

Confidential



GOVERNMENT OF KERALA

PUBLIC WORKS DEPARTMENT

SCHEDULE OF RATES
(ELECTRICAL)

2008

VOLUME – II

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SCHEDULE OF RATES (ELECTRICAL) – 2008

A. RATES FOR LABOUR

Sl. No	Description	Unit	Rate
1	Black Smith	Each Per day	190.00
2	Blaster or quarryman		155.00
3	Cable Jointer	,,	170.00
4	Cable Jointer mate	,,	130.00
5	Carpenter	,,	190.00
6	Cleaner	,,	155.00
7	Cleaner-Lift irrigation	,,	130.00
8	Driver- Pump driver/Operator	,,	155.00
9	Electrician	,,	170.00
10	Fitter	,,	175.00
11	Hammer man for helping blaster		130.00
12	Hardware Technician (Computer)	,,	190.00
13	Laterite cutter		155.00
14	Lineman	,,	155.00
15	Lineman Assistant	,,	140.00
16	Marble cutter		205.00
17	Mason – Brick or laterite		190.00
18	Mason – Rubble mason		190.00
19	Mazdoor – Man & Woman	,,	140.00
20	Mazdoor - Heavy Load Mazdoor for handling iron materials	,,	155.00
21	Mechanic Grade I	,,	205.00
22	Mechanic Grade II	,,	190.00
23	Motor winder	,,	190.00
24	Operator- Lift irrigation	,,	155.00
25	Operator- Lift	,,	130.00
26	Painter	,,	155.00
27	Plumber/Pipe fitter	,,	190.00
28	Skilled Assistant (Engineering Degree Holder)	,,	300.00
29	Skilled Assistant (Diploma Holder)	,,	240.00
30	Skilled Assistant (ITI holder)	,,	190.00
31	Technician- Electronic machinery	,,	190.00
32	Tile paver	,,	190.00
33	Turner- I	,,	175.00
34	Turner- II		155.00
35	Welder -Gas welding/Arc welding	,,	190.00
36	Wireman	,,	170.00
37	Wireman Assistant	,,	155.00
38	Wireman Helper	,,	130.00
39	Wood cutter	,,	175.00

B. RATES FOR MATERIALS**PART I****WIRES AND CABLES****1. COPPER CONDUCTOR WIRES**

- 1.A. PVC insulated flexible single core cables manufactured with bright annealed bunched electrolytic copper conductor as per IS 8130/1984 Insulated with di-electrical grade PVC compound per as IS 5831/1984 Generally Conforming to IS 694/1990 for working voltage up to and including 1100 V.**

Sl.No.	Nominal area of Conductor in sq. mm	Unit	Rate in Rs.
1	1.0	100 meters	792.00
2	1.5	„	1186.00
3	2.5	„	1876.00
4	4.0	„	2801.00
5	6	„	4385.00
6	10	„	7303.00
7	16	„	11548.00
8	25.0	„	18519.00
9	35.0	„	24426.00
10	50.0	„	35411.00
11	70.0	„	50870.00
12	95.0	„	67057.00
13	120.0	„	84650.00
14	150.0	„	105343.00
15	185.0	„	129318.00
16	240.0	„	180469.00
17	300.0	„	220524.00
18	400.0	„	320822.00

- 1.B. Multi-core PVC Insulated and PVC sheathed Copper conductor round flexible wire manufactured with bright annealed bare copper conductor as per IS 8130/1984 Insulated and sheathed with electrical grade PVC compound as per IS 5831/1984 generally conforming to IS 694/1990 for working voltage up to and including 1100 V.**

Sl. No.	Description		Unit	Rates in Rs.		
	Nominal area in sq. mm	No. and size conductor		2 core	3 core	4 core
1	2	3	4	5	6	7
1	0.5	16/0.20 mm	100 mtr.	1657.00	2007.00	2494.00
2	0.75	24/0.20 mm	„	2015.00	2592.00	3266.00
3	1	32/0.20 mm	„	2393.00	3153.00	4077.00
4	1.5	48/0.20 mm	„	3178.00	4172.00	5505.00
5	2.5	80/0.20 mm	„	4907.00	6742.00	8755.00
6	4	128/0.20 mm (56/0.30 mm)	„	7338.00	10027.00	13087.00
7	6	85/0.30 mm	„	12035.00	15408.00	20291.00
8	10	140/0.30 mm	„	19470.00	25881.00	33886.00

1	2	3	4	5	6	7
9	16	226/0.30 mm	„	30231.00	39685.00	51770.00
10	25	157/0.45 mm	„	59890.00	62756.00	81877.00
11	35	220/0.45 mm	„	80734.00	96826.00	126772.00
12	50	314/0.45 mm	„	125112.00	139888.00	189469.00
13	70	140/0.45 mm	„		152628.00	199524.00
14	95	595/0.45 mm	„		202858.00	262480.00
15	120	755/0.45 mm	„		262526.00	341380.00

1.C. PVC Insulated and sheathed 3 core flat cable for submersible pump motor with annealed plain electrolytic copper conductor as per IS 8130/1984 insulated and sheathed with electrical grade PVC compound as per IS 5831/1984 generally conforming to IS 694/1990.

Sl. No.	Nominal area of conductor sq. mm	No. and nominal diameter of wire in mm	Unit	Rate in Rs.
1	1.5	22/0.30	100 Metre	4585.00
2	2.5	36/0.30	„	6770.00
3	4.0	56/0.30	„	10224.00
4	6.0	85/0.30	„	14981.00
5	10.0	140/0.30	„	24901.00
6	16.0	225/.30	„	39685.00
7	25.0	354/.30	„	65164.00
8	35.0	495/.30	„	92964.00
9	50.0	22/0.30	„	125442.00

1.D. UTP Cables

Sl. No.	Description	Unit	Rate in Rs
1	Cat 5E UTP cable	100 Metre.	1506.00
2	Cat 6 UTP cable	„	2541.00

1.E. TV Co-Axial Cables

Sl. No.	Description	Unit	Rate in Rs
1	RG 59 cable	100 Metre.	1632.00
2	RG 11 cable	„	1917.00
3	RG 6 cable	„	3765.00

1.F. PVC insulated and PVC sheathed copper conductored Telephone pair cables for indoor application (un-armoured) conforming to ITD specifications - 0.50mm dia.

