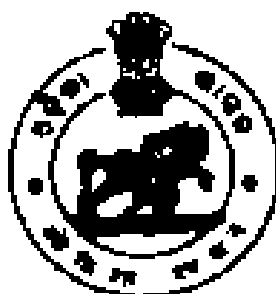


WORKS DEPARTMENT



GOVERNMENT OF ORISSA

ANALYSIS OF RATES

ELECTRICAL

INTERNAL

2010

ANALYSIS OF RATES FOR ELECTRICAL WORK

PREPARED

UNDER THE GUIDANCE

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WORKS DEPARTMENT
GOVERNMENT OF ORISSA

PREFACE

The schedule of rates for internal Electrical Installation work is very much essential in the execution of Internal Electrical work in Government Buildings (both residential and non-residential). The schedule of rate was last published in 2001. The wages of labour and price of materials have substantially increased, since then. Due to day to day meet in increase number of different buildings of various department and to meet the expenses for E.I. work on the said building the present rate of labour (as per labour department notification No. LI-I-(AR) 08/09 6772/LE dated 13.07.2009 and materials component has been adopted in the schedule of rate. The coefficient of labour and materials has been modified considering the technological development and use of latest tools and plants and availability of high skilled labour. The schedule of rates has accordingly been now revised to take care not only the increase cost (materials & labour) but also the technological changes and improvement since the last revision. Moreover new materials are included which are absolutely necessary during execution of electrical installations.

The rate analysis has been prepared as per the present average market price of the reputed manufacturers.

Superintending Engineer

Electrical Circle (R&B) Orissa, Bhubaneswar

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BASIC RATES OF LABOUR

Code No	Description	Unit	Quantity	Rate in Rs
1001	Wire Man (High Skilled)	Day	1	129.00
1002	Wireman / Mason / Fitter (Skilled)	Day	1	116.00
1003	Wire man / Painter (Semi Skilled)	Day	1	103.00
1004	Helper (Un-Skilled)	Day	1	90.00

BASIC RATES FOR MATERIALS PVC INSULATED ALUMINUM CONDUCTOR

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1	1.5 sq mm PVC insulated single core Aluminum wire (sheathed) working voltage up to 1100 Volts confirming to IS 694/1990	Mtr	100	311.00
2	2.5 sq mm PVC insulated single core Aluminum wire (sheathed) working voltage up to 1100 Volts confirming to IS 694/1990	Mtr	100	437.00
3	4.0 sq mm PVC insulated single core Aluminum wire (sheathed) working voltage up to 1100 Volts confirming to IS 694/1990	Mtr	100	589.00
4	6.0 sq mm PVC insulated single core Aluminum wire (sheathed) working voltage up to 1100 Volts confirming to IS 694/1990	Mtr	100	800.00
5	10.0 sq mm PVC insulated single core Aluminum wire (sheathed) working voltage up to 1100 Volts confirming to IS 694/1990	Mtr	100	1,190.00
6	1.5 sq mm PVC insulated Aluminum black twin flat cable working voltage suitable up to 1100 volt	Mtr	100	489.00
7	2.5 sq mm PVC insulated Aluminum black twin flat cable working voltage suitable up to 1100 volt	Mtr	100	640.00
8	4.0 sq mm PVC insulated Aluminum black twin flat cable working voltage	Mtr	100	923.00
9	6.0 sq mm PVC insulated Aluminum black twin flat cable working voltage suitable up to 1100 volt	Mtr	100	1,204.00
10	8.0 sq mm PVC insulated Aluminum black twin flat cable working voltage suitable up to 1100 volt	Mtr	100	1,625.00
11	10.0 sq mm PVC insulated Aluminum black twin flat cable working voltage suitable up to 1100 volt	Mtr	100	2,135.00
12	16.0 sq mm PVC insulated Aluminum black twin flat cable working voltage suitable up to 1100 volt	Mtr	100	4,197.00

POWER CABLE

Code No	Description of Materials	Unit	Quantity	Rate in Rs
14	4 sq.mm 2 core PVC Armoured Cables ISI Marked	Mtr	1	83.00
15	6 sq.mm 2 core PVC Armoured Cables ISI Marked	Mtr	1	95.00
16	10 sq.mm 2 core PVC Armoured Cables ISI Marked	Mtr	1	115.00
17	16 sq.mm 2 core PVC Armoured Cables ISI Marked	Mtr	1	136.00
24	25 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	215.00
25	35 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	261.00
26	50 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	337.00
27	70 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	456.00
28	95 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	568.00
29	120 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	712.00
30	150 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	840.00
31	185 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	1,050.00
32	240 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	1,320.00
33	300 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	1,610.00
34	400 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	2,025.00
35	500 sq.mm 3 1/2 core PVC Armoured Cables ISI Marked	Mtr	1	2,600.00
36	4 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	105.00
37	6 Sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	128.00
38	10 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	160.00
39	16 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	174.00
40	25 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	235.00
41	35 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	295.00

Code No	Description of Materials	Unit	Quantity	Rate in Rs
42	50 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	378.00
43	70 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	515.00
44	95 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	650.00
45	120 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	793.00
46	150 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	960.00
47	185 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	1,190.00
48	300 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	1,850.00
49	400 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	2,328.00
50	500 sq.mm 4 core PVC Armoured Cables ISI Marked	Mtr	1	2,930.00

FR PVC INSULATED COPPER CONDUCTOR

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1101A	1.0 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	Mtr	90	905.00
1101	1.5 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	Mtr	90	1,004.00
1102	2.5 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	Mtr	90	1,681.00
1103	4.0 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	Mtr	90	2,524.00
1104	6.0 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	Mtr	90	3,607.00
1105	10 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	Mtr	100	6,969.00
1106	16 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	Mtr	100	10,416.00
1107	25 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	Mtr	100	16,500.00
1108	16/0.2 Sq mm twin core FR PVC insulated (seathed) flat flexible copper conductor	Mtr	100	401.00
1109	16/0.2 Sq mm twin circular, flexible PVC insulated (seathed) copper conductor	Mtr	100	500.00
1110	16/0.2 Sq mm twin twisted, flexible PVC insulated (seathed) copper conductor	Mtr	100	525.00
1111	1 pair 0.5 sq.mm copper conductor, FR PVC insulated unarmoured telephone cable	Mtr	1	5.50

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1112	2 pair 0.5 sq.mm copper conductor, FR PVC insulated unarmoured telephone cable	Mtr	1	3.90
1113	4 pair 0.5 sq.mm copper conductor, FR PVC insulated unarmoured telephone cable	Mtr	1	9.70
1114	TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated shielded with fine tined copper braid and protected with FR PVC sheath	Mtr	1	5.00

CONDUIT (STEEL & PVC) AND ACCESSORIES

1201	20 mm dia ISI marked steel conduit (1.6 mm thick)	Mtr	1	40.00
1202	25 mm dia ISI marked steel conduit (1.6 mm thick)	Mtr	1	48.00
1203	32 mm dia ISI marked steel conduit (1.6 mm thick)	Mtr	1	63.00
1204	40 mm dia ISI marked steel conduit (1.6 mm thick)	Mtr	1	81.00
1205	50 mm dia ISI marked steel conduit (1.6 mm thick)	Mtr	1	115.00
1206	20 mm inspection / solid bend (1.6 mm thick)	No	1	8.00
1207	25 mm inspection / solid bend (1.6 mm thick)	No	1	9.00
1208	32 mm inspection / solid bend (1.6 mm thick)	No	1	24.00
1209	40 mm inspection / solid bend (1.6 mm thick)	No	1	47.00
1210	50 mm inspection / solid bend (1.6 mm thick)	No	1	67.00
1211	20 mm sockets (1.6 mm thick)	No	1	3.00
1212	25 mm sockets (1.6 mm thick)	No	1	4.00
1213	32 mm sockets (1.6 mm thick)	No	1	5.00
1214	40 mm sockets (1.6 mm thick)	No	1	5.00
1215	50 mm sockets (1.6 mm thick)	No	1	12.00
1216	20 mm junction box, one way (1.6 mm thick)	No	1	12.00
1217	20 mm junction box, two way (1.6 mm thick)	No	1	12.00
1218	20 mm staples / saddles / screws	No	1	1.00
1219	25 mm staples / saddles / screws	No	1	1.30

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1220	32 mm staples / saddles / screws	No	1	2.00
1221	40 mm staples / saddles / screws	No	1	2.50
1222	50 mm staples / saddles / screws	No	1	3.50
1222-A	Nail / Screw	No	100	100.00
1223	Ebonite bush	No	1	6.00
1224	20 mm dia ISI marked PVC conduit (1.6 mm thick)	Mtr	1	11.40
1224-A	20mm dia PVC pipe flexible conduit 1.6 m thick	Kg	1	50.00
1225	25 mm dia ISI marked PVC conduit (1.6 mm thick)	Mtr	1	16.00
1225-A	25mm dia PVC pipe flexible conduit 1.6 m thick	Kg	1	50.00
1226	32 mm dia ISI marked PVC conduit (1.6 mm thick)	Mtr	1	22.25
1226-A	32mm dia PVC pipe flexible conduit 1.6 m thick	Kg	1	50.00
1227	40 mm dia ISI marked PVC conduit (1.6 mm thick)	Mtr	1	30.75
1227-A	40mm dia G.I. PVC flexible conduit 1.6 m thick	Kg	1	50.00
1228	50 mm dia ISI marked PVC conduit (1.6 mm thick)	Mtr	1	49.00
1228-A	32mm dia PVC pipe flexible conduit 1.6m thick	Kg	1	50.00
1229	20 mm PVC bend (1.6 mm thick)	No	1	2.60
1230	25 mm PVC bend (1.6 mm thick)	No	1	3.10
1231	32 mm PVC bend (1.6 mm thick)	No	1	7.25
1232	40 mm PVC bend (1.6 mm thick)	No	1	12.40
1233	50 mm PVC bend (1.6 mm thick)	No	1	18.60
1234	20 mm PVC coupler (1.6 mm thick)	No	1	2.05
1235	25 mm PVC coupler (1.6 mm thick)	No	1	2.90
1236	32 mm PVC coupler (1.6 mm thick)	No	1	4.15

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1237	40 mm PVC coupler (1.6 mm thick)	No	1	6.70
1238	50 mm PVC coupler (1.6 mm thick)	No	1	9.30
1239	20 mm PVC junction box, one way (1.6 mm thick)	No	1	7.75
1240	20 mm PVC junction box, two way (1.6 mm thick)	No	1	7.75
1241	20 mm M.S. clamps U clamps 2 1/2 size	No	1	5.50
1242	25 mm M.S. clamps U clamps 2 1/2 size	No	1	6.60
1243	75mm x 75mm x 50mm PVC box	No	1	10.00

METAL BOXES G.I. PIPE AND ACCESSORIES

1301	Modular G.I. box for 2 module 18 SWG	No	1	22.50
1302	Modular G.I. box for 4 module 18 SWG	No	1	29.50
1303	Modular G.I. box for 6 module 18 SWG	No	1	48.00
1304	Modular G.I. box for 8 module 18 SWG	No	1	54.00
1305	Modular G.I. box for 12 module 18 SWG	No	1	74.00
1306	75mm x 75mm x 60mm deep metal box 18 SWG	No	1	14.85
1307	100mm x 100mm x 60mm deep metal box 18 SWG	No	1	18.90
1308	150mm x 75mm x 60mm deep metal box 18 SWG	No	1	20.70
1309	150mm x 150mm x 60mm deep metal box 18 SWG	No	1	28.80
1310	180mm x 100mm x 60mm deep metal box 18 SWG	No	1	25.65
1311	200mm x 125mm x 60mm deep metal box 18 SWG	No	1	31.50
1312	200mm x 150mm x 60mm deep metal box 18 SWG	No	1	33.75
1313	200mm x 150mm x 75mm deep metal box 18 SWG	No	1	38.00
1314	200mm x 250mm x 75mm deep metal box 18 SWG	No	1	51.30
1315	200mm x 150mm x 100mm deep metal box 18 SWG	No	1	62.00

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1316	200mm x 250mm x 100mm deep metal box 18 SWG	No	1	71.00
1317	200mm x 300mm x 100mm deep metal box 18 SWG	No	1	72.00
1318	250mm x 300mm x 100mm deep metal box 18 SWG	No	1	81.00
1319	200mm x 250mm x 60mm deep metal box 18 SWG	No	1	50.00
1320	200mm x 300mm x 60mm deep metal box 18 SWG	No	1	70.00
1321	250mm x 300mm x 60mm deep metal box 18 SWG	No	1	75.00
1322	3mm thick phenolic laminated sheet ISI marked	Sq.inc h	1	0.70
1323	50mm x 50mm x 6mm iron angle	Kg	1	35.00
1324	35mm x 50mm x 6mm iron angle	Kg	1	35.00
1325	25mm x 25mm x 3mm iron angle	Kg	1	43.00
1326	25mm x 6mm iron flat	Kg	1	41.00
1327	25mm x 4mm iron flat	Kg	1	41.00
1328	20mm x 3mm iron flat	Kg	1	41.00
1329	1.6mm M.S sheet	Kg	1	41.00
1330	3mm M.S sheet	Kg	1	41.00
1331	15mm dia G.I. pipe medium class 1.6m thick	Mtr	1	65.00
1332	20mm dia G.I. pipe medium class 1.6m thick	Mtr	1	86.00
1333	25mm dia G.I. pipe medium class 1.6m thick	Mtr	1	121.00
1334	40mm dia G.I. pipe medium class 1.6m thick	Mtr	1	155.00
1335	15mm dia G.I. bend medium class 1.6m thick	No	1	16.00
1336	20mm dia G.I. bend medium class 1.6m thick	No	1	25.00
1337	25mm dia G.I. bend medium class 1.6m thick	No	1	38.00
1338	40mm dia G.I. bend medium class 1.6m thick	No	1	62.00

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1339	15mm dia G.I. pipe heavy class	Mtr	1	79.00
1340	20mm dia G.I. pipe heavy class	Mtr	1	93.00
ELECTRICAL FITTING AND ACCESSORIES				
1401	Ceiling rose, 3 plate, 5 amps ISI marked	No	1	16.00
1402	S.P. 5 / 6 amps, one way modular switch, ISI marked	No	1	89.00
1403	S.P. 5 / 6 amps, two way modular switch, ISI marked	No	1	104.00
1404	S.P.15 / 16 amps, one way modular switch, ISI marked	No	1	140.00
1405	3 pin 5 / 6 amps, modular socket outlet, ISI marked	No	1	95.00
1406	6 pin 15 / 16 amps, modular socket outlet, ISI marked	No	1	193.00
1407	Modular bell push ISI marked	No	1	118.00
1408	Stepped type modular fan regulator	No	1	280.00
1409	Telephone socket outlet modular type	No	1	95.00
1410	T.V. socket outlet modular type	No	1	95.00
1411	Modular blanking plate	No	1	22.00
1421	Modular base & cover for 1 module	No	1	78.00
1422	Modular base & cover for 2 module	No	1	115.00
1423	Modular base & cover for 4 module	No	1	160.00
1424	Modular base & cover for 6 module	No	1	206.00
1425	Modular base & cover for 8 module	No	1	246.00
1426	Modular base & cover for 12 module	No	1	350.00
1431	S.P. 5 / 6 amps, one way switch, piano type ISI marked	No	1	12.00
1432	S.P. 5 / 6 amps, two way switch, piano type ISI marked	No	1	14.00
1433	S.P. 15 / 16 amps, one way switch, piano type ISI marked	No	1	48.00

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1434	5 pin 5 / 6 amps, socket outlet, piano type ISI marked	No	1	23.00
1435	5 pin 15 / 16 amps, socket outlet, piano type ISI marked	No	1	50.00
1436	Bell push piano type ISI marked	No	1	12.00
1437	Telephone socket outlet piano type ISI marked	No	1	22.00
1438	T.V. socket outlet piano type ISI marked	No	1	18.00
1441	Pendant holder ISI marked (Bakelite / Brass)	No	1	14.00
1442	Batten / Angle holder ISI markd (Bakelite / Brass)	No	1	14.00
1443	Bracket holder 16mm ISI markd (Bakelite / Brass)	No	1	14.00
1444	Call bell / buzzer DC / AC single ISI marked	No	1	82.00
1445	Ball, socket and back plate ISI marked	No	1	15.00
1446	Back Plate	No	100	400.00
1447	Check nut 20mm	No	100	200.00
1448	Earth stud, nut, thimble , bolt etc	L.S.	1	5.00
1449	Al alloy cadmium plated iron screw 20 mm	No	100	50.00
1450	Brass nipple	No	100	60.00
1451	Iron Screw, 35 mm x 6 mm	No	100	40.00
1452	Iron Screw, 40 mm x 6 mm	No	100	45.00
1453	Iron Screw, 45 mm x 6 mm	No	100	50.00
1454	25 mm x 3 mm bolts & nuts	No	1	3.00
1455	32 mm x 8 mm bolts & nuts	No	1	4.00
1456	38 mm x 10 mm bolts & nuts	No	1	8.00
1461	Washer	No	100	20.00
1462	PVC sleeve	Mtr	100	500.00
1463	Sand & cement (4:1)	LS/Mtr	1	4.20

MAIN SWITCHES

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1501	32 amp ICDP main switch (HPL / L&T /C &S / SEIMENS / RK / ANCHOR / HAVELS)	No	1	803.00
1502	63 amp ICDP main switch (HPL / L&T /C &S / SEIMENS / RK / ANCHOR / HAVELS)	No	1	2,100.00
1503	16 amp, 415 V ICTPN main switch (HPL / L&T /C &S / SEIMENS / RK / ANCHOR / HAVELS)	No	1	895.00
1504	32 amp, 415 V ICTPN main switch (HPL / L&T /C &S / SEIMENS / RK / ANCHOR / HAVELS)	No	1	1,212.00
1505	63 amp, 415 V ICTPN main switch (HPL / L&T /C &S / SEIMENS / RK / ANCHOR / HAVELS)	No	1	2,640.00
1506	100 amp / 125 amp, 415 V ICTPN main switch (HPL / L&T /C &S / SEIMENS / RK / ANCHOR / HAVELS)	No	1	4,994.00
1507	160 amp / 200 amp, 415 V ICTPN main switch(HPL / L&T /C &S / SEIMENS / RK / ANCHOR / HAVELS)	No	1	8,320.00
1508	320 amp / 250 amp, 415 V ICTPN main switch (HPL / L&T /C &S / SEIMENS / RK / ANCHOR / HAVELS)	No	1	11,070.00
1509	400 amp, 415 V ICTPN main switch (HPL / L&T /C &S / SEIMENS / RK / ANCHOR / HAVELS)	No	1	15,570.00
1510	32 amp TPN main switch with HRC fuse	No	1	3,174.00
1511	63 amp TPN main switch with HRC fuse	No	1	3,927.00
1512	100 amp TPN main switch with HRC fuse	No	1	6,368.00
1513	125 amp TPN main switch with HRC fuse	No	1	7,328.00
1514	160 amp TPN main switch with HRC fuse	No	1	8,146.00
1515	200 amp TPN main switch with HRC fuse	No	1	9,063.00
1516	250 amp TPN main switch with HRC fuse	No	1	11,445.00
1517	315 amp TPN main switch with HRC fuse	No	1	13,663.00
1518	400 amp TPN main switch with HRC fuse	No	1	16,012.00
1519	630 amp TPN main switch with HRC fuse	No	1	24,675.00

SWITCH DISCONNECTOR, SFU AND MCCB

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1601	32 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	800.00
1602	63 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	1,695.00
1603	100 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	4,240.00
1604	125 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	4,500.00
1605	160 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	5,050.00
1606	200 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	5,952.00
1607	250 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	6,300.00
1608-A	320 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	8,540.00
1608-B	400 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	10,300.00
1608-C	630 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	12,950.00
1608-D	800 amp, TPN switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuse	No	1	16,450.00
1609	4 Pole MCCB, 100 A, 10KA	No	1	3,200.00
1610	4 Pole MCCB, 100 A, 16KA	No	1	3,395.00
1611	4 Pole MCCB, 125 A, 16KA	No	1	3,395.00
1612	4 Pole MCCB, 150 A, 16KA	No	1	5,630.00
1613	4 Pole MCCB, 200 A, 16KA	No	1	7,250.00
1614	4 Pole MCCB, 200 A, 25KA	No	1	7,525.00
1615	4 Pole MCCB, 250 A, 25KA	No	1	11,350.00
1616	4 Pole MCCB, 250 A, 35KA	No	1	15,650.00
1617	4 Pole MCCB, with adjustable thermal setting 315 A, 35KA	No	1	16,520.00
1618	4 Pole MCCB, with adjustable thermal setting 400 A, 35KA	No	1	16,520.00
1619	4 Pole MCCB, with adjustable thermal setting 500 A, 35KA	No	1	16,520.00

MCBs, MCB DBs, RCCBs

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1701	6 amp to 32 amp rating SP MCB, "B" series, 10 KA breaking capacity	No	1	104.00
1702	6 amp to 32 amp rating SPN MCB, "B" series, 10 KA breaking capacity	No	1	325.00
1703	6 amp to 32 amp rating DP MCB, "B" series, 10 KA breaking capacity	No	1	355.00
1704	6 amp to 32 amp rating TP MCB, "B" series, 10 KA breaking capacity	No	1	450.00
1705	6 amp to 32 amp rating TPN MCB, "B" series, 10 KA breaking capacity	No	1	925.00
1706	6 amp to 32 amp rating SP MCB, "C" series, 10 KA breaking capacity	No	1	104.00
1707	6 amp to 32 amp rating SPN MCB, "C" series, 10 KA breaking capacity	No	1	325.00
1708	6 amp to 32 amp rating DP MCB, "C" series, 10 KA breaking capacity	No	1	355.00
1709	6 amp to 32 amp rating TP MCB, "C" series, 10 KA breaking capacity	No	1	450.00
1710	6 amp to 32 amp rating TPN MCB, "C" series, 10 KA breaking capacity	No	1	925.00
1711	Single Pole Blanking Plate	No	1	4.00
1712	40 amp 2 pole isolator	No	1	252.00
1713	63 amp 2 pole isolator	No	1	315.00
1714	40 amp 4 pole isolator	No	1	567.00
1715	63 amp 4 pole isolator	No	1	594.00
1716	100 amp 4 pole isolator	No	1	885.00
1717	25 amp 2 pole RCCB, 100 mA / 300 mA	No	1	1,773.00
1718	40 amp 2 pole RCCB, 100 mA / 300 mA	No	1	2,034.00
1719	63 amp 2 pole RCCB, 100 mA / 300 mA	No	1	2,358.00
1720	25 amp 4 pole RCCB, 100 mA / 300 mA	No	1	2,304.00
1721	40 amp 4 pole RCCB, 100 mA / 300 mA	No	1	2,313.00
1722	63 amp 4 pole RCCB, 100 mA / 300 mA	No	1	2,748.00
1730	20 amp SPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	No	1	350.00

Code No	Description of Materials	Unit	Quantity	Rate in Rs
1733	2 way, SPN single door, MCB DB	No	1	300.00
1734	4 way, SPN single door, MCB DB	No	1	725.00
1735	8 way, SPN single door, MCB DB	No	1	953.00
1736	12 way, SPN single door, MCB DB	No	1	1,310.00
1737	16 way, SPN single door, MCB DB	No	1	1,560.00
1738	4 way, SPN double door, MCB DB	No	1	1,085.00
1739	8 way, SPN double door, MCB DB	No	1	1,560.00
1740	12 way, SPN double door, MCB DB	No	1	1,860.00
1741	16 way, SPN double door, MCB DB	No	1	2,100.00
1742	2 + 4 way , SPN , MCB DB consumer unit with acrylic cover	No	1	1,560.00
1743	2 + 8 way , SPN , MCB DB consumer unit with acrylic cover	No	1	1,895.00
1744	2 + 12 way , SPN , MCB DB consumer unit with acrylic cover	No	1	2,250.00
1745	2 + 16 way , SPN , MCB DB consumer unit with acrylic cover	No	1	2,450.00
1751	4 way (4 +12) , TPN , MCB DB single door horizontal type	No	1	1,575.00
1752	6 way (6 +18), TPN , MCB DB single door horizontal type	No	1	1,870.00
1753	8 way (8 +24), TPN , MCB DB single door horizontal type	No	1	2,325.00
1754	12 way (12 + 36) way, TPN, MCB DB single door horizontal type	No	1	3,250.00
1755	4 way (4 +12) , TPN , MCB DB double door horizontal type	No	1	2,148.00
1756	6 way (6 +18), TPN , MCB DB double door horizontal type	No	1	2,525.00
1757	8 way (8 +24), TPN , MCB DB double door horizontal type	No	1	2,736.00
1758	12 way (12 + 36) way, TPN, MCB DB double door horizontal type	No	1	3,537.00

xiii

Code No	Description of Materials	Unit	Quantity	Rate in Rs
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1759	250 mm x 200 mm H.T. danger notice plate	No	1	60.00
1760	200 mm x 150 mm M.V.danger notice plate	No	1	35.00
EARTHING, LIGHTENING CONDUCTOR AND ACCESSORIES				
1801	600 mm x 600 mm x 6 mm thick G.I. Plate	No	1	1,160.00
1802	600 mm x 600 mm x 6 mm thick (10.5 Kg)Copper Plate	No	1	3,445.00
1803	25 mm x 5 mm G.I strip (1.0 Kg / Mtr)	Kg	1	56.00
1804	25 mm x 6 mm G.I strip (1.2 Kg / Mtr)	Kg	1	56.00
1805	25 mm x 5 mm Copper tape (1.15 Kg / Mtr)	Kg	1	390.00
1806	6 SWG G.I wire	Kg	1	48.00
1807	8 SWG G.I wire (4.0 mm dia)	Kg	1	48.00
1808	8 SWG Copper wire (4.0 mm dia)	Kg	1	390.00
1809	40 mm to 20 mm reducer	No	1	14.00
1810	Charcoal	Kg	1	7.00
1811	Coke	Kg	1	15.00
1812	Salt	Kg	1	5.00
1814	Lightning finial, 25 mm dia x 300 mm long copper	No	1	390.00
1815	Lightning finial, 25 mm dia x 300 mm long G.I	No	1	135.00
1816	20 mm x 3 mm (0.533 Kg/ mtr) copper tape	Kg	1	390.00
1817	32 mm x 6 mm (1.705 Kg/ mtr) copper tape	Kg	1	390.00
1818	20 mm x 3 mm (0.461 Kg/ mtr) G.I. tape	Kg	1	48.00
1819	32 mm x 6 mm (1.475 Kg/ mtr) G.I. tape	Kg	1	48.00
1820	Copper Saddle (20 mm, 25 mm, 40 mm 50 mm)	No	1	2.40

xiv

Code No	Description of Materials	Unit	Quantity	Rate in Rs
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1821	G.I. saddle 20 mm x 3 mm	No	1	1.60
1822	G.I. hooks	No	1	2.00
1823	6 mm dia rag bolts with nuts	No	1	6.00
1824	6 mm dia revet / stud / bolts and nuts	No	1	5.00
1825	Tin solder etc.	L.S.	1	20.00
1826	Excavation	Cum	1	52.00
1827	10 mm x 25 mm long tinned brass bolt with nut etc	No	1	24.00
1828	10 mm x 25 mm long G.I. bolt with nut etc	No	1	10.00
1829	Locking arrangement with hinged cover plate	No	1	205.00
1830	Funnel, G.I. nuts, through bolts, G.I washer	Set	1	65.00
1831	Drilling of 16 nos 12 mm dia holes on G.I.Pipe	L.S.	1	96.00
1833	Brick work with cement mortar	Sq.mtr	1	102.00
1834	Soldering joint	No	1	15.00
1835	Thimbles and solder	L.S.	1	10.00
1836	38 mm x 7 mm bolts and nuts	No	100	600.00
1837	25 mm x 7 mm bolts and nuts	No	100	500.00
1838	38 mm x 10 mm bolts and nuts	No	100	1,100.00
1839	Rubber PVC bushes	No	100	90.00
1840	15 mm long x 6 mm dia G.I. bolts and nuts	No	100	350.00
1841	G.I. earth stud with nuts	No	1	4.50
1842	Paint	Ltr	1	150.00
1843	Hire charges 5 ton truck	Day	1	2,500.00

xv

Code No	Description of Materials	Unit	Quantiy	Rate in Rs
1844	Diesel	Ltr	1	39.00

1845	50 mm hinges	No	1	10.00
1846	Locking arrangement with key	L.S.	1	55.00
1847	Welding charges	mm	1	0.50
1848	G.I.Wire 10 SWG	Kg	1	48.00
1849	Funnel, tinned brass bolt, nuts, check nut and washer	Set	1	90.00
1850	2,24 mm dia bare copper wire	Mtr	1	390.00
1851	Cleaning material like soap / detergent	Kg	1	40.00
1852	Cotton Waste, cleaning cloth etc	Kg	1	45.00
1853	Hire charges for compressor and spray gun	Day	1	250.00
1854	50 mm x 5 mm copper tape (2.30 kg/mtr)	Kg	1	390.00
2101	Brass compression gland for 2 x 6 sq.mm 1.1 KV grade cable	Set	1	28.00
2102	Brass compression gland for 2 x 10 sq.mm 1.1 KV grade cable	Set	1	34.00
2103	Brass compression gland for 2 x 16 sq.mm 1.1 KV grade cable	Set	1	58.00
2104	Brass compression gland for 2 x 25 sq.mm 1.1 KV grade cable	Set	1	75.00
2105	Brass compression gland for 2 x 35 sq.mm 1.1 KV grade cable	Set	1	75.00
2106	Brass compression gland for 2 x 50 sq.mm 1.1 KV grade cable	Set	1	91.00
2107	Brass compression gland for 3 x 10 sq.mm 1.1 KV grade cable	Set	1	58.00
2108	Brass compression gland for 3 x 16 sq.mm 1.1 KV grade cable	Set	1	75.00
2109	Brass compression gland for 3 x 25 sq.mm 1.1 KV grade cable	Set	1	75.00
2110	Brass compression gland for 3 x 35 sq.mm 1.1 KV grade cable	Set	1	75.00
2111	Brass compression gland for 3 x 50 sq.mm 1.1 KV grade cable	Set	1	75.00

xvi

Code No	Description of Materials	Unit	Quantity	Rate in Rs
2112	Brass compression gland for 3 x 70 sq.mm 1.1 KV grade cable	Set	1	111.00

2113	Brass compression gland for 3 x 95 sq.mm 1.1 KV grade cable	Set	1	111.00
2114	Brass compression gland for 3 x 120 sq.mm 1.1 KV grade cable	Set	1	142.00
2115	Brass compression gland for 3 x 150 sq.mm 1.1 KV grade cable	Set	1	188.00
2116	Brass compression gland for 3 x 185 sq.mm 1.1 KV grade cable	Set	1	188.00
2117	Brass compression gland for 3 x 225 sq.mm 1.1 KV grade cable	Set	1	226.00
2118	Brass compression gland for 3 x 240 sq.mm 1.1 KV grade cable	Set	1	265.00
2119	Brass compression gland for 3 x 300 sq.mm 1.1 KV grade cable	Set	1	265.00
2120	Brass compression gland for 3½ x 25 sq.mm 1.1 KV grade cable	Set	1	75.00
2121	Brass compression gland for 3½ x 35 sq.mm 1.1 KV grade cable	Set	1	75.00
2122	Brass compression gland for 3½ x 50 sq.mm 1.1 KV grade cable	Set	1	75.00
2123	Brass compression gland for 3½ x 70 sq.mm 1.1 KV grade cable	Set	1	111.00
2124	Brass compression gland for 3½ x 95 sq.mm 1.1 KV grade cable	Set	1	111.00
2125	Brass compression gland for 3½ x 120 sq.mm 1.1 KV grade cable	Set	1	142.00
2126	Brass compression gland for 3½ x 150 sq.mm 1.1 KV grade cable	Set	1	188.00
2127	Brass compression gland for 3½ x 185 sq.mm 1.1 KV grade cable	Set	1	223.00
2128	Brass compression gland for 3½ x 225 sq.mm 1.1 KV grade cable	Set	1	226.00
2129	Brass compression gland for 3½ x 240 sq.mm 1.1 KV grade cable	Set	1	265.00
2130	Brass compression gland for 3½ x 300 sq.mm 1.1 KV grade cable	Set	1	265.00
2131	Brass compression gland for 4 x 10 sq.mm 1.1 KV grade cable	Set	1	58.00
2132	Brass compression gland for 4 x 16 sq.mm 1.1 KV grade cable	Set	1	75.00
2133	Brass compression gland for 4 x 25 sq.mm 1.1 KV grade cable	Set	1	75.00
2134	Brass compression gland for 4 x 35 sq.mm 1.1 KV grade cable	Set	1	91.00

xvii

Code No	Description of Materials	Unit	Quantiy	Rate in Rs
2135	Brass compression gland for 4 x 50 sq.mm 1.1 KV grade cable	Set	1	91.00
2201	Alluminum lugs for 6 sq.mm cable	Each	1	1.50
2202	Alluminum lugs for 10 sq.mm cable	Each	1	2.00

2203	Alluminum lugs for 16 sq.mm cable	Each	1	2.00
2204	Alluminum lugs for 25 sq.mm cable	Each	1	3.00
2205	Alluminum lugs for 35 sq.mm cable	Each	1	3.50
2206	Alluminum lugs for 50 sq.mm cable	Each	1	5.50
2207	Alluminum lugs for 70 sq.mm cable	Each	1	8.00
2208	Alluminum lugs for 95 sq.mm cable	Each	1	9.00
2209	Alluminum lugs for 120 sq.mm cable	Each	1	12.00
2210	Alluminum lugs for 150 sq.mm cable	Each	1	16.00
2211	Alluminum lugs for 185 sq.mm cable	Each	1	20.00
2212	Alluminum lugs for 225 sq.mm cable	Each	1	28.00
2213	Alluminum lugs for 240 sq.mm cable	Each	1	34.00
2214	Alluminum lugs for 300 sq.mm cable	Each	1	48.00
2215	Alluminum lugs for 400 sq.mm cable	Each	1	59.00
2216	Alluminum ferrules for 6 sq.mm cable	Each	1	1.00
2217	Alluminum ferrules for 10 sq.mm cable	Each	1	1.50
2218	Alluminum ferrules for 16 sq.mm cable	Each	1	2.00
2219	Alluminum ferrules for 25 sq.mm cable	Each	1	2.50
2220	Alluminum ferrules for 35 sq.mm cable	Each	1	3.00
2221	Alluminum ferrules for 50 sq.mm cable	Each	1	4.00
2222	Alluminum ferrules for 70 sq.mm cable	Each	1	7.00

xviii

Code No	Description of Materials	Unit	Quantiy	Rate in Rs
2223	Alluminum ferrules for 95 sq.mm cable	Each	1	8.00
2224	Alluminum ferrules for 120 sq.mm cable	Each	1	10.50

2225	Alluminum ferrules for 150 sq.mm cable	Each	1	15.00
2226	Alluminum ferrules for 185 sq.mm cable	Each	1	18.50
2227	Alluminum ferrules for 225 sq.mm cable	Each	1	26.00
2228	Alluminum ferrules for 240 sq.mm cable	Each	1	29.00
2229	Alluminum ferrules for 300 sq.mm cable	Each	1	43.00
2230	Alluminum ferrules for 400 sq.mm cable	Each	1	57.00
2301	2 nd class K.B. bricks (25cm x 12cm x 8cm.)	No	1000	2,500.00
2302	Sand	Cum	1	163.00
2303	Wooden bits and batten	No	100	100.00
2304	Iron Screws 45 mm x 6 mm	No	100	50.00
2305	40 mm x 3 mmj flat iron	Kg	1	41.00
2306	50 mm x 6 mm flat iron	Kg	1	41.00
2307	50 mm x 8 mm flat iron	Kg	1	41.00
2308	35 mm x 35 mm x 6 mm angle iron	Kg	1	41.00
2309	50 mm x 50 mm x 6 mm angle iron	Kg	1	41.00
2310	65 mm x 65 mm x 6 mm angle iron	Kg	1	41.00
2311	16 mm x 40 mm bolts and nuts with washers	Set	100	800.00
2312	16 mm x 50 mm bolts and nuts with washers	Set	100	950.00
2313	16 mm x 125 mm bolts and nuts with washers	Set	100	2,500.00
2314	16 mm x 150 mm bolts and nuts with washers	Set	100	2,800.00
2315	G.I. Saddle	No	100	300.00

xix

- 1.1 Recessed wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.1.1

Group-A

Code No	Sl.No.	Description of materials	Quantity	Unit	Rate in Rs.	Rate/U nit	Quantity required	Amount in Rs.
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1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	6	66.93
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	3	33.47
1224-A	3	20 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	0.38	19.00
1401	4	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	6	6.00
1222A		b. Nail	100	No	100.00	1.00	12	12.00
1461	6	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	7	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1449	8	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	6	3.00
1322	9	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1239	10	20 mm PVC Junction Box One Way	1	No	7.75	7.75	1	7.75
1431	11	S.P. 5/6 amp, 250 V one way Piao no type switch	1	No	12.00	12.00	1	12.00
1463	12	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	2.5	10.50
		Total (A1)						253.65
	A2	Cartage 1% of A1						
		Wastage 1% of A1						
		Hire charges for T&P 1% of A1						
		Total (A2)						7.61
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.10	12.90
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.15	17.40
1004	3	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						43.80
		(A1+A2+A3)						305.06
	A4	Overhead charges 10% on (A1+A2+A3)						
		Total(A1+A2+A3+A4)						
								335.57
							or say	336.00
							Rs.	

