount |
|-------|--|-------|--------|------|----------------|
| 1 | 150 x 150Sq.mm RS Joists | 0.8 | 63720 | MT | 50976 |
| 2 | 100 x 50Sq.mm Channel | 0.5 | 62434 | MT | 31217 |
| 3 | MS Flat 75 x 8mm | 0.3 | 70800 | MT | 21240 |
| | MS angle 65 x 65 x 6mm | 0.1 | 67378 | MT | 6738 |
| 4 | 11KVAB Switch 400Amps conventional type | 2 | 14520 | Each | 29040 |
| 5 | 200Sq.mm ACSR Conductor (Panther conductor) | 0.05 | 227445 | Km | 11372 |
| | 11 KV Feeder VCB with CTs & Control Panel | 1.00 | 588654 | Each | 588654 |
| | 11 KV Lightning arrestor station type | 3.00 | 1156 | Each | 3469 |
| | 11 KV Post type insulators | 12.00 | 279 | Each | 3352 |
| | 24V 40AH Battery with trickle charger | 1.00 | 17109 | Each | 17109 |
| 6 | 11KV Strain Insulators(Polymer) | 6 | 259 | Each | 1553 |
| 7 | 11KV Metal Parts | 6 | 196 | Each | 1176 |
| | LT PVC CU Control Cable 4 C 2.5sqmm | 50 | 79 | M | 3955 |
| | LT PVC CU Control Cable 10 C 2.5sqmm | 50 | 193 | M | 9641 |
| | CI Earth pipe | 3 | 3410 | Each | 10231 |
| 13 | Earthing arrangements (20mts length with 75 x 8 MS flat) | LS | | | 12600 |
| 14 | Miscellaneous items like fabrication of channels & Pad clamps & T Clamps etc., | LS | | | 12000 |
| 15 | Plinth for VCB and concreting of structures | LS | | | 78000 |
| | TOTAL | | | | 892323 |
| | 15% stores overhead charges on items (1) to (12) | | 789723 | | 118458 |
| | 5 % Contingencies | | | | 44616 |
| | Services | LS | | | 100000 |
| | Works overhead @ 15% on Services | | | | 15000 |
| | Contingencies @ 5% on Service cost | | | | 5000 |
| | TOTAL ESTIMATE COST | | | | 1175397 |

Cost data for Erection of 1 Ph 16KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|---|-------------|--------------------|-----------------|----------------------|
| 1 | 6.3 KV/240V 16KVA S PH (AL) Conventional Transformer | 1 | 51241 | E | 51241 |
| 2 | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)6.3 KV 200 Amps AB Switch (Tilting) polymer type insulators,stays and mounting arrangements. | 1 | 24217.69 | E | 24217.69 |
| 3 | Erection of 6.3 KV H.G. Fuse set | 1 | 924.55 | E | 924.55 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 1745.04 | E | 1745.04 |
| 5 | Distribuion box with 1 No 100A Fuse unit and cleat wiring with 50Sqmm XLPE and LT side arm with sturt | 1 | 5156.6 | E | 5156.6 |
| 6 | Installation of HT Lightening Arrestors | 1 | 1156.4 | E | 1156.4 |
| 7 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 90441 |
| | 15% stores overhead charges on items (1) to (6) | | 84441 | | 12666 |
| | 5 % Contingencies | | | | 4522 |
| | Services | LS | | | 7500 |
| | Works overhead @ 15% on Services | | | | 1125 |
| | Contingencies @ 5% on Service cost | | | | 375 |
| | TOTAL ESTIMATE COST | | | | 116630 |

Cost data for Erection of 1 Ph 16KVA DTR (CU)

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|---|------|-------------|----------|---------------|
| 1 | 6.3 KV/240V 16KVA S PH (CU) Conventional Transformer | 1 | 71783.13 | E | 71783.13 |
| | Single Pole. Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting | | | | |
| 2 | 1No CI pipe and 2nos GI pipes)6.3 KV 200 Amps AB Switch (Tilting) polymer type insulators, stays and mounting arrangements. | 1 | 24217.69 | E | 24217.69 |
| 3 | Erection of 6.3 KV H.G. Fuse set | 1 | 924.55 | E | 924.55 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 1745.04 | E | 1745.04 |
| 5 | Distribuion box with 1 No 100A Fuse unit and cleat wiring with 50Sqmm XLPE and LT side arm with sturt | 1 | 5156.6 | E | 5156.6 |
| 6 | Installation of HT Lightening Arrestors | 1 | 1156.4 | E | 1156.4 |
| 7 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 110983 |
| | 15% stores overhead charges on items (1) to (6) | | 104983 | | 15748 |
| | 5 % Contingencies | | | | 5549 |
| | Services | LS | | | 7500 |
| | Works overhead @ 15% on Services | | | | 1125 |
| | Contingencies @ 5% on Service cost | | | | 375 |
| | TOTAL ESTIMATE COST | | | | 141280 |

Cost data for Erection of 1 Ph 25KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|---|-------------|--------------------|-----------------|----------------------|
| 1 | 6.3 KV/240V 25KVA S PH (AL) Conventional Transformer | 1 | 68592.31 | E | 68592.31 |
| 2 | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)6.3 KV 200 Amps AB Switch (Tilting) polymer type insulators,stays and mounting arrangements. | 1 | 24217.69 | E | 24217.69 |
| 3 | Erection of 6.3 KV H.G. Fuse set | 1 | 924.55 | E | 924.55 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 1745.04 | E | 1745.04 |
| 5 | Distribuion box with 1 No 100A Fuse unit and cleat wiring with 50Sqmm XLPE and LT side arm with sturt | 1 | 5156.6 | E | 5156.6 |
| 6 | Installation of HT Lightening Arrestors | 1 | 1156.4 | E | 1156.4 |
| 7 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 107793 |
| | 15% stores overhead charges on items (1) to (6) | | 101793 | | 15269 |
| | 5 % Contingencies | | | | 5390 |
| | Services | LS | | | 7500 |
| | Works overhead @ 15% on Services | | | | 1125 |
| | Contingencies @ 5% on Service cost | | | | 375 |
| | TOTAL ESTIMATE COST | | | | 137451 |