Sl. No.	No. of pairs	Unit	Rate in Rs
1	2	3	4
1	1	100 Metre.	548.00
2	2	„	980.00
3	3	„	1349.00

1	2	3	4
4	4	„	1774.00
5	5	„	2181.00
6	6	„	2624.00
7	8	„	3354.00
8	10	„	4090.00
9	20	„	8140.00
10	50	„	20600.00
11	100	„	41126.00

1.G. Hook up wires (Rate for 100 m) - Rs. 102.00

2. POWER CABLES

2A. PVC / XLPE insulated armoured cables with aluminium conductors for working voltages up to and including 1100V conforming to IS 1554 part I 1988 for PVC and IS 7098 Part I for XLPE

Sl. No.	Area of Cross section in sq. mm.	Unit	Rate in Rs				
			1 core	2 core	3 core	3.5 core	4 core
1	4.0	1000 m		68550.00	75000.00		86850.00
2	6.0	„		77625.00	89100.00		107550.00
3	10.0	„		95025.00	109350.00		115650.00
4	16.0	„	59925.00	106875.00	123675.00		145200.00
5	25.0	„	76950.00	116400.00	155400.00	183600.00	193650.00
6	35.0	„	92775.00	142350.00	190575.00	216150.00	240525.00
7	50.0	„	112725.00	182325.00	247748.00	285750.00	314850.00
8	70.0	„	163650.00	237450.00	323775.00	374175.00	414750.00
9	95.0	„	172950.00	309225.00	426750.00	493500.00	552900.00
10	120.0	„	207675.00	370125.00	518100.00	608850.00	673800.00
11	150.0	„	241200.00	446700.00	628350.00	721050.00	813900.00
12	185.0	„	293025.00	546525.00	765075.00	893625.00	1001925.00
13	240.0	„	364800.00	697500.00	989475.00	1143375.00	1293225.00
14	300.0	„	439125.00	853800.00	1212375.00	1399875.00	1590150.00
15	400.0	„	550950.00	1066500.00	1522875.00	1761075.00	2007975.00
16	500.0	„	686175.00	1331700.00	1921200.00	2219325.00	2560275.00
17	630.0	„	862350.00	1714050.00	2502000.00	2840550.00	3343800.00

2B. PVC insulated single core un-armoured cables with aluminium stranded conductors 660 / 1100 V grade conforming to IS 1554 part I 1988

Sl.No.	Nominal Area in sq. mm	Unit	Rate in Rs.
1	2	3	4
1	16	1000 mtr.	29250.00
2	25	„	42150.00
3	35	„	53775.00
1	2	3	4

4	50	„	71400.00
5	70	„	91800.00
6	95	„	123450.00
7	120	„	153600.00
8	150	„	183675.00
9	185	„	229575.00
10	240	„	294300.00
11	300	„	361500.00
12	400	„	474975.00

2C. PVC / XLPE insulated armoured cables with copper conductors for working voltages up to and including 1100V conforming to IS 1554 part I 1988 for PVC and IS 7098 Part I for XLPE.

Sl. No.	Area of Cross section in sq. mm.	Unit	Rate in Rs			
			2 core	3 core	3.5 core	4 core
1	4.0	100 0m	137600.00	176320.00		220160.00
2	6.0	„	181600.00	238000.00		301200.00
3	10.0	„	273120.00	375840.00		461920.00
4	16.0	„	376880.00	514640.00		674400.00
5	25.0	„		875520.00	1043840.00	1153600.00
6	35.0	„		1189440.00	1365360.00	1569680.00
7	50.0	„		1606000.00	1881520.00	2123920.00
8	70.0	„		2246000.00	2623760.00	2997360.00
9	95.0	„		3117200.00	3632560.00	
10	120.0	„		3911840.00	4644400.00	
11	150.0	„		4814320.00	5552160.00	
12	185.0	„		5986160.00	7009120.00	
13	240.0	„		7880240.00	9051840.00	
14	300.0	„		9747760.00	11335440.00	
15	400.0	„		12538160.00	14512000.00	

2D. 11 KV XLPE CABLE

11KV stranded compact circular aluminium conductor, conductors screened with extruded semi conducting compound XLPE insulated, insulation screened with extruded semi conducting compound in combination with copper tape (0.3 kA for 1 sec.), cores laid up, inner sheath of PVC tape, galvanized steel flat strip armoured, and overall PVC sheathed cable conforming to IS: 7098 part II 1985 with latest amendments.

Sl. No.	Area of Cross section in sq. mm.	Unit	Rate in Rs
			3 core
1	2	3	4
1	35.0	100 m	57150.00
2	50.0	„	64650.00
3	70.0	„	77325.00
1	2	3	4
4	95.0	„	91650.00

5	120.0	„	104475.00
6	150.0	„	118500.00
7	185.0	„	137400.00
8	240.0	„	168900.00
9	300.0	„	194625.00
10	400.0	„	235200.00

3. CONTROL CABLES

PVC / XLPE insulated armoured control cables with copper conductors for working voltages up to and including 1100V conforming to IS 1554 part I 1988 for PVC and IS 7098 Part I for XLPE

Sl. No.	No. of core	Unit	Rate in Rs	
			1.5 sq. mm	2.5 sq. mm
1	2	1000 m	73760.00	97280.00
2	3	„	87680.00	122000.00
3	4	„	106160.00	149280.00
4	5	„	127520.00	178080.00
5	6	„	144800.00	209200.00
6	7	„	156720.00	230000.00
7	8	„	188080.00	273360.00
8	9	„	210000.00	287040.00
9	10	„	227520.00	312720.00
10	12	„	237360.00	364320.00
11	14	„	271760.00	416480.00
12	16	„	305600.00	470400.00
13	19	„	353920.00	547520.00
14	24	„	440480.00	684800.00
15	27	„	487040.00	--
16	30	„	550640.00	840640.00
17	37	„	646000.00	1022640.00
18	44	„	765520.00	1207440.00
19	52	„	890720.00	1409280.00
20	61	„	1031920.00	1638160.00