1

Wiring in PVC Conduit with Piano Type Switch

- 1.1 Recessed wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.1.2		Group-B						
Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9

Cost for 1 point								
A1 Materials								
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	8	89.24
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	4	44.62
1224-A	3	20 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	0.53	26.50
1401	4	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	8	8.00
1222A		b. Nail	100	No	100.00	1.00	16	16.00
1461	6	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	7	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1449	8	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	6	3.00
1322	9	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1239	10	20 mm PVC Junction Box One Way	1	No	7.75	7.75	1	7.75
1431	11	S.P. 5/6 amp, 250 V one way Piao no type switch	1	No	12.00	12.00	1	12.00
1463	12	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	3.5	14.70
Total (A1)								304.82
A2 Cartage 1% of A1								3.05
Wastage 1% of A1								3.05
Hire charges for T&P 1% of A1								3.05
Total (A2)								9.14
A3 Labour charges								
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.20	25.80
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.30	34.80
1004	3	Helper	1	Day	90.00	90.00	0.30	27.00
Total(A3)								87.60
(A1+A2+A3)								401.56
A4 Overhead charges 10% on (A1+A2+A3)								40.16
Total(A1+A2+A3+A4)								441.72
or say Rs.								442.00

2

Wiring in PVC Conduit with Piano Type Switch

- 1.1 Recessed wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.1.3

Group-C

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
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1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	10	111.56
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	5	55.78
1224-A	3	20 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	0.68	34.00
1401	4	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	10	10.00
1222A		b. Nail	100	No	100.00	1.00	20	20.00
1461	6	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	7	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1449	9	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	6	3.00
1322	8	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1239	9	20 mm PVC Junction Box One Way	1	No	7.75	7.75	1	7.75
1431	10	S.P. 5/6 amp, 250 V one way Piono type switch	1	No	12.00	12.00	1	12.00
1463	11	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	4.5	18.90
		Total (A1)						355.98
	A2	Cartage 1% of A1						3.56
		Wastage 1% of A1						3.56
		Hire charges for T&P 1% of A1						3.56
		Total (A2)						10.68
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.33	42.57
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.50	58.00
1004	3	Helper	1	Day	90.00	90.00	0.50	45.00
		Total(A3)						145.57
		(A1+A2+A3)						512.23
	A4	Overhead charges 10% on (A1+A2+A3)						51.22
		Total(A1+A2+A3+A4)						563.46
							or say	563.00
							Rs.	

3

Copper Wiring in PVC Conduit

Wiring in PVC Conduit with Piano Type Switch

- 1.2 Recessed wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.2.1

Group-A

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	6	66.93
1101A	2	1.0 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	905.00	10.06	3	30.17
1224-A	3	20 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	0.38	19.00
1401	4	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	6	6.00
1222A		b. Nail	100	No	100.00	1.00	12	12.00
1461	6	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	7	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1322	8	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1239	9	20 mm PVC Junction Box One Way	1	No	7.75	7.75	1	7.75
1431	10	S.P. 5/6 amp, 250 V one way Pionono type switch	1	No	12.00	12.00	1	12.00
1449	11	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	6	3.00
1463	11	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	2.5	10.50
		Total (A1)						250.35
	A2	Cartage 1% of A1						2.50
		Wastage 1% of A1						2.50
		Hire charges for T&P 1% of A1						2.50
		Total (A2)						7.51
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.10	12.90
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.15	17.40
1004	3	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						43.80
		(A1+A2+A3)						301.66
	A4	Overhead charges 10% on (A1+A2+A3)						30.17
		Total(A1+A2+A3+A4)						331.83
							or say Rs.	332.00

4

Copper Wiring in PVC Conduit

Wiring in PVC Conduit with Piano Type Switch

- 1.2 Recessed wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.2.2

Group-B

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	8	89.24
1101A	2	1.0 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	905.00	10.06	4	40.22
1224-A	3	20 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	0.53	26.50
1401	4	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	8	8.00
1222A		b. Nail	100	No	100.00	1.00	16	16.00
1461	6	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	7	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1322	8	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1239	9	20 mm PVC Junction Box One Way	1	No	7.75	7.75	1	7.75
1431	10	S.P. 5/6 amp, 250 V one way Piao no type switch	1	No	12.00	12.00	1	12.00
1449	11	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	6	3.00
1463	11	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	3.5	14.70
		Total (A1)						300.42
	A2	Cartage 1% of A1						3.00
		Wastage 1% of A1						3.00
		Hire charges for T&P 1% of A1						3.00
		Total (A2)						9.01
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.20	25.80
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.30	34.80
1004	3	Helper	1	Day	90.00	90.00	0.30	27.00
		Total(A3)						87.60
		(A1+A2+A3)						397.03
	A4	Overhead charges 10% on (A1+A2+A3)						39.70
		Total(A1+A2+A3+A4)						436.73
							or say Rs.	437.00

- 1.2 Recessed wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.2.3

Group-C

Code No	Sl.No.	Description of materials	Quntty	Unit	Rate in Rs.	Rate / Unit	Quntty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	10	111.56
1101A	2	1.0 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	905.00	10.06	5	50.28
1224-A	3	20 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	0.68	34.00
1401	4	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	10	10.00
1222A		b. Nail	100	No	100.00	1.00	20	20.00
1461	6	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	7	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1322	8	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1239	9	20 mm PVC Junction Box One Way	1	No	7.75	7.75	1	7.75
1431	10	S.P. 5/6 amp, 250 V one way Piaono type switch	1	No	12.00	12.00	1	12.00
1449	11	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	6	3.00
1463	11	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	4.5	18.90
		Total (A1)						350.48
	A2	Cartage 1% of A1						3.50
		Wastage 1% of A1						3.50
		Hire charges for T&P 1% of A1						3.50
		Total (A2)						10.51
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.33	42.57
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.50	58.00
1004	3	Helper	1	Day	40.00	40.00	0.50	20.00
		Total(A3)						120.57
		(A1+A2+A3)						481.57
	A4	Overhead charges 10% on						48.16
		Total(A1+A2+A3+A4)						529.72
							or say	530.00
							Rs.	

Twin control point wiring in PVC Conduit with Piano Type Switch

- 1.3 Wiring for twin control light point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in recess PVC conduit with 2 way piano type switch with ISI marked, phenolic laminated sheet suitable size ISI marked G.I. box(18 SWG) and earthing point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing etc as required. (Make of wire -Finolex / L&T / Anchor / Havels / V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	10	111.56
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	5	55.78
1224-A	3	20 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	1.25	62.50
1401	4	Ceiling rose, 3 plate, 5 amps ISI marked	1	No	16.00	16.00	1	16.00
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	15	15.00
1222A		b. Nail	100	No	100.00	1.00	30	30.00
1461	6	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	7	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1322	8	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1239	9	20 mm PVC Junction Box One Way	1	No	7.75	7.75	1	7.75
1432	10	S.P. 5 / 6 amps, two way switch, piano type ISI marked	1	No	14.00	14.00	1	12.00
1449	11	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	6	3.00
1463	11	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	4.5	18.90
		Total (A1)						399.48
	A2	Cartage 1% of A1						3.99
		Wastage 1% of A1						3.99
		Hire charges for T&P 1% of A1						3.99
		Total (A2)						11.98
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.10	12.90
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.15	17.40
1004	3	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						43.80
		(A1+A2+A3)						455.27
	A4	Overhead charges 10% on (A1+A2+A3)						45.53
		Total(A1+A2+A3+A4)						500.79
							or say Rs.	501.00

Copper Wiring in PVC Conduit

Wiring in PVC Conduit with Piano Type Plug

- 1.4 Recessed wiring for light / power plug with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metallic PVC flexible conduit alongwith 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing as required. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 Meters						
	A1	Materials						
1102	1	2.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,681.00	18.68	101	1,886.46
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	50.5	563.36
1224-A	3	20 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	6.33	316.50
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	85	85.00
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1211	6	20 mm sockets	1	No	3.00	3.00	10	30.00
1240	7	20 mm PVC Junction Box Two Way	1	No	7.75	7.75	6	46.50
1449	8	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	12	6.00
1461	9	Washer / Screw	100	No	20.00	0.20	12	2.40
1463	10	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						3,316.21
	A2	Cartage 1% of A1						33.16
		Wastage 1% of A1						33.16
		Hire charges for T&P 1% of A1						33.16
		Total (A2)						99.49
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	3.00	387.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3.00	348.00
1004	3	Helper	1	Day	90.00	90.00	6.00	540.00
		Total(A3)						1,275.00
		(A1+A2+A3)						4,690.70
	A4	Overhead charges 10% on (A1+A2+A3)						469.07
		Total(A1+A2+A3+A4)						5,159.77
								103.20
							or say Rs.	103.00

Wiring in PVC Conduit with Piano Type Plug

- 1.5 Recessed wiring for light / power plug with 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit alongwith 1 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing as required. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

Code No	Sl.No.	Description of materials	Quntty	Unit	Rate in Rs.	Rate / Unit	Quntty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 Meters								
	A1	Materials						
1103	1	4 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	2,524.00	28.04	101	2,832.49
1102	2	2.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,681.00	18.68	50.5	943.23
1224-A	3	20 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	6.33	316.50
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	85	85.00
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1461	6	Washer / Screw	100	No	20.00	0.20	80	16.00
1240	7	20 mm PVC Junction Box Two Way	1	No	7.75	7.75	6	46.50
1449	8	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	12	6.00
1461	9	Washer / Screw	100	No	20.00	0.20	12	2.40
1463	10	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						4,628.12
	A2	Cartage 1% of A1						46.28
		Wastage 1% of A1						46.28
		Hire charges for T&P 1% of A1						46.28
		Total (A2)						138.84
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	3.00	387.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3.00	348.00
1004	3	Helper	1	Day	90.00	90.00	6.00	540.00
		Total(A3)						1,275.00
		(A1+A2+A3)						6,041.96
	A4	Overhead charges 10% on (A1+A2+A3)						604.20
		Total(A1+A2+A3+A4)						6,646.16
								132.92
							or say Rs.	133.00

Copper Wiring in PVC Conduit

Wiring in PVC Conduit with Piano Type Plug

- 1.6 Recessed wiring for light / power plug with 4 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metallic PVC flexible conduit alongwith 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing as required. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 Meters						
	A1	Materials						
1103	1	4.0 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	90	Mtr	2,524.00	28.04	202	5,664.98
1102	2	2.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,681.00	18.68	101	1,886.46
1225-A	3	25 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	12.5	625.00
1219	5	a. 25 mm Iron Staple	1	No	1.30	1.30	85	110.50
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1212	6	25 mm sockets	1	No	4.00	4.00	10	40.00
1240	7	25 mm PVC Junction Box Two Way	1	No	7.75	7.75	6	46.50
1449	8	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	12	6.00
1461	9	Washer / Screw	100	No	20.00	0.20	12	2.40
1463	10	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						8,761.83
	A2	Cartage 1% of A1						87.62
		Wastage 1% of A1						87.62
		Hire charges for T&P 1% of A1						87.62
		Total (A2)						262.86
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	3.00	387.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3.00	348.00
1004	3	Helper	1	Day	90.00	90.00	6.00	540.00
		Total(A3)						1,275.00
		(A1+A2+A3)						10,299.69
	A4	Overhead charges 10% on (A1+A2+A3)						1,029.97
		Total(A1+A2+A3+A4)						11,329.66
								226.59
							or say	227.00
							Rs.	

Copper Wiring in PVC Conduit

Wiring in PVC Conduit with Piano Type Switch

- 1.7 Point wiring for 5 / 6 amp socket outlet with 2 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in recess 20 mm dia non-metallic PVC flexible conduit with piano type switch , phenolic laminated sheet suitable size ISI marked MS box and earthing point with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing etc. as required. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	6	66.93
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	3	33.47
1224-A	3	20 mm dia flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	0.38	19.00
1434	4	5 / 6 amp socket outlet piano type	1	No	23.00	23.00	1	23.00
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	6	6.00
1222A		b. Nail	100	No	100.00	1.00	12	12.00
1461	6	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	7	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1322	8	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1239	9	20 mm PVC Junction Box One Way	1	No	7.75	7.75	1	7.75
1431	10	S.P. 5/6 amp, 250 V one way Piao no type switch	1	No	12.00	12.00	1	12.00
1449	11	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	6	3.00
1463	12	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	2.5	10.50
		Total (A1)						260.65
	A2	Cartage 1% of A1						2.61
		Wastage 1% of A1						2.61
		Hire charges for T&P 1% of A1						2.61
		Total (A2)						7.82
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.10	12.90
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.15	17.40
1004	3	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						43.80
		(A1+A2+A3)						312.27
	A4	Overhead charges 10% on (A1+A2+A3)						31.23
		Total(A1+A2+A3+A4)						343.50
							or say Rs.	343.00

ANALYSIS OF RATE

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.1

(2 x 1.5 sq.mm + 1 x 1.5 sq.mm)

Recessed wiring to submain in 2 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty flexible conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50mtrs								
	A1	Materials						
1101	1	1.5 sq. mm single core pvc insulated multistrand copper conductor cable	90	Mtr	1,004.00	11.16	101	1,126.71
1101	2	1.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,004.00	11.16	50.5	563.36
1224 A	3	20mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	6.75	337.50
1218	4	a. 20 mm iron staples	1	No	1.00	1.00	100	100.00
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						2,537.57
	A2	Cartage 1% of A1						25.38
		Wastage 1% of A1						25.38
		Hire charges on T&P 1% of A1						25.38
		Total (A2)						76.13
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						3,579.91
	A4	Overhead charges @ 10% on materials						357.99
		Grand Total (A1+A2+A3+A4)						3,937.91
		Rate per meter in Rs.						78.76
							or say Rs	79.00

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.2

(2 x 2.5 sq.mm + 1 x 1.5 sq.mm)

Recessed wiring to submain in 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Quntty	Unit	Rate in Rs.	Rate / Unit	Quntty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50mtrs						
	A1	Materials						
1102	1	2.5 sq. mm single core pvc insulated multistrand copper conductor cable	90	Mtr	1,681.00	18.68	101	1,886.46
1101	2	1.5sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,004.00	11.16	50.5	563.36
1224A	3	20mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	6.75	337.50
1218	4	a. 20 mm iron staples	1	No	1.00	1.00	100	100.00
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total A1						3,297.31
	A2	Cartage 1% of A1						32.97
		Wastage 1% of A1						32.97
		Hire charges on T&P 1% of A1						32.97
		Total A2						98.92
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						4,362.45
	A4	Overhead charges @ 10% on materials						436.25
		Grand Total (A1+A2+A3+A4)						4,798.70
		Rate per meter in Rs.						95.97
							or say Rs	96.00

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.3

(2 x 4 sq.mm + 1 x 1.5 sq.mm)

Recessed wiring to submain in 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qnty	Unit	Rate in Rs.	Rate / Unit	Qnty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50mtrs						
	A1	Materials						
1103	1	4 sq. mm single core pvc insulated multistrand copper conductor cable	90	Mtr	2,524.00	28.04	101	2,832.49
1101	2	1.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,004.00	11.16	50.5	563.36
1224A	3	20mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	6.75	337.50
1218	4	a. 20 mm iron staples	1	No	1.00	1.00	100	100.00
		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						4,243.34
	A2	Cartage 1% of A1						42.43
		Wastage 1% of A1						42.43
		Hire charges on T&P 1% of A1						42.43
		Total (A2)						127.30
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						5,336.86
	A4	Overhead charges @ 10% on materials						533.69
		Grand Total (A1+A2+A3+A4)						5,870.55
		Rate per meter in Rs.						117.41
							or say Rs	117.00

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.4

(2 x 6 sq.mm + 1 x 2.5 sq.mm)

Recessed wiring to submain in 2 x 6 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 1 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qnty	Unit	Rate in Rs.	Rate / Unit	Qnty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50mtrs								
	A1	Materials						
1104	1	6 sq.mm single core pvc insulated multistrand copper conductor cable	90	Mtr	3,607.00	40.08	101	4,047.86
1102	2	2.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,681.00	18.68	50.5	943.23
1224A	3	25 mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	8	400.00
1218	4	a. 25 mm iron staples	1	No	1.00	1.00	100	100.00
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						5,901.08
	A2	Cartage 1% of A1						59.01
		Wastage 1% of A1						59.01
		Hire charges on T&P 1% of A1						59.01
		Total (A2)						177.03
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						7,044.34
	A4	Overhead charges @ 10% on materials						704.43
		Grand Total (A1+A2+A3+A4)						7,748.77
		Rate per meter in Rs.						154.98
							or say Rs	155.00

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.5

(2 x 10 sq.mm + 1 x 4 sq.mm)

Recessed wiring to submain in 2 x 10 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 1 x 4 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Quntty	Unit	Rate in Rs.	Rate / Unit	Quntty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1105	1	10 sq.mm single core pvc insulated multistrand copper conductor cable	100	Mtr	6,969.00	69.69	101	7,038.69
1103	2	4 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	2,524.00	28.04	50.5	1,416.24
1225A	3	25 mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	8	400.00
1219	4	a. 25 mm iron staples	100	No	1.30	0.01	100	1.30
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						9,266.23
	A2	Cartage 1% of A1						92.66
		Wastage 1% of A1						92.66
		Hire charges on T&P 1% of A1						92.66
		Total (A2)						277.99
	A4	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						10,510.44
	A4	Overhead charges @ 10% on materials						1,051.04
		Grand Total (A1+A2+A3+A4)						11,561.49
		Rate per meter in Rs.						231.23
							or say Rs	231.00

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.6

(2 x 16 sq.mm + 1 x 10 sq.mm)

Recessed wiring to submain in 2 x 16 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty flexible conduit 1.6 mm thick along with 1 x 10 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50mtrs								
	A1	Materials						
1106	1	16 sq.mm single core pvc insulated multistrand copper conductor cable	100	Mtr	10,416.00	104.16	101	10,520.16
1105	2	10 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	100	Mtr	6,969.00	69.69	50.5	3,519.35
1226A	3	32 mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	12.5	625.00
1220	4	a. 32 mm iron staples	100	No	2.00	0.02	100	2.00
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						15,076.51
	A3	Cartage 1% of A1						150.77
		Wastage 1% of A1						150.77
		Hire charges on T&P 1% of A1						150.77
		Total (A2)						452.30
	A4	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						16,495.02
	A4	Overhead charges @ 10% on materials						1,649.50
		Grand Total (A1+A2+A3+A4)						18,144.52
		Rate per meter in Rs.						362.89
							or say Rs	363.00

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.7

(2 x 25 sq.mm + 1 x 16 sq.mm)

Recessed wiring to submain in 2 x 25 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 1 x 10 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50mtrs								
	A1	Materials						
1107	1	25 sq.mm single core pvc insulated multistrand copper conductor cable	100	Mtr	16,500.00	165.00	101	16,665.00
1106	2	10 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	100	Mtr	10,416.00	104.16	50.5	5,260.08
1226A	3	32 mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	12.5	625.00
1220	4	a. 32 mm iron staples	100	No	2.00	0.02	100	2.00
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						22,962.08
	A3	Cartage 1% of A1						229.62
		Wastage 1% of A1						229.62
		Hire charges on T&P 1% of A1						229.62
		Total (A2)						688.86
	A4	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						24,617.16
	A4	Overhead charges @ 10% on materials						2,461.72
		Grand Total (A1+A2+A3+A4)						27,078.88
		Rate per meter in Rs.						541.58
							or say Rs	542.00

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.8

(4 x 2.5 sq.mm + 2 x 2.5 sq.mm)

Recessed wiring to submain in 4 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qnty	Unit	Rate in Rs.	Rate / Unit	Qnty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50mtrs								
	A1	Materials						
1102	1	2.5sq.mm single core pvc insulated multistrand copper conductor cable	90	Mtr	1,681.00	18.68	202	3,772.91
1102	2	2.5sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,681.00	18.68	101	1,886.46
1225A	3	25 mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	12.5	625.00
1219	4	a. 25 mm iron staples	1	No	1.30	1.30	100	130.00
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						6,824.37
	A2	Cartage 1% of A1						68.24
		Wastage 1% of A1						68.24
		Hire charges on T&P 1% of A1						68.24
		Total (A2)						204.73
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						7,995.32
	A4	Overhead charges @ 10% on materials						799.53
		Grand Total (A1+A2+A3+A4)						8,794.85
		Rate per meter in Rs.						175.90
							or say Rs	176.00

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.9

(4 x 4 sq.mm + 2 x 2.5 sq.mm)

Recessed wiring to submain in 4 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Quntty	Unit	Rate in Rs.	Rate / Unit	Quntty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50mtrs						
	A1	Materials						
1103	1	4 sq.mm single core pvc insulated multistrand copper conductor cable	90	Mtr	2,524.00	28.04	202	5,664.98
1102	2	2.5sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,681.00	18.68	101	1,886.46
1225A	3	25 mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	12.5	625.00
1219	4	a. 25 mm iron staples	1	No	1.30	1.30	100	130.00
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						8,716.43
	A2	Cartage 1% of A1						87.16
		Wastage 1% of A1						87.16
		Hire charges on T&P 1% of A1						87.16
		Total (A2)						261.49
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						9,944.15
	A4	Overhead charges @ 10% on materials						994.41
		Grand Total (A1+A2+A3+A4)						10,938.56
		Rate per meter in Rs.						218.77
							or say Rs	219.00

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.10

(4 x 6 sq.mm + 2 x 2.5 sq.mm)

Recessed wiring to submain in 4 x 6 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty flexible conduit 1.6 mm thick along with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50mtrs						
	A1	Materials						
1104	1	6 sq.mm single core pvc insulated multistrand copper conductor cable	90	Mtr	3,607.00	40.08	202	8,095.71
1102	2	2.5sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,681.00	18.68	101	1,886.46
1226A	3	32 mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	12.5	625.00
1220	4	a. 32 mm iron staples	1	No	2.00	2.00	100	200.00
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						11,217.17
	A2	Cartage 1% of A1						112.17
		Wastage 1% of A1						112.17
		Hire charges on T&P 1% of A1						112.17
		Total (A2)						336.52
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						12,519.90
	A4	Overhead charges @ 10% on materials (A4)						1,251.99
		Grand Total (A1+A2+A3+A4)						13,771.89
		Rate per meter in Rs.						275.44
							or say Rs	275.00

Circuit / Sub Main wiring in PVC Conduit

(4 x 10 sq.mm + 2 x 4 sq.mm)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50mtrs						
	A1	Materials						
1105	1	10 sq.mm single core pvc insulated multistrand copper conductor cable	100	Mtr	6,969.00	69.69	202	14,077.38
1103	2	4 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	2,524.00	28.04	101	2,832.49
1226A	3	32 mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	12.5	625.00
1220	4	a. 32 mm iron staples	1	No	2.00	2.00	100	200.00
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						18,144.87
	A2	Cartage 1% of A1						181.45
		Wastage 1% of A1						181.45
		Hire charges on T&P 1% of A1						181.45
		Total (A2)						544.35
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						19,655.43
	A4	Overhead charges @ 10% on materials						1,965.54
		Grand Total (A1+A2+A3+A4)						21,620.98
		Rate per meter in Rs.						432.42
							or say Rs	432.00

1.8

Circuit / Sub Main wiring in PVC Conduit

1.8.13

(4 x 25 sq.mm + 2 x 16 sq.mm)

Recessed wiring to submain in 4 x 25 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 50 mm dia non-metallic heavy duty flexible conduit 1.6 mm thick along with 2 x 16 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50mtrs						
	A1	Materials						
1107	1	25 sq.mm single core pvc insulated multistrand copper conductor cable	100	Mtr	16,500.00	165.00	202	33,330.00
1106	2	16 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	100	Mtr	10,416.00	104.16	101	10,520.16
1227A	3	50 mm dia superior quality heavy duty flexible PVC conduit 1.6 mm thick	1	Kg	50.00	50.00	18.75	937.50
1222	4	a. 50 mm iron staples	1	No	3.50	3.50	100	350.00
1222A		b. Nail/Screw	100	No	100.00	1.00	200	200.00
1463	5	Sand and Cement (4:1)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						45,547.66
	A2	Cartage 1% of A1						455.48
		Wastage 1% of A1						455.48
		Hire charges on T&P 1% of A1						455.48
		Total (A2)						1,366.43
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.5	322.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.67	193.72
1004	3	Helper	1	Day	90.00	90.00	5	450.00
		Total (A3)						966.22
		Total (A1+A2+A3)						47,880.31
	A4	Overhead charges @ 10% on materials						4,788.03
		Grand Total (A1+A2+A3+A4)						52,668.34
		Rate per meter in Rs.						1,053.37
							or say Rs	1,053.00

Copper Wiring in STEEL Conduit

Wiring in Steel Conduit with Piano Type Switch

- 1.9.1 Recessed / surface wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia STEEL conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size, MS box with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.9.3		Group-A						
Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	6	66.93
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	3	33.47
1201	3	20 mm dia STEEL conduit	1	Mtr	40.00	40.00	2.5	100.00
1206	4	20 mm dia STEEL bends	1	No	8.00	8.00	1	8.00
1401	5	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	6	a. 20 mm Iron Staple	1	No	1.00	1.00	6	6.00
1222A		b. Nail	100	No	100.00	1.00	12	12.00
1461	7	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	8	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1449	9	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	6	3.00
1322	10	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1216	11	20 mm MS circular junction box One Way	1	No	12.00	12.00	1	12.00
1431	12	S.P. 5/6 amp, 250 V one way Piano type switch	1	No	12.00	12.00	1	12.00
1463	13	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	2.5	10.50
		Total (A1)						346.90
	A2	Cartage 1% of A1						3.47
		Wastage 1% of A1						3.47
		Hire charges for T&P 1% of A1						3.47
		Total (A2)						10.41
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.15	19.35
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.04	4.64
1003	3	Painter	1	Day	103.00	103.00	0.03	3.09
1004	4	Helper	1	Day	90.00	90.00	0.19	17.10
		Total(A3)						44.18
		(A1+A2+A3)						401.49
	A4	Overhead charges 10% on (A1+A2+A3)						40.15

Total(A1+A2+A3+A4)

441.64

or say
Rs.**442.00****25****Wiring in Steel Conduit with Piano Type Switch**

- 1.9 Recessed / surface wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia STEEL conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.9.2

Group-B

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	8	89.24
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	4	44.62
1201	3	20 mm dia STEEL conduit	1	Mtr	40.00	40.00	3.5	140.00
1206	4	20 mm dia STEEL bends	1	No	8.00	8.00	1	8.00
1401	5	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	6	a. 20 mm Iron Staple	1	No	1.00	1.00	8	8.00
1222A		b. Nail	100	No	100.00	1.00	16	16.00
1461	7	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	8	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1449	9	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	6	3.00
1322	10	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1216	11	20 mm MS circular junction box One Way	1	No	12.00	12.00	1	12.00
1431	12	S.P. 5/6 amp, 250 V one way Piano type switch	1	No	12.00	12.00	1	12.00
1463	13	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	3.5	14.70
		Total (A1)						430.57
	A2	Cartage 1% of A1						4.31
		Wastage 1% of A1						4.31
		Hire charges for T&P 1% of A1						4.31
		Total (A2)						12.92
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.30	38.70
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.08	9.28
1003	3	Painter	1	Day	103.00	103.00	0.06	6.18
1004	4	Helper	1	Day	90.00	90.00	0.38	34.20
		Total(A3)						88.36
		(A1+A2+A3)						531.84

A4	Overhead charges 10% on (A1+A2+A3)	53.18
	Total(A1+A2+A3+A4)	585.03
	or say Rs.	585.00

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Wiring in Steel Conduit with Piano Type Switch

- 1.9 Recessed / surface wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia STEEL conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.9.3

Group-C

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	10	111.56
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	5	55.78
1201	3	20 mm dia STEEL conduit	1	Mtr	40.00	40.00	4.5	180.00
1206	4	20 mm dia STEEL bends	1	No	8.00	8.00	1	8.00
1401	5	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	6	a. 20 mm Iron Staple	1	No	1.00	1.00	10	10.00
1222A		b. Nail	100	No	100.00	1.00	20	20.00
1461	7	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	8	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1449	9	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	6	3.00
1322	10	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1216	11	20 mm MS circular junction box One Way	1	No	12.00	12.00	1	12.00
1431	12	S.P. 5/6 amp, 250 V one way Piano type switch	1	No	12.00	12.00	1	12.00
1463	13	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	4.5	18.90
		Total (A1)						514.23
	A2	Cartage 1% of A1						5.14
		Wastage 1% of A1						5.14
		Hire charges for T&P 1% of A1						5.14
		Total (A2)						15.43
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.30	38.70
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.08	9.28
1003	3	Painter	1	Day	103.00	103.00	0.06	6.18
1004	4	Helper	1	Day	90.00	90.00	0.38	34.20
		Total(A3)						88.36
		(A1+A2+A3)						618.02

A4	Overhead charges 10% on (A1+A2+A3)	61.80
	Total(A1+A2+A3+A4)	679.82
	or say Rs.	680.00

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Copper Wiring in STEEL Conduit

Wiring in Steel Conduit with Piano Type Switch

1. 10 Recessed / surface wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia STEEL conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.10.1		Group-A						
Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	6	66.93
1101A	2	1.0 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	905.00	10.06	3	30.17
1201	3	20 mm dia STEEL conduit	1	Mtr	40.00	40.00	2.5	100.00
1206	4	20 mm dia STEEL bends	1	No	8.00	8.00	1	8.00
1401	5	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	6	a. 20 mm Iron Staple	1	No	1.00	1.00	6	6.00
1222A		b. Nail	100	No	100.00	1.00	12	12.00
1461	7	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	8	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1449	9	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	6	3.00
1322	10	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1216	11	20 mm MS circular junction box One Way	1	No	12.00	12.00	1	12.00
1431	12	S.P. 5/6 amp, 250 V one way Piano type switch	1	No	12.00	12.00	1	12.00
1463	13	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	2.5	10.50
		Total (A1)						343.60
	A2	Cartage 1% of A1						3.44
		Wastage 1% of A1						3.44
		Hire charges for T&P 1% of A1						3.44
		Total (A2)						10.31
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.15	19.35
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.04	4.64
1003	3	Painter	1	Day	103.00	103.00	0.03	3.09
1004	4	Helper	1	Day	90.00	90.00	0.19	17.10
		Total(A3)						44.18

	(A1+A2+A3)				398.09
A4	Overhead charges 10% on (A1+A2+A3)				39.81
	Total(A1+A2+A3+A4)				437.90
				or say	438.00
				Rs.	

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Wiring in Steel Conduit with Piano Type Switch

1. 10 Recessed / surface wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia STEEL conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.10.2		Group-B						
Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	8	89.24
1101A	2	1.0 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	905.00	10.06	4	40.22
1201	3	20 mm dia STEEL conduit	1	Mtr	40.00	40.00	3.5	140.00
1206	4	20 mm dia STEEL bends	1	No	8.00	8.00	1	8.00
1401	5	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	6	a. 20 mm Iron Staple	1	No	1.00	1.00	8	8.00
1222A		b. Nail	100	No	100.00	1.00	16	16.00
1461	7	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	8	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1449	9	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	6	3.00
1322	10	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1216	11	20 mm MS circular junction box One Way	1	No	12.00	12.00	1	12.00
1431	12	S.P. 5/6 amp, 250 V one way Piano type switch	1	No	12.00	12.00	1	12.00
1463	13	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	3.5	14.70
		Total (A1)						426.17
	A2	Cartage 1% of A1						4.26
		Wastage 1% of A1						4.26
		Hire charges for T&P 1% of A1						4.26
		Total (A2)						12.79
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.30	38.70
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.08	9.28
1003	3	Painter	1	Day	103.00	103.00	0.06	6.18

1004	4	Helper	1	Day	90.00	90.00	0.38	34.20
		Total(A3)						88.36
		(A1+A2+A3)						527.31
	A4	Overhead charges 10% on (A1+A2+A3)						52.73
		Total(A1+A2+A3+A4)						580.04
							or say	580.00
							Rs.	

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Wiring in Steel Conduit with Piano Type Switch

1. 10 Recessed / surface wiring to light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia STEEL conduit with 5 Amp, 250 V piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front bakelite cover of suitable size , MS box with 1.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

1.10.3 Group-C								
Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	10	111.56
1101A	2	1.0 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	905.00	10.06	5	50.28
1201	3	20 mm dia STEEL conduit	1	Mtr	40.00	40.00	4.5	180.00
1206	4	20 mm dia STEEL bends	1	No	8.00	8.00	1	8.00
1401	5	Ceiling Rose 5 Amp, 250 V ISI marked	1	No	16.00	16.00	1	16.00
1218	6	a. 20 mm Iron Staple	1	No	1.00	1.00	10	10.00
1222A		b. Nail	100	No	100.00	1.00	20	20.00
1461	7	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	8	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1449	9	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	6	3.00
1322	10	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1216	11	20 mm MS circular junction box One Way	1	No	12.00	12.00	1	12.00
1431	12	S.P. 5/6 amp, 250 V one way Piano type switch	1	No	12.00	12.00	1	12.00
1463	13	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	4.5	18.90
		Total (A1)						508.73
	A2	Cartage 1% of A1						5.09
		Wastage 1% of A1						5.09
		Hire charges for T&P 1% of A1						5.09
		Total (A2)						15.26
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.30	38.70
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.08	9.28
1003	3	Painter	1	Day	103.00	103.00	0.06	6.18

1004	4 Helper	1	Day	90.00	90.00	0.38	34.20
	Total(A3)						88.36
	(A1+A2+A3)						612.36
A4	Overhead charges 10% on (A1+A2+A3)						61.24
	Total(A1+A2+A3+A4)						673.59
						or say	674.00
						Rs.	

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Copper Wiring in PVC Conduit

Twin control point wiring in STEEL Conduit with Piano Type Switch

1.11 Wiring for twin control light point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in recess STEEL conduit with 2 way piano type switch with ISI marked, phenolic laminated sheet suitable size ISI marked G.I. box(18 SWG) and earthing point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing etc as required. (Make of wire -Finolex / L&T / Anchor / Havels / V Guard)

Group-C								
Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	10	111.56
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	5	55.78
1201	3	20 mm dia STEEL conduit	1	Mtr	40.00	40.00	4.5	180.00
1206	4	20 mm dia STEEL bends	1	No	8.00	8.00	1	8.00
1401	4	Ceiling rose, 3 plate, 5 amps ISI marked	1	No	16.00	16.00	1	16.00
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	15	15.00
1222A		b. Nail	100	No	100.00	1.00	30	30.00
1461	6	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	7	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1322	8	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1216	11	20 mm MS circular junction box One Way	1	No	12.00	12.00	1	12.00
1432	10	S.P. 5 / 6 amps, two way switch, piano type ISI marked	1	No	14.00	14.00	1	14.00
1449	11	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	6	3.00
1463	11	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	4.5	18.90
		Total (A1)						531.23
	A2	Cartage 1% of A1						5.31
		Wastage 1% of A1						5.31
		Hire charges for T&P 1% of A1						5.31
		Total (A2)						15.94
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.10	12.90
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.15	17.40
1003	3	Painter	1	Day	103.00	103.00	0.06	6.18

1004	3	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						49.98
		(A1+A2+A3)						597.15
	A4	Overhead charges 10% on (A1+A2+A3)						59.72
		Total(A1+A2+A3+A4)						656.87
							or say	657.00
							Rs.	

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Copper Wiring in STEEL Conduit

Wiring in STEEL Conduit with Piano Type Plug

1.12 Recessed wiring for light / power plug with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia STEEL conduit alongwith 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing as required. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 Meters						
	A1	Materials						
1102	1	2.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,681.00	18.68	101	1,886.46
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	50.5	563.36
1201	3	20 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	40.00	40.00	50	2,000.00
1218	4	a. 20 mm Iron Staple	1	No	1.00	1.00	85	85.00
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1211	5	20 mm sockets	1	No	3.00	3.00	10	30.00
1217	6	20 mm junction box, two way (1.6 mm thick)	1	No	12.00	12.00	6	72.00
1449	7	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	12	6.00
1461	8	Washer / Screw	100	No	20.00	0.20	12	2.40
1206	9	50 mm dia ISI marked steel conduit (1.6 mm thick)	1	No	8.00	8.00	4	32.00
1463	10	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						5,057.21
	A2	Cartage 1% of A1						50.57
		Wastage 1% of A1						50.57
		Hire charges for T&P 1% of A1						50.57
		Total (A2)						151.72
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.5	51.50
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total(A3)						1,545.50

	(A1+A2+A3)				6,754.43
A4	Overhead charges 10% on (A1+A2+A3)				675.44
	Total(A1+A2+A3+A4)				7,429.87
					148.60
				or say	149.00
				Rs.	

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Wiring in STEEL Conduit with Piano Type Plug

- 1.13 Recessed wiring for light / power plug with 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia STEEL conduit alongwith 1 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing as required. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 Meters						
	A1	Materials						
1103	1	4 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	2,524.00	28.04	101	2,832.49
1102	2	2.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,681.00	18.68	50.5	943.23
1201	3	20 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	40.00	40.00	50	2,000.00
1218	4	a. 20 mm Iron Staple	1	No	1.00	1.00	85	85.00
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1211	5	20 mm sockets	1	No	3.00	3.00	10	30.00
1217	6	20 mm junction box, two way (1.6 mm thick)	1	No	12.00	12.00	6	72.00
1449	7	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	12	6.00
1461	8	Washer / Screw	100	No	20.00	0.20	12	2.40
1206	9	50 mm dia ISI marked steel conduit (1.6 mm thick)	1	No	8.00	8.00	4	32.00
1463	10	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						6,383.12
	A2	Cartage 1% of A1						63.83
		Wastage 1% of A1						63.83
		Hire charges for T&P 1% of A1						63.83
		Total (A2)						191.49
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.6	61.80
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total(A3)						1,555.80
		(A1+A2+A3)						8,130.41

A4	Overhead charges 10% on (A1+A2+A3)	813.04
	Total(A1+A2+A3+A4)	8,943.45
		178.87
	or say Rs.	179.00

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Copper Wiring in STEEL Conduit

Wiring in STEEL Conduit with Piano Type Plug

- 1.14 Recessed wiring for light / power plug with 4 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 25 mm dia STEEL conduit alongwith 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing as required. (Make of wire Finolex / L&T / Anchor / Havels / V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 Meters						
	A1	Materials						
1103	1	4.0 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	90	Mtr	2,524.00	28.04	202	5,664.98
1102	2	2.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,681.00	18.68	101	1,886.46
1202	3	25 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	48.00	48.00	12.5	600.00
1219	4	a. 25 mm Iron Staple	1	No	1.30	1.30	85	110.50
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1212	5	25 mm sockets	1	No	4.00	4.00	10	40.00
1217	6	25 mm PVC Junction Box Two Way	1	No	12.00	12.00	6	72.00
1449	7	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	12	6.00
1461	8	Washer / Screw	100	No	20.00	0.20	12	2.40
1207	9	25 mm inspection / solid bend (1.6 mm thick)	1	No	9.00	9.00	4	36.00
1463	10	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	50	210.00
		Total (A1)						8,798.33
	A2	Cartage 1% of A1						87.98
		Wastage 1% of A1						87.98
		Hire charges for T&P 1% of A1						87.98
		Total (A2)						263.95
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.6	61.80
1004	4	Helper	1	Day	90.00	90.00	7	630.00

	Total(A3)		1,555.80
	(A1+A2+A3)		10,618.08
A4	Overhead charges 10% on (A1+A2+A3)		1,061.81
	Total(A1+A2+A3+A4)		11,679.89
			233.60
		or say	234.00
		Rs.	