Cost data for Erection of 1 Ph 50 KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|--|------|-------------|----------|---------------|
| 1 | 6.3 KV/240V 50KVA S PH (CU) Conventional Transformer | 1 | 148079.72 | E | 148079.72 |
| | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting | | | | |
| 2 | 1No CI pipe and 2nos GI pipes)6.3 KV 200 Amps AB Switch (Tilting) polymer type insulators,stays and mounting arrangements. | 1 | 24217.69 | E | 24217.69 |
| 3 | Erection of 6.3 KV H.G. Fuse set | 1 | 924.55 | E | 924.55 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 1745.04 | E | 1745.04 |
| 5 | Distribuion box with 1 No 100A Fuse unit and cleat wiring with 50Sqmm XLPE and LT side arm with sturt | 1 | 5156.6 | E | 5156.6 |
| 6 | Installation of HT Lightening Arrestors | 1 | 1156.4 | E | 1156.4 |
| 7 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 187280 |
| | 15% stores overhead charges on items (1) to (6) | | 181280 | | 27192 |
| | 5 % Contingencies | | | | 9364 |
| | Services | LS | | | 7500 |
| | Works overhead @ 15% on Services | | | | 1125 |
| | Contingencies @ 5% on Service cost | | | | 375 |
| | TOTAL ESTIMATE COST | | | | 232836 |

Cost data for Erection of 1 Ph 75 KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|--|------|-------------|----------|---------------|
| 1 | 6.3 KV/240V 75KVA S PH (CU) Conventional Transformer | 1 | 205594.39 | E | 205594.39 |
| | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting | | | | |
| 2 | 1No CI pipe and 2nos GI pipes)6.3 KV 200 Amps AB Switch (Tilting) polymer type insulators,stays and mounting arrangements. | 1 | 24217.69 | E | 24217.69 |
| 3 | Erection of 6.3 KV H.G. Fuse set | 1 | 924.55 | E | 924.55 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 1745.04 | E | 1745.04 |
| 5 | Distribuion box with 1 No 100A Fuse unit and cleat wiring with 50Sqmm XLPE and LT side arm with sturt | 1 | 5156.6 | E | 5156.6 |
| 6 | Installation of HT Lightening Arrestors | 1 | 1156.4 | E | 1156.4 |
| 7 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 244795 |
| | 15% stores overhead charges on items (1) to (6) | | 238795 | | 35819 |
| | 5 % Contingencies | | | | 12240 |
| | Services | LS | | | 7500 |
| | Works overhead @ 15% on Services | | | | 1125 |
| | Contingencies @ 5% on Service cost | | | | 375 |
| | TOTAL ESTIMATE COST | | | | 301854 |

Cost data for Erection of 3 Ph 16KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|---|-------------|--------------------|-----------------|----------------------|
| 1 | 11 KV/433V 16KVA (AL) Conventional Transformer | 1 | 64300.01 | E | 64300.01 |
| | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting | | | | |
| 2 | 1No CI pipe and 2nos GI pipes)11 KV 200 Amps AB Switch (Tilting) polymer type insulators,stays and mounting arrangements. | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 1-feeder with 500V,100A fuse units | 1 | 5156.6 | E | 5156.6 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 122341 |
| | 15% stores overhead charges on items (1) to (7) | | 116341 | | 17451 |
| | 5 % Contingencies | | | | 6117 |
| | Services | LS | | | 15526 |
| | Works overhead @ 15% on Services | | | | 2329 |
| | Contingencies @ 5% on Service cost | | | | 776 |
| | TOTAL ESTIMATE COST | | | | 164541 |

Cost data for Erection of 3 Ph 25KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|---|------|-------------|----------|---------------|
| 1 | 11 KV/433V 25KVA (AL) Conventional Transformer | 1 | 71584.3 | E | 71584.3 |
| | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting | | | | |
| 2 | 1No CI pipe and 2nos GI pipes)11 KV 200 Amps AB Switch (Tilting) polymer type insulators,stays and mounting arrangements. | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 1-feeder with 500V,100A fuse units | 1 | 5156.6 | E | 5156.6 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 129626 |
| | 15% stores overhead charges on items (1) to (7) | | 123626 | | 18544 |
| | 5 % Contingencies | | | | 6481 |
| | Services | LS | | | 15659 |
| | Works overhead @ 15% on Services | | | | 2349 |
| | Contingencies @ 5% on Service cost | | | | 783 |
| | TOTAL ESTIMATE COST | | | | 173442 |

Cost data for Erection of 3 Ph 25KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|---|------|-------------|----------|---------------|
| 1 | 11 KV/433V 25KVA (AL) Conventional Transformer 5 star | 1 | 82252.88 | E | 82252.88 |
| | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting | | | | |
| 2 | 1No CI pipe and 2nos GI pipes)11 KV 200 Amps AB Switch (Tilting) polymer type insulators,stays and mounting arrangements. | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 1-feeder with 500V,100A fuse units | 1 | 5156.6 | E | 5156.6 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 140294 |
| | 15% stores overhead charges on items (1) to (7) | | 134294 | | 20144 |
| | 5 % Contingencies | | | | 7015 |
| | Services | LS | | | 15659 |
| | Works overhead @ 15% on Services | | | | 2349 |
| | Contingencies @ 5% on Service cost | | | | 783 |
| | TOTAL ESTIMATE COST | | | | 186244 |