PART II

CABLE TERMINATIONS & JOINTS

1. Nickel plated single compression brass Cable Glands suitable for armoured P.V.C cables

Sl. No.	Description			Unit	Rate in Rs
	No. of Cores	Cable size in sq. mm	Size of Gland in mm		
1	2/ 3/ 3.5/ 4	1.50	10 (3/8")	Each	18.50
2	„	2.50	12 (1/2")	„	22.50
3	„	2.50	16 (5/8")	„	22.50
4	„	4.00	19 (3/4")	„	28.00
5	„	6.00	22 (7/8")	„	33.50
6	„	10.00	25 (1")	„	42.00
7	„	16.00	28 (1 1/8")	„	65.50
8	„	25.00	32 (1 1/4")	„	72.00
9	„	35.00	35 (1 3/8")	„	98.00
10	„	50.00	38 (1 1/2")	„	118.00
11	„	70.00	40 (1 5/8")	„	131.00
12	„	95 / 120	45 (1 3/4")	„	144.00
13	„	150.00	50 (2")	„	163.00
14	„	185.00	57 (2 1/4")	„	212.00
15	„	240.00	63 (2 1/2")	„	327.00
16	„	300.00	70 (2 3/4")	„	338.00
17	„	3 x 400	75 (3")	„	362.00
18	„	3 1/2 x 400	82 (3 1/4")	„	392.00
19	„	500.00	88 (3 1/2")	„	525.00
20	„	630.00	95 (3 3/4")	„	653.00
21	„	630.00	100 (4")	„	687.00

2. Copper earthing clips for single compression glands

Sl No.	size of cable in sq. mm	Size of earth clip	Unit	Rate
1	4 to 16	60 mm long x 12 mm wide x 1 mm thick	Each	6.30
2	25 to 95	65 mm long x 20 mm wide x 1.20 mm thick	„	13.50

3. CABLE SOCKETS AND TERMINALS FOR SOLDER LESS CRIMPING

3A. Aluminium sockets and terminals

Sl No.	Size of cable in sq. mm.	Unit	Rate in Rs.		
			Tubular	Reducer (Banana)	In-line ferrules
1	2	3	4	5	6
1	2.5	Each	2.00	3.60	1.70
2	4	„	2.00	3.60	1.70

1	2	3	4	5	6
3	6	„	2.20	3.60	1.70
4	10	„	2.30	4.70	1.70
5	16	„	3.00	6.70	2.60
6	25	„	3.60	9.30	3.40
7	35	„	4.70	11.50	4.30
8	50	„	6.80	15.50	6.40
9	70	„	10.50	20.50	10.00
10	95	„	12.00	33.00	10.50
11	120	„	17.00	52.00	15.50
12	150	„	21.00	61.00	18.00
13	185	„	27.00	82.50	24.00
14	240	„	42.50	154.00	38.00
15	300	„	59.50	196.00	55.00
16	400	„	81.00		75.50
17	500	„	132.00		
18	630	„	157.00		

3B. Copper sockets

Sl No.	Size of cable in sq. mm.	Unit	Rate in Rs.			
			Tubular	Reducer (Banana)	In-line ferrules	Pin terminal
1	1.5	Each	--	--	2.80	1.90
2	2.5	„	3.00	9.00	3.60	2.10
3	4	„	6.00	9.00	4.50	3.00
4	6	„	6.50	9.00	5.30	3.00
5	10	„	7.50	12.00	6.50	5.00
6	16	„	10.00	17.00	8.50	6.90
7	25	„	16.00	26.50	15.00	
8	35	„	20.00	36.00	18.00	
9	50	„	28.00	40.00	24.00	
10	70	„	45.00	60.00	40.00	
11	95	„	55.00	89.00	50.00	
12	120	„	60.00	170.00	55.00	
13	150	„	80.00	192.00	70.00	
14	185	„	120.00	208.00	110.00	
15	240	„	180.00	445.00	166.00	
16	300	„	225.00		215.00	
17	400	„	330.00		300.00	

3C. Copper terminals

Sl No.	Size of cable in sq. mm.	Unit	Ring terminal		Fork terminal	
			Bare	Insulated	Bare	Insulated
			Rate Rs.	Rate Rs.	Rate Rs.	Rate Rs.
1	2	3	4	5	6	7
1	1.5	Each	1.50	1.70	1.80	2.00
1	2	3	4	5	6	7

2	2.5	„	2.20	2.40	2.10	2.30
3	4 / 6	„	4.00	4.30	4.00	4.30
4	10	„	4.50	4.90	5.50	5.90
5	16	„	8.50	8.90	9.00	9.40
6	25	„	13.00			
7	35	„	17.00			
8	50	„	30.00			
9	70	„	45.00			
10	95	„	53.00			

4. Copper soldering terminals

Sl No.	Current rating	Bolt size	Unit	Rate Rs.
1	15 A	M 6	Each	3.80
2	30 A	M 6	„	5.80
3	60 A	M 6	„	13.50
4	100 A	M 10	„	27.00
5	150 A	M 13	„	43.00
6	200 A	M 13	„	62.00
7	300 A	M 13	„	130.00
8	400 A	M 16	„	155.00
9	500 A	M 16	„	200.00

5. Straight through joint kit for 1.1 KV PVC/XLPE Cable

Sl No.	Cable size in Sq. mm	Unit	Rate Rs.
1	1 x Up to 70, 2 x Up to 10, 3 x Up to 10, 4 x Up to 6	Each	545.00
2	1 x 95/120, 2 x 16/25/35, 3 x 16/25, 3.5/4 x 10/16	„	707.00
3	1 x 150/185, 2 x 50/70, 3 x 35/50, 3.5/4 x 25/35	„	817.00
4	1 x 225/240, 2 x 95, 3 x 70, 3.5/4 x 50	„	987.00
5	1 x 300, 2 x 120/150, 3 x 95, 3.5/4 x 70	„	1083.00
6	1 x 400/500, 3 x 120/150, 3.5/4 x 95	„	1131.00
7	1 x 630, 3 x 185, 3.5 x 120/150, 4 x 120/150	„	1699.00
8	1 x 800, 3 x 225, 3.5/4 x 185	„	1785.00
9	1 x 1000, 3 x 240, 3.5/4 x 225	„	1889.00
10	3 x 300, 3.5/4 x 240	„	2308.00
11	3 x 400, 3.5/4 x 300	„	2723.00
12	3.5/4 x 400	„	3329.00
13	3.5/4 x 500	„	4480.00
14	3.5/4 x 630	„	5365.00

Note:- Standard kit contains required quantity of cable jointing compound, hardener, plastic mould, adhesive cum solvent, sponge sheet, mould holding clips, earth continuity connection, spacers and PVC (NA) tape.