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Copper Wiring in PVC Conduit

Wiring in PVC Conduit with Piano Type Switch

1.15 Point wiring for 5 / 6 amp socket outlet with 2 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in recess / surface STEEL conduit with piano type switch with ISI marked, phenolic laminated sheet suitable size ISI marked MS box and earthing point with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing etc as required. (Make of wire -Finolex / L&T / Anchor / Havels / V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 point						
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	6	66.93
1101	2	1.5 sq. mm FR PVC insulated single core multistrand copper conductor as earth wire	90	Mtr	1,004.00	11.16	3	33.47
1201	3	20 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	40.00	40.00	2.5	100.00
1434	4	5 / 6 amp socket outlet piano type	1	No	23.00	23.00	1	23.00
1218	5	a. 20 mm Iron Staple	1	No	1.00	1.00	6	6.00
1222A		b. Nail	100	No	100.00	1.00	12	12.00
1461	6	Washer / Screw	100	No	20.00	0.20	6	1.20
1307	7	100mm x 100mm x 60mm size MS box made of 18 SWG MS sheet.	1	No	18.90	18.90	2	37.80
1322	8	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	250	28.00
1217	9	20 mm PVC Junction Box One Way	1	No	12.00	12.00	1	12.00
1431	10	S.P. 5/6 amp, 250 V one way Piano type switch	1	No	12.00	12.00	1	12.00
1449	11	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	6	3.00
1463	12	Sand and Cement (4:1 ratio)	1	LS/Mtr	4.20	4.20	2.5	10.50
		Total (A1)						345.90
	A2	Cartage 1% of A1						3.46
		Wastage 1% of A1						3.46
		Hire charges for T&P 1% of A1						3.46
		Total (A2)						10.38
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.10	12.90

1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.15	17.40
1004	3	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						43.80
		(A1+A2+A3)						400.08
A4		Overhead charges 10% on (A1+A2+A3)						40.01
		Total(A1+A2+A3+A4)						440.08
							or say Rs.	440.00

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1.16 Circuit / Sub Main wiring in STEEL Conduit

1.16.1 (2 x 1.5 sq.mm + 1 x 1.5 sq.mm)

Recessed wiring to submain in 2 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia STEEL conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1101	1	1.5 sq. mm single core pvc insulated multistrand copper conductor cable	90	Mtr	1,004.00	11.16	101	1,126.71
1101	2	1.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,004.00	11.16	50.5	563.36
1201	3	20 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	40.00	40.00	50	2,000.00
1218	4	20 mm iron staples	1	No	1.00	1.00	85	85.00
1206	5	20 mm inspection / solid bend (1.6 mm thick)	1	No	8.00	8.00	4	32.00
1211	6	20 mm sockets (1.6 mm thick)	1	No	3.00	3.00	15	45.00
		Total (A1)						3,852.07
	A2	Cartage 1% of A1						38.52
		Wastage 1% of A1						38.52
		Phil/Rawl plug, cement, paint etc @ 3% of (3+4)						62.55
		Total (A2)						139.59
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.5	51.50
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total (A3)						1,545.50

Total (A1+A2+A3)	5,537.16
A4 Overhead charges @ 10% on materials	553.72
Grand Total (A1+A2+A3+A4)	6,090.87
Rate per meter in Rs.	121.82
or say Rs	122.00

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1.16 Circuit / Sub Main wiring in STEEL Conduit

1.16.2 (2 x 2.5 sq.mm + 1 x 1.5 sq.mm)

Recessed wiring to submain in 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia STEEL conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1102	1	2.5 sq. mm single core pvc insulated multistrand copper conductor cable	90	Mtr	1,681.00	18.68	101	1,886.46
1101	2	1.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,004.00	11.16	50.5	563.36
1201	3	20 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	40.00	40.00	50	2,000.00
1218	4	20 mm iron staples	1	No	1.00	1.00	85	85.00
1206	5	20 mm inspection / solid bend (1.6 mm thick)	1	No	8.00	8.00	4	32.00
1211	6	20 mm sockets (1.6 mm thick)	1	No	3.00	3.00	15	45.00
		Total (A1)						4,611.81
	A2	Cartage 1% of A1						46.12
		Wastage 1% of A1						46.12
		Phil/Rawl plug, cement, paint etc @ 3% of (3+4)						62.55
		Total (A2)						154.79
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.5	51.50
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total (A3)						1,545.50
		Total (A1+A2+A3)						6,312.10

A4	Overhead charges @ 10% on materials	631.21
	Grand Total (A1+A2+A3+A4)	6,943.31
	Rate per meter in Rs.	138.87
	or say Rs	139.00

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1.16

Circuit / Sub Main wiring in STEEL Conduit

1.16.3

(2 x 4 sq.mm + 1 x 1.5 sq.mm)

Recessed wiring to submain in 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia STEEL conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1103	1	4 sq. mm single core pvc insulated multistrand copper conductor cable	90	Mtr	2,524.00	28.04	101	2,832.49
1101	2	1.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,004.00	11.16	50.5	563.36
1201	3	20 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	40.00	40.00	50	2,000.00
1218	4	20 mm iron staples	1	No	1.00	1.00	85	85.00
1206	5	20 mm inspection / solid bend (1.6 mm thick)	1	No	8.00	8.00	4	32.00
1211	6	20 mm sockets (1.6 mm thick)	1	No	3.00	3.00	15	45.00
		Total (A1)						5,557.84
	A2	Cartage 1% of A1						55.58
		Wastage 1% of A1						55.58
		Phil/Rawl plug, cement, paint etc @ 3% of (3+4)						62.55
		Total (A2)						173.71
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.5	51.50
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total (A3)						1,545.50
		Total (A1+A2+A3)						7,277.05

A4	Overhead charges @ 10% on materials	727.71
	Grand Total (A1+A2+A3+A4)	8,004.76
	Rate per meter in Rs.	160.10
		or say Rs 160.00

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1.16 Circuit / Sub Main wiring in STEEL Conduit

1.16.4 (2 x 6 sq.mm + 1 x 2.5 sq.mm)

Recessed wiring to submain in 2 x 6 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia STEEL conduit 1.6 mm thick along with 1 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1104	1	6 sq. mm single core pvc insulated multistrand copper conductor cable	90	Mtr	3,607.00	40.08	101	4,047.86
1102	2	2.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,681.00	18.68	50.5	943.23
1202	3	25 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	48.00	48.00	50	2,400.00
1219	4	25 mm iron staples	1	No	1.30	1.30	85	110.50
1207	5	25 mm inspection / solid bend (1.6 mm thick)	1	No	9.00	9.00	4	36.00
1212	6	25 mm sockets (1.6 mm thick)	1	No	4.00	4.00	15	60.00
		Total (A1)						7,597.58
	A2	Cartage 1% of A1						75.98
		Wastage 1% of A1						75.98
		Phil/Rawl plug, cement, paint etc @ 3% of (3+4)						75.32
		Total (A2)						227.27
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.5	51.50
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total (A3)						1,545.50
		Total (A1+A2+A3)						9,370.35
	A4	Overhead charges @ 10% on materials						937.04

Grand Total (A1+A2+A3+A4)	10,307.39
Rate per meter in Rs.	206.15
or say Rs	206.00

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1.16 Circuit / Sub Main wiring in STEEL Conduit

1.16.5 (2 x 10 sq.mm + 1 x 4 sq.mm)

Recessed wiring to submain in 2 x 10 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia STEEL 1.6 mm thick along with 1 x 4 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1105	1	10 sq. mm single core pvc insulated multistrand copper conductor cable	100	Mtr	6,969.00	69.69	101	7,038.69
1103	2	4 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	2,524.00	28.04	50.5	1,416.24
1202	3	25 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	48.00	48.00	50	2,400.00
1219	4	25 mm iron staples	1	No	1.30	1.30	85	110.50
1207	5	25 mm inspection / solid bend (1.6 mm thick)	1	No	9.00	9.00	4	36.00
1212	6	25 mm sockets (1.6 mm thick)	1	No	4.00	4.00	15	60.00
		Total (A1)						11,061.43
	A2	Cartage 1% of A1						110.61
		Wastage 1% of A1						110.61
		Phil/Rawl plug, cement,paint etc @ 3% of (3+4)						75.32
		Total (A2)						296.54
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.5	51.50
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total (A3)						1,545.50
		Total (A1+A2+A3)						12,903.48

A4	Overhead charges @ 10% on materials	1,290.35
	Grand Total (A1+A2+A3+A4)	14,193.83
	Rate per meter in Rs.	283.88
	or say Rs	284.00

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1.16

Circuit / Sub Main wiring in STEEL Conduit

1.16.6

(2 x 16 sq.mm + 1 x 10 sq.mm)

Recessed wiring to submain in 2 x 16 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia STEEL 1.6 mm thick along with 1 x 10 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1106	1	16 sq. mm single core pvc insulated multistrand copper conductor cable	100	Mtr	10,416.00	104.16	101	10,520.16
1105	2	10 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	100	Mtr	6,969.00	69.69	50.5	3,519.35
1203	3	32 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	63.00	63.00	50	3,150.00
1220	4	32 mm iron staples	1	No	2.00	2.00	85	170.00
1208	5	32 mm inspection / solid bend (1.6 mm thick)	1	No	24.00	24.00	4	96.00
1213	6	32 mm sockets (1.6 mm thick)	1	No	5.00	5.00	15	75.00
		Total (A1)						17,530.51
	A2	Cartage 1% of A1						175.31
		Wastage 1% of A1						175.31
		Phil/Rawl plug, cement,paint etc @ 3% of (3+4)						99.60
		Total (A2)						450.21
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.5	51.50
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total (A3)						1,545.50
		Total (A1+A2+A3)						19,526.22

A4	Overhead charges @ 10% on materials	1,952.62
	Grand Total (A1+A2+A3+A4)	21,478.84
	Rate per meter in Rs.	429.58
	or say Rs	430.00

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1.16

Circuit / Sub Main wiring in STEEL Conduit

1.16.7

(2 x 25 sq.mm + 1 x 16 sq.mm)

Recessed wiring to submain in 2 x 25 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia STEEL 1.6 mm thick along with 1 x 10 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1107	1	25 sq. mm single core pvc insulated multistrand copper conductor cable	100	Mtr	16,500.00	165.00	101	16,665.00
1106	2	16 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	100	Mtr	10,416.00	104.16	50.5	5,260.08
1203	3	32 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	63.00	63.00	50	3,150.00
1220	4	32 mm iron staples	1	No	2.00	2.00	85	170.00
1208	5	32 mm inspection / solid bend (1.6 mm thick)	1	No	24.00	24.00	4	96.00
1213	6	32 mm sockets (1.6 mm thick)	1	No	5.00	5.00	15	75.00
		Total (A1)						25,416.08
	A2	Cartage 1% of A1						254.16
		Wastage 1% of A1						254.16
		Phil/Rawl plug, cement,paint etc @ 3% of (3+4)						99.60
		Total (A2)						607.92
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.6	61.80
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total (A3)						1,555.80
		Total (A1+A2+A3)						27,579.80

A4	Overhead charges @ 10% on materials	2,757.98
	Grand Total (A1+A2+A3+A4)	30,337.78
	Rate per meter in Rs.	606.76
	or say Rs	607.00

42

1.16 Circuit / Sub Main wiring in STEEL Conduit

1.16.8 (4 x 2.5 sq.mm + 2 x 2.5 sq.mm)

Recessed wiring to submain in 4 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia STEEL conduit 1.6 mm thick along with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1102	1	2.5 sq. mm single core pvc insulated multistrand copper conductor cable	90	Mtr	1,681.00	18.68	202	3,772.91
1102	2	2.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,681.00	18.68	101	1,886.46
1202	3	25 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	48.00	48.00	50	2,400.00
1219	4	25 mm iron staples	1	No	1.30	1.30	85	110.50
1207	5	25 mm inspection / solid bend (1.6 mm thick)	1	No	9.00	9.00	4	36.00
1212	6	25 mm sockets (1.6 mm thick)	1	No	4.00	4.00	15	60.00
		Total (A1)						8,265.87
	A2	Cartage 1% of A1						82.66
		Wastage 1% of A1						82.66
		Phil/Rawl plug, cement,paint etc @ 3% of (3+4)						75.32
		Total (A2)						240.63
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.6	61.80
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total (A3)						1,555.80
		Total (A1+A2+A3)						10,062.30

A4	Overhead charges @ 10% on materials	1,006.23
	Grand Total (A1+A2+A3+A4)	11,068.53
	Rate per meter in Rs.	221.37
	or say Rs	221.00

43

1.16

Circuit / Sub Main wiring in STEEL Conduit

1.16.9

(4 x 4 sq.mm + 2 x 2.5 sq.mm)

Recessed wiring to submain in 4 x 4 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25 mm dia STEEL conduit 1.6 mm thick along with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1103	1	4 sq. mm single core pvc insulated multistrand copper conductor cable	90	Mtr	2,524.00	28.04	202	5,664.98
1102	2	2.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,681.00	18.68	101	1,886.46
1202	3	25 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	48.00	48.00	50	2,400.00
1219	4	25 mm iron staples	1	No	1.30	1.30	85	110.50
1207	5	25 mm inspection / solid bend (1.6 mm thick)	1	No	9.00	9.00	4	36.00
1212	6	25 mm sockets (1.6 mm thick)	1	No	4.00	4.00	15	60.00
		Total (A1)						10,157.93
	A2	Cartage 1% of A1						101.58
		Wastage 1% of A1						101.58
		Phil/Rawl plug, cement,paint etc @ 3% of (3+4)						75.32
		Total (A2)						278.47
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.6	61.80
1004	4	Helper	1	Day	90.00	90.00	7	630.00

Total (A3)	1,555.80
Total (A1+A2+A3)	11,992.21
A4 Overhead charges @ 10% on materials	1,199.22
Grand Total (A1+A2+A3+A4)	13,191.43
Rate per meter in Rs.	263.83
	or say Rs 264.00

44

1.16

Circuit / Sub Main wiring in STEEL Conduit

1.16.10

(4 x 6 sq.mm + 2 x 2.5 sq.mm)

Recessed wiring to submain in 4 x 6 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia STEEL conduit 1.6 mm thick along with 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1104	1	6 sq. mm single core pvc insulated multistrand copper conductor cable	90	Mtr	3,607.00	40.08	202	8,095.71
1102	2	2.5 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	1,681.00	18.68	101	1,886.46
1203	3	32 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	63.00	63.00	50	3,150.00
1220	4	32 mm iron staples	1	No	2.00	2.00	85	170.00
1208	5	32 mm inspection / solid bend (1.6 mm thick)	1	No	24.00	24.00	4	96.00
1213	6	32 mm sockets (1.6 mm thick)	1	No	5.00	5.00	15	75.00
		Total (A1)						13,473.17
	A2	Cartage 1% of A1						134.73
		Wastage 1% of A1						134.73
		Phil/Rawl plug, cement,paint etc @ 3% of (3+4)						99.60
		Total (A2)						369.06
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.6	61.80
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total (A3)						1,555.80

Total (A1+A2+A3)	15,398.03
A4 Overhead charges @ 10% on materials	1,539.80
Grand Total (A1+A2+A3+A4)	16,937.83
Rate per meter in Rs.	338.76
or say Rs	339.00

45

1.16 Circuit / Sub Main wiring in STEEL Conduit

1.16.11 (4 x 10 sq.mm + 2 x 4 sq.mm)

Recessed wiring to submain in 4 x 10 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 40 mm dia STEEL conduit 1.6 mm thick along with 2 x 4 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1105	1	10 sq. mm single core pvc insulated multistrand copper conductor cable	100	Mtr	6,969.00	69.69	202	14,077.38
1103	2	4 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	90	Mtr	2,524.00	28.04	101	2,832.49
1204	3	40 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	81.00	81.00	50	4,050.00
1221	4	40 mm iron staples	1	No	2.50	2.50	85	212.50
1209	5	40 mm inspection / solid bend (1.6 mm thick)	1	No	47.00	47.00	4	188.00
1214	6	40 mm sockets (1.6 mm thick)	1	No	5.00	5.00	15	75.00
		Total (A1)						21,435.37
	A2	Cartage 1% of A1						214.35
		Wastage 1% of A1						214.35
		Phil/Rawl plug, cement,paint etc @ 3% of (3+4)						127.88
		Total (A2)						556.58
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.6	61.80
1004	4	Helper	1	Day	90.00	90.00	7	630.00
		Total (A3)						1,555.80

Total (A1+A2+A3)	23,547.75
A4 Overhead charges @ 10% on materials	2,354.78
Grand Total (A1+A2+A3+A4)	25,902.53
Rate per meter in Rs.	518.05
	or say Rs 518.00

46

1.16 Circuit / Sub Main wiring in STEEL Conduit

1.16.12 (4 x 16 sq.mm + 2 x 10 sq.mm)

Recessed wiring to submain in 4 x 16 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 50 mm dia STEEL conduit 1.6 mm thick along with 2 x 10 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1106	1	16 sq. mm single core pvc insulated multistrand copper conductor cable	100	Mtr	10,416.00	104.16	202	21,040.32
1105	2	10 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	100	Mtr	6,969.00	69.69	101	7,038.69
1205	3	50 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	115.00	115.00	50	5,750.00
1222	4	50 mm iron staples	1	No	3.50	3.50	85	297.50
1210	5	50 mm inspection / solid bend (1.6 mm thick)	1	No	67.00	67.00	4	268.00
1215	6	50 mm sockets (1.6 mm thick)	1	No	12.00	12.00	15	180.00
		Total (A1)						34,574.51
	A2	Cartage 1% of A1						345.75
		Wastage 1% of A1						345.75
		Phil/Rawl plug, cement, paint etc @ 3% of (3+4)						181.43
		Total (A2)						872.92
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.6	61.80
1004	4	Helper	1	Day	90.00	90.00	7.5	675.00
		Total (A3)						1,600.80

Total (A1+A2+A3)	37,048.23
A4 Overhead charges @ 10% on materials	3,704.82
Grand Total (A1+A2+A3+A4)	40,753.05
Rate per meter in Rs.	815.06
	or say 815.00 Rs

47

1.16 Circuit / Sub Main wiring in STEEL Conduit

1.16.13 (4 x 25 sq.mm + 2 x 16 sq.mm)

Recessed wiring to submain in 4 x 25 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 50 mm dia STEEL conduit 1.6 mm thick along with 2 x 16 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as equired.(Make of wire Finolex/L&T/Anchor/Havels/V Guard)

Code No	Sl.No.	Description of materials	Qunty	Unit	Rate in Rs.	Rate / Unit	Qunty required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 mtrs						
	A1	Materials						
1107	1	25 sq. mm single core pvc insulated multistrand copper conductor cable	100	Mtr	16,500.00	165.00	202	33,330.00
1106	2	16 sq. mm. single core pvc insulated multistrand copper conductor cable as earth wire	100	Mtr	10,416.00	104.16	101	10,520.16
1205	3	50 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	115.00	115.00	50	5,750.00
1222	4	50 mm iron staples	1	No	3.50	3.50	85	297.50
1210	5	50 mm inspection / solid bend (1.6 mm thick)	1	No	67.00	67.00	4	268.00
1215	6	50 mm sockets (1.6 mm thick)	1	No	12.00	12.00	15	180.00
		Total (A1)						50,345.66
	A2	Cartage 1% of A1						503.46
		Wastage 1% of A1						503.46
		Phil/Rawl plug, cement,paint etc @ 3% of (3+4)						181.43
		Total (A2)						1,188.34
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	4	516.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1003	3	Painter	1	Day	103.00	103.00	0.6	61.80
1004	4	Helper	1	Day	90.00	90.00	7.5	675.00

Total (A3)	1,600.80
Total (A1+A2+A3)	53,134.80
A4 Overhead charges @ 10% on materials	5,313.48
Grand Total (A1+A2+A3+A4)	58,448.28
Rate per meter in Rs.	1,168.97
	or say Rs 1,169.00

48

1.17

Point Re-wiring

Re-wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor ISI marked and 1.5 sq.mm FR PVC insulated copper conductor single core multistrand copper conductor in existing surface/ recessed PVC/ STEEL conduit including dismantling as required.

1.17.1

Group-A

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 Point								
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	6	66.93
1101	2	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	3	33.47
1461	3	Washer	100	No	20.00	0.20	2	0.40
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	2	1.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	125	14.00
		Total (A1)						115.80
	A2	Cartage 1% of A						1.16
		Hire charges for T&P 1% of A						1.16
		Total (A2)						2.32
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.05	6.45
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.165	19.14
1004	3	Helper	1	Day	90.00	90.00	0.05	4.50
		Total(A3)						30.09

					(A1+A2+A3)	148.21
A4	Overhead charges	10%	on		(A1+A2+A3)	14.82
	Total(A1+A2+A3+A4)					163.03
					Or say	163.00
					Rs	

49

1.17

Point Re-wiring

Re-wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor ISI marked and 1.5 sq.mm FR PVC insulated copper conductor single core multistrand copper conductor in existing surface/ recessed PVC/ STEEL conduit including dismantling as required.

1.17.2

Group-B

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 Point						
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	8	89.24
1101	2	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	4	44.62
1461	3	Washer	100	No	20.00	0.20	2	0.40
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	2	1.00
1322	5	3mm thick Phenolic laminated sheet	6	No	0.70	0.11	125	14.00
		Total (A1)						149.27
	A2	Cartage 1% of A						
		Hire charges for T&P 1% of A						
		Total (A2)						2.99
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.05	6.45
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.165	19.14
1004	3	Helper	1	Day	90.00	90.00	0.05	4.50
		Total(A3)						30.09

	(A1+A2+A3)		182.34
A4	Overhead charges 10% on (A1+A2+A3)		18.23
	Total(A1+A2+A3+A4)		200.58
		Or say Rs	201.00

50

1.17

Point Re-wiring

Re-wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor ISI marked and 1.5 sq.mm FR PVC insulated copper conductor single core multistrand copper conductor in existing surface/ recessed PVC/ STEEL conduit including dismantling as required.

1.17.3

Group-C

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 Point								
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	10	111.56
1101	2	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	5	55.78
1461	3	Washer	100	No	20.00	0.20	2	0.40
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	2	1.00
1322	5	3mm thick Phenolic laminated sheet	6	No	0.70	0.11	125	14.00
		Total (A1)						182.73
	A2	Cartage 1% of A						1.83
		Hire charges for T&P 1% of A						1.83
		Total (A2)						3.65
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.05	6.45
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.165	19.14
1004	3	Helper	1	Day	90.00	90.00	0.05	4.50
		Total(A3)						30.09

					(A1+A2+A3)	216.48
A4	Overhead charges	10%	on		(A1+A2+A3)	21.65
	Total(A1+A2+A3+A4)					238.13
					Or say	238.00
					Rs	

1.18 **51**
Twin control point re-wiring

Rewiring for twin control light point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor and 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire in existing surface recessed steel conduit including dismantling as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 Point						
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	10	111.56
1101	2	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	5	55.78
1223	3	Replacement of bush etc.	1	No	6.00	6.00	2	12.00
		Total (A1)						179.33
	A2	Cartage 1% of A						
		Hire charges for T&P 1% of A						
		Total (A2)						3.59
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.03	3.87
1004	2	Helper	1	Day	90.00	90.00	0.03	2.70
		Total(A3)						6.57
		(A1+A2+A3)						189.49

A4	Overhead charges 10% on (A1+A2+A3)	18.95
	Total(A1+A2+A3+A4)	208.44

**Or say
Rs 208.00**

52 Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.1 **1 x 1.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9

Cost for 50 meters

A1 Materials

1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	50.5	563.36
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Total (A1) 563.36

A2 Cartage 1% of A 5.63

Hire charges for T&P 1% of A 5.63

Total (A2) 11.27

A3 Labour charges

1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
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1004	2	Helper	1	Day	90.00	90.00	2	180.00
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Total(A3) 438.00

(A1+A2+A3) 1,012.62

A4	Overhead charges 10% on (A1+A2+A3)	101.26
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Total(A1+A2+A3+A4) 1,113.88

Rate per meter 22.28

**Or say
Rs 22.00**

**53
Wiring in existing Conduit**

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.2 **2 x 1.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9

Cost for 50 meters

A1 Materials

1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	101	1,126.71
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Total (A1) 1,126.71

A2 Cartage 1% of A 11.27

Hire charges for T&P 1% of A 11.27

Total (A2) 22.53

A3 Labour charges

1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
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1004	2	Helper	1	Day	90.00	90.00	2	180.00
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Total(A3) 438.00

(A1+A2+A3) 1,587.25

A4 Overhead charges 10% on (A1+A2+A3) 158.72

Total(A1+A2+A3+A4) 1,745.97

Rate per meter

34.92

**Or say
Rs 35.00**

54
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.3 **3 x 1.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	151.5	1,690.07
		Total (A1)						1,690.07
	A2	Cartage 1% of A						16.90
		Hire charges for T&P 1% of A						16.90
		Total (A2)						33.80
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						2,161.87
	A4	Overhead charges 10% on (A1+A2+A3)						216.19

55

Wiring in existing Conduit

1.19.4 **4 x 1.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 meters						
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	202	2,253.42
		Total (A1)						2,253.42
	A2	Cartage 1% of A						22.53
		Hire charges for T&P 1% of A						22.53
		Total (A2)						45.07
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						2,736.49
	A4	Overhead charges 10% on (A1+A2+A3)						273.65
		Total(A1+A2+A3+A4)						3,010.14

Rate per meter

60.20

**Or say
Rs 60.00**

56
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.5 **5 x 1.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9

Cost for 50 meters

A1 Materials

1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	252.5	2,816.78
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Total (A1) 2,816.78

A2 Cartage 1% of A 28.17

Hire charges for T&P 1% of A 28.17

Total (A2) 56.34

A3 Labour charges

1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
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1004	2	Helper	1	Day	90.00	90.00	2	180.00
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Total(A3) 438.00

(A1+A2+A3) 3,311.11

A4 Overhead charges 10% on (A1+A2+A3) 331.11

Total(A1+A2+A3+A4) 3,642.22

Rate per meter 72.84

Or say **73.00**
Rs

57

Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.6 6 x 1.5 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 meters						
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	303	3,380.13
		Total (A1)						3,380.13
	A2	Cartage 1% of A						33.80
		Hire charges for T&P 1% of A						33.80
		Total (A2)						67.60
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						3,885.74
	A4	Overhead charges 10% on (A1+A2+A3)						388.57
		Total(A1+A2+A3+A4)						4,274.31
		Rate per meter						85.49

Or say 85.00
Rs

58
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.7 **7 x 1.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	353.5	3,943.49
		Total (A1)						3,943.49
	A2	Cartage 1% of A						39.43
		Hire charges for T&P 1% of A						39.43
		Total (A2)						78.87
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						4,460.36
	A4	Overhead charges 10% on (A1+A2+A3)						446.04
		Total(A1+A2+A3+A4)						4,906.39
		Rate per meter						98.13

59

Wiring in existing Conduit

1.19.8 **8 x 1.5 sq.mm**

Code No	Sl.No.	Description of materials	Qnty	Unit	Rate in Rs.	Rate/U nit	Qnty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 meters						
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	404	4,506.84
		Total (A1)						4,506.84
	A2	Cartage 1% of A						45.07
		Hire charges for T&P 1% of A						45.07
		Total (A2)						90.14
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						5,034.98
	A4	Overhead charges 10% on (A1+A2+A3)						503.50
		Total(A1+A2+A3+A4)						5,538.48
		Rate per meter						110.77

Or say 111.00
Rs

60
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.9 **9 x 1.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9

Cost for 50 meters

A1 Materials

1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	454.5	5,070.20
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Total (A1) 5,070.20

A2 Cartage 1% of A 50.70

Hire charges for T&P 1% of A 50.70

Total (A2) 101.40

A3 Labour charges

1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
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1004	2	Helper	1	Day	90.00	90.00	2	180.00
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Total(A3) 438.00

(A1+A2+A3) 5,609.60

A4 Overhead charges 10% on (A1+A2+A3) 560.96

Total(A1+A2+A3+A4) 6,170.56

Rate per meter 123.41

Or say 123.00
Rs

61

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.10 **10 x 1.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	505	5,633.56
		Total (A1)						5,633.56
	A2	Cartage 1% of A						56.34
		Hire charges for T&P 1% of A						56.34
		Total (A2)						112.67
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						6,184.23
	A4	Overhead charges 10% on (A1+A2+A3)						618.42
		Total(A1+A2+A3+A4)						6,802.65
		Rate per meter						136.05

Or say 136.00
Rs

62
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.11 **2 x 2.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1102	1	2.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,681.00	18.68	101	1,886.46
		Total (A1)						1,886.46
	A2	Cartage 1% of A						18.86
		Hire charges for T&P 1% of A						18.86
		Total (A2)						37.73
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						2,362.18
	A4	Overhead charges 10% on (A1+A2+A3)						236.22
		Total(A1+A2+A3+A4)						2,598.40
		Rate per meter						51.97

Or say **52.00**
Rs

63 Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.12 **3 x 2.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 meters						
	A1	Materials						
1102	1	2.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,681.00	18.68	151.5	2,829.68
		Total (A1)						2,829.68
	A2	Cartage 1% of A						
		Hire charges for T&P 1% of A						28.30
		Total (A2)						56.59
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						3,324.28
	A4	Overhead charges 10% on (A1+A2+A3)						
		Total(A1+A2+A3+A4)						3,656.70
		Rate per meter						73.13

Or say 73.00
Rs

64
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.13 **4 x 2.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1102	1	2.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,681.00	18.68	202	3,772.91
		Total (A1)						3,772.91
	A2	Cartage 1% of A						37.73
		Hire charges for T&P 1% of A						37.73
		Total (A2)						75.46
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						4,286.37
	A4	Overhead charges 10% on (A1+A2+A3)						428.64
		Total(A1+A2+A3+A4)						4,715.01
		Rate per meter						94.30

Or say 94.00
Rs

65
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.14 **5 x 2.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1102	1	2.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,681.00	18.68	252.5	4,716.14
		Total (A1)						4,716.14
	A2	Cartage 1% of A						47.16
		Hire charges for T&P 1% of A						47.16
		Total (A2)						94.32
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						5,248.46
	A4	Overhead charges 10% on (A1+A2+A3)						524.85
		Total(A1+A2+A3+A4)						5,773.31
		Rate per meter						115.47
							Or say Rs	115.00

66
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.15 **6 x 2.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1102	1	2.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,681.00	18.68	303	5,659.37
		Total (A1)						5,659.37
	A2	Cartage 1% of A						56.59
		Hire charges for T&P 1% of A						56.59
		Total (A2)						113.19
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						6,210.55
	A4	Overhead charges 10% on (A1+A2+A3)						621.06
		Total(A1+A2+A3+A4)						6,831.61
		Rate per meter						136.63
							Or say Rs	137.00

67

1.19

1.19.16

Code No	Sl.No.	Description of materials	Qnty	Unit	Rate in Rs.	Rate/Unit	Qnty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1102	1	2.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,681.00	18.68	353.5	6,602.59
	Total (A1)							6,602.59
	A2	Cartage 1% of A						66.03
		Hire charges for T&P 1% of A						66.03
	Total (A2)							132.05
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
	Total(A3)							438.00
	(A1+A2+A3)							7,172.65
	A4	Overhead charges 10% on (A1+A2+A3)						717.26
	Total(A1+A2+A3+A4)							7,889.91
	Rate per meter							157.80
	Or say Rs							158.00

68
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.17 **8 x 2.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1102	1	2.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,681.00	18.68	404	7,545.82
		Total (A1)						7,545.82
	A2	Cartage 1% of A						75.46
		Hire charges for T&P 1% of A						75.46
		Total (A2)						150.92
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						8,134.74
	A4	Overhead charges 10% on (A1+A2+A3)						813.47
		Total(A1+A2+A3+A4)						8,948.21
		Rate per meter						178.96

Or say 179.00
Rs

69
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.18 **9 x 2.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1102	1	2.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,681.00	18.68	454.5	8,489.05
		Total (A1)						8,489.05
	A2	Cartage 1% of A						84.89
		Hire charges for T&P 1% of A						84.89
		Total (A2)						169.78
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						9,096.83
	A4	Overhead charges 10% on (A1+A2+A3)						909.68
		Total(A1+A2+A3+A4)						10,006.51
		Rate per meter						200.13

Or say 200.00
Rs

70
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.19 **10 x 2.5 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1102	1	2.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,681.00	18.68	505	9,432.28
		Total (A1)						9,432.28
	A2	Cartage 1% of A						94.32
		Hire charges for T&P 1% of A						94.32
		Total (A2)						188.65
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						10,058.92
	A4	Overhead charges 10% on (A1+A2+A3)						1,005.89
		Total(A1+A2+A3+A4)						11,064.82
		Rate per meter						221.30

Or say 221.00
Rs

71
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.20 **2 x 4 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1103	1	4 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	2,524.00	28.04	101	2,832.49
		Total (A1)						2,832.49
	A2	Cartage 1% of A						28.32
		Hire charges for T&P 1% of A						28.32
		Total (A2)						56.65
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						3,327.14
	A4	Overhead charges 10% on (A1+A2+A3)						332.71
		Total(A1+A2+A3+A4)						3,659.85
		Rate per meter						73.20

Or say **73.00**
Rs

72

Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.21 **3 x 4 sq.mm**

Code No	Sl.No.	Description of materials	Qnty	Unit	Rate in Rs.	Rate/U nit	Qnty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 meters						
	A1	Materials						
1103	1	4 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	2,524.00	28.04	151.5	4,248.73
		Total (A1)						4,248.73
	A2	Cartage 1% of A						42.49
		Hire charges for T&P 1% of A						42.49
		Total (A2)						84.97
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						4,771.71
	A4	Overhead charges 10% on (A1+A2+A3)						477.17
		Total(A1+A2+A3+A4)						5,248.88
		Rate per meter						104.98

Or say 105.00
Rs

73
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.22 **4 x 4 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1103	1	4 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	2,524.00	28.04	202	5,664.98
		Total (A1)						5,664.98
	A2	Cartage 1% of A						56.65
		Hire charges for T&P 1% of A						56.65
		Total (A2)						113.30
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						6,216.28
	A4	Overhead charges 10% on (A1+A2+A3)						621.63
		Total(A1+A2+A3+A4)						6,837.91
		Rate per meter						136.76

Or say 137.00
Rs

74
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.23 **5 x 4 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9

Cost for 50 meters

A1 Materials

1103	1	4 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	2,524.00	28.04	252.5	7,081.22
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Total (A1) 7,081.22

A2 Cartage 1% of A 70.81

Hire charges for T&P 1% of A 70.81

Total (A2) 141.62

A3 Labour charges

1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
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1004	2	Helper	1	Day	90.00	90.00	2	180.00
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Total(A3) 438.00

(A1+A2+A3) 7,660.85

A4 Overhead charges 10% on (A1+A2+A3) 766.08

Total(A1+A2+A3+A4) 8,426.93

Rate per meter 168.54

Or say 169.00
Rs

75
Wiring in existing Conduit

- 1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.24

6 x 4 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1103	1	4 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	2,524.00	28.04	303	8,497.47
		Total (A1)						8,497.47
	A2	Cartage 1% of A						84.97
		Hire charges for T&P 1% of A						84.97
		Total (A2)						169.95
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						9,105.42
	A4	Overhead charges 10% on (A1+A2+A3)						910.54
		Total(A1+A2+A3+A4)						10,015.96
		Rate per meter						200.32
							Or say Rs	200.00

76
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.25 **7 x 4 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1103	1	4 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	2,524.00	28.04	353.5	9,913.71
		Total (A1)						9,913.71
	A2	Cartage 1% of A						99.14
		Hire charges for T&P 1% of A						99.14
		Total (A2)						198.27
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						10,549.99
	A4	Overhead charges 10% on (A1+A2+A3)						1,055.00
		Total(A1+A2+A3+A4)						11,604.98
		Rate per meter						232.10
							Or say Rs	232.00

77
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.26 **8 x 4 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1103	1	4 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	2,524.00	28.04	404	11,329.96
		Total (A1)						
								11,329.96
	A2	Cartage 1% of A						
								113.30
		Hire charges for T&P 1% of A						113.30
		Total (A2)						226.60
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						11,994.55
	A4	Overhead charges 10% on (A1+A2+A3)						1,199.46
		Total(A1+A2+A3+A4)						13,194.01
		Rate per meter						263.88
								Or say Rs 264.00

78

1.19

1.19.27

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1103	1	4 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	2,524.00	28.04	454.5	12,746.20
		Total (A1)						12,746.20
	A2	Cartage 1% of A						127.46
		Hire charges for T&P 1% of A						127.46
		Total (A2)						254.92
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						13,439.12
	A4	Overhead charges 10% on (A1+A2+A3)						1,343.91
		Total(A1+A2+A3+A4)						14,783.04
		Rate per meter						295.66
							Or say Rs	296.00

Wiring in existing Conduit

- 1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.28 **10 x 4 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1103	1	4 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	2,524.00	28.04	505	14,162.44
	Total (A1)							14,162.44
	A2	Cartage 1% of A						141.62
		Hire charges for T&P 1% of A						141.62
	Total (A2)							283.25
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
	Total(A3)							438.00
	(A1+A2+A3)							14,883.69
	A4	Overhead charges 10% on (A1+A2+A3)						1,488.37
		Total(A1+A2+A3+A4)						16,372.06
		Rate per meter						327.44
							Or say Rs	327.00

80
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.29 **2 x 6 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1104	1	6 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	3,607.00	40.08	101	4,047.86
		Total (A1)						4,047.86
	A2	Cartage 1% of A						40.48
		Hire charges for T&P 1% of A						40.48
		Total (A2)						80.96
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						4,566.81
	A4	Overhead charges 10% on (A1+A2+A3)						456.68
		Total(A1+A2+A3+A4)						5,023.49
		Rate per meter						100.47
							Or say Rs	100.00

81
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.30 **3 x 6 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1104	1	6 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	3,607.00	40.08	151.5	6,071.78
		Total (A1)						6,071.78
	A2	Cartage 1% of A						60.72
		Hire charges for T&P 1% of A						60.72
		Total (A2)						121.44
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						6,631.22
	A4	Overhead charges 10% on (A1+A2+A3)						663.12
		Total(A1+A2+A3+A4)						7,294.34
		Rate per meter						145.89
							Or say Rs	146.00

82
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.31 **4 x 6 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1104	1	6 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	3,607.00	40.08	202	8,095.71
		Total (A1)						8,095.71
	A2	Cartage 1% of A						80.96
		Hire charges for T&P 1% of A						80.96
		Total (A2)						161.91
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						8,695.63
	A4	Overhead charges 10% on (A1+A2+A3)						869.56
		Total(A1+A2+A3+A4)						9,565.19
		Rate per meter						191.30
							Or say Rs	191.00

83
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.32 **5 x 6 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1104	1	6 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	3,607.00	40.08	252.5	10,119.64
		Total (A1)						10,119.64
	A2	Cartage 1% of A						101.20
		Hire charges for T&P 1% of A						101.20
		Total (A2)						202.39
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						10,760.03
	A4	Overhead charges 10% on (A1+A2+A3)						1,076.00
		Total(A1+A2+A3+A4)						11,836.03
		Rate per meter						236.72
							Or say Rs	237.00

84
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.33 **6 x 6 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1104	1	6 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	3,607.00	40.08	303	12,143.57
		Total (A1)						12,143.57
	A2	Cartage 1% of A						121.44
		Hire charges for T&P 1% of A						121.44
		Total (A2)						242.87
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						12,824.44
	A4	Overhead charges 10% on (A1+A2+A3)						1,282.44
		Total(A1+A2+A3+A4)						14,106.88
		Rate per meter						282.14

Or say 282.00
Rs

85
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.34 **7 x 6 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1104	1	6sq.mm FR PVC insulated single core multistrand copper conductor	90	No	3,607.00	40.08	353.5	14,167.49
		Total (A1)						14,167.49
	A2	Cartage 1% of A						141.67
		Hire charges for T&P 1% of A						141.67
		Total (A2)						283.35
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.125	274.13
1004	2	Helper	1	Day	90.00	90.00	2.125	191.25
		Total(A3)						465.38
		(A1+A2+A3)						14,916.22
	A4	Overhead charges 10% on (A1+A2+A3)						1,491.62
		Total(A1+A2+A3+A4)						16,407.84
		Rate per meter						328.16

Or say 328.00
Rs

86
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.35 **8 x 6 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1104	1	6 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	3,607.00	40.08	404	16,191.42
	Total (A1)							16,191.42
	A2	Cartage 1% of A						
		Hire charges for T&P 1% of A						
	Total (A2)							323.83
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.125	274.13
1004	2	Helper	1	Day	90.00	90.00	2.125	191.25
	Total(A3)							465.38
	(A1+A2+A3)							16,980.63
	A4	Overhead charges 10% on (A1+A2+A3)						
		Total(A1+A2+A3+A4)						
		Rate per meter						

Or say 374.00
Rs

87
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.36 **9 x 6 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1104	1	6 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	3,607.00	40.08	454.5	18,215.35
		Total (A1)						18,215.35
	A2	Cartage 1% of A						182.15
		Hire charges for T&P 1% of A						182.15
		Total (A2)						364.31
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.125	274.13
1004	2	Helper	1	Day	90.00	90.00	2.125	191.25
		Total(A3)						465.38
		(A1+A2+A3)						19,045.03
	A4	Overhead charges 10% on (A1+A2+A3)						1,904.50
		Total(A1+A2+A3+A4)						20,949.54
		Rate per meter						418.99

Or say **419.00**
Rs

88
Wiring in existing Conduit

1.19 Supply and drawing of following sizes FR PVC insulated single core multistrand copper conductor in existing surface / recessed STEEL/PVC conduit as required.