Cost data for Erection of 3 Ph 40KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|---|-------------|--------------------|-----------------|----------------------|
| 1 | 11 KV/433V 40KVA (CU) Conventional Transformer | 1 | 168171.89 | E | 168171.89 |
| | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)11 KV 200 Amps AB Switch (Tilting) polymer type insulators, stays and mounting arrangements. | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 1-feeder with 500V,100A fuse units | 1 | 5156.6 | E | 5156.6 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 226213 |
| | 15% stores overhead charges on items (1) to (7) | | 220213 | | 33032 |
| | 5 % Contingencies | | | | 11311 |
| | Services | LS | | | 15816 |
| | Works overhead @ 15% on Services | | | | 2372 |
| | Contingencies @ 5% on Service cost | | | | 791 |
| | TOTAL ESTIMATE COST | | | | 289535 |

Cost data for Erection of 3 Ph 63KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|---|------|-------------|----------|---------------|
| 1 | 11 KV/433V 63KVA (AL) Conventional Transformer | 1 | 144549.33 | E | 144549.33 |
| 2 | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)11 KV 200 Amps AB Switch (Tilting) polymer type insulators, and stays. | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 2-feeder with 500V,100A fuse units | 2 | 5156.6 | E | 10313.2 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Plinth for DTR | 1 | 30400 | E | 30400 |
| 9 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 238147 |
| | 15% stores overhead charges on items (1) to (7) | | 232147 | | 34822 |
| | 5 % Contingencies | | | | 11907 |
| | Services | LS | | | 45590 |
| | Works overhead @ 15% on Services | | | | 6839 |
| | Contingencies @ 5% on Service cost | | | | 2280 |
| | TOTAL ESTIMATE COST | | | | 339585 |

Cost data for Erection of 3 Ph 100KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|---|------|-------------|----------|---------------|
| 1 | 11 KV/433V 100KVA (AL) Conventional Transformer 2 star rating | 1 | 164443.03 | E | 164443.03 |
| 2 | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)11 KV 200 Amps AB Switch (Tilting) polymer type insulators and stays | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 2-feeder with 500V,100A fuse units | 2 | 5156.6 | E | 10313.2 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Plinth for DTR | 1 | 30400 | | 30400 |
| 9 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 258041 |
| | 15% stores overhead charges on items (1) to (7) | | 252041 | | 37806 |
| | 5 % Contingencies | | | | 12902 |
| | Services | LS | | | 45784 |
| | Works overhead @ 15% on Services | | | | 6868 |
| | Contingencies @ 5% on Service cost | | | | 2289 |
| | TOTAL ESTIMATE COST | | | | 363690 |

Cost data for Erection of 3 Ph 100KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|---|------|-------------|----------|---------------|
| 1 | 11 KV/433V 100KVA (AL) Conventional Transformer 5 star rating | 1 | 208779.19 | E | 208779.19 |
| 2 | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)11 KV 200 Amps AB Switch (Tilting) polymer type insulators and stays | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 2-feeder with 500V,100A fuse units | 2 | 5156.6 | E | 10313.2 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Plinth for DTR | 1 | 30400 | | 30400 |
| 9 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 302377 |
| | 15% stores overhead charges on items (1) to (7) | | 296377 | | 44457 |
| | 5 % Contingencies | | | | 15119 |
| | Services | LS | | | 45784 |
| | Works overhead @ 15% on Services | | | | 6868 |
| | Contingencies @ 5% on Service cost | | | | 2289 |
| | TOTAL ESTIMATE COST | | | | 416893 |

Cost data for Erection of 3 Ph 160KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|--|------|-------------|----------|---------------|
| 1 | 11 KV/433V 160KVA (AL) Conventional Transformer | 1 | 256870.86 | E | 256870.86 |
| 2 | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)11 KV 200 Amps AB Switch (Tilting) polymer type insulators and stays. | 1 | 266039.57 | E | 266039.57 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 2-feeder with 500V,100A fuse units | 2 | 5156.6 | E | 10313.2 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Plinth for DTR | 1 | 30400 | | 30400 |
| 9 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 590464 |
| | 15% stores overhead charges on items (1) to (7) | | 584464 | | 87670 |
| | 5 % Contingencies | | | | 29523 |
| | Services | LS | | | 46267 |
| | Works overhead @ 15% on Services | | | | 6940 |
| | Contingencies @ 5% on Service cost | | | | 2313 |
| | TOTAL ESTIMATE COST | | | | 763177 |

Cost data for Erection of 3 Ph 250KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|--|------|-------------|----------|---------------|
| 1 | 11 KV/433V 250KVA (Cu) Conventional Transformer | 1 | 612961.47 | E | 612961.47 |
| 2 | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)11 KV 200 Amps AB Switch (Tilting) polymer type insulators and stays. | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(25sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 2-feeder with 500V,100A fuse units | 2 | 5156.6 | E | 10313.2 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Plinth for DTR | 1 | 30400 | | 30400 |
| 9 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 706559 |
| | 15% stores overhead charges on items (1) to (7) | | 700559 | | 105084 |
| | 5 % Contingencies | | | | 35328 |
| | Services | LS | | | 20000 |
| | Works overhead @ 15% on Services | | | | 3000 |
| | Contingencies @ 5% on Service cost | | | | 1000 |
| | TOTAL ESTIMATE COST | | | | 870971 |

Cost data for Erection of 3 Ph 315KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|--|------|-------------|----------|----------------|
| 1 | 11 KV/433V 315KVA (Cu) Conventional Transformer | 1 | 796467.95 | E | 796467.95 |
| 2 | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)11 KV 200 Amps AB Switch (Tilting) polymer type insulators and stays. | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(90sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 3-feeder with 500V,100A fuse units | 3 | 5156.6 | E | 15469.8 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Plinth for DTR | 1 | 30400 | | 30400 |
| 9 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 895223 |
| | 15% stores overhead charges on items (1) to (7) | | 889223 | | 133383 |
| | 5 % Contingencies | | | | 44761 |
| | Services | LS | | | 48336 |
| | Works overhead @ 15% on Services | | | | 7250 |
| | Contingencies @ 5% on Service cost | | | | 2417 |
| | TOTAL ESTIMATE COST | | | | 1131370 |