6. Indoor and outdoor end terminations for 1.1 KV PVC/XLPE cable.

Sl No.	Cable size in Sq. mm	Unit	Rate Rs.
1	2 x 10/16, 3 x 10	Each	338.00
2	2 x 25/35/50, 3 x 16/25/35, 3.5 x 10/16/25, 4 x 10/16/25	„	354.00
3	2 x 70/95, 3 x 50/70, 3.5/4 x 35/50	„	405.00
4	2 x 120/150, 2 x 185/225, 3 x 95/120/150, 3.5 x 70/95/120, 4 x 70/95/120	„	473.00
5	2 x 240/300, 3 x 185/225, 3.5/4 x 150/185	„	692.00
6	2 x 400, 3 x 240/300, 3.5/4 x 225/240/300	„	799.00
7	3 x 400, 3.5/4 x 400/500	„	1042.00
8	3 x 630	„	1575.00

Note:- Standard kit contains required quantity of cable jointing compound, hardener, plastic mould, adhesive cum solvent, epoxy putty, earth continuity connection, spacers and PVC (NA) tape.

7. Push-on end terminations kits (earthed) for 11 KV XLPE cable.

Sl No.	Cable size in Sq. mm	Unit	Rate Rs.	
			Indoor	Out door
1	3 x 25/35	Each	4674.00	6441.00
2	3 x 50/70	„	5006.00	6773.00
3	3 x 95	„	5639.00	7211.00
4	3 x 120/150	„	6157.00	7712.00
5	3 x 185/240	„	6660.00	8227.00
6	3 x 300/400	„	7532.00	9028.00
7	3 x 500	„	9743.00	10181.00
8	1 x 500	„	3375.00	3938.00

Note:

a) Indoor end termination

Standard kit contains stress cum semi conducting pad, sliding core, self bonding insulating tape, boot (with 3 core kit), earth continuity connection, (with 3 core kit), earthing lug (with 1 core kit), adhesive-cum-solvent, PVC (NA) tape, Silicon grease, Aluminium crimping lug, Aluminium oxide cloth, nylon string, copper binding wire, hose clamp and bi-metallic washer

b) Out door end termination

Standard kit contains stress cum semi conducting pad, cap, rain shield, self bonding Insulating tape, sliding case, leakage current collector, protective corrugated hose pipe, boot, earth continuity connection (with 3 cores only) earthing lug (with 1core kit over lay) adhesive cum solvent PVC (NA) tape, Silicon grease, Aluminium crimping lug, Aluminium oxide cloth, nylon string, copper binding wire, hose clamp and bi-metallic washer

8. Tapex straight through joint kit for 11 KV (earthed) screened XLPE cable

Sl No.	Cable size in Sq. mm	Unit	Rate Rs.
1	2	3	4
1	3 x 16/25	Each	7299.00
2	3 x 35	„	7509.00
3	3 x 50	„	7948.00
4	3 x 70	„	8229.00
5	3 x 95	„	8471.00
6	3 x 120	„	9551.00
7	3 x 150	„	9810.00

1	2	3	4
8	3 x 185	„	10238.00
9	3 x 225/240	„	11554.00
10	3 x 300	„	13410.00
11	3 x 400	„	14181.00

9. Kastex indoor and out door end termination kit for 11 KV (earthed) XLPE cable

Sl No.	Cable size in Sq. mm	Unit	Rate Rs.	
			Indoor	Outdoor
1	3 x 16/25/35	Each	2574.00	3307.00
2	3 x 50/70/95	„	2739.00	3773.00
3	3 x 120/150/185	„	2919.00	4456.00
4	3 x 225/240/300	„	3136.00	5441.00
5	3 x 400	„	4425.00	6204.00

10. Cable jointing compound (pack with resin and hardener)

Sl No.	Description and unit	Unit	Rate Rs.
1	Cable jointing compound for HT cables	1200 gm.	439.00
2	Cable jointing compound for HT cables	600 gm.	230.00
3	Cable jointing compound for LT cables	1200 gm.	378.00
4	Cable jointing compound for LT cables	600 gm.	203.00
5	Casting /potting compound	1040 gm	405.00
6	Brushable epoxy compound	1000 gm.	428.00
7	GPFC putty	1000 gm.	388.00

PART III

M.S. BOXES

A. MS boxes made out of 16 gauge CRCA sheet without front cover and painted grey.

Sl. No.	Size of box	Unit	Rate Rs.				
			M.S Box			Phenolic laminated sheet	
			50 mm deep	75 mm deep	100 mm deep	3 mm thick	6 mm thick
1	2	3	4	5	6	7	8
1	75 mm x 75 mm	Each	45.00	57.00	69.00	5.40	
2	100 mm x 100 mm	„	53.00	69.00	85.00	9.60	
3	100 mm x 125 mm	„	62.00	80.00	98.00	12.00	
4	125 mm x 150 mm	„	70.00	91.00	112.00	18.00	
5	125 mm x 200 mm	„	86.00	110.00	136.00	24.00	
6	125 mm x 250 mm	„	102.00	131.00	160.00	30.00	
7	125 mm x 300 mm	„	119.00	152.00	185.00	36.00	
8	150 mm x 150 mm	„	90.00	115.00	140.00	21.50	
9	150 mm x 200 mm	„	110.00	139.00	168.00	29.00	
10	200 mm x 250 mm	„	159.00	196.00	233.00	48.00	
11	200 mm x 300 mm	„	184.00	226.00	268.00	57.50	
1	2	3	4	5	6	7	8

12	250 mm x 300 mm	„	216.00	262.00	308.00	72.00	
13	250 mm x 375 mm	„	257.00	310.00	363.00		240.00
14	250 mm x 500 mm	„	330.00	393.00	456.00		320.00
15	300 mm x 300 mm	„	249.00	300.00	350.00		230.00
16	300 mm x 600 mm	„	445.00	520.00	595.00		461.00
17	375 mm x 375 mm	„	352.00	415.00	478.00		360.00
18	375 mm x 500 mm	„	453.00	528.00	603.00		480.00
19	375 mm x 600 mm	„	530.00	612.00	694.00		576.00
20	500 mm x 600 mm	„	673.00	765.00	857.00		768.00

B. MS boxes with hinged type MS front door made out of 16 gauge CRCA sheet with railway pattern lock and key and painted grey.