1.19.37 **10 x 6 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 meters						
	A1	Materials						
1104	1	6 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	3,607.00	40.08	505	20,239.28
		Total (A1)						20,239.28
	A2	Cartage 1% of A						202.39
		Hire charges for T&P 1% of A						202.39
		Total (A2)						404.79
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2.125	274.13
1004	2	Helper	1	Day	90.00	90.00	2.125	191.25
		Total(A3)						465.38
		(A1+A2+A3)						21,109.44
	A4	Overhead charges 10% on (A1+A2+A3)						2,110.94
		Total(A1+A2+A3+A4)						23,220.38
		Rate per meter						464.41

Or say 464.00
Rs

89

1. 20

Telephone wiring in existing conduit

Supplying and drawing following pair, 0.5 sq.mm FR PVC insulated coper conductor, unarmoured telephone cable in existing surface / recessed steel / PVC conduit as required.

1.20.1

1 pair

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1111	1	1 Pair, o.5 sq.mm copper consuctor, FR PVC insulated unarmoured, telephone cable	1	Mtr	5.50	5.50	50.5	277.75
		Total (A1)						277.75
	A2	Cartage 1% of A						2.78
		Wastage 1% of A						2.78
		Hire charges for T&P 1% of A						2.78
		Total (A2)						8.33
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
		Total(A3)						438.00
		(A1+A2+A3)						724.08
		(A4)Overhead charges 10% on (A1+A2+A3)						72.41
		Total(A1+A2+A3+A4)						796.49
								15.93

1. 20 Telephone wiring in existing conduit

1.20.2 **2 pair**

[illegible]

1. 20 Telephone wiring in existing conduit

1.20.3 **4 pair**

[illegible]

1.21 **92**
TV cable in existing conduit

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meters								
	A1	Materials						
1114	1	TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated shielded with fine tined copper braid and protected with FR PVC sheath	1	Mtr	5.00	5.00	50.5	252.50
	Total (A1)							252.50
	A2	Cartage 1% of A						2.53
		Wastage 1% of A						2.53
		Hire charges for T&P 1% of A						2.53
	Total (A2)							7.58
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	2	258.00
1004	2	Helper	1	Day	90.00	90.00	2	180.00
	Total(A3)							438.00
	(A1+A2+A3)							698.08
		(A4)Overhead charges 10% on (A1+A2+A3)						69.81
	Total(A1+A2+A3+A4)							767.88
								15.36

or say **15.00**
Rs

93

1.22

S/F STEEL CONDUIT

Supplying and fixing of following sizes of Steel conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.

1.22.1		20mm						
Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1201	1	20 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	40.00	40.00	50	2,000.00
1218	2	a. 20 mm dia Iron staple	1	No	1.00	1.00	85	85.00
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1211	3	20 mm socket	1	No	3.00	3.00	15	45.00
1463	4	Cements & sands (4:1)	1	LS	4.20	4.20	50	210.00
		Total (A1)						2,510.00
	A2	Cartage 1% of A						25.10
		Wastage 1% of A						25.10
		Hire charges for T&P 1% of A						25.10
		Total (A2)						75.30
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1.5	193.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1004	3	Helper	1	Day	90.00	90.00	4.5	405.00
		Total(A3)						946.50
		(A1+A2+A3)						3,531.80
		(A4)Overhead charges 10% on (A1+A2+A3)						353.18
		Total(A1+A2+A3+A4)						3,884.98
		Rate per meter						77.70

Or say **78.00**
Rs

94

1.22

S/F STEEL CONDUIT

Supplying and fixing of following sizes of Steel conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.

1.22.2

25mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 meter						
	A1	Materials						
1202	1	25 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	48.00	48.00	50	2,400.00
1219	2	a. 25 mm dia Iron staple	1	No	1.30	1.30	85	110.50
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1212	3	25 mm socket	1	No	4.00	4.00	15	60.00
1463	4	Cements & sands (4:1)	1	LS	4.20	4.20	50	210.00
		Total (A1)						2,950.50
	A2	Cartage 1% of A						29.51
		Wastage 1% of A						29.51
		Hire charges for T&P 1% of A						29.51
		Total (A2)						88.52
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1.5	193.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1004	3	Helper	1	Day	90.00	90.00	4.5	405.00
		Total(A3)						946.50
		(A1+A2+A3)						3,985.52
		(A4)Overhead charges 10% on (A1+A2+A3)						398.55
		Total(A1+A2+A3+A4)						4,384.07
		Rate per meter						87.68

Or say 88.00
Rs

95

1.22

S/F STEEL CONDUIT

Supplying and fixing of following sizes of Steel conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.

1.22.3

32mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1203	1	32 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	63.00	63.00	50	3,150.00
1220	2	a. 32 mm dia Iron staple	1	No	2.00	2.00	85	170.00
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1213	3	32 mm PVC coupler	1	No	5.00	5.00	15	75.00
1463	4	Cements & sands (4:1)	1	LS	4.20	4.20	50	210.00
		Total (A1)						3,775.00
	A2	Cartage 1% of A						37.75
		Wastage 1% of A						37.75
		Hire charges for T&P 1% of A						37.75
		Total (A2)						113.25
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1.6	206.40
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1004	3	Helper	1	Day	90.00	90.00	4.6	414.00
		Total(A3)						968.40
		(A1+A2+A3)						4,856.65
		(A4)Overhead charges 10% on (A1+A2+A3)						485.67
		Total(A1+A2+A3+A4)						5,342.32
		Rate per meter						106.85

Or say 107.00
Rs

96

1.22

S/F STEEL CONDUIT

Supplying and fixing of following sizes of Steel conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.

1.22.4

40mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1204	1	40 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	81.00	81.00	50	4,050.00
1221	2	a. 40 mm dia Iron staple	1	No	2.50	2.50	100	250.00
1222A		b. Nail	100	No	100.00	1.00	200	200.00
1214	3	40 mm socket	1	No	5.00	5.00	15	75.00
1463	4	Cements & sands (4:1)	1	LS	4.20	4.20	50	210.00
		Total (A1)						4,785.00
	A2	Cartage 1% of A						47.85
		Wastage 1% of A						47.85
		Hire charges for T&P 1% of A						47.85
		Total (A2)						143.55
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1.6	206.40
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1004	3	Helper	1	Day	90.00	90.00	4.6	414.00
		Total(A3)						968.40
		(A1+A2+A3)						5,896.95
		(A4)Overhead charges 10% on (A1+A2+A3)						589.70
		Total(A1+A2+A3+A4)						6,486.65
		Rate per meter						129.73

Or say 130.00
Rs

97
S/F STEEL CONDUIT

1.22

Supplying and fixing of following sizes of Steel conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.

1.22.5

50mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1205	1	50 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	115.00	115.00	50	5,750.00
1222	2	a. 50 mm dia Iron staple	1	No	3.50	3.50	85	297.50
1222A	3	b. Nail	100	No	100.00	1.00	170	170.00
1215	3	40 mm socket	1	No	12.00	12.00	15	180.00
1463	4	Cements & sands (4:1)	1	LS	4.20	4.20	50	210.00
		Total (A1)						6,607.50
	A2	Cartage 1% of A						66.08
		Wastage 1% of A						66.08
		Hire charges for T&P 1% of A						66.08
		Total (A2)						198.23
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1.5	193.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1004	3	Helper	1	Day	90.00	90.00	4.5	405.00
		Total(A3)						946.50
		(A1+A2+A3)						7,752.23
		(A4)Overhead charges 10% on (A1+A2+A3)						775.22
		Total(A1+A2+A3+A4)						8,527.45
		Rate per meter						170.55

Or say 171.00
Rs

98
S/F PVC CONDUIT

1.23

Supplying and fixing of following sizes of PVC conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.

1.23.1

20mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1224A	1	20 mm dia flexible PVC conduit	1	Kg	50.00	50.00	6.75	337.50
1218	2	a. 20 mm dia Iron staple	1	No	1.00	1.00	85	85.00
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1234	3	20 mm PVC coupler (1.6 mm thick)	1	No	2.05	2.05	15	30.75
1463	4	Cements & sands (4:1)	1	LS	4.20	4.20	50	210.00
		Total (A1)						833.25
	A2	Cartage 1% of A						8.33
		Wastage 1% of A						8.33
		Hire charges for T&P 1% of A						8.33
		Total (A2)						25.00
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1.5	193.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1004	3	Helper	1	Day	90.00	90.00	4.5	405.00
		Total(A3)						946.50
		(A1+A2+A3)						1,804.75
		(A4)Overhead charges 10% on (A1+A2+A3)						180.47
		Total(A1+A2+A3+A4)						1,985.22
		Rate per meter						39.70

Or say
Rs 40.00

1.23 **99**
S/F PVC CONDUIT

Supplying and fixing of following sizes of PVC conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.

1.23.2 **25mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1225A	1	25 mm dia flexible PVC conduit	1	Kg	50.00	50.00	8	400.00
1219	2	a. 25 mm dia Iron staple	1	No	1.30	1.30	85	110.50
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1235	3	25 mm PVC coupler (1.6 mm thick)	1	No	2.90	2.90	15	43.50
1463	4	Cements & sands (4:1)	1	LS	4.20	4.20	50	210.00
		Total (A1)						934.00
	A2	Cartage 1% of A						9.34
		Wastage 1% of A						9.34
		Hire charges for T&P 1% of A						9.34
		Total (A2)						28.02
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1.5	193.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1004	3	Helper	1	Day	90.00	90.00	4.5	405.00
		Total(A3)						946.50
		(A1+A2+A3)						1,908.52
		(A4)Overhead charges 10% on (A1+A2+A3)						190.85
		Total(A1+A2+A3+A4)						2,099.37
		Rate per meter						41.99

Or say **42.00**
Rs

1.23 **100**
S/F PVC CONDUIT

Supplying and fixing of following sizes of PVC conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.

1.23.3		32mm						
Code No	Sl.No.	Description of materials	Qnty	Unit	Rate in Rs.	Rate/Unit	Qnty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1226A	1	32 mm dia flexible PVC conduit	1	Kg	50.00	50.00	12.5	625.00
1220	2	a. 32 mm dia Iron staple	1	No	2.00	2.00	85	170.00
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1236	3	32 mm PVC coupler (1.6 mm thick)	1	No	4.15	4.15	15	62.25
1463	4	Cements & sands (4:1)	1	LS	4.20	4.20	50	210.00
		Total (A1)						1,237.25
	A2	Cartage 1% of A						12.37
		Wastage 1% of A						12.37
		Hire charges for T&P 1% of A						12.37
		Total (A2)						37.12
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1.6	206.40
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1004	3	Helper	1	Day	90.00	90.00	4.6	414.00
		Total(A3)						968.40
		(A1+A2+A3)						2,242.77
		(A4)Overhead charges 10% on (A1+A2+A3)						224.28
		Total(A1+A2+A3+A4)						2,467.04

Rate per meter	49.34
Or say Rs	49.00

1.23 **101
S/F PVC CONDUIT**

Supplying and fixing of following sizes of PVC conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.

1.23.4 **40mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1227A	1	40 mm dia flexible PVC conduit	1	Kg	50.00	50.00	15	750.00
1221	2	a. 40 mm dia Iron staple	1	No	2.50	2.50	100	250.00
1222A		b. Nail	100	No	100.00	1.00	200	200.00
1237	3	40 mm PVC coupler (1.6 mm thick)	1	No	6.70	6.70	15	100.50
1463	4	Cements & sands (4:1)	1	LS	4.20	4.20	50	210.00
		Total (A1)						1,510.50
	A2	Cartage 1% of A						15.11
		Wastage 1% of A						15.11
		Hire charges for T&P 1% of A						15.11
		Total (A2)						45.32
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1.6	206.40
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1004	3	Helper	1	Day	90.00	90.00	4.6	414.00
		Total(A3)						968.40
		(A1+A2+A3)						2,524.22
		(A4)Overhead charges 10% on (A1+A2+A3)						252.42
		Total(A1+A2+A3+A4)						2,776.64

Rate per meter	55.53
Or say Rs	56.00

1.23 **102
S/F PVC CONDUIT**

Supplying and fixing of following sizes of PVC conduit along with accessories in recessed wiring including cutting the wall and making good the same in case of recessed conduit as required.

1.23.5 **50mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1224A	1	50 mm dia flexible PVC conduit	1	Kg	50.00	50.00	18.75	937.50
1218	2	a. 50 mm dia Iron staple	1	No	3.50	3.50	85	297.50
1222A		b. Nail	100	No	100.00	1.00	170	170.00
1238	3	50 mm PVC coupler (1.6 mm thick)	1	No	9.30	9.30	15	139.50
1463	4	Cements & sands (4:1)	1	LS	4.20	4.20	50	210.00
		Total (A1)						1,754.50
	A2	Cartage 1% of A						17.55
		Wastage 1% of A						17.55
		Hire charges for T&P 1% of A						17.55
		Total (A2)						52.64
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1.5	193.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	3	348.00
1004	3	Helper	1	Day	90.00	90.00	4.5	405.00
		Total(A3)						946.50
		(A1+A2+A3)						2,753.64
		(A4)Overhead charges 10% on (A1+A2+A3)						275.36
		Total(A1+A2+A3+A4)						3,029.00

Rate per meter	60.58
Or say Rs	61.00

1.24 **103
S/F of METAL BOXES**

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.1 **75 mm x 75 mm x 60 mm deep**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1306	1	75 mm x 75 mm x 60 mm deep M.S. box	1	No	14.85	14.85	1	14.85
1222A	2	Nail / screw	100	No	100.00	1.00	2	2.00
1461	3	Washer	100	No	20.00	0.20	2	0.40
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	2	1.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	62.5	7.00
		Total (A1)						
								25.25
	A2	Cartage 1% of A						
								0.25
		Hire charges for T&P 1% of A						0.25
		Total (A2)						0.51
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.06	6.96
1004	3	Helper	1	Day	90.00	90.00	0.1	9.00
		Total(A3)						21.12
		(A1+A2+A3)						46.88
	A4	Overhead charges 10% on (A1+A2+A3)						
								4.69

Total(A1+A2+A3+A4)

51.56

Or say
Rs

52.00

104

1.24

S/F of METAL BOXES

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.2

100 mm x 100 mm x 60 mm deep

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1307	1	100 mm x 100 mm x 60 mm deep M.S. box	1	No	18.90	18.90	1	18.90
1222A	2	Nail / screw	100	No	100.00	1.00	2	2.00
1461	3	Washer	100	No	20.00	0.20	2	0.40
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	2	1.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	125	14.00
		Total (A1)						36.30
	A2	Cartage 1% of A						0.36
		Hire charges for T&P 1% of A						0.36
		Total (A2)						0.73
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.06	6.96
1004	3	Helper	1	Day	90.00	90.00	0.1	9.00
		Total(A3)						21.12
		(A1+A2+A3)						58.15
	A4	Overhead charges 10% on (A1+A2+A3)						5.81

63.96

64.00

1.24

1.24.3

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1308	1	150 mm x 75 mm x 60 mm deep M.S. box	1	No	20.70	20.70	1	20.70
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	136	15.23
		Total (A1)						42.73
	A2	Cartage 1% of A						0.43
		Hire charges for T&P 1% of A						0.43
		Total (A2)						0.85
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.06	6.96
1004	3	Helper	1	Day	90.00	90.00	0.1	9.00
		Total(A3)						21.12
		(A1+A2+A3)						64.71

A4	Overhead charges 10% on (A1+A2+A3)	6.47
	Total(A1+A2+A3+A4)	71.18
	Or say	71.00
	Rs	

106
S/F of METAL BOXES

1.24

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.4 150 mm x 150 mm x 60 mm deep

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1309	1	150 mm x 150 mm x 60 mm deep M.S. box	1	No	28.80	28.80	1	28.80
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	11	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	4	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	256	28.67
		Total (A1)						64.27
	A2	Cartage 1% of A						0.64
		Hire charges for T&P 1% of A						0.64
		Total (A2)						1.29
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.06	6.96
1004	3	Helper	1	Day	90.00	90.00	0.1	9.00
		Total(A3)						21.12
		(A1+A2+A3)						86.68
	A4	Overhead charges 10% on (A1+A2+A3)						8.67

Total(A1+A2+A3+A4)

95.35

Or say
Rs

95.00

107

1.24

S/F of METAL BOXES

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.5

180 mm x 100 mm x 60 mm deep

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1310	1	180 mm x 100 mm x 60 mm deep M.S. box	1	No	25.65	25.65	1	25.65
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	205	22.96
		Total (A1)						55.41
	A2	Cartage 1% of A						0.55
		Hire charges for T&P 1% of A						0.55
		Total (A2)						1.11
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.06	6.96
1004	3	Helper	1	Day	90.00	90.00	0.1	9.00
		Total(A3)						21.12
		(A1+A2+A3)						77.64
	A4	Overhead charges 10% on (A1+A2+A3)						7.76

Total(A1+A2+A3+A4)

85.40

Or say
Rs**85.00**

108
S/F of METAL BOXES

1.24

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.6

200 mm x 125 mm x 60 mm deep

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1311	1	200 mm x 125 mm x 60 mm deep M.S. box	1	No	31.50	31.50	1	31.50
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	284	31.81
		Total (A1)						70.11
	A2	Cartage 1% of A						0.70
		Hire charges for T&P 1% of A						0.70
		Total (A2)						1.40
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.115	10.35
		Total(A3)						24.21
		(A1+A2+A3)						95.72
	A4	Overhead charges 10% on (A1+A2+A3)						9.57

Total(A1+A2+A3+A4)

105.29

Or say
Rs. **105.00****109**

1.24

S/F of METAL BOXES

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.7

200 mm x 150 mm x 60 mm deep

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1312	1	200 mm x 150 mm x 60 mm deep M.S. box	1	No	33.75	33.75	1	33.75
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	336	37.63
		Total (A1)						78.18
	A2	Cartage 1% of A						0.78
		Hire charges for T&P 1% of A						0.78
		Total (A2)						1.56
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.115	10.35
		Total(A3)						24.21
		(A1+A2+A3)						103.96
	A4	Overhead charges 10% on (A1+A2+A3)						10.40
		Total(A1+A2+A3+A4)						114.35

Or say 114.00
Rs

110
S/F of METAL BOXES

1.24

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.8 **200 mm x 150 mm x 75mm deep**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1313	1	200 mm x 150 mm x 75 mm deep M.S. box	1	No	38.00	38.00	1	38.00
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	336	37.63
		Total (A1)						82.43
	A2	Cartage 1% of A						0.82
		Hire charges for T&P 1% of A						0.82
		Total (A2)						1.65
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.115	10.35
		Total(A3)						24.21
		(A1+A2+A3)						108.29
	A4	Overhead charges 10% on (A1+A2+A3)						10.83
		Total(A1+A2+A3+A4)						119.12

Or say 119.00
Rs

111

1.24

S/F of METAL BOXES

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.9

200 mm x 250 mm x 75mm deep

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1314	1	200 mm x 250 mm x 75 mm deep M.S. box	1	No	51.30	51.30	1	51.30
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	557	62.38
		Total (A1)						
								120.48
	A2	Cartage 1% of A						1.20
		Hire charges for T&P 1% of A						1.20
		Total (A2)						2.41
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.115	10.35
		Total(A3)						24.21
		(A1+A2+A3)						147.10
	A4	Overhead charges 10% on (A1+A2+A3)						14.71
		Total(A1+A2+A3+A4)						161.81

Or say **162.00**
Rs

112
S/F of METAL BOXES

1.24

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.10 **200 mm x 150 mm x 100 mm deep**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1315	1	200 mm x 150 mm x 100 mm deep M.S. box	1	No	62.00	62.00	1	62.00
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	336	37.63
		Total (A1)						106.43
	A2	Cartage 1% of A						1.06
		Hire charges for T&P 1% of A						1.06
		Total (A2)						2.13
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.115	10.35
		Total(A3)						24.21
		(A1+A2+A3)						132.77
	A4	Overhead charges 10% on (A1+A2+A3)						13.28
		Total(A1+A2+A3+A4)						146.05

Or say 146.00
Rs

113
S/F of METAL BOXES

1.24

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.11 **200 mm x 250 mm x 100 mm deep**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1316	1	200 mm x 250 mm x 100 mm deep M.S. box	1	No	71.00	71.00	1	71.00
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	557	62.38
		Total (A1)						140.18
	A2	Cartage 1% of A						1.40
		Hire charges for T&P 1% of A						1.40
		Total (A2)						2.80
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.115	10.35
		Total(A3)						24.21
		(A1+A2+A3)						167.20
	A4	Overhead charges 10% on (A1+A2+A3)						16.72
		Total(A1+A2+A3+A4)						183.92

Or say **184.00**
Rs

114
S/F of METAL BOXES

1.24

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.12 **200 mm x 300 mm x 100 mm deep**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1317	1	200 mm x 300 mm x 100 mm deep M.S. box	1	No	72.00	72.00	1	72.00
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	662	74.14
		Total (A1)						152.94
	A2	Cartage 1% of A						1.53
		Hire charges for T&P 1% of A						1.53
		Total (A2)						3.06
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.115	10.35
		Total(A3)						24.21
		(A1+A2+A3)						180.21
	A4	Overhead charges 10% on (A1+A2+A3)						18.02
		Total(A1+A2+A3+A4)						198.23

Or say 198.00
Rs

115
S/F of METAL BOXES

1.24

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.13 250 mm x 300 mm x 100 mm deep

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1318	1	250 mm x 300 mm x 100 mm deep M.S. box	1	No	81.00	81.00	1	81.00
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	835	93.52
		Total (A1)						181.32
	A2	Cartage 1% of A						1.81
		Hire charges for T&P 1% of A						1.81
		Total (A2)						3.62
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.05	6.45
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						26.40
		(A1+A2+A3)						211.34
	A4	Overhead charges 10% on (A1+A2+A3)						21.13
		Total(A1+A2+A3+A4)						232.47

Or say 232.00
Rs

116
S/F of METAL BOXES

1.24

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.14

200 mm x 250 mm x 60 mm deep

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 set						
	A1	Materials						
1319	1	200 mm x 250 mm x 60 mm deep M.S. box	1	No	50.00	50.00	1	50.00
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	557	62.38
		Total (A1)						119.18
	A2	Cartage 1% of A						1.19
		Hire charges for T&P 1% of A						1.19
		Total (A2)						2.38
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.115	10.35
		Total(A3)						24.21
		(A1+A2+A3)						145.78
	A4	Overhead charges 10% on (A1+A2+A3)						14.58
		Total(A1+A2+A3+A4)						160.36

Or say 160.00
De

117
S/F of METAL BOXES

1.24

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.15 200 mm x 300 mm x 60 mm deep

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1320	1	200 mm x 300 mm x 60 mm deep M.S. box	1	No	70.00	70.00	1	70.00
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	662	74.14
		Total (A1)						150.94
	A2	Cartage 1% of A						1.51
		Hire charges for T&P 1% of A						1.51
		Total (A2)						3.02
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.115	10.35
		Total(A3)						24.21
		(A1+A2+A3)						178.17
	A4	Overhead charges 10% on (A1+A2+A3)						17.82
		Total(A1+A2+A3+A4)						195.99

Or say **196.00**
Rs

118
S/F of METAL BOXES

1.24

Supplying and fixing of 16 / 18 SWG metal box of following sizes (nominal size) on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required.

1.24.16

250 mm x 300 mm x 60 mm deep

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1321	1	250 mm x 300 mm x 60 mm deep M.S. box	1	No	75.00	75.00	1	75.00
1222A	2	Nail / screw	100	No	100.00	1.00	4	4.00
1461	3	Washer	100	No	20.00	0.20	4	0.80
1449	4	Al alloy / cadmium plated iron screw	100	No	50.00	0.50	4	2.00
1322	5	3mm thick Phenolic laminated sheet	6	sq.cm	0.70	0.11	835	93.52
		Total (A1)						
								175.32
	A2	Cartage 1% of A						1.75
		Hire charges for T&P 1% of A						1.75
		Total (A2)						3.51
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.075	8.70
1004	3	Helper	1	Day	90.00	90.00	0.115	10.35
		Total(A3)						24.21
		(A1+A2+A3)						203.04
	A4	Overhead charges 10% on (A1+A2+A3)						20.30
		Total(A1+A2+A3+A4)						223.34

Or say 223.00
Rs

119
SWITCHES AND ACCESSORIES

1.25 **S/F of PIANO TYPE SWITCH / SOCKET ISI MARKED**

Supplying and fixing of following piano type switch / socket on the existing switch box / cover including connections etc as required.

1.25.1 **5 / 6 amp switch**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 set						
	A1	Materials						
1431	1	S.P. 5 / 6 amp one way switch piano type (Make-Anchor / Cona)	1	No	12.00	12.00	1	12.00
1449	2	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	2	1.00
		Total (A1)						13.00
	A2	Cartage 1% of A						0.13
		Hire charges for T&P 1% of A						0.13
		Total (A2)						0.26
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.03	3.87
1004	2	Helper	1	Day	90.00	90.00	0.03	2.70
		Total(A3)						6.57
		(A1+A2+A3)						19.83
	A4	Overhead charges 10% on (A1+A2+A3)						1.98
		Total(A1+A2+A3+A4)						21.81

Or say 22.00
Rs

120

1.25

S/F of PIANO TYPE SWITCH / SOCKET ISI MARKED

Supplying and fixing of following piano type switch / socket on the existing switch box / cover including connections etc as required.

1.25.2

5 / 6 amp switch, 2 way

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1432	1	S.P. 5 / 6 amp two way switch piano type (Make-Anchor / Cona)	1	No	14.00	14.00	1	14.00
1449	2	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	2	1.00
		Total (A1)						
								15.00
	A2	Cartage 1% of A						
								0.15
		Hire charges for T&P 1% of A						0.15
		Total (A2)						0.30
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.03	3.87
1004	2	Helper	1	Day	90.00	90.00	0.03	2.70
		Total(A3)						6.57
		(A1+A2+A3)						21.87
	A4	Overhead charges 10% on (A1+A2+A3)						2.19
		Total(A1+A2+A3+A4)						24.06
								Or say Rs 24.00

1.25

S/F of PIANO TYPE SWITCH / SOCKET ISI MARKED

Supplying and fixing of following piano type switch / socket on the existing switch box / cover including connections etc as required.

1.25.3

15 / 16 amp switch

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 set						
	A1	Materials						
1433	1	S.P. 15 / 16 amp one way switch piano type (Make-Anchor / Cona)	1	No	48.00	48.00	1	48.00
1449	2	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	2	1.00
		Total (A1)						49.00
	A2	Cartage 1% of A						0.49
		Hire charges for T&P 1% of A						0.49
		Total (A2)						0.98
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		(A1+A2+A3)						58.74
	A4	Overhead charges 10% on (A1+A2+A3)						5.87
		Total(A1+A2+A3+A4)						64.61
							Or say Rs	65.00

1.25

S/F of PIANO TYPE SWITCH / SOCKET ISI MARKED

Supplying and fixing of following piano type switch / socket on the existing switch box / cover including connections etc as required.

1.25.4

3 pin 5 / 6 amp socket outlet

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1434	1	S.P. 5 / 6 amp socket out let piano type (Make-Anchor / Cona)	1	No	23.00	23.00	1	23.00
1449	2	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	2	1.00
		Total (A1)						24.00
	A2	Cartage 1% of A						0.24
		Hire charges for T&P 1% of A						0.24
		Total (A2)						0.48
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.03	3.87
1004	2	Helper	1	Day	90.00	90.00	0.03	2.70
		Total(A3)						6.57
		(A1+A2+A3)						31.05
	A4	Overhead charges 10% on (A1+A2+A3)						3.11
		Total(A1+A2+A3+A4)						34.16
							Or say Rs	34.00

1.25

S/F of PIANO TYPE SWITCH / SOCKET ISI MARKED

Supplying and fixing of following piano type switch / socket on the existing switch box / cover including connections etc as required.

1.25.5

6 pin 15 / 16 amp socket outlet

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1435	1	S.P. 15 / 16 amp socket out let piano type (Make-Anchor / Cona)	1	No	50.00	50.00	1	50.00
1449	2	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	2	1.00
		Total (A1)						
								51.00
	A2	Cartage 1% of A						
								0.51
		Hire charges for T&P 1% of A						0.51
		Total (A2)						1.02
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		(A1+A2+A3)						60.78
	A4	Overhead charges 10% on (A1+A2+A3)						6.08
		Total(A1+A2+A3+A4)						66.86
								Or say Rs 67.00

1.25.6

S/F of Telephone socket out let, piano type

Supplying and fixing telephone socket outlet piano type ISI marked on the existing switch board / cover including connections etc as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1437	1	Telephone socket outlet piano type ISI marked	1	No	22.00	22.00	1	22.00
1449	2	Al.alloy / cadmium iron screws 25mm	100	No	50.00	0.50	2	1.00
		Total (A1)						23.00
	A2	Cartage 1% of A						0.23
		Hire charges for T&P 1% of A						0.23
		Total (A2)						0.46
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.05	6.45
1004	2	Helper	1	Day	90.00	90.00	0.05	4.50
		Total(A3)						10.95
		(A1+A2+A3)						34.41
	A4	Overhead charges 10% on (A1+A2+A3)						3.44
		Total(A1+A2+A3+A4)						37.85
							Or say Rs	38.00

1.25.7

S/F of T.V. antenna socket outlet, piano type

Supplying and fixing T.V. antenna socket outlet piano type ISI marked on the existing switch board / cover including connections etc as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1438	1	T.V. socket outlet piano type ISI marked	1	No	18.00	18.00	1	18.00
1449	2	Al.alloy / cadmium iron screws 25mm	100	No	50.00	0.50	2	1.00
		Total (A1)						19.00
	A2	Cartage 1% of A						0.19
		Hire charges for T&P 1% of A						0.19
		Total (A2)						0.38
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.05	6.45
1004	2	Helper	1	Day	90.00	90.00	0.05	4.50
		Total(A3)						10.95
		(A1+A2+A3)						30.33
	A4	Overhead charges 10% on (A1+A2+A3)						3.03
		Total(A1+A2+A3+A4)						33.36
							Or say Rs	33.00

126

S/F power plug point piano type accessories

1.26

Supplying and fixing of metal box of 150 mm x 75 mm x 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5 / 6 amps socket outlet and 5 / 6 amps piano type switch, connection, painting etc as required. (For light plugs to be used in non residential buildings)

Code No	Sl.No.	Description of materials	Quantity	Unit	Rate in Rs.	Rate/Unit	Quantity required	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for one No								
	A1	Materials						
1308	1	150mm x 75mm x 60mm deep metal box 18 SWG	1	No	20.70	20.70	1	20.70
1322	2	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	136	15.23
1434	3	5 pin 5 / 6 amps, socket outlet, piano type ISI marked	1	No	23.00	23.00	1	23.00
1431	4	S.P. 5/6 amp, 250 V one way Piano type switch	1	No	12.00	12.00	1	12.00
1449	5	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	8	4.00
1461	6	Washer / Screw	100	No	20.00	0.20	8	1.60
		Total (A1)						76.53
	A2	Cartage 1% of A1						0.77
		Wastage 1% of A1						0.77
		Phil/Rawl plug, cement,paint etc @ 3% of (1) of A1						0.62
		Total (A2)						2.15
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.10	12.90
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.04	4.64
1003	3	Painter	1	Day	103.00	103.00	0.02	1.55
1004	4	Helper	1	Day	90.00	90.00	0.14	12.60
		Total(A3)						31.69
		(A1+A2+A3)						110.37
	A4	Overhead charges 10% on (A1+A2+A3)						11.04
		Total(A1+A2+A3+A4)						121.41

or say 207.00

S/F power plug point piano type accessories

Supplying and fixing of metal box of 180 mm x 100 mm x 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5 / 6 amps socket outlet and 5 / 6 amps piano type switch, connection, painting etc as required. (For light plugs to be used in non residential buildings)

Code No	Sl.No.	Description of materials	Quantity	Unit	Rate in Rs.	Rate/Unit	Quantity required	Amount in Rs.	
1	2	3	4	5	6	7	8	9	
Cost for one No									
	A1	Materials							
1310	1	180mm x 100mm x 60mm deep metal box 18 SWG	1	No	25.65	25.65	1	25.65	
1322	2	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	209	23.41	
1435	3	5 pin 15 / 16 amps, socket outlet, piano type ISI marked	1	No	50.00	50.00	1	50.00	
1433	4	S.P. 15 / 16 amps, one way switch, piano type ISI marked	1	No	48.00	48.00	1	48.00	
1449	5	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	8	4.00	
1461	6	Washer / Screw	100	No	20.00	0.20	8	1.60	
	Total (A1)							152.66	
	A2	Cartage 1% of A1							1.53
		Wastage 1% of A1							1.53
		Phil/Rawl plug, cement,paint etc @ 3% of (1) of A1							0.77
	Total (A2)							3.82	
	A3	Labour charges							
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.10	12.90	
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.04	4.64	
1003	3	Painter	1	Day	103.00	103.00	0.02	1.55	
1004	4	Helper	1	Day	90.00	90.00	0.14	12.60	
	Total(A3)							31.69	
	(A1+A2+A3)							188.17	
	A4	Overhead charges 10% on (A1+A2+A3)							18.82
	Total(A1+A2+A3+A4)							206.98	

1.28

S/F of Urea Ceiling Rose ISI marked.