Cost data for Erection of 3 Ph 500KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|----------------|--|-------------|--------------------|-----------------|----------------------|
| 1 | 11 KV/433V 500KVA (Cu) Conventional Transformer | 1 | 1077332.7 | E | 1077332.7 |
| 2 | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)11 KV 400 Amps AB Switch (Tilting) polymer type insulators and stays. | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(90sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 3-feeder with 500V,100A fuse units | 3 | 5156.6 | E | 15469.8 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Plinth for DTR | 1 | 40000 | | 40000 |
| 9 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 1185687 |
| | 15% stores overhead charges on items (1) to (7) | | 1179687 | | 176953 |
| | 5 % Contingencies | | | | 59284 |
| | Services | LS | | | 22000 |
| | Works overhead @ 15% on Services | | | | 3300 |
| | Contingencies @ 5% on Service cost | | | | 1100 |
| | TOTAL ESTIMATE COST | | | | 1448325 |

Cost data for Erection of 3 Ph 1000KVA DTR

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---------|--|------|-------------|----------|----------------|
| 1 | 11 KV/433V 1000KVA (Cu) Conventional Transformer | 1 | 1702422.2 | E | 1702422.2 |
| 2 | Single Pole.Structure with 9.1Mtr PSCC Pole (Including Earthing with 4mm GI wire duly erecting 1No CI pipe and 2nos GI pipes)11 KV 400 Amps AB Switch (Tilting) polymer type insulators and stays. | 1 | 26044.69 | E | 26044.69 |
| 3 | Erection of 11 KV H.G. Fuse set | 1 | 3304 | E | 3304 |
| 4 | LT Metering arrangements with CTs including cable(90sq.mm. Single Core XLPE) connections and cleat arrangement | 1 | 10744 | E | 10744 |
| 5 | AMR Unit | 1 | 3322.88 | E | 3322.88 |
| 6 | Installation of A type distribuion box of 3-feeder with 500V,100A fuse units | 3 | 5156.6 | E | 15469.8 |
| 7 | Installation of HT Lightening Arrestors | 3 | 1156.4 | E | 3469.2 |
| 8 | Plinth for DTR | 1 | 60000 | | 60000 |
| 9 | Misc. Items(Danger boards,Bolts &Nuts,Concreting etc.) | LS | | 1 | 6000 |
| | TOTAL | | | | 1830777 |
| | 15% stores overhead charges on items (1) to (7) | | 1824777 | | 273717 |
| | 5 % Contingencies | | | | 91539 |
| | Services | LS | | | 25000 |
| | Works overhead @ 15% on Services | | | | 3750 |
| | Contingencies @ 5% on Service cost | | | | 1250 |
| | TOTAL ESTIMATE COST | | | | 2226032 |

Fixing of 1 Ph Electronic Meter

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---|--|------|----------------|-------------|------------------|
| 1 | LT 1 phase Electronic Meter 5-30A | 1 | 790 | E | 790 |
| 2 | 1 phase 15A M.C.B./Fuse Unit | 1 | 1,268 | E | 1268 |
| 3 | Light sensitive switch | 1 | 400 | E | 400 |
| 4 | P.V.C. Cable 4 Sq.mm Single Core | 15 | 24 | Mtr | 360 |
| 5 | P.V.C. Pipe 25mm P.V.C. Bends 25mm Moulded Distribution Box | 2 | 40 | E | 80 |
| 6 | Wooden, plugs, clamps, bolts,nuts link clips etc | LS | 100 | LS | 100 |
| TOTAL | | | | | 2998 |
| 15% stores overhead charges on items (1) to (11) | | | 2898 | | 435 |
| 5 % Contingencies | | | | | 150 |
| Services | | | | | 200 |
| Works overhead @ 15% on Services | | | | | 30 |
| Contingencies @ 5% on Service cost | | | | | 10 |
| TOTAL ESTIMATE COST | | | | | 3823 |

Fixing of 1 Ph Electronic Meter

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---|--|------|----------------|-------------|------------------|
| 1 | LT 1 phase Electronic Meter 5-40A | 1 | 1230 | E | 1230 |
| 2 | 1 phase 15A M.C.B./Fuse Unit | 1 | 1,268 | E | 1268 |
| 3 | Light sensitive switch | 1 | 400 | E | 400 |
| 4 | P.V.C. Cable 4 Sq.mm Single Core | 15 | 24 | Mtr | 360 |
| 5 | P.V.C. Pipe 25mm P.V.C. Bends 25mm Moulded Distribution Box | 2 | 40 | E | 80 |
| 6 | Wooden, plugs, clamps, bolts,nuts link clips etc | LS | 100 | LS | 100 |
| TOTAL | | | | | 3438 |
| 15% stores overhead charges on items (1) to (11) | | | 3338 | | 501 |
| 5 % Contingencies | | | | | 172 |
| Services | | | | | 200 |
| Works overhead @ 15% on Services | | | | | 30 |
| Contingencies @ 5% on Service cost | | | | | 10 |
| TOTAL ESTIMATE COST | | | | | 4351 |

Fixing of 3 Ph Electronic Meter

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---|--|------|----------------|-------------|------------------|
| 1 | LT 3 phase Electronic Meter 5-40A | 1 | 2268.06 | E | 2268.06 |
| 2 | 3 phase 40A M.C.B./Fuse Unit | 1 | 1,868 | E | 1868 |
| 3 | Light sensitive switch | 1 | 400 | E | 400 |
| 4 | P.V.C. Cable 4 Sq.mm Single Core | 15 | 48 | Mtr | 720 |
| 5 | P.V.C. Pipe 25mm P.V.C. Bends 25mm Moulded Distribution Box | LS | 200 | E | 200 |
| 6 | Wooden, plugs, clamps, bolts,nuts link clips etc | LS | 100 | LS | 100 |
| TOTAL | | | | | 5556 |
| 15% stores overhead charges on items (1) to (11) | | | 5456 | | 818 |
| 5 % Contingencies | | | | | 278 |
| Services | | | | | 800 |
| Works overhead @ 15% on Services | | | | | 120 |
| Contingencies @ 5% on Service cost | | | | | 40 |
| TOTAL ESTIMATE COST | | | | | 7612 |