Sl. No.	Size of box	Unit	Rate Rs.		
			50 mm depth	75 mm depth	100 mm depth
1	75 mm x 75 mm	Each	72.00	84.00	96.00
2	100 mm x 100 mm	„	89.00	105.00	121.00
3	150 mm x 100 mm	„	115.00	136.00	157.00
4	150 mm x 150 mm	„	148.00	173.00	198.00
5	200 mm x 100 mm	„	140.00	165.00	190.00
6	200 mm x 150 mm	„	181.00	210.00	239.00
7	200 mm x 200 mm	„	226.00	259.00	292.00
8	250 mm x 200 mm	„	265.00	302.00	339.00
9	300 mm x 200 mm	„	307.00	349.00	391.00
10	350 mm x 250 mm	„	422.00	475.00	528.00
11	375 mm x 250 mm	„	438.00	493.00	548.00
12	375 mm x 300 mm	„	512.00	568.00	624.00
13	500 mm x 300 mm	„	681.00	740.00	799.00
14	500 mm x 375 mm	„	792.00	867.00	942.00
15	600 mm x 300 mm	„	772.00	847.00	922.00
16	600 mm x 375 mm	„	932.00	1024.00	1116.00

PART IV

CONDUITS AND ACCESSORIES

1.A. M.S. Conduits and Accessories.

Sl. No.	Description	Unit	Rate Rs.			
			16 mm	20 mm	25 mm	32 mm
1	Mild Steel conduit ISI 16 SWG	100m	2600.00	4780.00	6500.00	7000.00
2	Solid bend	100 Nos	1400.00	2500.00	2700.00	2900.00
3	Inspection bend	„	1400.00	2500.00	2700.00	2900.00
4	Sockets	„		270.00	315.00	382.00
5	Saddle clip	„		165.00	275.00	385.00
6	Junction box 1/ 2 way	„		1080.00	--	--

1.B. Fan Boxes and Ball & sockets.

Sl. No.	Description	Unit	Rate Rs.
1	Fan box with fan clamp (MS)	E	40.00
2	Ball & socket 12 mm	E	22.00
3	Ball & socket 20 mm	E	24.00
4	Ceiling plate (PVC)	E	2.50

2.A. Rigid PVC Conduits as per IS 9537 Part III.

Sl. No.	Description	Unit	Rate Rs.		
			Light	Medium	Heavy
1	Rigid P.V.C Conduit 20 mm	metre	14.50	17.00	22.50
2	„ 25 mm	„	20.50	23.00	30.00
3	„ 32 mm	„	32.00	38.50	48.50
4	„ 40 mm	„	58.50	65.00	72.00
5	„ 50 mm	„	86.50	92.50	107.00

2.B. Rigid PVC Junction boxes with lid & screw (IS 3419).

Sl. No.	Description	Unit	Rate Rs.				
			Normal junction		Deep junction		
			20 mm	25 mm	20 mm	25 mm	32 mm
1	1 way terminal	Each	13.00	16.00	21.00	24.50	25.00
2	2 way through	„	14.00	17.00	22.00	25.50	27.50
3	2 way Angle	„	14.00	17.00	22.00	25.50	27.50
4	3 way Tee	„	15.00	19.00	22.50	28.00	29.50
5	4 way intersection	„	16.50	21.00	24.50	29.50	33.00
6	2 way Branch (U)	„	21.50				
7	3 way Branch (Y)	„	23.00				
8	4 way Branch (H)	„	24.50				

2.C. Common accessories for PVC conduits

Sl. No.	Description	Unit	Rate Rs.				
			20 mm	25 mm	32 mm	40 mm	50 mm
1	Fabricated bend (IS 3419)	Each	8.50	14.00	32.50	65.00	94.50
2	PVC coupler	„	2.10	3.70	7.40	12.00	19.00
3	Elbow	„	4.00	5.90			
4	Tee	„	6.70	8.90			
5	Female bush adaptor	„	4.20	5.50	13.50	18.00	31.00
6	Male bush adaptor	„	4.20	5.50			
7	Saddle base with screw	„	4.20	5.40	8.00	9.30	11.50
8	Saddle strap	„	2.00	2.80			
9	Rigid PVC Fan box 20/25 K.O	„	28.50				

3. Rigid PVC Oval conduit and accessories

Sl. No.	Description	Unit	Rate Rs.		
			16 mm	20 mm	25 mm
1	Rigid PVC Oval conduit	metre	9.00	12.00	17.00
2	Oval conduit Connector	Each	1.30	2.00	2.80
3	Oval to round connector	„	2.00	2.00	3.10
4	Oval Elbow	„	2.00	3.00	4.50
5	Oval 'Tee'	„	2.40	3.50	4.90
6	Oval Internal	„	2.40	3.50	4.10
7	Oval External	„	2.40	3.50	4.10
8	Oval saddle clip	„	1.90	1.90	2.40
9	Oval 'U' clip	„	2.00	2.20	2.40
10	Oval Saddle base	„	2.60	2.60	2.60