Supplying and fixing of 3 pin, 5 amp ceiling rose ISI marked on the existing junction box / wooden block including connection etc. as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1401	1	3 pin, 5 amp ceiling rose ISI marked	1	No	16.00	16.00	1	16.00
1449	2	Al.alloy / cadmium iron screws 25mm	100	No	50.00	0.50	2	1.00
		Total (A1)						
								17.00
	A2	Cartage 1% of A						
								0.17
		Hire charges for T&P 1% of A						0.17
		Total (A2)						0.34
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.03	3.87
1004	2	Helper	1	Day	90.00	90.00	0.03	2.70
		Total(A3)						6.57
		(A1+A2+A3)						23.91
	A4	Overhead charges 10% on (A1+A2+A3)						2.39
		Total(A1+A2+A3+A4)						26.30
								Or say Rs 26.00

1.29

129
S/F of Angle Holder

Supplying and fixing batten holder / BK angle holder ISI marked including connection etc. as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1442	1	Batten Holder / Angle Holder	1	No	14.00	14.00	1	14.00
1449	2	Al.alloy / cadmium iron screws 25mm	100	No	50.00	0.50	2	1.00
		Total (A1)						
								15.00
	A2	Cartage 1% of A						
								0.15
		Hire charges for T&P 1% of A						0.15
		Total (A2)						0.30
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.05	6.45
1004	2	Helper	1	Day	90.00	90.00	0.05	4.50
		Total(A3)						10.95
		(A1+A2+A3)						26.25
	A4	Overhead charges 10% on (A1+A2+A3)						2.63
		Total(A1+A2+A3+A4)						28.88
								Or say Rs 29.00

130
S/F of Call Bell / Buzzer

1. 30

Supplying and fixing of Call Bell / Buzzer ISI marked suitable for DC /AC single phase 230 volts complete as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 set						
	A1	Materials						
1444	1	Call Bell / Buzzer DC /AC Single Phase	1	No	82.00	82.00	1	82.00
1449	2	Al.alloy / cadmium iron screws 25mm	100	No	50.00	0.50	2	1.00
		Total (A1)						83.00
	A2	Cartage 1% of A						0.83
		Hire charges for T&P 1% of A						0.83
		Total (A2)						1.66
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.05	6.45
1004	2	Helper	1	Day	90.00	90.00	0.05	4.50
		Total(A3)						10.95
		(A1+A2+A3)						95.61
	A4	Overhead charges 10% on (A1+A2+A3)						9.56
		Total(A1+A2+A3+A4)						105.17
							Or say Rs	105.00

S/F twin twisted cable in sleeve or conduit

Providing and fixing plain 16/0.2 mm twin twisted, flexible, FR PVC insulated, copper cable in polythene sleeve, or conduit of suitable size on the floor / wall or side of the table / door etc as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1110	1	16/0.2 Sq mm twin twisted, flexible PVC insulated (seathed) copper conductor	100	Mtr	525.00	5.25	50.5	265.13
1842	2	PVC sleeve	100	Ltr	500.00	5.00	50	250.00
		Total (A1)						515.13
	A2	Cartage 1% of A						5.15
		Wastage 1% of A						5.15
		Hire charges for T&P 1% of A						5.15
		Total (A2)						15.45
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1004	3	Helper	1	Day	90.00	90.00	0.5	45.00
		Total(A3)						109.50
		(A1+A2+A3)						640.08
		(A4)Overhead charges 10% on (A1+A2+A3)						64.01
		Total(A1+A2+A3+A4)						704.09

Rate per meter	14.08
or say Rs	14.00

1.32 **132**
S/F flat cable in sleeve or conduit

Providing and fixing plain 16/0.2 mm twin , FR PVC sheathed, flat flexible copper cable in polythene sleeve, or conduit of suitable size on the floor / wall or side of the table / door etc as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1109	1	16/0.2 Sq mm twin circular, flexible PVC insulated (seathed) copper conductor	100	Mtr	500.00	5.00	50.5	252.50
		Total (A1)						252.50
	A2	Cartage 1% of A						2.53
		Wastage 1% of A						2.53
		Hire charges for T&P 1% of A						2.53
		Total (A2)						7.58
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1004	3	Helper	1	Day	90.00	90.00	0.5	45.00
		Total(A3)						109.50
		(A1+A2+A3)						369.58
		(A4)Overhead charges 10% on (A1+A2+A3)						36.96
		Total(A1+A2+A3+A4)						406.53

8.13

8.00

1.33 Installation, Testing and Commissioning Fluorescent / Compact fluorescent

Code No	Sl.No.	Description of materials	Quantity	Unit	Rate in Rs.	Rate/Unit	Quantity required	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for one each						
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,104.00	12.27	0.3	3.68
1451	2	Iron screws, 35 mm x 6mm	100	No	40.00	0.40	2	0.80
1461	3	Washer	100	No	20.00	0.20	2	0.40
1839	4	Rubber / PVC bushes	100	No	90.00	0.90	2	1.80
		Total (A1)						4.48
	A2	Cartage 1% of A						0.04
		Wastage 1% of A1						0.04
		Hire charges for T&P 1% of A						0.04
		Total (A2)						0.13
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38
		(A1+A2+A3)						31.99
	A4	Overhead charges 10% on (A1+A2+A3)						3.20
		Total(A1+A2+A3+A4)						35.19

Or say
Rs 35.00

134

1.34 Installation, Testing and Commissioning Fluorescent / Compact fluorescent

Installation, Testing and Commissioning of pre-wired fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. including supplying and fixing ball socket arrangement, 2 no down rods of 20 mm dia x 1.6 mm thick steel conduit up to 30 cm length, painting and wiring the down rods and connection with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor and earthing etc. as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for one each								
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	0.9	10.04
1201	2	20 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	40.00	40.00	0.6	24.00
1449	3	Al.alloy / cadmium iron screws 25mm	100	No	50.00	0.50	6	3.00
1445	4	Ball and socket	1	No	15.00	15.00	2	30.00
1447	5	Check nut	100	No	200.00	2.00	4	8.00
1842	6	Paint	1	Ltr	150.00	150.00	0.02	3.00
1839	7	Rubber / PVC bushes	100	No	90.00	0.90	1	0.90
		Total (A1)						78.94
	A2	Cartage 1% of A						0.79
		Wastage 1% of A1						0.79
		Hire charges for T&P 1% of A						0.79
		Total (A2)						2.37
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38
		(A1+A2+A3)						108.68
	A4	Overhead charges 10% on (A1+A2+A3)						10.87

Total(A1+A2+A3+A4)

119.55

**Or say
Rs 120.00**

**135
S/F extra down rod**

1.35

Providing and fixing extra conduit down rod of 20 mm dia, 2 x 10 cm length wiring with 2 x 1.5 sq. mm FR PVC insulated single core multistrand copper conductor including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for one each						
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	0.3	3.35
1201	2	20 mm dia ISI marked steel conduit (1.6 mm thick)	1	Mtr	40.00	40.00	0.2	8.00
1842	6	Paint	1	Ltr	150.00	150.00	0.01	1.50
		Total (A1)						12.85
	A2	Cartage 1% of A						0.13
		Wastage 1% of A1						0.13
		Hire charges for T&P 1% of A						0.13
		Total (A2)						0.39
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	190.00	190.00	0.014	2.66
1003	2	Painter	1	Day	103.00	103.00	0.014	1.44
1004	3	Helper	1	Day	90.00	90.00	0.014	1.26
		Total(A3)						5.36
		(A1+A2+A3)						18.59
	A4	Overhead charges 10% on (A1+A2+A3)						1.86
		Total(A1+A2+A3+A4)						20.45

Or say
Rs 20.00

136

1.36 **Installation, Testing and Commissioning Ceiling Fan**

Installation, Testing and Commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor etc. as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 8 fans								
	A1	Materials						
1101	1	1.5 sq.mm FR PVC insulated single core multistrand copper conductor	90	No	1,004.00	11.16	8	89.24
		Total (A1)						89.24
	A2	Cartage 1% of A						0.89
		Wastage 1% of A1						0.89
		Hire charges for T&P 1% of A						0.89
		Total (A2)						2.68
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	1	90.00
		Total(A3)						219.00
		(A1+A2+A3)						310.92
	A4	Overhead charges 10% on (A1+A2+A3)						31.09
		Total(A1+A2+A3+A4)						342.01
		Rate per fan						42.75

Or say
Rs 43.00

ITC ceiling fan with cover on fan box

Installation, Testing and Commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor including providing and fixing phenolic laminated sheet steel cover on the fan box etc as required.etc. as required.

Code No	Sl.No.	Description of materials	Quantity	Unit	Rate in Rs.	Rate/Unit	Quantity required	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 8 Nos fans								
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	8	89.24
1461	2	Washer / Screw	100	No	20.00	0.20	16	3.20
1449	3	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	16	8.00
1322	4	3 mm Thick Phenolic Laminated Sheet ISI marked	6	Sq.cm	0.70	0.11	2312	258.94
		Total (A1)						359.39
	A2	Cartage 1% of A1						3.59
		Wastage 1% of A1						3.59
		Hire charges for T&P 1% of A1						3.59
		Total (A2)						10.78
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	1	90.00
		Total(A3)						219.00
		(A1+A2+A3)						589.17
	A4	Overhead charges 10% on (A1+A2+A3)						58.92
		Total(A1+A2+A3+A4)						648.09
		Rate per fan						81.01

or say **81.00**
Rs.

138

1.38

S/F resistance type ceiling fan regulator

Installation, Testing and Commissioning of resistance type ceiling fan regulator, in existing switch box including connection with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor, earthing the regulator as required.

Code No	Sl.No.	Description of materials	Quantity	Unit	Rate in Rs.	Rate/Unit	Quantity required	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 8 Nos fans								
	A1	Materials						
1101	1	1.5 sq. mm FR PVC insulated single core multistrand copper conductor	90	Mtr	1,004.00	11.16	4	44.62
1103	2	4.0 Sq mm ISI marked FR PVC insulated (unseathed) single core copper conductor	90	Mtr	2,524.00	28.04	2	56.09
1449	3	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	32	16.00
		Total (A1)						116.71
	A2	Cartage 1% of A1						1.17
		Wastage 1% of A1						1.17
		Hire charges for T&P 1% of A1						1.17
		Total (A2)						3.50
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1004	2	Helper	1	Day	90.00	90.00	0.5	45.00
		Total(A3)						109.50
		(A1+A2+A3)						229.71
	A4	Overhead charges 10% on (A1+A2+A3)						22.97
		Total(A1+A2+A3+A4)						252.68

Rate per fan

31.59

**or say
Rs.**

32.00

139

1.39

Cutting and threading of down rod

Extra for cutting and threading of G.I. pipe, heavy gauge down rod, for ceiling fan etc. as required.

Code No	Sl.No.	Description of materials	Quantity	Unit	Rate in Rs.	Rate/Unit	Quantity required	Amount in Rs.
1	2	3	4	5	6	7	8	9

Cost for one each

A1 Materials

Total (A1)

0.00

A2 Lump sum items

Total (A2)

0.00

A3 Labour charges

1002	1	Wireman, Grade-I	1	Day	116.00	116.00	0.0665	7.71
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Total(A3)

7.71

(A1+A2+A3)

7.71

T&P charges @ 2 % of (A1+A+A3)

0.15

A4 Overhead charges 10% on (A1+A2+A3)

0.77

Total(A1+A2+A3+A4)

8.64

**or say
Rs.**

9.00

S/F Extra down rod 15 mm dia.

Providing and fixing extra down rod of 20 cm length G.I. pipe 15 mm dia heavy gauge including painting etc as required . (more than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1339	1	20 mm G.I. pipe heavy class	1	Mtr	79.00	79.00	0.2	15.80
1842	2	Paint	1	Ltr	150.00	150.00	0.01	1.50
		Total (A1)						17.30
	A2	Cartage 1% of A						0.17
		Wastage 1% of A						0.17
		Hire charges for T&P 1% of A						0.17
		Total (A2)						0.52
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.007	0.90
1003	2	Painter	1	Day	103.00	103.00	0.007	0.72
1004	3	Helper	1	Day	90.00	90.00	0.007	0.63
		Total(A3)						2.25
		(A1+A2+A3)						20.07
		(A4)Overhead charges 10% on (A1+A2+A3)						2.01
		Total(A1+A2+A3+A4)						22.08
							or say Rs	22.00

1.41

S/F Extra down rod 20 mm dia.

Providing and fixing extra down rod of 20 cm length G.I. pipe 20 mm dia heavy gauge including painting etc as required . (more than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 set						
	A1	Materials						
1340	1	20 mm G.I. pipe heavy class	1	Mtr	93.00	93.00	0.2	18.60
1842	2	Paint	1	Ltr	150.00	150.00	0.01	1.50
		Total (A1)						20.10
	A2	Cartage 1% of A						0.20
		Wastage 1% of A						0.20
		Hire charges for T&P 1% of A						0.20
		Total (A2)						0.60
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.007	0.90
1003	2	Painter	1	Day	103.00	103.00	0.007	0.72
1004	3	Helper	1	Day	90.00	90.00	0.007	0.63
		Total(A3)						2.25
		(A1+A2+A3)						22.96
		(A4)Overhead charges 10% on (A1+A2+A3)						2.30
		Total(A1+A2+A3+A4)						25.25
							or say Rs	25.00

1.42

142
Numbering of fans / fittings

Numbering ceiling fan / exhaust fan / fluorescent fittings as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 100 fans								
	A1	Materials						
1842	1	Paint	1	Ltr	150.00	150.00	1	150.00
		Total (A1)						150.00
	A2	Cartage 1% of A						1.50
		Wastage 1% of A						1.50
		Hire charges for T&P 1% of A						1.50
		Total (A2)						4.50
	A3	Labour charges						
1003	1	Painter	1	Day	103.00	103.00	3	309.00
1004	2	Helper	1	Day	90.00	90.00	3	270.00
		Total(A3)						579.00
		(A1+A2+A3)						733.50
		(A4)Overhead charges 10% on (A1+A2+A3)						73.35
		Total(A1+A2+A3+A4)						806.85
		Rate per each						8.0685
							or say Rs	8.00

FIXING EXHAUST FAN UPTO 450 MM SWEEP

Installation, testing and commissioning of exhaust fan up to 450 mm sweep in the existing opening, including making the hole to suit the size of the above fan, making good the damage complete, connection, etc as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1823	1	6 mm dia rag bolts with nuts	1	No	6.00	6.00	4	24.00
1108	2	13/0.20 mm twin core PVC sheathed, flat flexible copper cable	100	Mtr	401.00	4.01	1	4.01
	3	Phil / Rawl plug, cement etc. @ 50% of (1) of A1						12.00
		Total (A1)						40.01
	A2	Cartage 1% of A						0.40
		Wastage 1% of A						0.40
		Hire charges for T&P 1% of A						0.40
		Total (A2)						1.20
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.33	42.57
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.33	38.28
1004	3	Helper	1	Day	90.00	90.00	0.66	59.40
		Total(A3)						140.25
		(A1+A2+A3)						181.46
		(A4)Overhead charges 10% on (A1+A2+A3)						18.15
		Total(A1+A2+A3+A4)						199.61

Or say 200.00
Rs

144

1.44

FIXING EXHAUST FAN UPTO 510 MM SWEEP

Installation, testing and commissioning of exhaust fan up to 510 mm sweep in the existing opening, including making the hole to suit the size of the above fan, making good the damage complete, connection, etc as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1823	1	6 mm dia rag bolts with nuts	1	No	6.00	6.00	4	24.00
1108	2	13/0.20 mm twin core PVC sheathed, flat flexible copper cable	100	Mtr	401.00	4.01	1	4.01
	3	Phil / Rawl plug, cement etc. @ 50% of (1) of A1						12.00
		Total (A1)						28.01
	A2	Cartage 1% of A						0.28
		Wastage 1% of A						0.28
		Hire charges for T&P 1% of A						0.28
		Total (A2)						0.84
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.5	58.00
1004	3	Helper	1	Day	90.00	90.00	1	90.00
		Total(A3)						212.50
		(A1+A2+A3)						241.35
		(A4)Overhead charges 10% on (A1+A2+A3)						24.14
		Total(A1+A2+A3+A4)						265.49

Or say 265.00
Rs

145

1.45

Fixing of louvers / shutters for exhaust fan

Extra for fixing of louvers / shutters complete with frame for exhaust fan of all sizes.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1451	1	Iron screws, 40 mm x 6 mm	100	No	45.00	0.45	4	1.80
	2	Phil / Rawl plug, cement etc. @ 200% of (1) of A1						0.90
		Total (A1)						2.70
	A2	Cartage 1% of A						0.03
		Wastage 1% of A						0.03
		Hire charges for T&P 1% of A						0.03
		Total (A2)						0.08
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.1	12.90
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.1	11.60
1004	3	Helper	1	Day	90.00	90.00	0.2	18.00
		Total(A3)						42.50
		(A1+A2+A3)						45.28
		(A4)Overhead charges 10% on (A1+A2+A3)						4.53
		Total(A1+A2+A3+A4)						49.81
							Or say Rs	50.00

1.46

Painting of ceiling fan in installed position

Painting of ceiling fan in installed position with one or more coats of spray mpainting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent etc as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 fans								
	A1	Materials						
1842	1	Paint	1	Ltr	150.00	150.00	2.7	405.00
1851	2	Cleaning materials like soap / detergent	1	Kg	40.00	40.00	1	40.00
1852		Cotton waste, cleaning cloth etc	1	Kg	45.00	45.00	2	90.00
1853		Hire charges for compressor and spray gun	1	Day	250.00	250.00	3	750.00
		Total (A1)						1,285.00
	A2	Cartage 1% of A						12.85
		Wastage 1% of A1						12.85
		Hire charges for T&P 1% of A						12.85
		Total (A2)						38.55
	A3	Labour charges						
1003	1	Painter	1	Day	103.00	103.00	3	309.00
1004	2	Helper	1	Day	90.00	90.00	8	720.00
		Total(A3)						1,029.00
		(A1+A2+A3)						2,352.55
	A4	Overhead charges 10% on (A1+A2+A3)						235.26
		Total(A1+A2+A3+A4)						2,587.81
		Rate per fan						51.7561
							Or say Rs	52.00

METAL CLAD SFU WITH HRC FUSES & MCCBs**2.1****S/F OF TP & N SFU IN CUBICAL PANEL BOARD**

Providing and fixing of following capacity TP& N disconnecter fuse switch unit inside existing cubical panel board with ISI marked HRC fuses including drilling holes in cubical pannel, making connection etc as required.

2.1.1**32 Amp TP & N**

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 each						
	A1	A1 Materials						
1601	1	32 Amp TPN switch disconnecter fuse unit (panel mounted type) with HRC fuse.	1	No	800.00	800.00	1	800.00
1454	2	25 mm x 3 mm bolt and nuts	1	No	3.00	3.00	4	12.00
1839	3	Rubber / PVC bushes	100	No	90.00	0.90	4	3.60
1835	4	Earthing , thimble and solder	1	No	10.00	10.00	1	10.00
		Total (A1)						825.60
	A2	a.Cartage @ 1% of A1						8.26
		b.T & P @ 1% of A1						8.26
		Total (A2)						16.51
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.10	12.90
1004	2	Helper	1	Day	90.00	90.00	0.10	9.00
		Total(A3)						21.90
		Total(A1+A2+A3)						864.01
	A4	Overheads Charges @ 10%						86.40
		Grand Total (A1 + A2 + A3 + A4)						950.41
							or say Rs	950.00

2.1

S/F OF TP & N SFU IN CUBICAL PANEL BOARD

Providing and fixing of following capacity TP& N disconnecter fuse switch unit inside existing cubical panel board with ISI marked HRC fuses including drilling holes in cubical pannel, makinfg connection etc as required.

2.1.2

63 Amp TP & N

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	A1 Materials						
1602	1	63 Amp TPN switch disconnecter fuse unit (panel mounted type)n with HRC fuse.	1	No	1,695.00	#####	1	1,695.00
1455	2	32 mm x 8 mm bolt and nuts	1	No	4.00	4.00	4	16.00
1839	3	Rubber / PVC bushes	100	No	90.00	0.90	4	3.60
1835	4	Earthing , thimble and solder	1	LS	10.00	10.00	1	10.00
		Total (A1)						1,724.60
	A2	a.Cartage @ 1% of A1						17.25
		b.T & P @ 1% of A1						17.25
		Total (A2)						34.49
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.13	11.25
		Total(A3)						27.38
		Total(A1+A2+A3)						1,786.47
	A4	Overheads Charges @ 10%						178.65
		Grand Total (A1 + A2 + A3 + A4)						1,965.11
							or say Rs	1,965.00

2.1

S/F OF TP & N SFU IN CUBICAL PANEL BOARD

Providing and fixing of following capacity TP& N disconnecter fuse switch unit inside existing cubical panel board with ISI marked HRC fuses including drilling holes in cubical pannel, makinfg connection etc as required.

2.1.3

100 Amp TP & N

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	A1 Materials						
1603	1	100 Amp TPN switch disconnecter fuse unit (panel mounted type)n with HRC fuse.	1	No	4,240.00	####	1	4,240.00
1455	2	32 mm x 8 mm bolt and nuts	1	No	4.00	4.00	4	16.00
1839	3	Rubber / PVC bushes	100	No	90.00	0.90	4	3.60
1835	4	Earthing , thimble and solder	1	LS	10.00	10.00	1	10.00
		Total (A1)						4,269.60
	A2	a.Cartage @ 1% of A1						42.70
		b.T & P @ 1% of A1						42.70
		Total (A2)						85.39
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.13	11.25
		Total(A3)						27.38
		Total(A1+A2+A3)						4,382.37
	A4	Overheads Charges @ 10%						438.24
		Grand Total (A1 + A2 + A3 + A4)						4,820.60

or say **4,821.00**
Rs

150

2.1

S/F OF TP & N SFU IN CUBICAL PANEL BOARD

Providing and fixing of following capacity TP& N disconnecter fuse switch unit inside existing cubical panel board with ISI marked HRC fuses including drilling holes in cubical pannel, makinfg connection etc as required.

2.1.4

125 Amp TP & N

Code No	Sl.No	Description of Materials	Qnty	Unit	Rate	Rate per unit	Qnty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	A1 Materials						
1604	1	125 Amp TPN switch disconnecter fuse unit (panel mounted type)n with HRC fuse.	1	No	4,500.00	#####	1	4,500.00
1456	2	38 mm x 10 mm bolt and nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC bushes	100	No	90.00	0.90	4	3.60
1835	4	Earthing , thimble and solder	1	LS	10.00	10.00	1	10.00
		Total (A1)						4,545.60
	A2	a.Cartage @ 1% of A1						
								45.46
		b.T & P @ 1% of A1						
								45.46
		Total (A2)						90.91
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.15	19.35
1004	2	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						32.85
		Total(A1+A2+A3)						4,669.36
	A4	Overheads Charges @ 10%						
								466.94
		Grand Total (A1 + A2 + A3 + A4)						5,136.30

or say **5,136.00**
Rs

2.1

S/F OF TP & N SFU IN CUBICAL PANEL BOARD

Providing and fixing of following capacity TP& N disconnecter fuse switch unit inside existing cubical panel board with ISI marked HRC fuses including drilling holes in cubical pannel, makinfg connection etc as required.

2.1.5

160 Amp TP & N

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	A1 Materials						
1605	1	160 Amp TPN switch disconnecter fuse unit (panel mounted type)n with HRC fuse.	1	No	5,050.00	#####	1	5,050.00
1456	2	38 mm x 10 mm bolt and nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC bushes	100	No	90.00	0.90	4	3.60
1835	4	Earthing , thimble and solder	1	LS	10.00	10.00	1	10.00
		Total (A1)						5,095.60
	A2	a.Cartage @ 1% of A1						
								50.96
		b.T & P @ 1% of A1						
								50.96
		Total (A2)						101.91
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.15	19.35
1004	2	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						32.85
		Total(A1+A2+A3)						5,230.36
	A4	Overheads Charges @ 10%						
								523.04
		Grand Total (A1 + A2 + A3 + A4)						5,753.40
							or say Rs	5,753.00

2.1

S/F OF TP & N SFU IN CUBICAL PANEL BOARD

Providing and fixing of following capacity TP& N disconnecter fuse switch unit inside existing cubical panel board with ISI marked HRC fuses including drilling holes in cubical pannel, making connection etc as required.

2.1.6

200 Amp TP & N

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	A1 Materials						
1606	1	200 Amp TPN switch disconnecter fuse unit (panel mounted type)n with HRC fuse.	1	No	5,952.00	#####	1	5,952.00
1456	2	38 mm x 10 mm bolt and nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC bushes	100	No	90.00	0.90	4	3.60
1835	4	Earthing , thimble and solder	1	LS	10.00	10.00	1	10.00
		Total (A1)						5,997.60
	A2	a.Cartage @ 1% of A1						59.98
		b.T & P @ 1% of A1						59.98
		Total (A2)						119.95
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.17	21.29
1004	2	Helper	1	Day	90.00	90.00	0.17	14.85
		Total(A3)						36.14
		Total(A1+A2+A3)						6,153.69
	A4	Overheads Charges @ 10%						615.37
		Grand Total (A1 + A2 + A3 + A4)						6,769.06
							or say Rs	6,769.00

2.1

S/F OF TP & N SFU IN CUBICAL PANEL BOARD

Providing and fixing of following capacity TP& N disconnecter fuse switch unit inside existing cubical panel board with ISI marked HRC fuses including drilling holes in cubical pannel, makinfg connection etc as required.

2.1.7

320 Amp TP & N

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	A1 Materials						
1608A	1	320 Amp TPN switch disconnecter fuse unit (panel mounted type)n with HRC fuse.	1	No	8,540.00	#####	1	8,540.00
1456	2	38 mm x 10 mm bolt and nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC bushes	100	No	90.00	0.90	4	3.60
1835	4	Earthing , thimble and solder	1	LS	10.00	10.00	1	10.00
		Total (A1)						8,585.60
	A2	a.Cartage @ 1% of A1						85.86
		b.T & P @ 1% of A1						85.86
		Total (A2)						171.71
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.20	25.80
1004	2	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						43.80
		Total(A1+A2+A3)						8,801.11
	A4	Overheads Charges @ 10%						880.11
		Grand Total (A1 + A2 + A3 + A4)						9,681.22
							or say Rs	9,681.00

2.1

S/F OF TP & N SFU IN CUBICAL PANEL BOARD

Providing and fixing of following capacity TP& N disconnecter fuse switch unit inside existing cubical panel board with ISI marked HRC fuses including drilling holes in cubical pannel, makinfg connection etc as required.

2.1.8

400 Amp TP & N

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	A1 Materials						
1608B	1	400 Amp TPN switch disconnecter fuse unit (panel mounted type) with HRC fuse.	1	No	10,300.00	#####	1	10,300.00
1456	2	38 mm x 10 mm bolt and nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC bushes	100	No	90.00	0.90	4	3.60
1835	4	Earthing , thimble and solder	1	LS	10.00	10.00	1	10.00
		Total (A1)						10,345.60
	A2	a.Cartage @ 1% of A1						103.46
		b.T & P @ 1% of A1						103.46
		Total (A2)						206.91
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		Total(A1+A2+A3)						10,607.26
	A4	Overheads Charges @ 10%						1,060.73
		Grand Total (A1 + A2 + A3 + A4)						11,667.99
							or say Rs	11,668.00

2.2

S/F OF MCCB IN CUBICAL PANEL BOARD

Supply and fixing of 4 pole MCCB 100 A, 10KA breaking capacity in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

2.2.1

100 Amp 10KA

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1609	1	4 pole MCCB, 100A, 10KA with sheet steel enclosure.	1	No	3,200.00	#####	1	3,200.00
1454	2	25 mm x 3 mm Bolts and Nuts	1	No	3.00	3.00	4	12.00
1839	3	Rubber / PVC Bushes	100	No	90.00	0.90	4	3.60
		Total (A1)						3,215.60
	A2	a.Cartage @ 1% of A1						32.16
		b.T & P @ 1% of A1						32.16
		Total (A2)						64.31
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.13	11.25
		Total(A3)						27.38
		Total(A1+A2+A3)						3,307.29
	A4	Overheads Charges @ 10%						330.73
		Grand Total (A1 + A2 + A3 + A4)						3,638.02
							or say Rs	3,638.00

2.2

S/F OF MCCB IN CUBICAL PANEL BOARD

Supply and fixing of 4 pole MCCB 100 A, 16 KA breaking capacity in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

2.2.2

100 Amp 16KA

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per	Qty require	Amount in Rs
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 each						
	A1	Materials						
1610	1	4 pole MCCB, 100A, 16KA with sheet steel enclosure.	1	No	3,395.00	#####	1	3,395.00
1454	2	25 mm x 3 mm Bolts and Nuts	1	No	3.00	3.00	4	12.00
1839	3	Rubber / PVC Bushes	100	No	90.00	0.90	4	3.60
		Total (A1)						3,410.60
	A2	a.Cartage @ 1% of A1						34.11
		b.T & P @ 1% of A1						34.11
		Total (A2)						68.21
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.13	11.25
		Total(A3)						27.38
		Total(A1+A2+A3)						3,506.19
	A4	Overheads Charges @ 10%						350.62
		Grand Total (A1 + A2 + A3 + A4)						3,856.81
							or say Rs	3,857.00

S/F OF MCCB IN CUBICAL PANEL BOARD

Supply and fixing of 4 pole MCCB 160 A, 16 KA breaking capacity in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

2.2.4

160 Amp 16KA

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1612	1	4 pole MCCB, 160A, 16KA with sheet steel enclosure.	1	No	5,630.00	#####	1	5,630.00
1454	2	25 mm x 3 mm Bolts and Nuts	1	No	3.00	3.00	4	12.00
1839	3	Rubber / PVC Bushes	100	No	90.00	0.90	4	3.60
		Total (A1)						5,645.60
	A2	a.Cartage @ 1% of A1						56.46
		b.T & P @ 1% of A1						56.46
		Total (A2)						112.91
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.15	19.35
1004	2	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						32.85
		Total(A1+A2+A3)						5,791.36
	A4	Overheads Charges @ 10%						579.14
		Grand Total (A1 + A2 + A3 + A4)						6,370.50
							or say Rs	6,370.00

2.2

S/F OF MCCB IN CUBICAL PANEL BOARD

Supply and fixing of 4 pole MCCB 200 A, 16 KA breaking capacity in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

2.2.5

200 Amp 16 KA

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1613	1	4 pole MCCB, 200A, 16 KA with sheet steel enclosure.	1	No	7,250.00	#####	1	7,250.00
1454	2	25 mm x 3 mm Bolts and Nuts	1	No	3.00	3.00	4	12.00
1839	3	Rubber / PVC Bushes	100	No	90.00	0.90	4	3.60
		Total (A1)						7,265.60
	A2	a.Cartage @ 1% of A1						72.66
		b.T & P @ 1% of A1						72.66
		Total (A2)						145.31
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.17	21.29
1004	2	Helper	1	Day	90.00	90.00	0.17	14.85
		Total-A3						36.14
		Total(A1+A2+A3)						7,447.05
	A4	Overheads Charges @ 10%						744.70
		Grand Total (A1 + A2 + A3 + A4)						8,191.75
							or say Rs	8,192.00

S/F OF MCCB IN CUBICAL PANEL BOARD

Supply and fixing of 4 pole MCCB 200 A, 25 KA breaking capacity in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

2.2.6

200 Amp 25 KA

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1614	1	4 pole MCCB, 200A, 25 KA with sheet steel enclosure.	1	No	7,525.00	#####	1	7,525.00
1456	2	38 mm x 10 mm Bolts and Nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC Bushes	100	No	90.00	0.90	4	3.60
		Total (A1)						7,560.60
	A2	a.Cartage @ 1% of A1						75.61
		b.T & P @ 1% of A1						75.61
		Total (A2)						151.21
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.17	21.29
1004	2	Helper	1	Day	90.00	90.00	0.17	14.85
		Total-A3						36.14
		Total(A1+A2+A3)						7,747.95
	A4	Overheads Charges @ 10%						774.79
		Grand Total (A1 + A2 + A3 + A4)						8,522.74

or say **8,523.00**
Rs

161

2.2

S/F OF MCCB IN CUBICAL PANEL BOARD

Supply and fixing of 4 pole MCCB 250 A, 25 KA breaking capacity in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

2.2.7

250 Amp 25 KA

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1615	1	4 pole MCCB, 250A, 25 KA with sheet steel enclosure.	1	No	11,350.00	#####	1	11,350.00
1456	2	38 mm x 10 mm Bolts and Nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC Bushes	100	No	90.00	0.90	4	3.60
		Total (A1)						11,385.60
	A2	a.Cartage @ 1% of A1						113.86
		b.T & P @ 1% of A1						113.86
		Total (A2)						227.71
	A3	Labour Charges						
	1	Wireman, Grade-I	1	Day	129.00	129.00	0.18	22.58
	2	Helper	1	Day	90.00	90.00	0.18	15.75
		Total(A3)						38.33
		Total(A1+A2+A3)						11,651.64
	A4	Overheads Charges @ 10%						1,165.16
		Grand Total (A1 + A2 + A3 + A4)						12,816.80

or say **12,817.00**
Rs

162

2.2

S/F OF MCCB IN CUBICAL PANEL BOARD

Supply and fixing of 4 pole MCCB 250 A, 35 KA breaking capacity in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

2.2.8

250 Amp 35 KA

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1616	1	4 pole MCCB, 250A, 35 KA with sheet steel enclosure.	1	No	15,650.00	#####	1	15,650.00
1456	2	38 mm x 10 mm Bolts and Nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC Bushes	100	No	90.00	0.90	4	3.60
		Total (A1)						
								15,685.60
	A2	a.Cartage @ 1% of A1						156.86
		b.T & P @ 1% of A1						156.86
		Total (A2)						313.71
	A3	Labour Charges						
	1	Wireman, Grade-I	1	Day	129.00	129.00	0.18	22.58
	2	Helper	1	Day	90.00	90.00	0.18	15.75
		Total(A3)						38.33
		Total(A1+A2+A3)						16,037.64
	A4	Overheads Charges @ 10%						1,603.76
		Grand Total (A1 + A2 + A3 + A4)						17,641.40

or say **17,641.00**
Rs

163

2.2

S/F OF MCCB IN CUBICAL PANEL BOARD

Supply and fixing of 4 pole MCCB 315 A, 35 KA breaking capacity in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

2.2.9

315 Amp 35 KA

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
A1 Materials								
1617	1	4 pole MCCB, with adjustable thermal setting 315 A,35 KA.	1	No	16,520.00	#####	1	16,520.00
1456	2	38 mm x 10 mm Bolts and Nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC Bushes	100	No	90.00	0.90	4	3.60
Total (A1)								16,555.60
A2 a.Cartage @ 1% of A1								165.56
b.T & P @ 1% of A1								165.56
Total (A2)								331.11
A3 Labour Charges								
1	Wireman, Grade-I		1	Day	129.00	129.00	0.20	25.80
2	Helper		1	Day	90.00	90.00	0.20	18.00
Total(A3)								43.80
Total(A1+A2+A3)								16,930.51
A4 Overheads Charges @ 10%								1,693.05
Grand Total (A1 + A2 + A3 + A4)								18,623.56

or say **18,624.00**
Rs

2.2

S/F OF MCCB IN CUBICAL PANEL BOARD

Supply and fixing of 4 pole MCCB 400 A, 35 KA breaking capacity in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

2.2.10

400 Amp 35 KA

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1618	1	4 pole MCCB, with adjustable thermal setting 400 A,35 KA/ 500 A, 35 KA with sheet steel enclosure.	1	No	16,520.00	#####	1	16,520.00
1456	2	38 mm x 10 mm Bolts and Nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC Bushes	100	No	90.00	0.90	4	3.60
		Total (A1)						16,555.60
	A2	a.Cartage @ 1% of A1						165.56
		b.T & P @ 1% of A1						165.56
		Total (A2)						331.11
	A3	Labour Charges						
	1	Wireman, Grade-I	1	Day	129.00	129.00	0.20	25.80
	2	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						43.80
		Total(A1+A2+A3)						16,930.51
	A4	Overheads Charges @ 10%						1,693.05
		Grand Total (A1 + A2 + A3 + A4)						18,623.56
							or say Rs	18,624.00

2.2

S/F OF MCCB IN CUBICAL PANEL BOARD

Supply and fixing of 4 pole MCCB 500 A , 35 KA breaking capacity in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.