Fixing of 3 Ph class 0.5 CT Operated Electronic Meter

| Sl. No. | Particulars | Qty. | Rate in Rs. | Per Unit | Amount in Rs. |
|---|--|------|----------------|-------------|------------------|
| 1 | LT 3 phase class 0.5 Accuracy CT Operated meter | 1 | 9270 | E | 9270 |
| 2 | GI Wire No. 8 | 2 | 71 | KG | 142 |
| 3 | Light sensitive switch | 1 | 400 | E | 400 |
| 4 | P.V.C. Cable 4 Sq.mm Single Core | 15 | 55.62 | Mtr | 834.3 |
| 5 | P.V.C. Pipe 25mm P.V.C. Bends 25mm Moulded Distribution Box | LS | 400 | E | 200 |
| 6 | Wooden, plugs, clamps, bolts,nuts link clips etc | LS | 200 | LS | 100 |
| TOTAL | | | | | 10946 |
| 15% stores overhead charges on items (1) to (11) | | | 10846 | | 1627 |
| 5 % Contingencies | | | | | 547 |
| Services | | | | | 800 |
| Works overhead @ 15% on Services | | | | | 120 |
| Contingencies @ 5% on Service cost | | | | | 40 |
| TOTAL ESTIMATE COST | | | | | 14081 |

**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) Mobile Phone | LS | | LS | 0.050 |
| 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 | 1.200 |
| 7 | | Structural Steel | 15 | 0.637 | MT | 9.558 |
| 8 | | Transformers | | | | |
| | PTR00006 | a) 33/11 KV 5 MVA Power Transformer | 1 | 49.497 | Each | 49.497 |
| | DTC30149 | b) 11 kv /433 v 25 KVA Stn. Transformer | 1 | 0.980 | Each | 0.980 |
| 9 | | Circuit Breakers (including Trivector Meter) | | | | |
| | BRK10002 | a) 11 kv Feeder VCB with CTs & Control panel (NF=3) | 3 | 5.886 | Each | 17.658 |
| | BRK10004 | b) 11 kv LV VCB with CTs & Control panel | 1 | 8.207 | Each | 8.207 |
| 10 | | Control Circuit panels | | | | |
| | OTH00057 | a) AC distribution Panel | 1 | 0.295 | Each | 0.295 |
| | OTH00126 | b) DC annunciation panel | 1 | 0.125 | Each | 0.125 |
| 11 | | Instrument Transformer | | | | |
| | ITR10020 | a) 11 KV P.T. 3 Phase | 1 | 0.195 | Each | 0.195 |

| Sl. No. | Particulars | Qty. | Rate (Rs. in lakhs) | Unit | Amount (Rs. in lakhs) |
|---------|---|-------|------------------------|------|--------------------------|
| 12 | Lightning Arrestors | | | | |
| | LAS00004 a) 33 KV 10KA | 6 | 0.0447 | Each | 0.268 |
| | LAS00001 b) 11 KV Line Type (NF=3) | 9 | 0.00749 | Each | 0.067 |
| | LAS00002 c) 11 KV Station Type 10 KA | 3 | 0.01156 | Each | 0.035 |
| 13 | Isolating Switches | | | | |
| | ABS30010 a) 33 KV 800 A AB Switch | 3 | 0.3362 | Each | 1.009 |
| | ABS10015 b) 11 KV 800 A AB Switch (NT x 1+1) | 4 | 0.240 | Each | 0.960 |
| | ABS10008 c) 11 KV 400 A AB Switch (NF x 2+2) | 6 | 0.100 | Each | 0.599 |
| | HGF30000 d) 33 KV Horn Gap Fuse Set (1 x NT) | 1 | 0.095 | Set | 0.095 |
| 14 | CPT10013 2 MVAR 11 kv Capacitor Bank along with Associated Equipment | 1.000 | 15.750 | Each | 15.750 |
| 15 | BAT00029 24 V 40 AH battery set including battery charger | 5.000 | 0.171 | Each | 0.855 |
| 16 | Earthing of Power Transformer, VCBs, AB Switches, Structures with 75 x 8 mm G.I. Flat | | | LS | 4.050 |
| | SUB TOTAL | | | | 148.053 |
| | 15% Store over head charges | | | | 20.558 |
| | 5% Contingencies on Materials | | | | 7.403 |
| | Erection, Transport and commissioning charges on items No. 7 to 15 | | | | 10.079 |
| | 15%work over headas charges on labour | | | | 1.512 |
| | 5% contengencies on labour | | | | 0.005 |
| | TOTAL | | | | 187.610 |
| | Or say (Rs.lakhs) | | | | 187.610 |