4. Rigid PVC Trunking (IS 14927 part II) and accessories.

Sl. No.	Size	Rate/mtr	Rate per Each						
		Trunking	Coupler	Elbow	'Tee'	Internal bend	External bend	Junction linker	4 way inter-section
1	20mm	19.00	2.10	2.10	2.80	2.80	2.80	8.20	
2	25mm	25.00	2.20	2.60	3.00	3.00	3.00		4.20
3	32mm	28.00	3.00	3.20	4.40	4.20	4.20		6.20
4	16 x 16mm	26.00	3.80	3.80	4.60	4.60	4.60		
5	20 x 12mm	26.00	3.20	3.80	4.40	4.40	4.40		
6	25 x 12mm	30.00	3.70	4.20	5.60	5.60	5.60		
7	25 x 16mm	31.00	4.30	5.20	5.50	5.50	5.50		
8	38 x 16mm	47.50	5.60	7.10	8.00	7.10	7.10		
9	38 x 25mm	60.50	6.60	8.70	9.50	10.50	10.50		
10	38 x 38mm	85.50							
11	50 x 16mm	65.50							
12	50 x 50mm	114.00							
13	75 x 50mm	265.00							
14	75 x 75mm	342.00							

5. Corrugated PVC flexible conduit and accessories.

Sl. No.	Description & unit	Size						
		10 mm	16 mm	20 mm	25 mm	32 mm	40 mm	50 mm
1	Corrugated PVC flexible conduit / meter	8.60	8.60	10.50	16.50	24.00	33.00	52.00
2	PVC adopter / each			6.10	8.60			

6. Double Walled Corrugated (DWC) pipes made out of HDPE for mechanical protection to underground power / communication / OFC / Signal cables conforming to IS 14930 Part – II

Sl. No.	Size OD / ID in mm	Price per mtr. in Rs.		price per each in Rs.
		Pipe	Half round pipe	Snap fit Coupler
1	50 / 38	79.00	47.50	--
2	63 / 50	94.00	56.50	21.50
3	77 / 63	106.00	63.50	32.50
4	90 / 75	134.00	80.50	40.50
5	110 / 94	194.00	116.00	43.50
6	120 / 102.50	201.00	120.00	47.50
7	125 / 109	237.00	142.00	52.50
8	145 / 123	295.00	177.00	56.50
9	160 / 135	318.00	191.00	65.00
10	175 / 147	362.00	217.00	76.00
11	200 / 174	425.00	255.00	87.00

PART V

**CABLE MANAGEMENT SYSTEM
(conforming to IEC 61084 / BS 476 and BS 4678)**

1. PVC Cable Management System and accessories.

Sl. No.	Description	Unit	Rate Rs.	
			50 x 50mm	100 x 50mm
1	2	3	4	5
1	Cable management system with base and lid	metre	120.00	360.00
2	Cable divider	„		48.00
3	External angle 90°	Each	64.00	69.50
4	Flat angle 90°	„	58.50	61.00
5	Internal angle 90°	„	61.50	61.50
6	Internal coupler	„	40.00	32.00
7	Flat cross	„	230.00	240.00
8	End cap	„	37.50	40.00
9	Flanged coupler	„	68.00	89.00
10	Joint cover	„	24.00	42.50
11	Special internal angle 45°	„	121.00	240.00
12	Special external angle 45°	„	121.00	160.00
13	Special flat angle 45°	„	121.00	160.00
14	External Tee	„	120.00	240.00
15	Flat Tee	„	58.50	55.00
16	Internal Tee	„	120.00	240.00
17	Cable retainer	„	21.50	16.00
18	1 to 3 module mounting box	„		60.00
19	4 to 5 module mounting box	„		72.00
20	Spacer for box	„		8.00
21	3 / 5 module under box divider	„		8.00
22	Wall plate for internal angle	„	37.50	37.50

1	2	3	4	5
23	Mini trunking adapter	„		10.50
24	MCB / RCD housing	„		160.00
25	Reducer 100 x 50 to 50 x 50mm	„		95.00

2. DLP plastic trunking and accessories.

Sl. No.	Description	Unit	Rate Rs.	
			150 x 50mm	195 x 50mm
1	2	3	4	5
1	Plastic trunking without cover	metre	542.00	701.00
2	Flexible cover 40mm width	„	114.00	114.00
3	Flexible cover 65mm width	„	118.00	118.00
4	Flexible cover 85mm width	„	126.00	126.00
5	Flexible cover 130mm width	„	294.00	294.00
6	Flexible cover 180mm width	„		317.00
7	Joint for 40mm width cover	Each	57.50	57.50
8	Joint for 65mm width cover	„	54.50	54.50
9	Joint for 85mm width cover	„	77.00	77.00
10	Joint for 130mm width cover	„	91.00	91.00
11	Joint for 180mm width cover	„		114.00
12	Base joint	„	25.50	25.50
13	Clips for 65mm width cover	„	22.50	22.50
14	Clips for 130 mm width cover	„	40.00	40.00
15	Separation partitions	„	68.00	68.00
16	Clip-on partitions	„	86.50	86.50
17	Aluminium clip-on partition	„	438.00	438.00
18	End caps	„	90.50	136.00
19	Internal angles adjustable from 80° to 100°	„	181.00	181.00
20	Partition junction for internal angle	„	91.00	91.00
21	VDI accessories for internal angles	„	226.00	226.00
22	External angles adjustable from 60° to 120°	„	158.00	158.00
23	Partition junction for external angle	„	158.00	158.00
24	VDI accessories for external angles	„	226.00	226.00
25	Flat angles	„	216.00	272.00
26	VDI accessories for flat angles	„	203.00	203.00
27	Flat junctions	„	317.00	317.00
28	Partition junctions for flat junctions	„	226.00	226.00
29	VDI accessories for flat junctions	„	272.00	272.00
30	Wall crossing	„	272.00	272.00
31	Capacity change (to 80 x 50 mm)	„	91.00	91.00
32	Capacity change to 195 x 50 mm)	„	136.00	136.00
33	Partition junction	„	136.00	136.00
34	Cable ties base	„	13.00	13.00
35	1 module frame for 40 mm cover	„	54.50	54.50
36	2 module frame for 65 mm cover	„	54.50	54.00
37	3 module frame for 65 mm cover	„	68.00	68.00

1	2	3	4	5
38	4 module frame for 65 mm cover	„	81.50	81.50
39	6 module frame for 65 mm cover	„	91.00	91.00
40	8 module frame for 65 mm cover	„	131.00	131.00
41	2 module frame for 85 mm cover	„	57.50	57.50
42	3 module frame for 85 mm cover	„	72.00	72.00
43	4 module frame for 85 mm cover	„	81.50	81.50
44	6 module frame for 85 mm cover	„	109.00	109.00
45	8 module frame for 85 mm cover	„	146.00	146.00
46	Isolating box for 2 / 4 / 6 / 8 module	„	99.00	99.00
47	Isolating box for 3 module	„	114.00	114.00
48	Support - 2 module for 65 mm cover	„	320.00	320.00
49	Support – 3 module for 85 mm cover	„		400.00
50	Support – 6 module for 130 mm cover	„	480.00	
51	Hypra socket support – for 130 mm cover	„	720.00	

3. Aluminium Cable Management system.

3.A. Aluminium Uncoated.