2.2.11

500 Amp 35 KA

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 each						
	A1	Materials						
1619	1	4 pole MCCB, with adjustable thermal setting 400 A,35 KA/ 500 A, 35 KA with sheet steel enclosure.	1	No	16,520.00	#####	1	16,520.00
1456	2	38 mm x 10 mm Bolts and Nuts	1	No	8.00	8.00	4	32.00
1839	3	Rubber / PVC Bushes	100	No	90.00	0.90	4	3.60
		Total (A1)						16,555.60
	A2	a.Cartage @ 1% of A1						165.56
		b.T & P @ 1% of A1						165.56
		Total (A2)						331.11
	A3	Labour Charges						
	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		Total(A1+A2+A3)						16,941.46
	A4	Overheads Charges @ 10%						1,694.15
		Grand Total (A1 + A2 + A3 + A4)						18,635.61
							or say Rs	18,636.00

MCB DISTRIBUTIION BOARD

2.3

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of single pole MCB with sheet steel enclosure, distribution board, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphate and powder painted including earthing etc. as required (But with out MCB/ RCCB/ ISOLATOR)

2.3.1

4 WAY, SINGLE DOOR

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty require d	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1734	1	4 WAY, SPN, Single Door, MCB DB	1	No	725.00	725.00	1	725.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						761.00
	A2	a.Cartage @ 1% of A1						7.61
		b.T & P @ 1% of A1						7.61
		Total (A2)						15.22
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						818.46
	A4	Overheads Charges @ 10%						81.85
		Grand Total (A1 + A2 + A3 + A4)						900.31
							or say Rs	900.00

2.3

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of single pole MCB with sheet steel enclosure, distribution board, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphate and powder painted including earthing etc. as required (But with out MCB/ RCCB/ ISOLATOR)

2.3.2

8 WAY, SINGLE DOOR

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1735	1	8WAY, SPN, Single Door, MCB DB	1	No	953.00	953.00	1	953.00
1823	2	6 mm dia rag Bolts withNuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						989.00
	A2	a.Cartage @ 1% of A1						9.89
		b.T & P @ 1% of A1						9.89
		Total (A2)						19.78
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						1,051.02
	A4	Overheads Charges @ 10%						105.10
		Grand Total (A1 + A2 + A3 + A4)						1,156.12
							or say Rs	1,156.00

2.3

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of single pole MCB with sheet steel enclosure, distribution board, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphate and powder painted including earthing etc. as required (But with out MCB/ RCCB/ ISOLATOR)

2.3.3

12 WAY, SINGLE DOOR

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1736	1	12 WAY, SPN, Single Door, MCB DB	1	No	1,310.00	#####	1	1,310.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						1,346.00
	A2	a.Cartage @ 1% of A1						13.46
		b.T & P @ 1% of A1						13.46
		Total (A2)						26.92
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						1,415.16
	A4	Overheads Charges @ 10%						141.52
		Grand Total (A1 + A2 + A3 + A4)						1,556.68
							or say Rs	1,557.00

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of single pole MCB with sheet steel enclosure, distribution board, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphate and powder painted including earthing etc. as required (But with out MCB/ RCCB/ ISOLATOR)

2.3.4

16 WAY, SINGLE DOOR

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per	Qty require	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1737	1	16 WAY, SPN, Single Door, MCB DB	1	No	1,560.00	#####	1	1,560.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						1,596.00
	A2	a.Cartage @ 1% of A1						15.96
		b.T & P @ 1% of A1						15.96
		Total (A2)						31.92
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						1,670.16
	A4	Overheads Charges @ 10%						167.02
		Grand Total (A1 + A2 + A3 + A4)						1,837.18
							or say Rs	1,837.00

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of single pole MCB with sheet steel enclosure, distribution board, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphate and powder painted including earthing etc. as required (But with out MCB/ RCCB/ ISOLATOR)

2.3.5

4 WAY, DOUBLE DOOR

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1738	1	4 WAY, SPN, Double Door, MCB DB	1	No	1,085.00	#####	1	1,085.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						1,121.00
	A2	a.Cartage @ 1% of A1						11.21
		b.T & P @ 1% of A1						11.21
		Total (A2)						22.42
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						1,185.66
	A4	Overheads Charges @ 10%						118.57
		Grand Total (A1 + A2 + A3 + A4)						1,304.23

or say **1,304.00**
Rs

171

2.3

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of single pole MCB with sheet steel enclosure, distribution board, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphate and powder painted including earthing etc. as required (But with out MCB/ RCCB/ ISOLATOR)

2.3.6

8 WAY, DOUBLE DOOR

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1739	1	8WAY, SPN, Double Door, MCB DB	1	No	1,560.00	#####	1	1,560.00
1823	2	6 mm dia rag Bolts withNuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						1,596.00
	A2	a.Cartage @ 1% of A1						15.96
		b.T & P @ 1% of A1						15.96
		Total (A2)						31.92
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						1,670.16
	A4	Overheads Charges @ 10%						167.02
		Grand Total (A1 + A2 + A3 + A4)						1,837.18

or say **1,837.00**
Rs

172

2.3

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of single pole MCB with sheet steel enclosure, distribution board, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphate and powder painted including earthing etc. as required (But with out MCB/ RCCB/ ISOLATOR)

2.3.7

12 WAY, DOUBLE DOOR

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
		Cost for 1 each						
	A1	Materials						
1740	1	12 WAY, SPN, Double Door, MCB DB	1	No	1,860.00	#####	1	1,860.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						1,896.00
	A2	a.Cartage @ 1% of A1						18.96
		b.T & P @ 1% of A1						18.96
		Total (A2)						37.92
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						1,976.16
	A4	Overheads Charges @ 10%						197.62
		Grand Total (A1 + A2 + A3 + A4)						2,173.78

or say **2,174.00**
Rs

2.3

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of single pole MCB with sheet steel enclosure, distribution board, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphate and powder painted including earthing etc. as required (But with out MCB/ RCCB/ ISOLATOR)

2.3.8

16 WAY, DOUBLE DOOR

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
		Cost for 1 each						
	A1	Materials						
1741	1	16 WAY, SPN, Double Door, MCB DB	1	No	2,100.00	#####	1	2,100.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						2,136.00
	A2	a.Cartage @ 1% of A1						21.36
		b.T & P @ 1% of A1						21.36
		Total (A2)						42.72
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						2,220.96
	A4	Overheads Charges @ 10%						222.10
		Grand Total (A1 + A2 + A3 + A4)						2,443.06
							or say Rs	2,443.00

2.4

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way single pole and neutral, sheet steel, MCB distribution board consumer unit, 240 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic covr for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB / RCCB / Isolator)

2.4.1

2 + 4 WAY

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1742	1	2 + 4 WAY, SPN, MCB DB consumer unit with Acrylic cover	1	No	1,560.00	#####	1	1,560.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						1,596.00
	A2	a.Cartage @ 1% of A1						15.96
		b.T & P @ 1% of A1						15.96
		Total (A2)						31.92
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						1,670.16
	A4	Overheads Charges @ 10%						167.02
		Grand Total (A1 + A2 + A3 + A4)						1,837.18
							or say Rs	1,837.00

2.4

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way single pole and neutral, sheet steel, MCB distribution board consumer unit, 240 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic covr for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB / RCCB / Isolator)

2.4.2

2 + 8 WAY

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1743	1	2 + 8 WAY, SPN, MCB DB consumer unit with Acrylic cover	1	No	1,895.00	#####	1	1,895.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						1,931.00
	A2	a.Cartage @ 1% of A1						19.31
		b.T & P @ 1% of A1						19.31
		Total (A2)						38.62
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						2,011.86
	A4	Overheads Charges @ 10%						201.19
		Grand Total (A1 + A2 + A3 + A4)						2,213.05
							or say Rs	2,213.00

2.4

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way single pole and neutral, sheet steel, MCB distribution board consumer unit, 240 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic covr for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB / RCCB / Isolator)

2.4.3

2 + 12 WAY

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1744	1	2 + 12 WAY, SPN, MCB DB consumer unit with Acrylic cover	1	No	2,250.00	#####	1	2,250.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						2,286.00
	A2	a.Cartage @ 1% of A1						22.86
		b.T & P @ 1% of A1						22.86
		Total (A2)						45.72
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						2,373.96
	A4	Overheads Charges @ 10%						237.40
		Grand Total (A1 + A2 + A3 + A4)						2,611.36
							or say Rs	2,611.00

2.4

S/F SP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way single pole and neutral, sheet steel, MCB distribution board consumer unit, 240 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic covr for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB / RCCB / Isolator)

2.4.4

2 + 16 WAY

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
		Cost for 1 each						
	A1	Materials						
1735	1	2 +16 WAY, SPN, MCB DB consumer unit with Acrylic cover	1	No	2,450.00	#####	1	2,450.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						2,486.00
	A2	a.Cartage @ 1% of A1						24.86
		b.T & P @ 1% of A1						24.86
		Total (A2)						49.72
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						2,577.96
	A4	Overheads Charges @ 10%						257.80
		Grand Total (A1 + A2 + A3 + A4)						2,835.76
							or say Rs	2,836.00

2.5

S/F TP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB/ RCCB/ Isolator)

2.5.1

4 WAY (4 + 12) SINGLE DOOR, HORIZONTAL TYPE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty require	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1751	1	4 WAY (4+12), TPN, MCB DB Single door horizontal type	1	No	1,575.00	#####	1	1,575.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						1,611.00
	A2	a.Cartage @ 1% of A1						16.11
		b.T & P @ 1% of A1						16.11
		Total (A2)						32.22
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						1,685.46
	A4	Overheads Charges @ 10%						168.55
		Grand Total (A1 + A2 + A3 + A4)						1,854.01
							or say Rs	1,854.00

2.5

S/F TP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB/ RCCB/ Isolator)

2.5.2

6 WAY (6 + 18) SINGLE DOOR, HORIZONTAL TYPE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1752	1	6 WAY (6+18), TPN, MCB DB Single door horizontal type	1	No	1,870.00	#####	1	1,870.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						1,906.00
	A2	a.Cartage @ 1% of A1						19.06
		b.T & P @ 1% of A1						19.06
		Total (A2)						38.12
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						1,986.36
	A4	Overheads Charges @ 10%						198.64
		Grand Total (A1 + A2 + A3 + A4)						2,185.00
							or say Rs	2,185.00

2.5

S/F TP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB/ RCCB/ Isolator)

2.5.3

8 WAY (8 + 24) SINGLE DOOR, HORIZONTAL TYPE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1753	1	8 WAY (8+24), TPN, MCB DB Single door horizontal type	1	No	2,325.00	#####	1	2,325.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						2,361.00
	A2	a.Cartage @ 1% of A1						23.61
		b.T & P @ 1% of A1						23.61
		Total (A2)						47.22
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						2,450.46
	A4	Overheads Charges @ 10%						245.05
		Grand Total (A1 + A2 + A3 + A4)						2,695.51
							or say Rs	2,696.00

2.5

S/F TP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB/ RCCB/ Isolator)

2.5.4

12 WAY (12+ 36) SINGLE DOOR, HORIZONTAL TYPE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1754	1	12 WAY (12+36), TPN, MCB DB Single door horizontal type	1	No	3,250.00	#####	1	3,250.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						3,286.00
	A2	a.Cartage @ 1% of A1						32.86
		b.T & P @ 1% of A1						32.86
		Total (A2)						65.72
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						3,393.96
	A4	Overheads Charges @ 10%						339.40
		Grand Total (A1 + A2 + A3 + A4)						3,733.36
							or say Rs	3,733.00

2.5

S/F TP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB/ RCCB/ Isolator)

2.5.5

4 WAY (4 + 12) DOUBLE DOOR, HORIZONTAL TYPE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1755	1	4 WAY (4+12), TPN, MCB DB Doule door horizontal type	1	No	2,148.00	#####	1	2,148.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						2,184.00
	A2	a.Cartage @ 1% of A1						21.84
		b.T & P @ 1% of A1						21.84
		Total (A2)						43.68
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						2,269.92
	A4	Overheads Charges @ 10%						226.99
		Grand Total (A1 + A2 + A3 + A4)						2,496.91
							or say Rs	2,497.00

Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB/ RCCB/ Isolator)

6 WAY (6 + 18) DOUBLE DOOR, HORIZONTAL TYPE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
		Cost for 1 each						
	A1	Materials						
1756	1	6 WAY (6+18), TPN, MCB DB Doule door horizontal type	1	No	2,525.00	#####	1	2,525.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						2,561.00
	A2	a.Cartage @ 1% of A1						25.61
		b.T & P @ 1% of A1						25.61
		Total (A2)						51.22
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						2,654.46
	A4	Overheads Charges @ 10%						265.45
		Grand Total (A1 + A2 + A3 + A4)						2,919.91
							or say Rs	2,920.00

2.5

S/F TP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB/ RCCB/ Isolator)

2.5.7

8 WAY (8 + 24) DOUBLE DOOR, HORIZONTAL TYPE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1757	1	8 WAY (8+24), TPN, MCB DB Doule door horizontal type	1	No	2,736.00	#####	1	2,736.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						2,772.00
	A2	a.Cartage @ 1% of A1						27.72
		b.T & P @ 1% of A1						27.72
		Total (A2)						55.44
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						2,869.68
	A4	Overheads Charges @ 10%						286.97
		Grand Total (A1 + A2 + A3 + A4)						3,156.65
							or say Rs	3,157.00

2.5

S/F TP MCB DISTRIBUTION BOARD ISI MARKED

Supply and fixing of following way three pole and neutral, sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (But with out MCB/ RCCB/ Isolator)

2.5.8

12 WAY (12+ 36) DOUBLE DOOR, HORIZONTAL TYPE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty require	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1758	1	12 WAY (12+36), TPN, MCB DB Doule door horizontal type	1	No	3,537.00	#####	1	3,537.00
1823	2	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
	3	Cement, Sand etc. @ 50% of (2) of A1						12.00
		Total (A1)						3,573.00
	A2	a.Cartage @ 1% of A1						35.73
		b.T & P @ 1% of A1						35.73
		Total (A2)						71.46
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						3,686.70
	A4	Overheads Charges @ 10%						368.67
		Grand Total (A1 + A2 + A3 + A4)						4,055.37
								or say Rs 4,055.00

2.6

S/F "B" SERIES SP MCB / SPN MCCB

Supply and fixing of 5 amp to 32 amp rating 240 V "B" series miniature circuit breaker suitable for lighting and other loads of the following poles in the existing MCB DB ISI marked complete with connections testing and commissioning etc. as required.

2.6.1

SINGLE POLE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1701	1	6 amp to 32 amp rating SP MCB "B" series to 10KA breaking capacity	1	No	104.00	104.00	1	104.00
		Total (A1)						104.00
	A2	a.Cartage @ 1% of A1						1.04
		b.T & P @ 1% of A1						1.04
		Total (A2)						2.08
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		Total(A1+A2+A3)						114.84
	A4	Overheads Charges @ 10%						11.48
		Grand Total (A1 + A2 + A3 + A4)						126.32
							or say Rs	126.00

2.6

S/F "B" SERIES SP MCB / SPN MCCB

Supply and fixing of 5 amp to 32 amp rating 240 V "B" series miniature circuit breaker suitable for lighting and other loads of the following poles in the existing MCB DB ISI marked complete with connections testing and commissioning etc. as required.

2.6.2

SINGLE POLE NEUTRAL

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per ..	Qty require	Amount in Rs
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 each						
	A1	Materials						
1702	1	6 amp to 32 amp rating SP MCB "B" series to 10KA breaking capacity	1	No	325.00	325.00	1	325.00
		Total (A1)						325.00
	A2	a.Cartage @ 1% of A1						3.25
		b.T & P @ 1% of A1						3.25
		Total (A2)						6.50
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		Total(A1+A2+A3)						340.26
	A4	Overheads Charges @ 10%						34.03
		Grand Total (A1 + A2 + A3 + A4)						374.29
							or say Rs	374.00

2.6

S/F "B" SERIES SP MCB / SPN MCCB

Supply and fixing of 5 amp to 32 amp rating 240 V "B" series miniature circuit breaker suitable for lighting and other loads of the following poles in the existing MCB DB ISI marked complete with connections testing and commissioning etc. as required.

2.6.3

TRIPLE POLE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1704	1	6 amp to 32 amp rating TP MCB "B" series to 10KA breaking capacity	1	No	450.00	450.00	1	450.00
		Total (A1)						450.00
	A2	a.Cartage @ 1% of A1						4.50
		b.T & P @ 1% of A1						4.50
		Total (A2)						9.00
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		Total(A1+A2+A3)						467.76
	A4	Overheads Charges @ 10%						46.78
		Grand Total (A1 + A2 + A3 + A4)						514.54

or say **515.00**
Rs

189

2.6

S/F "B" SERIES SP MCB / SPN MCCB

Supply and fixing of 5 amp to 32 amp rating 240 V "B" series miniature circuit breaker suitable for lighting and other loads of the following poles in the existing MCB DB ISI marked complete with connections testing and commissioning etc. as required.

2.6.4

TRIPLE POLE AND NEUTRAL

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1705	1	6 amp to 32 amp rating TP MCB "B" series to 10KA breaking capacity	1	No	925.00	925.00	1	925.00
		Total (A1)						925.00
	A2	a.Cartage @ 1% of A1						9.25
		b.T & P @ 1% of A1						9.25
		Total (A2)						18.50
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		Total(A1+A2+A3)						952.26
	A4	Overheads Charges @ 10%						95.23
		Grand Total (A1 + A2 + A3 + A4)						1,047.49
							or say Rs	1,047.00

2.7

S/F "C" SERIES SP MCB / SPN MCCB

Supply and fixing of 5 amp to 32 amp rating 240 V "C" series miniature circuit breaker suitable for inductive loads of the following poles in the existing MCB DB ISI marked complete with connections testing and commissioning etc. as required.

2.7.1

SINGLE POLE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 each						
	A1	Materials						
1706	1	6 amp to 32 amp rating SP MCB "C" series to 10KA breaking capacity	1	No	104.00	104.00	1	104.00
		Total (A1)						104.00
	A2	a.Cartage @ 1% of A1						1.04
		b.T & P @ 1% of A1						1.04
		Total (A2)						2.08
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		Total(A1+A2+A3)						114.84
	A4	Overheads Charges @ 10%						11.48
		Grand Total (A1 + A2 + A3 + A4)						126.32
							or say Rs	126.00

2.7

S/F "C" SERIES SP MCB / SPN MCCB

Supply and fixing of 5 amp to 32 amp rating 240 V "C" series miniature circuit breaker suitable for inductive loads of the following poles in the existing MCB DB ISI marked complete with connections testing and commissioning etc. as required.

2.7.2

SINGLE POLE NEUTRAL

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1707	1	6 amp to 32 amp rating SP MCB "C" series to 10KA breaking capacity	1	No	325.00	325.00	1	325.00
		Total (A1)						325.00
	A2	a.Cartage @ 1% of A1						3.25
		b.T & P @ 1% of A1						3.25
		Total (A2)						6.50
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		Total(A1+A2+A3)						340.26
	A4	Overheads Charges @ 10%						34.03
		Grand Total (A1 + A2 + A3 + A4)						374.29
							or say Rs	374.00

2.7

S/F "C" SERIES SP MCB / SPN MCCB

Supply and fixing of 5 amp to 32 amp rating 240 V "C" series miniature circuit breaker suitable for inductive loads of the following poles in the existing MCB DB ISI marked complete with connections testing and commissioning etc. as required.

2.7.3

TRIPLE POLE

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 each						
	A1	Materials						
1709	1	6 amp to 32 amp rating TP MCB "C" series to 10KA breaking capacity	1	No	450.00	450.00	1	450.00
		Total (A1)						450.00
	A2	a.Cartage @ 1% of A1						4.50
		b.T & P @ 1% of A1						4.50
		Total (A2)						9.00
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		Total(A1+A2+A3)						467.76
	A4	Overheads Charges @ 10%						46.78
		Grand Total (A1 + A2 + A3 + A4)						514.54
							or say Rs	515.00

2.7

S/F "C" SERIES SP MCB / SPN MCCB

Supply and fixing of 5 amp to 32 amp rating 240 V "C" series miniature circuit breaker suitable for inductive loads of the following poles in the existing MCB DB ISI marked complete with connections testing and commissioning etc. as required.

2.7.4

TRIPLE POLE AND NEUTRAL

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1710	1	6 amp to 32 amp rating TP MCB "C" series to 10KA breaking capacity	1	No	925.00	925.00	1	925.00
		Total (A1)						925.00
	A2	a.Cartage @ 1% of A1						9.25
		b.T & P @ 1% of A1						9.25
		Total (A2)						18.50
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		Total(A1+A2+A3)						952.26
	A4	Overheads Charges @ 10%						95.23
		Grand Total (A1 + A2 + A3 + A4)						1,047.49

2.8

2.8.1

40 amp

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1712	1	40 amp 2 pole isolator	1	No	252.00	252.00	1	252.00
		Total (A1)						252.00
	A2	a.Cartage @ 1% of A1						2.52
		b.T & P @ 1% of A1						2.52
		Total (A2)						5.04
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		Total(A1+A2+A3)						265.80
	A4	Overheads Charges @ 10%						26.58
		Grand Total (A1 + A2 + A3 + A4)						292.38

or say **292.00**
Rs

2.8 **195**
S/F DP MCB ISOLATOR

Supply and fixing of following rating double pole 240 V isolator in the existing MCB DB ISI marked complete with connection testing and commissioning etc. as required.

2.8.2 **63 amp**

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty require	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1713	1	63 amp 2 pole isolator	1	No	315.00	315.00	1	315.00
		Total (A1)						315.00
	A2	a.Cartage @ 1% of A1						3.15
		b.T & P @ 1% of A1						3.15
		Total (A2)						6.30
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.04	5.16
1004	2	Helper	1	Day	90.00	90.00	0.04	3.60
		Total(A3)						8.76
		Total(A1+A2+A3)						330.06
	A4	Overheads Charges @ 10%						33.01
		Grand Total (A1 + A2 + A3 + A4)						363.07

or say **363.00**
Rs

196
S/F TP MCB ISOLATOR

2.9

Supply and fixing of following rating four pole 415 V isolator in the existing MCB DB ISI marked complete with connection testing and commissioning etc. as required.

2.9.1

40 amp

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 each						
	A1	Materials						
1714	1	40 amp 4 pole isolator	1	No	567.00	567.00	1	567.00
		Total (A1)						567.00
	A2	a.Cartage @ 1% of A1						5.67
		b.T & P @ 1% of A1						5.67
		Total (A2)						11.34
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.06	7.74
1004	2	Helper	1	Day	90.00	90.00	0.06	5.40
		Total(A3)						13.14
		Total(A1+A2+A3)						591.48
	A4	Overheads Charges @ 10%						59.15
		Grand Total (A1 + A2 + A3 + A4)						650.63

or say **651.00**
Rs

2.9 **197**
S/F TP MCB ISOLATOR

Supply and fixing of following rating four pole 415 V isolator in the existing MCB DB ISI marked complete with connection testing and commissioning etc. as required.

2.9.2 **63 amp**

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 each						
	A1	Materials						
1715	1	63 amp 4 pole isolator	1	No	594.00	594.00	1	594.00
		Total (A1)						594.00
	A2	a.Cartage @ 1% of A1						5.94
		b.T & P @ 1% of A1						5.94
		Total (A2)						11.88
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.06	7.74
1004	2	Helper	1	Day	90.00	90.00	0.06	5.40
		Total(A3)						13.14
		Total(A1+A2+A3)						619.02
	A4	Overheads Charges @ 10%						61.90
		Grand Total (A1 + A2 + A3 + A4)						680.92

or say **681.00**
Rs

2.9 **198**
S/F TP MCB ISOLATOR

Supply and fixing of following rating four pole 415 V isolator in the existing MCB DB ISI marked complete with connection testing and commissioning etc. as required.

2.9.3 **100 amp**

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per	Qty require	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1716	1	100 amp 4 pole isolator	1	No	885.00	885.00	1	885.00
		Total (A1)						885.00
	A2	a.Cartage @ 1% of A1						8.85
		b.T & P @ 1% of A1						8.85
		Total (A2)						17.70
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.06	7.74
1004	2	Helper	1	Day	90.00	90.00	0.06	5.40
		Total(A3)						13.14
		Total(A1+A2+A3)						915.84
	A4	Overheads Charges @ 10%						91.58
		Grand Total (A1 + A2 + A3 + A4)						1,007.42

or say **1,007.00**
Rs

2. 10

199
S/F SPN RCCB

Supply and fixing of following rating double pole (single pole and neutral) 240 V residual current break (RCCB) having a sensitivity current up to 300 milli ampere in the existing MCB DB ISI marked complete with connection testing and commissioning etc as required.

2.10.1

25 amp

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1717	1	25 amp 2 pole RCCB 100 mA / 300mA	1	No	1,773.00	#####	1	1,773.00
		Total (A1)						1,773.00
	A2	a.Cartage @ 1% of A1						17.73
		b.T & P @ 1% of A1						17.73
		Total (A2)						35.46
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1004	2	Helper	1	Day	90.00	90.00	0.08	7.20
		Total(A3)						17.52
		Total(A1+A2+A3)						1,825.98
	A4	Overheads Charges @ 10%						182.60

Grand Total (A1 + A2 + A3 + A4)

2,008.58

or say **2,009.00**
Rs

2. 10

200
S/F SPN RCCB

Supply and fixing of following rating double pole (single pole and neutral) 240 V residual current break (RCCB) having a sensitivity current up to 300 milli ampere in the existing MCB DB ISI marked complete with connection testing and commissioning etc as required.

2.10.2

40 amp

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per ..	Qty require	Amount in Rs
1	2	3	4	5	6	7	8	9

Cost for 1 each

A1 Materials

1718	1	40 amp 2 pole RCCB 100 mA / 300mA	1	No	2,034.00	#####	1	2,034.00
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Total (A1)								2,034.00
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A2	a.Cartage @ 1% of A1							20.34
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	b.T & P @ 1% of A1							20.34
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Total (A2)								40.68
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A3 Labour Charges

1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
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1004	2	Helper	1	Day	90.00	90.00	0.08	7.20
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Total(A3)								17.52
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Total(A1+A2+A3)								2,092.20
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A4	Overheads Charges @ 10%							209.22
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2,301.42

2,301.00

2. 10

2.10.3

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per	Quantit v	Amount in Rs
1	2	3	4	5	6	7	8	9

A1 Materials

Total (A1)

2,358.00

23.58

23.58

47.16

Total(A3)

17.52

2,422.68

242.27

2,664.95

2,665.00

2.11

2.11.1

Code No	Sl.No	Description of Materials	Qnty	Unit	Rate	Rate per ..	Qnty require	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1720	1	25 amp 4 pole RCCB 100 mA / 300mA	1	No	2,304.00	#####	1	2,304.00
		Total (A1)						2,304.00
	A2	a.Cartage @ 1% of A1						23.04
		b.T & P @ 1% of A1						23.04
		Total (A2)						46.08
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.15	19.35
1004	2	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						32.85
		Total(A1+A2+A3)						2,382.93
	A4	Overheads Charges @ 10%						238.29

Grand Total (A1 + A2 + A3 + A4)

2,621.22

or say **2,621.00**
Rs

2.11

203
S/F TPN RCCB

Supply and fixing of following rating four pole (three phase and neutral) 240 V residual current break (RCCB) having a sensitivity current up to 300 milli ampere in the existing MCB DB ISI marked complete with connection testing and commissioning etc as required.

2.11.2

40 amp

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1721	1	40 amp 4 pole RCCB 100 mA / 300mA	1	No	2,313.00	#####	1	2,313.00
		Total (A1)						
								2,313.00
	A2	a.Cartage @ 1% of A1						23.13
		b.T & P @ 1% of A1						23.13
		Total (A2)						46.26
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.15	19.35
1004	2	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						32.85
		Total(A1+A2+A3)						2,392.11
	A4	Overheads Charges @ 10%						239.21

2,631.32

2,631.00

204
S/F TPN RCCB

2.11.3

63 amp

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per	Quantity	Amount in Rs
1	2	3	4	5	6	7	8	9
		Cost for 1 each						
	A1	Materials						
1722	1	63 amp 2 pole RCCB 100 mA / 300mA	1	No	2,748.00	#####	1	2,748.00
		Total (A1)						2,748.00
	A2	a.Cartage @ 1% of A1						27.48
		b.T & P @ 1% of A1						27.48
		Total (A2)						54.96
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.15	19.35
1004	2	Helper	1	Day	90.00	90.00	0.15	13.50
		Total(A3)						32.85
		Total(A1+A2+A3)						2,835.81
	A4	Overheads Charges @ 10%						283.58

3,119.39

3.119.00

2.12

Supply and fixing of 20 amp 240 V SPN industrial type socket outlet with 2 pole and earth metal enclosure plug top along with 20 amp "C" series SP MCB in sheet steel enclosure on surface or in recess with chained metal cover for the socket outlet and complete connections, testing and commissioning etc. as required.

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
		Cost for 1 each						
	A1	Materials						
1730	1	20 amp SPN industrial type socket outlet with 2 pole and earth metal encloser	1	No	350.00	350.00	1	350.00
1706	2	20 amp rating SP MCB "C" Series 10KA breaking capacity	1	No	104.00	104.00	1	104.00
1823	3	6 mm dia rag Bolts with Nuts	1	No	6.00	6.00	4	24.00
		Total (A1)						478.00
	A2	a.Cartage @ 1% of A1						4.78
		b.T & P @ 1% of A1						4.78
		Total (A2)						9.56
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.12	13.92
1004	3	Helper	1	Day	90.00	90.00	0.20	18.00
		Total(A3)						42.24
		Total(A1+A2+A3)						529.80

A4	Overheads Charges @ 10%	52.98
	Grand Total (A1 + A2 + A3 + A4)	582.78
	or say Rs	583.00

2.13

206
P/F of DANGER BOARD

Providing and fixing M.V danger board of 200 mm x 150 mm made mild steel at least 2 mm thick and vitreous enameled white on both sides and with inscription in single red colours on front side as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1760	1	200 mm x 150 mm MV danger board	1	No	35.00	35.00	1	35.00
1840	2	15 mm long x 6 m dia G.I bolts and nuts	100	No	350.00	3.50	4	14.00
		Total (A1)						
								49.00
	A2	Cartage 1% of A						
								0.49
		Hire charges for T&P 1% of A						0.49
		Total (A2)						0.98
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1004	2	Helper	1	Day	90.00	90.00	0.08	7.20
		Total(A3)						17.52
		(A1+A2+A3)						67.50
	A4	Overhead charges 10% on (A1+A2+A3)						
								6.75

74.25

74.00

207
P/F of DANGER BOARD

Providing and fixing M.V danger board of 250 mm x 200 mm made mild steel at least 2 mm thick and vitreous enameled white on both sides and with inscription in single red colours on front side as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1756	1	250 mm x 200 mm H.T. danger notice plate	1	No	60.00	60.00	1	60.00
1840	2	15 mm long x 6 m dia G.I bolts and nuts	100	No	350.00	3.50	6	21.00
		Total (A1)						81.00
	A2	Cartage 1% of A						0.81
		Hire charges for T&P 1% of A						0.81
		Total (A2)						1.62
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.083	10.71
1004	2	Helper	1	Day	90.00	90.00	0.083	7.47
		Total(A3)						18.18
		(A1+A2+A3)						100.80

A4	Overhead charges 10% on (A1+A2+A3)	10.08
	Total(A1+A2+A3+A4)	110.88

**Or say
Rs 111.00**

208

2.15

S/F OF MAIN SWITCHES ISI Marked

Supply, Installation, Testing, and Commissioning of 32 Amp DP Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.Make-SEIMENS/HPL/ANCHOR/L&T/HAVELS/C & S/ RK

2.15.1

32 Amp DP

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9

Cost for 1 each

A1 Materials

1501	1	32 Amp DP main swich with Porcelain Base	1	No	803.00	803.00	1	803.00
	2	Electrical inter connection 2.5 % of Material						20.08
		Total (A1)						823.08

A2 a.Cartage @ 1% of A1 8.23

b.T & P @ 1% of A1 8.23

Total (A2) 16.46

A3 Labour Charges

1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38

Total(A1+A2+A3)	866.91
A4 Overheads Charges @ 10%	86.69
Grand Total (A1 + A2 + A3 + A4)	953.60
or say	954.00

209

2.15

S/F OF MAIN SWITCHES ISI Marked

Supply, Installation, Testing, and Commissioning of 32 Amp TPN Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.Make-SEIMENS/HPL/ANCHOR/L&T/HAVELS/C & S/ RK

2.15.2

32 Amp TPN

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty require d	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
A1 Materials								
1504	1	32 Amp TPN main swich with Porcelain Base	1	No	1,212.00	#####	1	1,212.00
	2	Electrical inter connection 2.5 % of Material						30.30
		Total (A1)						1,242.30
A2 a.Cartage @ 1% of A1								
								12.42
b.T & P @ 1% of A1								
								12.42
		Total (A2)						24.85
A3 Labour Charges								
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.17	14.99
		Total(A3)						31.12
		Total(A1+A2+A3)						1,298.27

A4	Overheads Charges @ 10%	129.83
	Grand Total (A1 + A2 + A3 + A4)	1,428.09
	or say Rs	1,428.00

2.15 **210
S/F OF MAIN SWITCHES ISI Marked**

Supply, Installation, Testing, and Commissioning of 63 Amp TPN Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.Make-SEIMENS/HPL/ANCHOR/L&T/HAVELS/C & S/ RK

2.15.3 **63 Amp TPN**

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
		Cost for 1 each						
	A1	Materials						
1505	1	63 Amp TPN main swich with Porcelain Base kit kat fuse	1	No	2,640.00	#####	1	2,640.00
	2	Electrical inter connection 2.5 % of Material						66.00
		Total (A1)						2,706.00
	A2	a.Cartage @ 1% of A1						
		b.T & P @ 1% of A1						27.06
		Total (A2)						54.12
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.17	14.99
		Total-A3						31.12
		Total(A1+A2+A3)						2,791.24

A4 A4 Overheads Charges @ 10% 279.12

Grand Total (A1 + A2 + A3 + A4) 3,070.36

or say **3,070.00**
Rs

211

2.15

S/F OF MAIN SWITCHES ISI Marked

Supply, Installation, Testing, and Commissioning of 100 Amp TPN Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.Make-SEIMENS/HPL/ANCHOR/L&T/HAVELS/C & S/ RK

2.15.4

100 Amp TPN

Code No	Sl.No	Description	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	A1 Materials						
1509	1	100 Amp TPN main swich with Porcelain Base kit kat fuse	1	No	4,994.00	#####	1	4,994.00
	3	Electrical inter connection 2.5 % of Material						124.85
		Total (A1)						5,118.85
	A2	a.Cartage @ 1% of A1						51.19
		b.T & P @ 1% of A1						51.19
		Total (A2)						102.38
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.17	14.99
		Total(A3)						31.12

	Total(A1+A2+A3)	5,252.35
A4	Overheads Charges @ 10%	525.23
	Grand Total (A1 + A2 + A3 + A4)	5,777.58
	or say Rs	5,778.00

212
S/F OF MAIN SWITCHES ISI Marked

2.15

Supply, Installation, Testing, and Commissioning of 125 Amp TPN Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.Make-SEIMENS/HPL/ANCHOR/L&T/HAVELS/C & S/ RK

2.15.5 **125 Amp TPN**

Code No	Sl.No	Description of Materials	Qnty	Unit	Rate	Rate per	Qnty require	Amount in Rs
1	2	3	4	5	6	7	8	9
		Cost for 1 each						
	A1	A1 Materials						
1506	1	125 Amp TPN main swich with Porcelain Base kit kat fuse	1	No	4,994.00	#####	1	4,994.00
	2	Electrical inter connection 2.5 % of Material						124.85
		Total (A1)						5,118.85
	A2	a.Cartage @ 1% of A1						51.19
		b.T & P @ 1% of A1						51.19
		Total (A2)						102.38
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.17	14.99
		Total(A3)						31.12

Total(A1+A2+A3)	5,252.35
A4 Overheads Charges @ 10%	525.23
Grand Total (A1 + A2 + A3 + A4)	5,777.58
	or say 5,778.00
	Rs

213

2.15 S/F OF MAIN SWITCHES ISI Marked

Supply, Installation, Testing, and Commissioning of 160 Amp TPN Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.Make-SEIMENS/HPL/ANCHOR/L&T/HAVELS/C & S/ RK

2.15.6 160 Amp TPN

Code No	Sl.No	Description of Materials	Qnty	Unit	Rate	Rate per	Qnty require	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	A1 Materials						
1507	1	160 Amp TPN main swich with Porcelain Base kit kat fuse	1	No	8,320.00	#####	1	8,320.00
	2	Electrical inter connection 2.5 % of Material						208.00
		Total (A1)						8,528.00
	A2	a.Cartage @ 1% of A1						85.28
		b.T & P @ 1% of A1						85.28
		Total (A2)						170.56
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.17	14.99
		Total(A3)						31.12

Total(A1+A2+A3)	8,729.68
A4 Overheads Charges @ 10%	872.97
Grand Total (A1 + A2 + A3 + A4)	9,602.65
or say Rs	9,603.00

214

2.15

S/F OF MAIN SWITCHES ISI Marked

Supply, Installation, Testing, and Commissioning of 200 Amp TPN Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.Make-SEIMENS/HPL/ANCHOR/L&T/HAVELS/C & S/ RK

2.15.7

200 Amp TPN

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per	Qty require	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	A1 Materials						
1507	1	200 Amp TPN main switch with Porcelain Base kit kat fuse	1	No	8,320.00	#####	1	8,320.00
	2	Electrical inter connection 2.5 % of Material						208.00
		Total (A1)						8,528.00
	A2	a.Cartage @ 1% of A1						85.28
		b.T & P @ 1% of A1						85.28
		Total (A2)						170.56
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.17	14.99
		Total(A3)						31.12

Total(A1+A2+A3)	8,729.68
A4 Overheads Charges @ 10%	872.97
Grand Total (A1 + A2 + A3 + A4)	9,602.65
or say Rs	9,603.00

215

2.15

S/F OF MAIN SWITCHES ISI Marked

Supply, Installation, Testing, and Commissioning of 250 Amp TPN Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.Make-SEIMENS/HPL/ANCHOR/L&T/HAVELS/C & S/ RK

2.15.8

250 Amp TPN

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per	Qty require	Amount in Rs
1	2	3	4	5	6	7	8	9
Cost for 1 each								
A1 A1 Materials								
1508	1	250 Amp TPN main swich with Porcelain Base kit kat fuse	1	No	11,070.00	#####	1	11,070.00
	2	Electrical inter connection 2.5 % of Material						276.75
		Total (A1)						11,346.75
A2 a.Cartage @ 1% of A1								
								113.47
b.T & P @ 1% of A1								
								113.47
		Total (A2)						226.94
A3 Labour Charges								
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.17	14.99
		Total(A3)						31.12
		Total(A1+A2+A3)						11,604.80

A4	Overheads Charges @ 10%	1,160.48
	Grand Total (A1 + A2 + A3 + A4)	12,765.28
	or say Rs	12,765.00

2.15 **216**
S/F OF MAIN SWITCHES ISI Marked

Supply, Installation, Testing, and Commissioning of 315 Amp TPN Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.Make-SEIMENS/HPL/ANCHOR/L&T/HAVELS/C & S/ RK

2.15.9		315 Amp TPN						
Code No	Sl.No	Description of Materials	Qnty	Unit	Rate	Rate per unit	Qnty required	Amount in Rs
1	2	3	4	5	6	7	8	9
		Cost for 1 each						
	A1	A1 Materials						
1508	1	315 Amp TPN main swich with Porcelain Base kit kat fuse	1	No	11,070.00	#####	1	11,070.00
	2	Electrical inter connection 2.5 % of Material						276.75
		Total (A1)						11,346.75
	A2	a.Cartage @ 1% of A1						113.47
		b.T & P @ 1% of A1						113.47
		Total (A2)						226.94
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.17	14.99
		Total(A3)						31.12
		Total(A1+A2+A3)						11,604.80

A4 Overheads Charges @ 10% 1,160.48

Grand Total (A1 + A2 + A3 + A4) 12,765.28

or say **12,765.00**
Rs

217

2.15

S/F OF MAIN SWITCHES ISI Marked

Supply, Installation, Testing, and Commissioning of 400 Amp TPN Main switches of following capacity (IS 13940 Part 3/1993) on existing surface / wall mountnting and complete with HRC Fuse links, interconnections, earthing, etc. as required as per direction of Engineer in Charge.Make-SEIMENS/HPL/ANCHOR/L&T/HAVELS/C & S/ RK

2.15.10

400 Amp TPN

Code No	Sl.No	Description of Materials	Qty	Unit	Rate	Rate per unit	Qty required	Amount in Rs
1	2	3	4	5	6	7	8	9
		Cost for 1 each						
	A1	A1 Materials						
1509	1	400 Amp TPN main swich with Porcelain Base kit kat fuse	1	No	15,570.00	#####	1	15,570.00
	2	Electrical inter connection 2.5 % of Material						389.25
		Total (A1)						15,959.25
	A2	a.Cartage @ 1% of A1						159.59
		b.T & P @ 1% of A1						159.59
		Total (A2)						319.19
	A3	Labour Charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.13	16.13
1004	2	Helper	1	Day	90.00	90.00	0.17	14.99
		Total(A3)						31.12
		Total(A1+A2+A3)						16,309.55

A4	Overheads Charges @ 10%	1,630.96
	Grand Total (A1 + A2 + A3 + A4)	17,940.51
	or say Rs	17,941.00

218
ANALYSIS OF RATE

3.0- EARTHING

3.1 **G.I. Earth Pipe electrode with out salt / charcoal**

Earthing with G.I earth pipe 3 meter long 40 mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangment and watering pipe etc (but with out charcoal and salt) as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 1 set						
	A1	Materials						
1334	1	40 mm G.I. pipe medium class	1	Mtr	155.00	155.00	3	465.00
1830	2	Funnel, G.I nuts, through bolt, G.I washer	1	Set	65.00	65.00	1	65.00
1829	3	Locking arrangement with hinged cover plate	1	No	205.00	205.00	1	205.00
1809	4	40 mm to 20 G.I. reducer	1	No	14.00	14.00	1	14.00
1831	5	Drilling of 5 nos 12 mm dia holes on G.I.Pipe	1	LS	96.00	96.00	1	96.00
1826	6	Excavation	1	Cum	52.00	52.00	2.5	130.00
1833	7	Brick work in cement mortar	1	LS	102.00	102.00	1	102.00
		Total (A1)						1,077.00
	A2	Cartage 1% of A						10.77
		Wastage 1% of A						10.77
		Hire charges for T&P 1% of A						10.77
		Total (A2)						32.31
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.5	58.00
1004	3	Helper	1	Day	90.00	90.00	1	90.00
		Total(A3)						212.50

	(A1+A2+A3)		1,321.81
A4	Overhead charges 10% on (A1+A2+A3)		132.18
	Total(A1+A2+A3+A4)		1,453.99
		or say	1,454.00

219

3.2

G.I. Earth Pipe electrode with salt / charcoal

Earthing with G.I earth pipe 3 meter long 40 mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal and salt as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1334	1	40 mm G.I. pipe medium class	1	Mtr	155.00	155.00	3	465.00
1830	2	Funnel, G.I nuts, through bolt, G.I washer	1	Set	65.00	65.00	1	65.00
1829	3	Locking arrangement with hinged cover plate	1	No	205.00	205.00	1	205.00
1809	4	40 mm to 20 G.I. reducer	1	No	14.00	14.00	1	14.00
1831	5	Drilling of 5 nos 12 mm dia holes on G.I.Pipe	1	LS	96.00	96.00	1	96.00
1810	6	Charcoal	1	Kg	7.00	7.00	64	448.00
1812	7	Salt	1	Kg	5.00	5.00	5	25.00
1826	8	Excavation	1	Cum	52.00	52.00	2.5	130.00
1833	9	Brick work in cement mortar	1	LS	102.00	102.00	1	102.00
		Total (A1)						1,550.00
	A2	Cartage 1% of A						15.50
		Wastage 1% of A						15.50
		Hire charges for T&P 1% of A						15.50
		Total (A2)						46.50
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.5	58.00
1004	3	Helper	1	Day	90.00	90.00	1	90.00
		Total(A3)						212.50
		(A1+A2+A3)						1,809.00

A4	Overhead charges 10% on (A1+A2+A3)	180.90
	Total(A1+A2+A3+A4)	1,989.90
	or say Rs.	1,990.00

3.3 **220**
Salt / charcoal for pipe earth electrode

Extra for using salt and charcoal for G.I or copper pipe earth electrode as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for one set						
	A1	Materials						
1810	1	Charcoal	1	Kg	7.00	7.00	64	448.00
1812	2	Salt	1	Kg	5.00	5.00	5	25.00
		Total (A1)						473.00
	A2	Cartage 1% of A						4.73
		Total (A2)						4.73
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0	0.00
1004	2	Helper	1	Day	90.00	90.00	0	0.00
		Total(A3)						0.00
		(A1+A2+A3)						477.73
		(A4)Overhead charges 10% on (A1+A2+A3)						47.77
		Total(A1+A2+A3+A4)						525.50

A4	Overhead charges 10% on	214.53
	(A1+A2+A3)	
	Total(A1+A2+A3+A4)	2,359.84
	or say	2,360.00
	Rs.	