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) Mobile Phone | LS | | LS | 0.050 |
| 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 | 1.200 |
| 7 | | Structural Steel | 14 | 0.637 | MT | 8.921 |
| 8 | | Transformers | | | | |
| | PTR00006 | a) 33/11 KV 5 MVA Power Transformer | 1 | 49.497 | Each | 49.497 |
| | DTC30001 | b) 11 kv /433 v 16 KVA Stn. Transformer | 1 | 0.980 | Each | 0.980 |
| 9 | | Circuit Breakers (including Trivector Meter) | | | | |
| | BRK10002 | a) 11 kv Feeder VCB with CTs & Control panel (NF=2) | 2 | 5.886 | Each | 11.772 |
| | BRK10004 | b) 11 kv LV VCB with CTs & Control panel | 1 | 8.207 | Each | 8.207 |
| 10 | | Control Circuit panels | | | | |
| | OTH00057 | a) AC distribution Panel | 1 | 0.295 | Each | 0.295 |
| | OTH00126 | b) DC annunciation panel | 1 | 0.125 | Each | 0.125 |
| 11 | | Instrument Transformer | | | | |
| | ITR10020 | a) 11 KV P.T. 3 Phase | 1 | 0.195 | Each | 0.195 |

| Sl. No. | Particulars | Qty. | Rate (Rs. in lakhs) | Unit | Amount (Rs. in lakhs) |
|---------|---|------|------------------------|------|--------------------------|
| 12 | Lightning Arrestors | | | | |
| | LAS00004 a) 33 KV 10KA | 6 | 0.0447 | Each | 0.268 |
| | LAS00001 b) 11 KV Line Type (NF=3) | 6 | 0.00749 | Each | 0.045 |
| | LAS00002 c) 11 KV Station Type 10 KA | 3 | 0.01156 | Each | 0.035 |
| 13 | Isolating Switches | | | | |
| | ABS30010 a) 33 KV 800 A AB Switch | 3 | 0.3362 | Each | 1.009 |
| | ABS10015 b) 11 KV 800 A AB Switch (NT x 1+1) | 3 | 0.240 | Each | 0.720 |
| | ABS10008 c) 11 KV 400 A AB Switch (NF x 2+2) | 4 | 0.100 | Each | 0.400 |
| | HGF30000 d) 33 KV Horn Gap Fuse Set (1 x NT) | 1 | 0.095 | Set | 0.095 |
| 14 | BAT00029 24 V 40 AH battery set including battery charger | 2 | 0.171 | Each | 0.342 |
| 15 | Earthing of Power Transformer, VCBs, AB Switches, Structures with 75 x 8 mm G.I. Flat | | | LS | 2.050 |
| | SUB TOTAL | | | | 122.804 |
| | 15% Store over head charges | | | | 16.771 |
| | 5% Contingencies on Materials | | | | 6.140 |
| | Erection, Transport and commissioning charges on items No. 7 to 15 | | | | 8.449 |
| | 15%work over headas charges on labour | | | | 1.267 |
| | 5% contengencies on labour | | | | 0.004 |
| | TOTAL | | | | 155.436 |
| | Or say (Rs.lakhs) | | | | 155.440 |

Note : NF=No. of 11 KV Feeders, The number of outgoing feeders at substation limited to the demand in MVA

**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) Mobile Phone | LS | | LS | 0.050 |
| 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 | 0.637 | MT | 9.558 |
| 8 | | Transformers | | | | |
| | PTR00006 | a) 33/11 KV 5 MVA Power Transformer | 1 | 49.497 | Each | 49.497 |
| | DTC30001 | b) 11 kv /433 v 16 KVA Stn. Transformer | 1 | 0.980 | Each | 0.980 |
| 9 | | Circuit Breakers (including Trivector Meter) | | | | |
| | BRK10002 | a) 11 kv Feeder VCB with CTs & Control panel (NF=3) | 3 | 5.886 | Each | 17.658 |
| | BRK10004 | b) 11 kv LV VCB with CTs & Control panel | 1 | 8.207 | Each | 8.207 |
| 10 | | Control Circuit panels | | | | |
| | OTH00057 | a) AC distribution Panel | 1 | 0.295 | Each | 0.295 |
| | OTH00126 | b) DC annunciation panel | 1 | 0.125 | Each | 0.125 |
| 11 | | Instrument Transformer | | | | |
| | ITR10020 | a) 11 KV P.T. 3 Phase | 1 | 0.195 | Each | 0.195 |

| Sl. No. | Particulars | Qty. | Rate (Rs. in lakhs) | Unit | Amount (Rs. in lakhs) |
|---------|---|------|------------------------|------|--------------------------|
| 12 | Lightning Arrestors | | | | |
| | LAS00004 a) 33 KV 10KA | 6 | 0.0447 | Each | 0.268 |
| | LAS00001 b) 11 KV Line Type (NF=3) | 9 | 0.00749 | Each | 0.067 |
| | LAS00002 c) 11 KV Station Type 10 KA | 3 | 0.01156 | Each | 0.035 |
| 13 | Isolating Switches | | | | |
| | ABS30010 a) 33 KV 800 A AB Switch | 3 | 0.3362 | Each | 1.009 |
| | ABS10015 b) 11 KV 800 A AB Switch (NT x 1+1) | 2 | 0.240 | Each | 0.480 |
| | ABS10008 c) 11 KV 400 A AB Switch (NF x 2+2) | 8 | 0.100 | Each | 0.799 |
| | HGF30000 d) 33 KV Horn Gap Fuse Set (1 x NT) | 1 | 0.095 | Set | 0.095 |
| 14 | BAT00029 24 V 40 AH battery set including battery charger | 2 | 0.171 | Each | 0.342 |
| 15 | Earthing of Power Transformer, VCBs, AB Switches, Structures with 75 x 8 mm G.I. Flat | | | LS | 2.050 |
| | SUB TOTAL | | | | 129.210 |
| | 15% Store over head charges | | | | 17.731 |
| | 5% Contingencies on Materials | | | | 6.460 |
| | Erection, Transport and commissioning charges on items No. 7 to 15 | | | | 8.842 |
| | 15%work over headas charges on labour | | | | 1.326 |
| | 5% contengencies on labour | | | | 0.004 |
| | TOTAL | | | | 163.574 |
| | Or say (Rs.lakhs) | | | | 163.570 |

Note : NF=No. of 11 KV Feeders, The number of outgoing feeders at substation limited to the demand in MVA