Sl. No.	Description	Unit	Rate Rs.	
			101 x 51 mm	101 x 72 mm
1	Trunking Canal base assembly (including base and lid)	metre	941.00	1040.00
2	Inner right angle bend (including lid)	Each	639.00	680.00
3	Vertical right angle bend (including lid)	„	680.00	720.00
4	Outer right angle bend (including lid)	„	680.00	720.00
5	Flat TEE (including lid)	„	662.00	698.00
6	Leveling Piece	„	27.00	27.00
7	End Cap with screws	„	31.50	76.50
8	Cable Divider	„	158.00	176.00
Common accessory for Aluminium uncoated				
1	Under floor Raceway including lid 134 x 39 mm	metre	1261.00	
2	Right angle bend for floor raceway including lid	Each	764.00	

3.B. Aluminium Anodized.

Sl. No.	Description	Unit	Rate Rs.	
			101 x 51 mm	101 x 72 mm
1	2	3	4	5
1	Trunking Canal base assembly (including base and lid)	metre	1013.00	1121.00
2	Inner right angle bend (including lid)	Each	684.00	729.00
3	Vertical right angle bend (including lid)	„	729.00	765.00
4	Outer right angle bend (including lid)	„	723.00	765.00
5	Flat TEE (including lid)	„	702.00	747.00
6	Leveling Piece	„	36.00	40.50
7	End Cap with screws	„	40.50	86.00
Common accessory for Aluminium Anodized				

1	2	3	4	5
1	Under floor Raceway including lid 134 x 39 mm	metre	1382.00	
2	Right angle bend for floor raceway including lid	Each	830.00	
3	Under floor Junction Box 180 x 180 mm	„	724.00	

3.C. Aluminium Powder Coated.

Sl. No.	Description	Unit	Rate Rs.	
			101 x 51 mm	101 x 72 mm
1	Trunking Canal base assembly (including base and lid)	metre	1103.00	1229.00
2	Inner right angle bend (including lid)	Each	711.00	756.00
3	Vertical right angle bend (including lid)	„	756.00	801.00
4	Outer right angle bend (including lid)	„	747.00	801.00
5	Flat TEE (including lid)	„	738.00	774.00
6	Leveling Piece	„	45.00	45.00
7	End Cap with screws	„	54.00	99.00

3.D. Common Accessories for Aluminium Trunking (uncoated, Anodized & Powder coated)

Sl. No.	Description	Unit	Rate Rs.
			101 x 51 mm
1	Joining Piece	Each	20.00
2	Earth Clamp	„	20.00
3	Apatula – Lid opening tool	„	132.00
4	1-2 Module Mounting Box	„	91.00
5	2 – 4 Module Mounting Box	„	91.00

4. DL Pass, Floor boxes and Pop-Up boxes.

4.A. DL Pass, integrated access flooring.

Sl. No.	Description	Unit	Rate Rs.
1	Standard tile (Base + Deck) 600 x 600 x 80 mm	Each	2041.00
2	Special tile for floor service outlet box, 600 x 600 x 80 mm	„	2552.00
3	Sloped Access ramp	„	7033.00
4	DL Pass bottom floor box for 16 module with grid without cover	„	3865.00
5	Steel cover for floor box (for carpet)	„	1526.00
6	Stainless steel cover for floor box	„	2340.00

4.B. Floor Boxes.

Sl. No.	Description	Unit	Rate Rs.
1	2	3	4
1	Floor box for false floor, 8 module with cover for carpet	Each	2578.00
2	Floor box for false floor, 8 module with SS cover for carpet	„	2700.00
1	2	3	4
3	Floor box for false floor, 16 module with cover for carpet	„	3098.00

4	Floor box for false floor, 16 module with SS cover for carpet	„	3150.00
5	Face plate for mounting 2 Lexic module	„	450.00
6	Floor access unit, circular, aluminium	„	1377.00
7	Batik floor box for concrete floor supplied with protective cover for 8 module	„	688.00
8	8 module frame with steel cover for carpet	„	2408.00
9	8 module frame with SS cover for carpet	„	2520.00
10	Batik floor box for concrete floor supplied with protective cover for 16 module	„	1550.00
11	16 module frame with steel cover for carpet	„	5159.00
12	16 module frame with SS cover for carpet	„	5310.00
13	Adjustment bracket for 8 module batik box	„	688.00
14	Face plate for mounting 2 Lexic module in 8 module frame	„	450.00
15	Face plate for mounting 2 Lexic module in 16 module frame	„	450.00

4.C. Pop-Up Boxes.

Sl. No.	Description	Unit	Rate Rs.
1	Pop-up aluminium floor adaptor 3 module	Each	1292.00
2	Pop-up aluminium floor adaptor 3 + 3 module	„	1773.00
3	Pop-up brass golden floor adaptor 3 module	„	3094.00
4	Metallic floor box for Pop-up aluminium floor adaptor 3 module	„	794.00
5	Plastic floor box for floor adaptor 3 module	„	135.00
6	Plastic floor box for floor adaptor 3 + 3 module	„	281.00

Note:-The make of cable management system and accessories to be used are – MK India Ltd., Legrand and Clipsal.

PART VI

SWITCH, PLUG, BELL PUSH, CEILING ROSE & INDUSTRIAL PLUG (For details of grouping under this part, refer annexure I)

1.A. Piano type switches and accessories.