222

3.5

Copper Earth Plate electrode

Earthing with copper earth plate 600 mm x 600mm x 3.15 mm thick ISI marked including accessories and providing masonry with cover plate having locking arrangement and watering pipe etc (But with out charcoal and salt) as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
1802	1	600 mm x 600mm x 3.15 mm thick (10.5 kg) copper plate	1	No	3,445.00	#####	1	3,445.00
1849	2	Funnel, tinned brass bolt, nuts, check and washers.	1	Set	90.00	90.00	1	90.00
1829	3	Locking arrangement with hinged cover plate	1	No	205.00	205.00	1	205.00
1332	4	20 mm G.I. pipe medium class	1	Mtr	86.00	86.00	2.7	232.20
1826	5	Excavation	1	Cum	52.00	52.00	3	156.00
1833	6	Brick work in cement mortar	1	LS	102.00	102.00	1	102.00
		Total (A1)						4,230.20
	A2	Cartage 1% of A						42.30
		Wastage 1% of A						42.30
		Hire charges for T&P 1% of A						42.30
		Total (A2)						126.91
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.5	58.00
1004	3	Helper	1	Day	90.00	90.00	0.5	45.00
		Total(A3)						167.50
		(A1+A2+A3)						4,524.61

A4	Overhead charges 10% on (A1+A2+A3)	452.46
	Total(A1+A2+A3+A4)	4,977.07
	or say Rs.	4,977.00

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3.6

Salt / charcoal for plate earth electrode

Extra for using salt and charcoal for G.I or copper plate earth as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for one set								
	A1	Materials						
1810	1	Charcoal	1	Kg	7.00	7.00	96	672.00
1812	2	Salt	1	Kg	5.00	5.00	5	25.00
		Total (A1)						697.00
	A2	Cartage 1% of A						6.97
		Total (A2)						6.97
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0	0.00
1004	2	Helper	1	Day	90.00	90.00	0	0.00
		Total(A3)						0.00
		(A1+A2+A3)						703.97
		(A4)Overhead charges 10% on (A1+A2+A3)						70.40

Total(A1+A2+A3+A4)

774.37

or say
Rs 774.00

224

3.7

S/L of 8 SWG copper wire in ground

Supplying and laying 8 SWG copper wires ISI marked at 0.5 meter below ground level for conductor earth electrode including soldering etc. as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 30 meter								
	A1	Materials						
1808	1	8 SWG copper wire(4mm dia)	1	Kg	390.00	390.00	3.51	1,368.90
1826	2	Excavation	1	Cum	52.00	52.00	2.7	140.40
1834	3	Soldering joint	1	No	15.00	15.00	1	15.00
		Total (A1)						1,524.30
	A2	Cartage 1% of A						15.24
		Wastage 1% of A						15.24
		Hire charges for T&P 1% of A						15.24
		Total (A2)						45.73
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38
		(A1+A2+A3)						1,597.40
	A4	Overhead charges 10% on (A1+A2+A3)						159.74

Total(A1+A2+A3+A4) 1,757.14

Rate per Meter 58.57

**or say
Rs 59.00**

3.8 **225**
S/L of 6 SWG G.I.wire in ground

Supplying and laying 6 SWG G.I. wires ISI marked at 0.5 meter below ground level for conductor earth electrode including soldering etc. as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 30 meter								
	A1	Materials						
1806	1	6 SWG G.I. wire	1	Kg	48.00	48.00	4.41	211.68
1826	2	Excavation	1	Cum	52.00	52.00	2.7	140.40
1834	3	Soldering joint	1	No	15.00	15.00	1	15.00
		Total (A1)						367.08
	A2	Cartage 1% of A						3.67
		Wastage 1% of A						3.67
		Hire charges for T&P 1% of A						3.67
		Total (A2)						11.01
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38
		(A1+A2+A3)						405.47
		(A4)Overhead charges 10% on (A1+A2+A3)						40.55

Total(A1+A2+A3+A4) 446.01

Rate per Meter 14.87

or say
Rs 15.00

226

3.9

S/L of 25 mm x 5 mm G.I earth strip in ground

Supplying and laying 25 mm x 5 mm G.I earth strip ISI marked at 0.5 meter below ground level as strip earth electrode including soldering etc. as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 30 meter								
	A1	Materials						
1803	1	25 mm x 5 mm G.I strip (1.0 Kg/Mtr)	1	Kg	56.00	56.00	30	1,680.00
1826	2	Excavation	1	Cum	52.00	52.00	2.7	140.40
1834	3	Soldering joint	1	No	15.00	15.00	1	15.00
		Total (A1)						1,835.40
	A2	Cartage 1% of A						18.35
		Wastage 1% of A						18.35
		Hire charges for T&P 1% of A						18.35
		Total (A2)						55.06
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38
		(A1+A2+A3)						1,917.84
	A4	Overhead charges 10% on (A1+A2+A3)						191.78
		Total(A1+A2+A3+A4)						2,109.62

Rate per Meter

70.32

or say
Rs

70.00

227

3. 10

S/L of 25 mm x 6 mm G.I earth strip in ground

Supplying and laying 25 mm x 6 mm G.I earth strip ISI marked at 0.5 meter below ground level as strip earth electrode including soldering etc. as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 30 meter								
	A1	Materials						
1804	1	25 mm x 6 mm G.I strip (1.2 Kg/Mtr)	1	Kg	56.00	56.00	36	2,016.00
1826	2	Excavation	1	Cum	52.00	52.00	2.7	140.40
1834	3	Soldering joint	1	No	15.00	15.00	1	15.00
		Total (A1)						2,171.40
	A2	Cartage 1% of A						21.71
		Wastage 1% of A						21.71
		Hire charges for T&P 1% of A						21.71
		Total (A2)						65.14
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38
		(A1+A2+A3)						2,263.92
	A4	Overhead charges 10% on (A1+A2+A3)						226.39
		Total(A1+A2+A3+A4)						2,490.31

Rate per Meter

83.01

or say
Rs

83.00

228

3.11

S/L of 25 mm x 5 mm Copper earth strip in 40 mm dia G.I. pipe

Providing and fixing 25 mm x 5 mm Copper strip in 40 mm dia G.I. pipe from earth electrode as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meter								
	A1	Materials						
1805	1	25 mm x 5 mm Copper strip (1.15Kg/ Mtr)	1	Kg	390.00	390.00	11.5	4,485.00
1334	2	40mm dia G.I. pipe medium class 1.6m thick	1	No	155.00	155.00	1	155.00
1338	3	40mm dia G.I. bend medium class 1.6m thick	1	No	62.00	62.00	1	62.00
1826	5	Excavation	1	Cum	52.00	52.00	0.9	46.80
		Total (A1)						4,748.80
	A2	Cartage 1% of A						47.49
		Wastage 1% of A						47.49
		Hire charges for T&P 1% of A						47.49
		Total (A2)						142.46
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38
		(A1+A2+A3)						4,918.64
	A4	Overhead charges 10% on (A1+A2+A3)						491.86
		Total(A1+A2+A3+A4)						5,410.50

541.05

541.00

3.12

S/L of 25 mm x 5 mm G.I. earth strip in 40 mm dia G.I. pipe

Code No	Sl.No.	Description of materials	Qnty	Unit	Rate in Rs.	Rate/U nit	Qnty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 10 meter						
	A1	Materials						
1803	1	25 mm x 5 mm G.I strip (1.0 Kg / Mtr)	1	Kg	56.00	56.00	10	560.00
1334	2	40mm dia G.I. pipe medium class 1.6m thick	1	No	155.00	155.00	1	155.00
1338	3	40mm dia G.I. bend medium class 1.6m thick	1	No	62.00	62.00	1	62.00
1826	4	Excavation	1	Cum	52.00	52.00	0.9	46.80
		Total (A1)						823.80
	A2	Cartage 1% of A						8.24
		Wastage 1% of A						8.24
		Hire charges for T&P 1% of A						8.24
		Total (A2)						24.71
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38
		(A1+A2+A3)						875.89
	A4	Overhead charges 10% on (A1+A2+A3)						87.59
		Total(A1+A2+A3+A4)						963.48

Rate per Meter

96.35

or say
Rs

96.00

230

3.13

S/L of 6 SWG G.I.wire in 15 mm dia G.I. pipe

Supplying and laying earth connection from earth electrode with 6 SWG dia G.I. wire in 15 mm G.I pipe from earth electrode as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meter								
	A1	Materials						
1331	1	15mm dia G.I. pipe medium class 1.6m thick	1	Mtr	65.00	65.00	10	650.00
1826	2	Excavation	1	Cum	52.00	52.00	0.9	46.80
1806	3	6 SWG G.I. Wire (0.147 kg/ mtr)	1	Kg	48.00	48.00	1.47	70.56
		Total (A1)						767.36
	A2	Cartage 1% of A						7.67
		Wastage 1% of A						7.67
		Hire charges for T&P 1% of A						7.67
		Total (A2)						23.02
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38
		(A1+A2+A3)						817.76
		(A4)Overhead charges 10% on (A1+A2+A3)						81.78
		Total(A1+A2+A3+A4)						899.53

Rate per Meter

89.95

or say
Rs

90.00

231

3.14

S/L of 8 SWG Copper wire in 15 mm dia G.I. pipe

Supplying and laying earth connection from earth electrode with 4 mm dia (8 SWG) copper wire in 15 mm G.I pipe from earth electrode as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meter								
	A1	Materials						
1331	1	15 mm dia G.I. pipe medium class 1.6m thick	1	Mtr	65.00	65.00	10	650.00
1826	2	Excavation	1	Cum	52.00	52.00	0.9	46.80
1808	3	8 SWG Copper Wire (4mm dia)	1	Kg	390.00	390.00	1.17	456.30
		Total (A1)						1,153.10
	A2	Cartage 1% of A						11.53
		Wastage 1% of A						11.53
		Hire charges for T&P 1% of A						11.53
		Total (A2)						34.59
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.125	16.13
1004	2	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						27.38
		(A1+A2+A3)						1,215.07
		(A4)Overhead charges 10% on (A1+A2+A3)						121.51
		Total(A1+A2+A3+A4)						1,336.57

Rate per Meter

133.66

**or say
Rs 134.00**

232

3.15

S/L of 25 mm x 5 mm Copper strip on surface or in recess.

Supplying and laying 25 mm x 5 mm copper strip on surface or in recess for connection etc as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 10 meter						
	A1	Materials						
1805	1	25 mm x 5 mm copper strip (1.15 / Mtr)	1	Kg	390.00	390.00	11.5	4,485.00
1820	2	Copper saddle 20 mm x 3 mm	1	No	2.40	2.40	17	40.80
1449	3	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	34	17.00
		Total (A1)						4,542.80
	A2	Cartage 1% of A						45.43
		Wastage 1% of A						45.43
		Hire charges for T&P 1% of A						45.43
		Total (A2)						136.28
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1002	2	Mason	1	Day	116.00	116.00	0.25	29.00
1004	3	Helper	1	Day	90.00	90.00	0.75	67.50
		Total(A3)						161.00
		(A1+A2+A3)						4,840.08
		(A4)Overhead charges 10% on (A1+A2+A3)						484.01
		Total(A1+A2+A3+A4)						5,324.09
		Rate per Meter						532.41

or say **532.00**
Rs

233

3.16

S/L of 25 mm x 5 mm G.I. strip on surface or in recess.

Supplying and laying 25 mm x 5mm G.I. strip on surface or in recess for connection etc as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 10 meter						
	A1	Materials						
1803	1	25 mm x 5 mm G.I strip (1.0 / Mtr)	1	Kg	56.00	56.00	10	560.00
1821	2	G.I. saddle 20 mm x 3 mm	1	No	1.60	1.60	17	27.20
1449	3	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	34	17.00
		Total (A1)						604.20
	A2	Cartage 1% of A						6.04
		Wastage 1% of A						6.04
		Hire charges for T&P 1% of A						6.04
		Total (A2)						18.13
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1002	2	Mason	1	Day	116.00	116.00	0.25	29.00
1004	3	Helper	1	Day	90.00	90.00	0.75	67.50
		Total(A3)						161.00
		(A1+A2+A3)						783.33
		(A4)Overhead charges 10% on (A1+A2+A3)						78.33
		Total(A1+A2+A3+A4)						861.66
		Rate per Meter						86.17

or say **86.00**
Rs

234

3.17

P/F 6 SWG GI loop earth wire in surface / recess

Providing and fixing 6 SWG G.I. wire on surface or in recess for loop earthing as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/U nit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1806	1	6 SWG G.I. Wire (0.147 kg/ mtr)	1	Kg	48.00	48.00	7.325	351.60
1822	2	G.I. hooks	1	No	2.00	2.00	85	170.00
		Total (A1)						351.60
	A2	Cartage 1% of A1						3.52
		Wastage 1% of A1						3.52
		Hire charges for T&P 1% of A1						3.52
		Phil / Rawl plug, cement etc @ 10 %of (1)of A						85.00
		Total (A2)						95.55
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.75	96.75
1002	2	Mason	1	Day	116.00	116.00	1.625	188.50
1004	3	Helper	1	Day	90.00	90.00	2.375	213.75
		Total(A3)						499.00
		(A1+A2+A3)						946.15
		(A4)Overhead charges 10% on (A1+A2+A3)						94.61
		Total(A1+A2+A3+A4)						1,040.76
		Rate per Meter						20.82

or say 21.00
Rs

235

3.18

P/F 8 SWG (4 mm) dia copper wire in surface / recess

Providing and fixing 8 SWG (4 mm) dia copper wire on surface or in recess for loop earthing as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1808	1	8 SWG Copper wire (4.0 mm dia)	1	Kg	390.00	390.00	5.85	2,281.50
1822	2	G.I. hooks	1	No	2.00	2.00	85	170.00
		Total (A1)						2,281.50
	A2	Cartage 1% of A1						22.82
		Wastage 1% of A1						22.82
		Hire charges for T&P 1% of A1						22.82
		Phil / Rawl plug, cement etc @ 10 %of (1)of A						85.00
		Total (A2)						153.45
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.75	96.75
1002	2	Mason	1	Day	116.00	116.00	1.625	188.50
1004	3	Helper	1	Day	90.00	90.00	2.375	213.75
		Total(A3)						499.00
		(A1+A2+A3)						2,933.95
		(A4)Overhead charges 10% on (A1+A2+A3)						293.39
		Total(A1+A2+A3+A4)						3,227.34
		Rate per Meter						64.55

or say
Rs 65.00

236

3.19

P/F 6 SWG GI earth wire with conduit / cable

Providing and fixing 6 SWG G.I. wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring / cable as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 meter								
	A1	Materials						
1806	1	6 SWG G.I. Wire (0.147 kg/ mtr)	1	Kg	48.00	48.00	7.325	351.60
		Total (A1)						351.60
	A2	Cartage 1% of A1						3.52
		Wastage 1% of A1						3.52
		Hire charges for T&P 1% of A1						3.52
		Total (A2)						10.55
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.75	96.75
1004	2	Helper	1	Day	90.00	90.00	0.75	67.50
		Total(A3)						164.25
		(A1+A2+A3)						526.40
		(A4)Overhead charges 10% on (A1+A2+A3)						52.64
		Total(A1+A2+A3+A4)						579.04
		Rate per Meter						11.58

or say
Rs 12.00

3. 20

P/F 8 SWG (4 mm) dia copper wire in conduit / cable

Providing and fixing 8 SWG (4 mm) dia copper wire on surface or in recess for loop earthing along with existing surface / recessed conduit / submain wiring / cable as required

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
Cost for 50 meter								
<hr/>								
	A1	Materials						
1808	1	8 SWG Copper wire (4.0 mm dia)	1	Kg	390.00	390.00	5.85	2,281.50
		Total (A1)						
								2,281.50
	A2	Cartage 1% of A1						22.82
		Wastage 1% of A1						22.82
		Hire charges for T&P 1% of A1						22.82
		Total (A2)						68.45
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.75	96.75
1004	2	Helper	1	Day	90.00	90.00	0.75	67.50
		Total(A3)						164.25
		(A1+A2+A3)						2,514.20
		(A4)Overhead charges 10% on (A1+A2+A3)						251.42
		Total(A1+A2+A3+A4)						2,765.61
		Rate per Meter						55.31
								or say Rs 55.00

3.21

P/F of 50 mm x 5 mm Earth Bus on surface

Providing and fixing of earth bus of 50 mm x 5 mm copper strip ISI marked on surface for connection etc as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meter								
	A1	Materials						
1854	1	50 mm x 5 mm Copper tape (2.3Kg/ Mtr)	1	Kg	390.00	390.00	23	8,970.00
1820	2	Copper Saddle	1	No	2.40	2.40	17	40.80
1449	3	Al.Alloy / Cadmium Plated airon Screws 20mm	100	No	50.00	0.50	1	0.50
		Total (A1)						9,011.30
	A2	Cartage 1% of A						90.11
		Wastage 1% of A						90.11
		Hire charges for T&P 1% of A						90.11
		Total (A2)						270.34
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.6	77.40
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.25	29.00
1004	3	Helper	1	Day	90.00	90.00	0.85	76.50
		Total(A3)						182.90
		(A1+A2+A3)						9,464.54
	A4	Overhead charges 10% on (A1+A2+A3)						946.45
		Total(A1+A2+A3+A4)						10,410.99
		Rate per Meter						1,041.10
							or say Rs	1,041.00

4.1

P/F of lightning conductor finial (Copper)

Providing and fixing of lightning conductor finial made of 25 mm dia 300 mm long, copper tube, having single prong at top, with 85 mm dia 3 mm thick copper base plate including holes etc. complete as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 each								
	A1	Materials						
1814	1	Lightning finial, 25 mm dia x 300 mm long copper	1	Kg	390.00	390.00	1	390.00
1823	2	6 mm dia rag bolts with nuts	1	No	6.00	6.00	4	24.00
	3	Cement and Sands etc.	1	LS	15.00	15.00	1	15.00
		Total (A1)						429.00
	A2	Cartage 1% of A						4.29
		Wastage 1% of A						4.29
		Hire charges for T&P 1% of A						4.29
		Total (A2)						12.87
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason	1	Day	116.00	116.00	0.165	19.14
1004	3	Helper	1	Day	90.00	90.00	0.245	22.05
		Total(A3)						51.51
		(A1+A2+A3)						493.38
		(A4)Overhead charges 10% on (A1+A2+A3)						49.34
		Total(A1+A2+A3+A4)						542.72
							or say Rs	543.00

P/F of lightning conductor finial (G.I.)

Providing and fixing of lightning conductor finial made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 1 each						
	A1	Materials						
1815	1	Lightning finial, 25 mm dia x 300 mm G.I.	1	Kg	135.00	135.00	1	135.00
1823	2	6 mm dia rag bolts with nuts	1	No	6.00	6.00	4	24.00
	3	Cement and Sands etc.	1	LS	15.00	15.00	1	15.00
		Total (A1)						174.00
	A2	Cartage 1% of A						1.74
		Wastage 1% of A						1.74
		Hire charges for T&P 1% of A						1.74
		Total (A2)						5.22
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason	1	Day	116.00	116.00	0.165	19.14
1004	3	Helper	1	Day	90.00	90.00	0.245	22.05
		Total(A3)						51.51
		(A1+A2+A3)						230.73
		(A4)Overhead charges 10% on (A1+A2+A3)						23.07
		Total(A1+A2+A3+A4)						253.80
							or say Rs	254.00

Fixing of lightning conductor finial

Fixing of lightning conductor finial made up of 25 mm dia 300 mm long , Copper tube / G.I. tube having single prong at top with 85 mm dia 6 mm thick G.I. base plate ISI marked including holes etc. complete as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for Each								
	A1	Materials						
1823	2	6 mm dia rag bolts with nuts	1	No	6.00	6.00	4	24.00
	3	Cement and Sands etc.	1	LS	15.00	15.00	1	15.00
		Total (A1)						39.00
	A2	Cartage 1% of A						0.39
		Wastage 1% of A						0.39
		Hire charges for T&P 1% of A						0.39
		Total (A2)						1.17
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.08	10.32
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.165	19.14
1004	2	Helper	1	Day	90.00	90.00	0.245	22.05
		Total(A3)						51.51
		(A1+A2+A3)						91.68
	A4	Overhead charges 10% on (A1+A2+A3)						9.17
		Total(A1+A2+A3+A4)						100.85
							or say Rs	101.00

4.4

Reveting, sweating and soldering of copper / G.I. strip

Reveting, sweating and soldering of copper / G.I. tape (with another copper / G.I. tape, base of the finial or any other metallic object) as required.

Code No	Sl.No.	Description of materials	Qnty	Unit	Rate in Rs.	Rate/U nit	Qnty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meter								
	A1	Materials						
1824	1	6 mm dia revert / stud / bolts and nuts	1	No	5.00	5.00	2	10.00
1825	2	Tin solder	1	LS	20.00	20.00	1	20.00
		Total (A1)						30.00
	A2	Cartage 1% of A						0.30
		Wastage 1% of A						0.30
		Hire charges for T&P 1% of A						0.30
		Total (A2)						0.90
	A3	Labour charges						
1001	1	Fitter, Grade-II	1	Day	116.00	116.00	0.125	14.50
1004	3	Helper	1	Day	90.00	90.00	0.125	11.25
		Total(A3)						25.75
		(A1+A2+A3)						56.65
		(A4)Overhead charges 10% on (A1+A2+A3)						5.67
		Total(A1+A2+A3+A4)						62.32
							or say Rs	62.00

243

4.5 P/F of copper tape on parapet or wall surface (Horizontal run)

Providing and fixing of copper tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meter								
	A1	Materials						
1816	1	20 mm x 3 mm (0.533 Kg/ mtr) copper tape	1	Kg	390.00	390.00	5.33	2,078.70
1821	2	G.I. saddle 20 mm x 3 mm	1	No	1.60	1.60	10	16.00
1449	3	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	20	10.00
		Total (A1)						2,104.70
	A2	Cartage 1% of A						21.05
		Wastage 1% of A						21.05
		Hire charges for T&P 1% of A						21.05
		Total (A2)						63.14
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1002	2	Mason	1	Day	116.00	116.00	0.125	14.50
1004	3	Helper	1	Day	90.00	90.00	0.375	33.75
		Total(A3)						80.50
		(A1+A2+A3)						2,248.34
		(A4)Overhead charges 10% on (A1+A2+A3)						224.83
		Total(A1+A2+A3+A4)						2,473.18
		Rate per Meter						247.32
							or say Rs	247.00

4.6

P/F of copper tape on parapet or wall surface (Vertical run)

Providing and fixing of copper tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meter								
	A1	Materials						
1816	1	20 mm x 3 mm (0.533 Kg/ mtr) copper tape	1	Kg	390.00	390.00	5.33	2,078.70
1821	2	G.I. saddle 20 mm x 3 mm	1	No	1.60	1.60	11	17.60
1449	3	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	22	11.00
		Total (A1)						2,107.30
	A2	Cartage 1% of A						21.07
		Wastage 1% of A						21.07
		Hire charges for T&P 1% of A						21.07
		Total (A2)						63.22
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1002	2	Mason	1	Day	116.00	116.00	0.25	29.00
1004	3	Helper	1	Day	90.00	90.00	0.75	67.50
		Total(A3)						161.00
		(A1+A2+A3)						2,331.52
		(A4)Overhead charges 10% on (A1+A2+A3)						233.15
		Total(A1+A2+A3+A4)						2,564.67
		Rate per Meter						256.47
							or say Rs	256.00

4.7

P/F of G.I. tape on parapet or wall surface (Horizontal run)

Providing and fixing of G.I. tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meter								
	A1	Materials						
1818	1	20 mm x 3 mm (0.461 Kg/ mtr) G.I. tape	1	Kg	48.00	48.00	4.61	221.28
1821	2	G.I. saddle 20 mm x 3 mm	1	No	1.60	1.60	10	16.00
1449	3	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	20	10.00
		Total (A1)						247.28
	A2	Cartage 1% of A						2.47
		Wastage 1% of A						2.47
		Hire charges for T&P 1% of A						2.47
		Total (A2)						7.42
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1002	2	Mason	1	Day	116.00	116.00	0.125	14.50
1004	3	Helper	1	Day	90.00	90.00	0.375	33.75
		Total(A3)						80.50
		(A1+A2+A3)						335.20
		(A4)Overhead charges 10% on (A1+A2+A3)						33.52
		Total(A1+A2+A3+A4)						368.72
		Rate per Meter						36.87
							or say Rs	37.00

4.8

P/F of G.I. tape on parapet or wall surface (Vertical run)

Providing and fixing of G.I. tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meter								
	A1	Materials						
1818	1	20 mm x 3 mm (0.461 Kg/ mtr) G.I. tape	1	Kg	48.00	48.00	5.33	255.84
1821	2	G.I. saddle 20 mm x 3 mm	1	No	1.60	1.60	11	17.60
1449	3	Al alloy cadmium plated iron screw 20 mm	100	No	50.00	0.50	22	11.00
		Total (A1)						284.44
	A2	Cartage 1% of A						2.84
		Wastage 1% of A						2.84
		Hire charges for T&P 1% of A						2.84
		Total (A2)						8.53
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1002	2	Mason	1	Day	116.00	116.00	0.25	29.00
1004	3	Helper	1	Day	90.00	90.00	0.75	67.50
		Total(A3)						161.00
		(A1+A2+A3)						453.97
		(A4)Overhead charges 10% on (A1+A2+A3)						45.40
		Total(A1+A2+A3+A4)						499.37
		Rate per Meter						49.94
							or say Rs	50.00

Fixing of copper / G.I. tape

Fixing of copper / G.I tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meters								
	A1	Materials						
1821	1	G.I. saddles, 20 mm x 3mm	1	No	1.60	1.60	10	16.00
	2	Phil / Rawl plug, cement etc @ 10 % of (1) of A						1.60
		Total (A1)						17.60
	A2	Cartage 1% of A						0.18
		Wastage 1% of A						0.18
		Hire charges for T&P 1% of A						0.18
		Total (A2)						0.53
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.125	14.50
1004	3	Helper	1	Day	90.00	90.00	0.375	33.75
		Total(A3)						80.50
		(A1+A2+A3)						98.63
	A4	Overhead charges 10% on (A1+A2+A3)						9.86
		Total(A1+A2+A3+A4)						108.49
		Rate per Meter						10.85
							or say Rs	11.00

Fixing of copper / G.I. tape

Fixing of copper / G.I tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meters								
	A1	Materials						
1821	1	G.I. saddles, 20 mm x 3mm	1	No	1.60	1.60	10	16.00
	2	Phil / Rawl plug, cement etc @ 10 % of (1) of A						1.60
		Total (A1)						17.60
	A2	Cartage 1% of A						0.18
		Wastage 1% of A						0.18
		Hire charges for T&P 1% of A						0.18
		Total (A2)						0.53
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.5	64.50
1002	2	Mason, Grade-II	1	Day	116.00	116.00	0.25	29.00
1004	3	Helper	1	Day	90.00	90.00	0.75	67.50
		Total(A3)						161.00
		(A1+A2+A3)						179.13
	A4	Overhead charges 10% on (A1+A2+A3)						17.91
		Total(A1+A2+A3+A4)						197.04
		Rate per Meter						19.70
							or say Rs	20.00

P/F of Testing Joint (Copper)

Providing and fixing of testing joint, made of 20 mm x 3 mm thick Copper strip, 125 long with 4 nos of G.I. bolts, check nuts and spring washer etc complete as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for one each								
	A1	Materials						
1816	1	20 mm x 3 mm (0.533 Kg/ mtr) copper tape	1	Kg	390.00	390.00	0.066	25.74
1828	2	10 mm x 25 mm long G.I. bolt with nut etc	1	No	10.00	10.00	4	40.00
		Total (A1)						
								65.74
	A2	Cartage 1% of A						0.66
		Wastage 1% of A						0.66
		Hire charges for T&P 1% of A						0.66
		Total (A2)						1.97
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.025	3.23
1004	2	Helper	1	Day	90.00	90.00	0.025	2.25
		Total(A3)						5.48
		(A1+A2+A3)						73.19
		(A4)Overhead charges 10% on (A1+A2+A3)						7.32
		Total(A1+A2+A3+A4)						80.51
								or say Rs 81.00

250

4.12

P/F of Testing Joint (G.I.)

Providing and fixing of testing joint, made of 20 mm x 3 mm thick G.I. strip, 125 long with 4 nos of G.I. bolts, check nuts and spring washer etc complete as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for one each								
	A1	Materials						
1818	1	20 mm x 3 mm (0.461 Kg/ mtr) G.I. tape	1	Kg	48.00	48.00	0.057	2.74
1828	2	10 mm x 25 mm long G.I. bolt ith nut etc	1	No	10.00	10.00	4	40.00
		Total (A1)						42.74
	A2	Cartage 1% of A						0.43
		Wastage 1% of A						0.43
		Hire charges for T&P 1% of A						0.43
		Total (A2)						1.28
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.025	3.23
1004	2	Helper	1	Day	90.00	90.00	0.025	2.25
		Total(A3)						5.48
		(A1+A2+A3)						49.49
		(A4)Overhead charges 10% on (A1+A2+A3)						4.95
		Total(A1+A2+A3+A4)						54.44
							or say Rs	54.00

251

4.13

P/L copper earth tape for lightning conductor

Providing and laying of copper tape 32 mm x 6 mm from earth electrode directly in ground as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meters								
	A1	Materials						
1817	1	32 mm x 6 mm (1.705 Kg/ mtr) copper tape	1	Kg	390.00	390.00	17.05	6,649.50
1826	2	Excavation	1	Cum	52.00	52.00	0.9	46.80
		Total (A1)						6,696.30
	A2	Cartage 1% of A						66.96
		Wastage 1% of A						66.96
		Hire charges for T&P 1% of A						66.96
		Total (A2)						200.89
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.165	21.29
1004	2	Helper	1	Day	90.00	90.00	0.165	14.85
		Total(A3)						36.14
		(A1+A2+A3)						6,933.32
	A4	Overhead charges 10% on (A1+A2+A3)						693.33
		Total(A1+A2+A3+A4)						7,626.66
		Rate per Meter						762.67
							or say Rs	763.00

4.14

P/L G.I. earth tape for lightning conductor

Providing and laying of G.I. tape 32 mm x 6 mm from earth electrode directly in ground as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meters								
	A1	Materials						
1819	1	32 mm x 6 mm (1.475 Kg/ mtr) G.I. tape	1	Kg	48.00	48.00	14.75	708.00
1826	2	Excavation	1	Cum	52.00	52.00	0.9	46.80
		Total (A1)						754.80
	A2	Cartage 1% of A						7.55
		Wastage 1% of A						7.55
		Hire charges for T&P 1% of A						7.55
		Total (A2)						22.64
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.165	21.29
1004	2	Helper	1	Day	90.00	90.00	0.165	14.85
		Total(A3)						36.14
		(A1+A2+A3)						813.58
	A4	Overhead charges 10% on (A1+A2+A3)						81.36
		Total(A1+A2+A3+A4)						894.94
		Rate per Meter						89.49
							or say Rs	89.00

4.15

Laying of copper / G.I. earth tape for lightning conductor in ground

Laying of copper / G.I. tape 32 mm x 6 mm from earth electrode directly in ground as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate/Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 10 meters								

A3 Labour charges

1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.165	21.29
1004	2	Helper	1	Day	90.00	90.00	0.165	14.85

Total(A3) 36.14

A4 T & P Charges @ 2% of (A3 +A4) 0.72

A5 Overhead charges 10% on (A3+A4) 3.69

1826	A6	Excavation	1	Cum	52.00	52.00	0.9	46.80
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Total(A3+A4+A5+A6) 82.94