**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 | 16 | 0.637 | MT | 10.195 |
| 8 | | Transformers | | | | |
| | PTR00006 | a) 33/11 KV 5 MVA Power Transformer | 1 | 49.497 | Each | 49.497 |
| | DTC30001 | b) 11 kv /433 v 16 KVA Stn. Transformer | 1 | 0.980 | Each | 0.980 |
| 9 | | Circuit Breakers (including Trivector Meter) | | | | |
| | BRK10002 | a) 11 kv Feeder VCB with CTs & Control panel (NF=4) | 4 | 5.886 | Each | 23.544 |
| | BRK10004 | b) 11 kv LV VCB with CTs & Control panel | 1 | 8.207 | Each | 8.207 |
| 10 | | Control Circuit panels | | | | |
| | OTH00057 | a) AC distribution Panel | 1 | 0.295 | Each | 0.295 |
| | OTH00126 | b) DC annunciation panel | 1 | 0.125 | Each | 0.125 |
| 11 | | Instrument Transformer | | | | |
| | ITR10020 | a) 11 KV P.T. 3 Phase | 1 | 0.195 | Each | 0.195 |

| Sl. No. | Particulars | Qty. | Rate (Rs. in lakhs) | Unit | Amount (Rs. in lakhs) |
|---------|---|------|------------------------|------|--------------------------|
| 12 | Lightning Arrestors | | | | |
| | LAS00004 a) 33 KV 10KA | 6 | 0.0447 | Each | 0.268 |
| | LAS00001 b) 11 KV Line Type (NF=4) | 12 | 0.00749 | Each | 0.090 |
| | LAS00002 c) 11 KV Station Type 10 KA | 3 | 0.01156 | Each | 0.035 |
| 13 | Isolating Switches | | | | |
| | ABS30010 a) 33 KV 800 A AB Switch | 3 | 0.3361 | Each | 1.008 |
| | ABS10015 b) 11 KV 800 A AB Switch (NT x 1+1) | 2 | 0.240 | Each | 0.480 |
| | ABS10008 c) 11 KV 400 A AB Switch (NF x 4+4) | 8 | 0.145 | Each | 1.162 |
| | HGF30000 d) 33 KV Horn Gap Fuse Set (1 x NT) | 1 | 0.072 | Set | 0.072 |
| 14 | BAT00029 24 V 40 AH battery set including battery charger | 5 | 0.171 | Each | 0.855 |
| 15 | Earthing of Power Transformer, VCBs, AB Switches, Structures with 75 x 8 mm G.I. Flat | | | LS | 4.050 |
| | SUB TOTAL | | | | 138.678 |
| | 15% Store over head charges | | | | 19.152 |
| | 5% Contingencies on Materials | | | | 6.934 |
| | Erection, Transport and commissioning charges on items No. 7 to 15 | | | | 9.237 |
| | 15%work over headas charges on labour | | | | 1.386 |
| | 5% contengencies on labour | | | | 0.005 |
| | TOTAL | | | | 175.390 |
| | Or say (Rs.lakhs) | | | | 175.390 |

Note : NF=No. of 11 KV Feeders, The number of outgoing feeders at substation limited to the demand in MVA

Cost data for erection of 12.5MVA additional PTR with 33KV Bay extension
in existing 33/11KV Sub-Station.

| S.No. | Particulars | Qty. | Rate | Per. | Amount |
|-------|--|------|-------------|------|-----------------|
| 1 | 150 x 150Sq.mm RS Joists | 0.8 | 75000 | MT | 60000 |
| 2 | 100 x 50Sq.mm Channel | 0.5 | 85400 | MT | 42700 |
| 3 | MS Flat 75 x 8mm | 0.4 | 81540 | MT | 32616 |
| 4 | AB Switch 800Amps conventional type | 1 | 47760 | Each | 47760 |
| 5 | 200Sq.mm ACSR Conductor (Panther conductor) | 0.05 | 250000 | Km | 12500 |
| 6 | 33KV Strain Insulators(Polymer) | 6 | 650 | Each | 3900 |
| 7 | 33KV Metal Parts | 6 | 350 | Each | 2100 |
| 8 | 33/11KV 12.5MVA PTR | 1 | 1,04,00,387 | Each | 10400387 |
| 9 | 33KV 3-Ph HG Fuse Set | 1 | 9534 | Each | 9534 |
| 10 | CI Earth pipes | 4 | 3500 | Each | 14000 |
| 11 | 11 KV LV VCB with CRP and CTs | 1 | 357810 | Each | 357810 |
| 12 | 33 KV LV VCB with CRP and CTs | 1 | 4,67,206 | Each | 467206 |
| 13 | Earthing arrangements (20mts length with 75 x 8 MS flat) | LS | | | 12600 |
| 14 | Miscellaneous items like fabrication of channels & Pad clamps & T Clamps etc., | LS | | | 12000 |
| 15 | Plinth for PTR and VCBs | LS | | | 177667 |
| | TOTAL | | | | 11652780 |
| | 15% stores overhead charges on items (1) to (12) | | 11450513 | | 1717577 |
| | 5 % Contingencies | | | | 582639 |
| | Services | LS | | | 120000 |
| | Works overhead @ 15% on Services | | | | 18000 |
| | Contingencies @ 5% on Service cost | | | | 6000 |
| | TOTAL ESTIMATE COST | | | | 14096996 |