Rate per Meter 8.29

or say Rs 8.00

5.0- CABLE LAYING

5.1 LV / MV CABLE TRENCHING AND LAYING WITH SAND AND PROTECTIVE COVERING

5.1.1 MV cable laying up to 25 sq.mm in ground

Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size not exceeding 25 sq.mm direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 Mtr								
	A1	Materials						
2301	1	2 nd class K.B. bricks (25cm x 12cm x 8cm.)	1,000	No	2,500.00	2.50	438	1,095.00
2302	2	Sand	1	Cum	163.00	163.00	4.38	713.94
1826	3	Excavation of earth including refilling as required	1	Cum	52.00	52.00	13.13	682.76
		Total (A1)						2,491.70
	A2	Cartage 1% of A1						24.92
		Wastage 1% of A1						24.92
		Hire charges for T&P 1% of A1						24.92
		Total (A2)						74.75
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	8	720.00
		Total(A3)						849.00
		(A1+A2+A3)						3,415.45
	A4	Overhead charges 10% on (A1+A2+A3)						341.55
		Total(A1+A2+A3+A4)						3,757.00
		Rate per Meter						75.14

or say **75.00**
Rs

255

5.1.2

MV cable laying from 25 sq.mm to 120 sq.mm in ground

Laying of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size exceeding 25 sq.mm but not exceeding 120 sq.mm direct in ground including excavation , sand cushioning, protective covering and refilling the trench etc. as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 Mtr								
	A1	Materials						
2301	1	2 nd class K.B. bricks (25cm x 12cm x 8cm.)	1,000	No	2,500.00	2.50	438	1,095.00
2302	2	Sand	1	Cum	163.00	163.00	4.38	713.94
1826	3	Excavation of earth	1	Cum	52.00	52.00	13.13	682.76
		Total (A1)						2,491.70
	A2	Cartage 1% of A						24.92
		Wastage 1% of A						24.92
		Hire charges for T&P 1% of A						24.92
		Total (A2)						74.75
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	10	900.00
		Total(A3)						1,029.00
		(A1+A2+A3)						3,595.45
	A4	Overhead charges 10% on (A1+A2+A3)						359.55
		Total(A1+A2+A3+A4)						3,955.00
		Rate per Meter						79.10

or say **79.00**
Rs

256

5.1.3 **MV cable laying from 120 sq.mm to 400 sq.mm in ground**

Laying of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size exceeding 120 sq.mm but not exceeding 400 sq.mm direct in ground including excavation , sand cushioning, protective covering and refilling the trench etc. as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 Mtr						
	A1	Materials						
2301	1	2 nd class K.B. bricks (25cm x 12cm x 8cm.)	1,000	No	2,500.00	2.50	438	1,095.00
2302	2	Sand	1	Cum	163.00	163.00	4.38	713.94
1826	3	Excavation of earth	1	Cum	52.00	52.00	13.13	682.76
		Total (A1)						2,491.70
	A2	Cartage 1% of A						24.92
		Wastage 1% of A						24.92
		Hire charges for T&P 1% of A						24.92
		Total (A2)						74.75
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	12	1,080.00
		Total(A3)						1,209.00
		(A1+A2+A3)						3,775.45
	A4	Overhead charges 10% on (A1+A2+A3)						377.55
		Total(A1+A2+A3+A4)						4,153.00
		Rate per Meter						83.06

or say **83.00**
Rs

257

5.2 **LALYING OF CABLE IN SAME TRENCH IN ONE TIRER**

5.2.1 **MV cable laying up to 25 sq.mm in ground**

Laying of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size not exceeding 25 sq.mm direct in ground in the same trench in one tier horizontal formation including excavation , sand cushioning protective covering and refilling the trench etc. as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 Mtr								
	A1	Materials						
2301	1	2 nd class K.B. bricks (25cm x 12cm x 8cm.)	1,000	No	2,500.00	2.50	438	1,095.00
2302	2	Sand	1	Cum	163.00	163.00	2.5	407.50
1826	3	Excavation of earth including refilling as required	1	Cum	52.00	52.00	7.5	390.00
		Total (A1)						1,892.50
	A2	Cartage 1% of A1						18.93
		Wastage 1% of A1						18.93
		Hire charges for T&P 1% of A1						18.93
		Total (A2)						56.78
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	4	360.00
		Total(A3)						489.00
		(A1+A2+A3)						2,438.28
	A4	Overhead charges 10% on (A1+A2+A3)						243.83
		Total(A1+A2+A3+A4)						2,682.10
		Rate per Meter						53.64

or say **54.00**
Rs

258

5.2.2

MV cable laying from 25 sq.mm to 120 sq.mm in ground

Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size exceeding 25 sq.mm but not exceeding 120 sq.mm direct in ground in the same trench in one tier horizontal formation including excavation , sand cushioning protective covering and refilling the trench etc. as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 Mtr						
	A1	Materials						
2301	1	2 nd class K.B. bricks (25cm x 12cm x 8cm.)	1,000	No	2,500.00	2.50	438	1,095.00
2302	2	Sand	1	Cum	163.00	163.00	4.38	713.94
1826	3	Excavation of earth	1	Cum	52.00	52.00	13.13	682.76
		Total (A1)						2,491.70
	A2	Cartage 1% of A						24.92
		Wastage 1% of A						24.92
		Hire charges for T&P 1% of A						24.92
		Total (A2)						74.75
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	5	450.00
		Total(A3)						579.00
		(A1+A2+A3)						3,145.45
	A4	Overhead charges 10% on (A1+A2+A3)						314.55
		Total(A1+A2+A3+A4)						3,460.00
		Rate per Meter						69.20

or say **69.00**
Rs

259

5.2.3

MV cable laying from 120 sq.mm to 400 sq.mm in ground

Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size exceeding 120 sq.mm but not exceeding 400 sq.mm direct in ground in the same trench in one tier horizontal formation including excavation , sand cushioning protective covering and refilling the trench etc. as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
		Cost for 50 Mtr						
	A1	Materials						
2301	1	2 nd class K.B. bricks (25cm x 12cm x 8cm.)	1,000	No	2,500.00	2.50	438	1,095.00
2302	2	Sand	1	Cum	163.00	163.00	4.38	713.94
1826	3	Excavation of earth	1	Cum	52.00	52.00	13.13	682.76
		Total (A1)						2,491.70
	A2	Cartage 1% of A						24.92
		Wastage 1% of A						24.92
		Hire charges for T&P 1% of A						24.92
		Total (A2)						74.75
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	6	540.00
		Total(A3)						669.00
		(A1+A2+A3)						3,235.45
	A4	Overhead charges 10% on (A1+A2+A3)						323.55
		Total(A1+A2+A3+A4)						3,559.00
		Rate per Meter						71.18

or say
Rs 71.00

260

5.3 **LALYING OF CABLE IN EXISTING PIPE**

5.3.1 **MV cable laying up to 25 sq.mm in ground**

Laying of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size not exceeding 25 sq.mm direct in ground in the existing RCC/HUME/STONEWARE/METAL pipe as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9

Cost for 50 Mtr

A1 Materials

Total (A1)

A2 Lump sum items

Total (A2)

A3 Labour charges

1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
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1004	2	Helper	1	Day	90.00	90.00	4	360.00
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Total(A3)								489.00
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(A1+A2+A3)								489.00
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A4		Overhead charges 10% on (A1+A2+A3)						48.90
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Total(A1+A2+A3+A4)								537.90
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Rate per Meter								10.76
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or say
Rs 11.00

Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size exceeding 25 sq.mm but not exceeding 400 sq.mm in the existing RCC/HUME/STONEWARE/METAL pipe as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 Mtr								
	A1	Materials						
		Total (A1)						
	A2	Lump sum items						
		Total (A2)						
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	6	540.00
		Total(A3)						669.00
		(A1+A2+A3)						669.00
	A4	Overhead charges 10% on (A1+A2+A3)						66.90
		Total(A1+A2+A3+A4)						735.90
		Rate per Meter						14.72

5.4 **LALYING OF CABLE IN EXISTING MASONRY DUCT**

5.4.1 **MV cable laying up to 25 sq.mm in ground**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 Mtr								
	A1	Materials						
		Total (A1)						
	A2	Lump sum items						
		Total (A2)						
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	3	270.00
		Total(A3)						399.00
		(A1+A2+A3)						399.00
	A4	Overhead charges 10% on (A1+A2+A3)						39.90
		Total(A1+A2+A3+A4)						438.90
		Rate per Meter						8.78

or say 9.00
Rs

263

5.4.2 **MV cable laying from 25 sq.mm to 400 Sq.mm existing masonry duct in ground**

Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size exceeding 25 sq.mm but not exceeding 400 sq.mm in the existing masonry open duct as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9

Cost for 50 Mtr

A1 Materials

Total (A1)

A2 Lump sum items

Total (A2)

A3 Labour charges

1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
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1004	2	Helper	1	Day	90.00	90.00	4.5	405.00
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Total(A3)								534.00
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(A1+A2+A3)								534.00
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A4	Overhead charges 10% on (A1+A2+A3)							53.40
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Total(A1+A2+A3+A4)								587.40
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Rate per Meter								11.75
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or say 12.00
Rs

5.5

LALYING OF CABLE ON SURFACE

5.5.1

MV cable laying up to 25 sq.mm on surface

Laying and fixing of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size not exceeding 25 sq.mm on surface as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 Mtr						
	A1	Materials						
2315	1	G.I.Saddle	100	No	300.00	3.00	113	339.00
2304	2	Iron screw 45 mm x 6mm	100	No	50.00	0.50	226	113.00
2303	3	Wooden bits / batten	100	No	100.00	1.00	226	226.00
		Total (A1)						678.00
	A2	Cartage 1% of A						6.78
		Wastage 1% of A						6.78
		Phil/Rawl plug, cement, sand etc @ 20% of (2) of A1						22.60
		Total (A2)						36.16
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1	116.00
1004	2	Helper	1	Day	90.00	90.00	6	540.00
		Total(A3)						785.00
		(A1+A2+A3)						1,499.16
	A4	Overhead charges 10% on (A1+A2+A3)						149.92
		Total(A1+A2+A3+A4)						1,649.08
		Rate per Meter						32.98

or say **33.00**
Rs

265

5.5.2 **MV cable laying exccding 25 sq.mm and up to 120 sq.mm on surface**

Laying and fixing of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size exceeding 25 sq.mm but not exceeding 120 sq.mm on surface as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 Mtr								
	A1	Materials						
2305	1	40 mm x 3 mm flat Iron	1	Kg	41.00	41.00	10.2	418.20
2311	2	16 mm x 40mm bolts & nuts with washer	100	No	800.00	8.00	170	1,360.00
		Total (A1)						
								1,778.20
	A2	Cartage 1% of A						17.78
		Wastage 1% of A						17.78
		Phil/Rawl plug, cement, sand etc @ 20% of (2) of A1						272.00
		Total (A2)						307.56
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.5	174.00
1004	3	Helper	1	Day	90.00	90.00	7	630.00
1002	4	Fitter	1	Day	116.00	116.00	0.5	58.00
1002	5	Blacksmith	1	Day	116.00	116.00	0.5	58.00
		Total(A3)						1,049.00
		(A1+A2+A3)						3,134.76
	A4	Overhead charges 10% on (A1+A2+A3)						313.48
		Total(A1+A2+A3+A4)						3,448.24
		Rate per Meter						68.96

or say **69.00**
Rs

266

5.5.3 **MV cable laying exccding 120 sq.mm and up to 400 sq.mm on surface**

Laying and fixing of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size exceeding 125 sq.mm but not exceeding 400 sq.mm on surface as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 Mtr						
	A1	Materials						
2306	1	50 mm x 6 mm flat Iron	1	Kg	41.00	41.00	13.24	542.84
2311	2	16 mm x 40mm bolts & nuts with washer	100	No	800.00	8.00	170	1,360.00
		Total (A1)						1,902.84
	A2	Cartage 1% of A						19.03
		Wastage 1% of A						19.03
		Phil/Rawl plug, cement, sand etc @ 20% of (2) of A1						272.00
		Total (A2)						310.06
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1002	2	Mason, Grade-II	1	Day	116.00	116.00	1.5	174.00
1004	3	Helper	1	Day	90.00	90.00	7	630.00
1002	4	Fitter	1	Day	116.00	116.00	0.5	58.00
1002	5	Blacksmith	1	Day	116.00	116.00	0.5	58.00
		Total(A3)						1,049.00
		(A1+A2+A3)						3,261.90
	A4	Overhead charges 10% on (A1+A2+A3)						326.19
		Total(A1+A2+A3+A4)						3,588.09
		Rate per Meter						71.76

or say **72.00**
Rs

267

5.6 **LAYING OF CABLE IN GROUND WITH OUT CUSHNING & PROTECTIVE COVERING**

5.6.1 **MV cable laying up to 25 sq.mm in ground with out sand and cover**

Laying and fixing of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size not exceeding 25 sq.mm direct in ground including excavation , filling the trench etc. as required but excluding and cushioning , protective covering.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 Mtr						
	A1	Materials						
1826	1	Excavation of earth incuding refilling as required	1	Cum	52.00	52.00	13.13	682.76
		Total (A1)						682.76
	A2	Hire charges for T&P 1% of A						6.83
		Total (A2)						6.83
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	7	630.00
		Total(A3)						759.00
		(A1+A2+A3)						1,448.59
	A4	Overhead charges 10% on (A1+A2+A3)						144.86
		Total(A1+A2+A3+A4)						1,593.45
		Rate per Meter						31.87

or say **32.00**
Rs

5.6.2 **MV cable laying from 25 sq.mm to 125 sq.mm in ground with out sand and cover**

Laying and fixing of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size exceeding 25 sq.mm but not exceeding 120 sq.mm direct in ground including excavation , filling the trench etc. as required but excluding cushioning , protective covering.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 Mtr						
	A1	Materials						
1826	1	Excavation of earth including refilling as required	1	Cum	52.00	52.00	13.13	682.76
		Total (A1)						682.76
	A2	Hire charges for T&P 1% of A						6.83
		Total (A2)						6.83
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	9	810.00
		Total(A3)						939.00
		(A1+A2+A3)						1,628.59
	A4	Overhead charges 10% on (A1+A2+A3)						162.86
		Total(A1+A2+A3+A4)						1,791.45
		Rate per Meter						35.83
							or say Rs	36.00

5.6.3 **MV cable laying from 120 sq.mm to 400 sq.mm in ground with out sand and cover**

Laying and fixing of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size exceeding 120sq.mm but not exceeding 400 sq.mm direct in ground including excavation , filling the trench etc. as required but excluding and cushioning , protective covering.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 Mtr						
	A1	Materials						
1826	1	Excavation of earth including refilling as required	1	Cum	52.00	52.00	13.13	682.76
		Total (A1)						682.76
	A2	Hire charges for T&P 1% of A						6.83
		Total (A2)						6.83
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	11	990.00
		Total(A3)						1,119.00
		(A1+A2+A3)						1,808.59
	A4	Overhead charges 10% on (A1+A2+A3)						180.86
		Total(A1+A2+A3+A4)						1,989.45
		Rate per Meter						39.79
							or say Rs	40.00

270

5.7 LAYING OF CABLE IN SAME TRENCH IN ONE TIRER BUT WITHOUT PROTECTIVE COVERING AND CUSHNING

5.7.1 MV cable laying up to 25 sq.mm in ground with out sand and cover

Laying and fixing of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size not exceeding 25 sq.mm direct in ground in the same trench in one tier horizontal formation including excavation , filling the trench etc. as required but excluding and cushioning , protective covering.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for 50 Mtr						
	A1	Materials						
1826	1	Excavation of earth incuding refilling as required	1	Cum	52.00	52.00	7.5	390.00
		Total (A1)						390.00
	A2	Hire charges for T&P 1% of A						3.90
		Total (A2)						3.90
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	3	270.00
		Total(A3)						399.00
		(A1+A2+A3)						792.90
	A4	Overhead charges 10% on (A1+A2+A3)						79.29
		Total(A1+A2+A3+A4)						872.19
		Rate per Meter						17.44
							or say Rs	17.00

[illegible]

Cost for 50 Mtr									
	A1	Materials							
1826	1	Excavation of earth including refilling as required	1	Cum	52.00	52.00	7.5	390.00	
		Total (A1)						390.00	
	A2	Hire charges for T&P 1% of A						3.90	
		Total (A2)						3.90	
	A3	Labour charges							
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00	
1004	2	Helper	1	Day	90.00	90.00	4	360.00	
		Total(A3)						489.00	
		(A1+A2+A3)						882.90	
	A4	Overhead charges 10% on (A1+A2+A3)						88.29	
		Total(A1+A2+A3+A4)						971.19	
		Rate per Meter						19.42	
								or say Rs 19.00	

5.7.3 **MV cable laying from 120 sq.mm to 400 sq.mm in ground with out sand and cover**

Laying and fixing of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size exceeding 120sq.mm but not exceeding 400 sq.mm direct in ground in the same trench in one tier horizontal formation including excavation , filling the trench etc. as required but excluding and cushioning , protective covering.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 50 Mtr								
	A1	Materials						
1826	1	Excavation of earth including refilling as required	1	Cum	52.00	52.00	7.5	390.00
		Total (A1)						390.00
	A2	Hire charges for T&P 1% of A						3.90
		Total (A2)						3.90
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	1	129.00
1004	2	Helper	1	Day	90.00	90.00	5	450.00
		Total(A3)						579.00
		(A1+A2+A3)						972.90
	A4	Overhead charges 10% on (A1+A2+A3)						97.29
		Total(A1+A2+A3+A4)						1,070.19
		Rate per Meter						21.40
								or say Rs 21.00

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.1**2 x 6 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for I set						
	A1	Materials						
2101	1	Brass compression gland for 2 x 6 sq.mm 1.1 KV grade cable.	1	Set	28.00	28.00	1	28.00
2201	2	Aluminum lugs for 6 sq.mm cable with nuts and bolts	1	Each	1.50	1.50	4	6.00
		Total (A1)						34.00
	A2	Cartage 1% of A						0.34
		Hire charges for T&P 1% of A						0.34
		Total (A2)						0.68
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
		Total(A3)						26.28
		(A1+A2+A3)						60.96
	A4	Overhead charges 10% on (A1+A2+A3)						6.10
		Total(A1+A2+A3+A4)						67.06

or say 76.00
Rs

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2102	1	Brass compression gland for 2 x 10 sq.mm 1.1 KV grade cable.	1	Set	34.00	34.00	1	34.00
2202	2	Aluminum lugs for 10 sq.mm cable with nuts and bolts	1	Each	2.00	2.00	4	8.00
	Total (A1)							42.00
	A2	Cartage 1% of A						
		Hire charges for T&P 1% of A						0.42
	Total (A2)							0.84
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
	Total(A3)							26.28
	(A1+A2+A3)							69.12
	A4	Overhead charges 10% on (A1+A2+A3)						
	Total(A1+A2+A3+A4)							76.03

or say **76.00**
Rs

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.3**2 x 16 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2103	1	Brass compression gland for 2 x 16 sq.mm 1.1 KV grade cable.	1	Set	58.00	58.00	1	58.00
2203	2	Aluminum lugs for 16 sq.mm cable with nuts and bolts	1	Each	2.00	2.00	4	8.00
		Total (A1)						
								66.00
	A2	Cartage 1% of A						
								0.66
		Hire charges for T&P 1% of A						0.66
		Total (A2)						1.32
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
		Total(A3)						26.28
		(A1+A2+A3)						93.60
	A4	Overhead charges 10% on (A1+A2+A3)						9.36
		Total(A1+A2+A3+A4)						102.96
								or say Rs 103.00

5.8

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.4**2 x 25 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for I set						
	A1	Materials						
2104	1	Brass compression gland for 2 x 25 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00
2204	2	Aluminum lugs for 25 sq.mm cable with nuts and bolts	1	Each	3.00	3.00	4	12.00
		Total (A1)						87.00
	A2	Cartage 1% of A						0.87
		Hire charges for T&P 1% of A						0.87
		Total (A2)						1.74
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
		Total(A3)						26.28
		(A1+A2+A3)						115.02
	A4	Overhead charges 10% on (A1+A2+A3)						11.50
		Total(A1+A2+A3+A4)						126.52
							or say Rs	127.00

5.8

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.5**2 x 35 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2105	1	Brass compression gland for 2 x 35 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00
2205	2	Aluminum lugs for 35 sq.mm cable with nuts and bolts	1	Each	3.50	3.50	4	14.00
		Total (A1)						89.00
	A2	Cartage 1% of A						0.89
		Hire charges for T&P 1% of A						0.89
		Total (A2)						1.78
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
		Total(A3)						26.28
		(A1+A2+A3)						117.06
	A4	Overhead charges 10% on (A1+A2+A3)						11.71
		Total(A1+A2+A3+A4)						128.77
							or say Rs	129.00

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

3 x 10 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2107	1	Brass compression gland for 3 x 10 sq.mm 1.1 KV grade cable.	1	Set	58.00	58.00	1	58.00
2202	2	Aluminum lugs for 10 sq.mm cable with nuts and bolts	1	Each	2.00	2.00	6	12.00
		Total (A1)						70.00
	A2	Cartage 1% of A						0.70
		Hire charges for T&P 1% of A						0.70
		Total (A2)						1.40
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
		Total(A3)						26.28
		(A1+A2+A3)						97.68
	A4	Overhead charges 10% on (A1+A2+A3)						9.77
		Total(A1+A2+A3+A4)						107.45
							or say Rs	107.00

5.8

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.8**3 x 16 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2108	1	Brass compression gland for 3 x 16 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00
2203	2	Aluminum lugs for 16 sq.mm cable with nuts and bolts	1	Each	2.00	2.00	6	12.00
		Total (A1)						
								87.00
	A2	Cartage 1% of A						
								0.87
		Hire charges for T&P 1% of A						0.87
		Total (A2)						1.74
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
		Total(A3)						26.28
		(A1+A2+A3)						115.02
	A4	Overhead charges 10% on (A1+A2+A3)						11.50
		Total(A1+A2+A3+A4)						126.52
								or say Rs 127.00

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.1**3 x 25 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
2109	1	Brass compression gland for 2 x 25 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00
2204	2	Aluminum lugs for 25 sq.mm cable with nuts and bolts	1	Each	3.00	3.00	6	18.00
		Total (A1)						
								93.00
	A2	Cartage 1% of A						
								0.93
		Hire charges for T&P 1% of A						0.93
		Total (A2)						1.86
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
		Total(A3)						26.28
		(A1+A2+A3)						121.14
	A4	Overhead charges 10% on (A1+A2+A3)						12.11
		Total(A1+A2+A3+A4)						133.25

or say 133.00
Rs

5.8 **282**
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.10 3 x 35 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
2110	1	Brass compression gland for 3 x 35 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00
2205	2	Aluminum lugs for 35 sq.mm cable with nuts and bolts	1	Each	3.50	3.50	6	21.00
		Total (A1)						96.00
	A2	Cartage 1% of A						0.96
		Hire charges for T&P 1% of A						0.96
		Total (A2)						1.92
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
		Total(A3)						26.28
		(A1+A2+A3)						124.20
	A4	Overhead charges 10% on (A1+A2+A3)						12.42
		Total(A1+A2+A3+A4)						136.62

or say 137.00
Rs

5.8 **283**
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.11 3 x 50 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for l set								
	A1	Materials						
2111	1	Brass compression gland for 3 x 50 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00
2206	2	Aluminum lugs for 50 sq.mm cable with nuts and bolts	1	Each	5.50	5.50	6	33.00
		Total (A1)						
								108.00
	A2	Cartage 1% of A						
								1.08
		Hire charges for T&P 1% of A						1.08
		Total (A2)						2.16
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
		Total(A3)						26.28
		(A1+A2+A3)						136.44
	A4	Overhead charges 10% on (A1+A2+A3)						13.64
		Total(A1+A2+A3+A4)						150.08

or say **150.00**
Rs

284

5.8

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.12

3 x 70 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for I set						
	A1	Materials						
2112	1	Brass compression gland for 3 x 70 sq.mm 1.1 KV grade cable.	1	Set	111.00	111.00	1	111.00
2207	2	Aluminum lugs for 70 sq.mm cable with nuts and bolts	1	Each	8.00	8.00	6	48.00
		Total (A1)						159.00
	A2	Cartage 1% of A						1.59
		Hire charges for T&P 1% of A						1.59
		Total (A2)						3.18
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.16	20.64
1004	2	Helper	1	Day	90.00	90.00	0.16	14.40
		Total(A3)						35.04
		(A1+A2+A3)						197.22
	A4	Overhead charges 10% on (A1+A2+A3)						19.72
		Total(A1+A2+A3+A4)						216.94

or say 217.00
Rs

5.8 **285**
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.13 3 x 95 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for l set								
	A1	Materials						
2113	1	Brass compression gland for 3 x 95 sq.mm 1.1 KV grade cable.	1	Set	111.00	111.00	1	111.00
2208	2	Aluminum lugs for 95 sq.mm cable with nuts and bolts	1	Each	9.00	9.00	6	54.00
		Total (A1)						
								165.00
	A2	Cartage 1% of A						
								1.65
		Hire charges for T&P 1% of A						1.65
		Total (A2)						3.30
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.16	20.64
1004	2	Helper	1	Day	90.00	90.00	0.16	14.40
		Total(A3)						35.04
		(A1+A2+A3)						203.34
	A4	Overhead charges 10% on (A1+A2+A3)						20.33
		Total(A1+A2+A3+A4)						223.67

or say **224.00**
Rs

286

5.8

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.14

3 x 120 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for I set						
	A1	Materials						
2114	1	Brass compression gland for 3 x 120 sq.mm 1.1 KV grade cable.	1	Set	142.00	142.00	1	142.00
2209	2	Aluminum lugs for 120 sq.mm cable with nuts and bolts	1	Each	12.00	12.00	6	72.00
		Total (A1)						214.00
	A2	Cartage 1% of A						2.14
		Hire charges for T&P 1% of A						2.14
		Total (A2)						4.28
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						273.03
	A4	Overhead charges 10% on (A1+A2+A3)						27.30
		Total(A1+A2+A3+A4)						300.33

or say 300.00
Rs

5.8 **287**
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.15 3 x 150 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2115	1	Brass compression gland for 3 x 150 sq.mm 1.1 KV grade cable.	1	Set	188.00	188.00	1	188.00
2210	2	Aluminum lugs for 150 sq.mm cable with nuts and bolts	1	Each	16.00	16.00	6	96.00
		Total (A1)						
								284.00
	A2	Cartage 1% of A						
								2.84
		Hire charges for T&P 1% of A						2.84
		Total (A2)						5.68
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						344.43
	A4	Overhead charges 10% on (A1+A2+A3)						34.44
		Total(A1+A2+A3+A4)						378.87

or say **379.00**
Rs

5.8 **288**
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.16		3 x 185 sq.mm							
Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.	
1	2	3	4	5	6	7	8	9	
Cost for I set									
	A1	Materials							
2116	1	Brass compression gland for 3 x 185 sq.mm 1.1 KV grade cable.	1	Set	188.00	188.00	1	188.00	
2211	2	Aluminum lugs for 185 sq.mm cable with nuts and bolts	1	Each	20.00	20.00	6	120.00	
		Total (A1)							308.00
	A2	Cartage 1% of A							3.08
		Hire charges for T&P 1% of A							3.08
		Total (A2)							6.16
	A3	Labour charges							
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25	
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50	
		Total(A3)							54.75
		(A1+A2+A3)							368.91
	A4	Overhead charges 10% on (A1+A2+A3)							36.89
		Total(A1+A2+A3+A4)							405.80

or say **406.00**
Rs

5.8 **289**
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.17 3 x 225 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for 1 set								
	A1	Materials						
2117	1	Brass compression gland for 3 x 225 sq.mm 1.1 KV grade cable.	1	Set	226.00	226.00	1	226.00
2212	2	Aluminum lugs for 225 sq.mm cable with nuts and bolts	1	Each	28.00	28.00	6	168.00
		Total (A1)						
								394.00
	A2	Cartage 1% of A						3.94
		Hire charges for T&P 1% of A						3.94
		Total (A2)						7.88
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						456.63
	A4	Overhead charges 10% on (A1+A2+A3)						45.66
		Total(A1+A2+A3+A4)						502.29

or say **502.00**
Rs

5.8 **290**
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.18 3 x 240 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for I set						
	A1	Materials						
2118	1	Brass compression gland for 3 x 240 sq.mm 1.1 KV grade cable.	1	Set	265.00	265.00	1	265.00
2213	2	Aluminum lugs for 240 sq.mm cable with nuts and bolts	1	Each	34.00	34.00	6	204.00
		Total (A1)						469.00
	A2	Cartage 1% of A						4.69
		Hire charges for T&P 1% of A						4.69
		Total (A2)						9.38
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						533.13
	A4	Overhead charges 10% on (A1+A2+A3)						53.31
		Total(A1+A2+A3+A4)						586.44

or say **586.00**
Rs

291

5.8

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.19

3 x 300 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for I set						
	A1	Materials						
2119	1	Brass compression gland for 3 x 300 sq.mm 1.1 KV grade cable.	1	Set	265.00	265.00	1	265.00
2214	2	Aluminum lugs for 300 sq.mm cable with nuts and bolts	1	Each	48.00	48.00	6	288.00
		Total (A1)						553.00
	A2	Cartage 1% of A						5.53
		Hire charges for T&P 1% of A						5.53
		Total (A2)						11.06
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						618.81
	A4	Overhead charges 10% on (A1+A2+A3)						61.88
		Total(A1+A2+A3+A4)						680.69

or say 681.00
Rs

292

5.8

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.20

3 ½ x 25 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for l set								
	A1	Materials						
2120	1	Brass compression gland for 3 ½ x 25 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00
2204	2	Aluminum lugs for 25 sq.mm cable with nuts and bolts	1	Each	3.00	3.00	8	24.00
		Total (A1)						
								99.00
	A2	Cartage 1% of A						
								0.99
		Hire charges for T&P 1% of A						0.99
		Total (A2)						1.98
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						155.73
	A4	Overhead charges 10% on (A1+A2+A3)						15.57
		Total(A1+A2+A3+A4)						171.30

or say 171.00
Rs

293

5.8

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.21

3 ½ x 35 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for I set						
	A1	Materials						
2121	1	Brass compression gland for 3 ½ x 35 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00
2205	2	Aluminum lugs for 35 sq.mm cable with nuts and bolts	1	Each	3.50	3.50	8	28.00
		Total (A1)						103.00
	A2	Cartage 1% of A						1.03
		Hire charges for T&P 1% of A						1.03
		Total (A2)						2.06
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						159.81
	A4	Overhead charges 10% on (A1+A2+A3)						15.98
		Total(A1+A2+A3+A4)						175.79

or say 176.00
Rs

294

5.8

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.22

3 ½ x 50 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2122	1	Brass compression gland for 3 ½ x 50 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00
2206	2	Aluminum lugs for 50 sq.mm cable with nuts and bolts	1	Each	5.50	5.50	8	44.00
		Total (A1)						
								119.00
	A2	Cartage 1% of A						
								1.19
		Hire charges for T&P 1% of A						1.19
		Total (A2)						2.38
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						176.13
	A4	Overhead charges 10% on (A1+A2+A3)						17.61
		Total(A1+A2+A3+A4)						193.74

or say **194.00**
Rs

5.8 **295**
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.23 **3 ½ x 70 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2123	1	Brass compression gland for 3 ½ x 70 sq.mm 1.1 KV grade cable.	1	Set	111.00	111.00	1	111.00
2207	2	Aluminum lugs for 70 sq.mm cable with nuts and bolts	1	Each	8.00	8.00	8	64.00
		Total (A1)						
								175.00
	A2	Cartage 1% of A						
								1.75
		Hire charges for T&P 1% of A						1.75
		Total (A2)						3.50
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						233.25
	A4	Overhead charges 10% on (A1+A2+A3)						23.33
		Total(A1+A2+A3+A4)						256.58

or say 257.00
Rs

5.8 **296**
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.24 3 ½ x 95 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for I set						
	A1	Materials						
2124	1	Brass compression gland for 3 ½ x 95 sq.mm 1.1 KV grade cable.	1	Set	111.00	111.00	1	111.00
2208	2	Aluminum lugs for 95 sq.mm cable with nuts and bolts	1	Each	9.00	9.00	8	72.00
		Total (A1)						183.00
	A2	Cartage 1% of A						1.83
		Hire charges for T&P 1% of A						1.83
		Total (A2)						3.66
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						241.41
	A4	Overhead charges 10% on (A1+A2+A3)						24.14
		Total(A1+A2+A3+A4)						265.55

or say **266.00**
Rs

5.8 **297**
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.25 **3 ½ x 120 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2125	1	Brass compression gland for 3 ½ x 120 sq.mm 1.1 KV grade cable.	1	Set	142.00	142.00	1	142.00
2209	2	Aluminum lugs for 120 sq.mm cable with nuts and bolts	1	Each	12.00	12.00	8	96.00
		Total (A1)						238.00
	A2	Cartage 1% of A						2.38
		Hire charges for T&P 1% of A						2.38
		Total (A2)						4.76
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						297.51
	A4	Overhead charges 10% on (A1+A2+A3)						29.75
		Total(A1+A2+A3+A4)						327.26

5.8

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2126	1	Brass compression gland for 3 ½ x 150 sq.mm 1.1 KV grade cable.	1	Set	188.00	188.00	1	188.00
2210	2	Aluminum lugs for 150 sq.mm cable with nuts and bolts	1	Each	16.00	16.00	8	128.00
	Total (A1)							316.00
	A2	Cartage 1% of A						3.16
		Hire charges for T&P 1% of A						3.16
	Total (A2)							6.32
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
	Total(A3)							54.75
	(A1+A2+A3)							377.07
	A4	Overhead charges 10% on (A1+A2+A3)						37.71
	Total(A1+A2+A3+A4)							414.78

or say 415.00
Rs

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

3 ½ x 185 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2127	1	Brass compression gland for 3 ½ x 185 sq.mm 1.1 KV grade cable.	1	Set	223.00	223.00	1	223.00
2210	2	Aluminum lugs for 185 sq.mm cable with nuts and bolts	1	Each	20.00	20.00	8	160.00
		Total (A1)						383.00
	A2	Cartage 1% of A						3.83
		Hire charges for T&P 1% of A						3.83
		Total (A2)						7.66
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						445.41
	A4	Overhead charges 10% on (A1+A2+A3)						44.54
		Total(A1+A2+A3+A4)						489.95
							or say Rs	490.00

5.8

300
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.28**3 ½ x 225 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for I set						
	A1	Materials						
2128	1	Brass compression gland for 3 ½ x 225 sq.mm 1.1 KV grade cable.	1	Set	226.00	226.00	1	226.00
2212	2	Aluminum lugs for 225 sq.mm cable with nuts and bolts	1	Each	28.00	28.00	8	224.00
		Total (A1)						450.00
	A2	Cartage 1% of A						4.50
		Hire charges for T&P 1% of A						4.50
		Total (A2)						9.00
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						513.75
	A4	Overhead charges 10% on (A1+A2+A3)						51.38
		Total(A1+A2+A3+A4)						565.13
							or say Rs	565.00

5.8

301
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.29**3 ½ x 240 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2129	1	Brass compression gland for 3 ½ x 240 sq.mm 1.1 KV grade cable.	1	Set	265.00	265.00	1	265.00
2213	2	Aluminum lugs for 240 sq.mm cable with nuts and bolts	1	Each	34.00	34.00	8	272.00
		Total (A1)						
								537.00
	A2	Cartage 1% of A						
								5.37
		Hire charges for T&P 1% of A						5.37
		Total (A2)						10.74
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						602.49
	A4	Overhead charges 10% on (A1+A2+A3)						60.25
		Total(A1+A2+A3+A4)						662.74
								or say Rs 663.00

5.8

302
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.30**3 ½ x 300 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2130	1	Brass compression gland for 3 ½ x 300 sq.mm 1.1 KV grade cable.	1	Set	265.00	265.00	1	265.00
2214	2	Aluminum lugs for 300 sq.mm cable with nuts and bolts	1	Each	48.00	48.00	8	384.00
		Total (A1)						
								649.00
	A2	Cartage 1% of A						
								6.49
		Hire charges for T&P 1% of A						6.49
		Total (A2)						12.98
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.25	32.25
1004	2	Helper	1	Day	90.00	90.00	0.25	22.50
		Total(A3)						54.75
		(A1+A2+A3)						716.73
	A4	Overhead charges 10% on (A1+A2+A3)						71.67
		Total(A1+A2+A3+A4)						788.40
								or say Rs 788.00

303
S/M of LV / MV cable termination

5.8.31 **4 x 10 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2131	1	Brass compression gland for 4 x 10 sq.mm 1.1 KV grade cable.	1	Set	58.00	58.00	1	58.00
2202	2	Aluminum lugs for 10 sq.mm cable with nuts and bolts	1	Each	2.00	2.00	8	16.00
		Total (A1)						74.00
	A2	Cartage 1% of A						0.74
		Hire charges for T&P 1% of A						0.74
		Total (A2)						1.48
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80
		Total(A3)						26.28
		(A1+A2+A3)						101.76
	A4	Overhead charges 10% on (A1+A2+A3)						10.18
		Total(A1+A2+A3+A4)						111.94
							or say Rs	112.00

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

4 x 16 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.	
1	2	3	4	5	6	7	8	9	
Cost for I set									
	A1	Materials							
2132	1	Brass compression gland for 4 x 16 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00	
2203	2	Aluminum lugs for 16 sq.mm cable with nuts and bolts	1	Each	2.00	2.00	8	16.00	
	Total (A1)							91.00	
	A2	Cartage 1% of A							0.91
		Hire charges for T&P 1% of A							0.91
	Total (A2)							1.82	
	A3	Labour charges							
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.12	15.48	
1004	2	Helper	1	Day	90.00	90.00	0.12	10.80	
	Total(A3)							26.28	
	(A1+A2+A3)							119.10	
	A4	Overhead charges 10% on (A1+A2+A3)							11.91
	Total(A1+A2+A3+A4)							131.01	
								or say Rs	131.00

5.8

305
S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.33

4 x 25 sq.mm

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
<hr/>								
		Cost for I set						
	A1	Materials						
2133	1	Brass compression gland for 4 x 25 sq.mm 1.1 KV grade cable.	1	Set	75.00	75.00	1	75.00
2202	2	Aluminum lugs for 25 sq.mm cable with nuts and bolts	1	Each	3.00	3.00	8	24.00
		Total (A1)						99.00
	A2	Cartage 1% of A						0.99
		Hire charges for T&P 1% of A						0.99
		Total (A2)						1.98
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.16	20.64
1004	2	Helper	1	Day	90.00	90.00	0.16	14.40
		Total(A3)						35.04
		(A1+A2+A3)						136.02
	A4	Overhead charges 10% on (A1+A2+A3)						13.60
		Total(A1+A2+A3+A4)						149.62
							or say Rs	150.00

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.34**4 x 35 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2134	1	Brass compression gland for 4 x 35 sq.mm 1.1 KV grade cable.	1	Set	91.00	91.00	1	91.00
2205	2	Aluminum lugs for 35 sq.mm cable with nuts and bolts	1	Each	3.50	3.50	8	28.00
		Total (A1)						119.00
	A2	Cartage 1% of A						1.19
		Hire charges for T&P 1% of A						1.19
		Total (A2)						2.38
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.16	20.64
1004	2	Helper	1	Day	90.00	90.00	0.16	14.40
		Total(A3)						35.04
		(A1+A2+A3)						156.42
	A4	Overhead charges 10% on (A1+A2+A3)						15.64
		Total(A1+A2+A3+A4)						172.06
							or say Rs	172.00

S/M of LV / MV cable termination

Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.

5.8.35**4 x 50 sq.mm**

Code No	Sl.No.	Description of materials	Qty	Unit	Rate in Rs.	Rate / Unit	Qty	Amount in Rs.
1	2	3	4	5	6	7	8	9
Cost for I set								
	A1	Materials						
2135	1	Brass compression gland for 4 x 50 sq.mm 1.1 KV grade cable.	1	Set	91.00	91.00	1	91.00
2206	2	Aluminum lugs for 50 sq.mm cable with nuts and bolts	1	Each	5.50	5.50	8	44.00
		Total (A1)						
								135.00
	A2	Cartage 1% of A						
								1.35
		Hire charges for T&P 1% of A						1.35
		Total (A2)						2.70
	A3	Labour charges						
1001	1	Wireman, Grade-I	1	Day	129.00	129.00	0.16	20.64
1004	2	Helper	1	Day	90.00	90.00	0.16	14.40
		Total(A3)						35.04
		(A1+A2+A3)						172.74
	A4	Overhead charges 10% on (A1+A2+A3)						17.27
		Total(A1+A2+A3+A4)						190.01
								or say Rs 190.00