**Cost data for erection of 10.0MVA additional PTR with 33KV Bay extension
in existing 33/11KV Sub-Station.**

| S.No. | Particulars | Qty. | Rate | Per. | Amount |
|--------------|--|-------------|-------------|-------------|-----------------|
| 1 | 150 x 150Sq.mm RS Joists | 0.8 | 75000 | MT | 60000 |
| 2 | 100 x 50Sq.mm Channel | 0.5 | 85400 | MT | 42700 |
| 3 | MS Flat 75 x 8mm | 0.4 | 81120 | MT | 32448 |
| 4 | AB Switch 800Amps conventional type | 1 | 47760 | Each | 47760 |
| 5 | 200Sq.mm ACSR Conductor (Panther conductor) | 0.05 | 242590 | Km | 12130 |
| 6 | 33KV Disc Insulators | 6 | 470 | Each | 2818 |
| 7 | 33KV Metal Parts | 6 | 350 | Each | 2100 |
| 8 | 33/11KV 10.0MVA PTR | 1 | 11968091 | Each | 11968091 |
| 9 | 33KV 3-Ph HG Fuse Set | 1 | 9534 | Each | 9534 |
| 10 | CI Earth pipes | 4 | 3500 | Each | 14000 |
| 11 | 11 KV LV VCB with CRP and CTs | 1 | 357810 | Each | 357810 |
| 12 | 33 KV LV VCB with CRP and CTs | 1 | 467206 | Each | 467206 |
| 13 | Earthing arrangements (20mts length with 75 x 8 MS flat) | LS | | | 12600 |
| 14 | Miscellaneous items like fabrication of channels & Pad clamps & T Clamps etc., | LS | | | 12000 |
| 15 | Plinth for PTR and VCBs | LS | | | 177667 |
| | TOTAL | | | | 13218863 |
| | 15% stores overhead charges on items (1) to (12) | | 13016596 | | 1952489 |
| | 5 % Contingencies | | | | 660943 |
| | Services | LS | | | 120000 |
| | Works overhead @ 15% on Services | | | | 18000 |
| | Contingencies @ 5% on Service cost | | | | 6000 |
| | TOTAL ESTIMATE COST | | | | 15976296 |

**Cost data for erection of 8.0MVA additional PTR with 33KV Bay extension
in existing 33/11KV Sub-Station.**

| S.No. | Particulars | Qty. | Rate | Per. | Amount |
|-------|--|------|---------|------|----------------|
| 1 | 150 x 150Sq.mm RS Joists | 0.8 | 75000 | MT | 60000 |
| 2 | 100 x 50Sq.mm Channel | 0.5 | 85400 | MT | 42700 |
| 3 | MS Flat 75 x 8mm | 0.4 | 81120 | MT | 32448 |
| 4 | AB Switch 800Amps conventional type | 1 | 47760 | Each | 47760 |
| 5 | 200Sq.mm ACSR Conductor (Panther conductor) | 0.05 | 242590 | Km | 12130 |
| 6 | 33KV Disc Insulators | 6 | 470 | Each | 2818 |
| 7 | 33KV Metal Parts | 6 | 350 | Each | 2100 |
| 8 | 33/11KV 8.0MVA PTR | 1 | 6477092 | Each | 6477092 |
| 9 | 33KV 3-Ph HG Fuse Set | 1 | 9534 | Each | 9534 |
| 10 | CI Earth pipes | 4 | 3500 | Each | 14000 |
| 11 | 11 KV LV VCB with CRP and CTs | 1 | 357810 | Each | 357810 |
| 12 | 33 KV LV VCB with CRP and CTs | 1 | 467206 | Each | 467206 |
| 13 | Earthing arrangements (20mts length with 75 x 8 MS flat) | LS | | | 12600 |
| 14 | Miscellaneous items like fabrication of channels & Pad clamps & T Clamps etc., | LS | | | 12000 |
| 15 | Plinth for PTR and VCBs | LS | | | 177667 |
| | TOTAL | | | | 7727864 |
| | 15% stores overhead charges on items (1) to (12) | | 7525597 | | 1128840 |
| | 5 % Contingencies | | | | 386393 |
| | Services | LS | | | 120000 |
| | Works overhead @ 15% on Services | | | | 18000 |
| | Contingencies @ 5% on Service cost | | | | 6000 |
| | TOTAL ESTIMATE COST | | | | 9387097 |

Cost data for erection of 5.0MVA additional PTR with 33KV Bay extension

| S.No. | Particulars | Qty. | Rate | Per. | Amount |
|--------------|--|-------------|-------------|-------------|----------------|
| 1 | 150 x 150Sq.mm RS Joists | 0.8 | 75000 | MT | 60000 |
| 2 | 100 x 50Sq.mm Channel | 0.5 | 85400 | MT | 42700 |
| 3 | MS Flat 75 x 8mm | 0.4 | 81120 | MT | 32448 |
| 4 | AB Switch 800Amps conventional type | 1 | 47760 | Each | 47760 |
| 5 | 200Sq.mm ACSR Conductor (Panther conductor) | 0.05 | 242590 | Km | 12130 |
| 6 | 33KV Disc Insulators | 6 | 470 | Each | 2818 |
| 7 | 33KV Metal Parts | 6 | 350 | Each | 2100 |
| 8 | 33/11KV 5.0MVA PTR | 1 | 4949761 | Each | 4949761 |
| 9 | 33KV 3-Ph HG Fuse Set | 1 | 9534 | Each | 9534 |
| 10 | CI Earth pipes | 4 | 3500 | Each | 14000 |
| 11 | 11 KV LV VCB with CRP and CTs | 1 | 357810 | Each | 357810 |
| 12 | 33 KV LV VCB with CRP and CTs | 1 | 467206 | Each | 467206 |
| 13 | Earthing arrangements (20mts length with 75 x 8 MS flat) | LS | | | 12600 |
| 14 | Miscellaneous items like fabrication of channels & Pad clamps & T Clamps etc., | LS | | | 12000 |
| 15 | Plinth for PTR and VCBs | LS | | | 177667 |
| | TOTAL | | | | 6200533 |
| | 15% stores overhead charges on items (1) to (12) | | 5998266 | | 899740 |
| | 5 % Contingencies | | | | 310027 |
| | Services | LS | | | 120000 |
| | Works overhead @ 15% on Services | | | | 18000 |
| | Contingencies @ 5% on Service cost | | | | 6000 |
| | TOTAL ESTIMATE COST | | | | 7554299 |