Sl. No.	Description	Unit	Rate Rs.
1	2	3	4
1	6 A 1 way switch	Each	13.50
2	6 A 2 way switch	„	15.50
3	6 A bell push	„	15.00
4	6 A hanging bed switch 1 way	„	14.50
5	6 A hanging bell push	„	15.50
6	16 A 1 way switch	„	42.50
7	16 A 1 way switch with neon	„	56.00
8	16 A 2 way switch	„	50.50
9	Neon indicator	„	15.00
1	2	3	4
10	6 A 2 pin socket	„	13.00
11	6 A 2 pin socket suitable for English pin	„	17.50

12	6 A 3 pin socket	„	18.00
13	6 A 5 pin socket	„	19.00
14	6 A 5 pin socket suiting English pin (round & square) also	„	23.50
15	16 A 3 pin socket	„	41.50
16	6/13 A international socket	„	30.00
17	6/16 A universal socket	„	43.50
18	6 A 3 pin switch socket combined flush type	„	39.50
19	16 A 3 pin switch socket combined flush type	„	68.00
20	6/16 A switch socket combined flush type	„	69.50
21	6/16 A switch socket combined flush type with neon	„	79.50
22	6 A 3 pin plug top	„	21.00
23	16 A 3 pin plug top	„	34.50
24	16 A 3 pin plug top with fuse	„	36.00
25	6 A 3 pin plug top unbreakable (polycarbonate)	„	27.00
26	16 A 3 pin plug top unbreakable (polycarbonate)	„	39.50
27	2 Plate ceiling rose	„	14.50
28	3 Plate ceiling rose	„	15.00
29	3 pin telephone socket	„	14.50
30	3 pin telephone top	„	23.50
31	RJ 11 telephone jack (2 lines)	„	36.00
32	RJ 11 telephone jack (4 lines)	„	45.00
33	RJ 11 telephone jack (2 lines) with shutter	„	30.50
34	TV antenna socket – switch size	„	20.50
35	TV antenna socket – socket size	„	23.50
36	Step fan regulator – switch size	„	170.00
37	Step fan regulator – socket size	„	185.00
38	PVC Gang box 1 way	„	6.50
39	PVC Gang box 2 way	„	9.50

1.B. Industrial type Plugs and Sockets.

Sl. No.	Description	Unit	Rate Rs.	
			250 V 10 A	250 V 20 A
1	SP & N metal case enclosure with 2 pole and earth plug socket along with pin suitable for incorporating SPMCB/ SP RCCB (Less cost of MCB/RCCB) conforming to I.S.8804.	Each	508.00	529.00
2	2 pole + Earth, 250V, Industrial plug socket	„	79.50	95.00
3	2 pole + Earth, 250V, Industrial plug top	„	79.50	88.50

2.A. Modular switches and accessories (Group A).

Sl. No.	Description	Unit	Rate Rs.
1	2	3	4
1	6 A SP 1 way switch	Each	40.50
1	2	3	4
2	6 A SP 2 way switch	„	50.00
3	6 A SP 1 way switch with indicator	„	53.00

4	6 A SP 2 way switch with indicator	„	63.00
5	6 A SP 1 way bell push	„	48.50
6	6 A SP 1 way bell push with indicator	„	66.50
7	16 A SP 1 way bell push	„	69.00
8	16 A SP 1 way bell push with indicator	„	87.50
9	16 A SP 1 way switch	„	58.50
10	16 A SP 2 way switch	„	67.00
11	16 A SP 1 way switch with indicator	„	66.50
12	20 A DP switch with indicator	„	97.50
13	32 A DP switch with indicator	„	104.00
14	6 A to 32 A modular type SP MCB	„	78.50
15	6 A to 32 A modular type DP MCB	„	208.00
16	32 A DP Load break switches (Isolators)	„	188.00
17	50 A DP Load break switches (Isolators)	„	206.00
18	Heavy duty plug and socket unit for flush mounting comprising of appropriately rated SP MCB, 25 A socket and 25 A plug top with indicator along with mounting plate	„	319.00
19	Heavy duty plug and socket unit for flush mounting comprising of appropriately rated SP MCB, 25 A socket and 25 A plug top with indicator along with mounting plate and plastic mounting box.	„	356.00
20	Single phase Motor starter (16 A with current setting of 0.6 – 1 A for 1/8 HP motor, 0.9 – 1.5 A for 1/4 HP motor, 1.2 – 2 A for 1/3 HP motor, 2.0 -2.5 A for 1/2 HP motor, 3.0 – 5 A for 3/4 HP motor, 4.75 – 7.5 A for 1 TR A/C, 7 – 11 A for 1.5 TR A/C)	„	225.00
21	Single phase Motor starter (20 A with current setting of 11A to 18 A for 2 Ton A/C)	„	236.00
22	Single phase Motor starter (25 A with current setting of 16A to 25 A for 2.5 Ton A/C)	„	255.00
23	A/C Power units flush type with suitably rated MCB and suitably rated motor starter along with 25 A illuminated plug and socket with front plate etc., suitable for 1.5 TR A/C, 2TR A/C or 2.5 TR A/C	„	694.00
24	As above but without MCB	„	461.00
25	A/C Power units box type with suitably rated MCB and suitably rated motor starter along with 25 A illuminated plug and socket with front plate, mounting box etc., for direct fitting to wall suitable for 1.5 TR A/C, 2TR A/C or 2.5 TR A/C	„	769.00
26	Complete unit of 20 A Starter unit and 25 A socket with 4 module plate and surface box for 4 HP motor.	„	420.00
27	As above but without MCB	„	525.00
28	6 A charger socket 2 module for mobile charger, lap top	„	43.50
29	6 A Universal socket	„	96.50
30	6 A, 2 / 3 pin socket	„	62.50
31	6 / 16 A combined socket	„	94.00
32	13 A 3 pin socket suitable for flat pin	„	105.00
33	6 / 10 / 13 A international sockets for all pins	„	104.00
34	25 A Universal socket	„	109.00
1	2	3	4
35	Shaver socket	„	169.00
36	RJ 11 Telephone Jack	„	52.50

37	2 Line RJ 11 Telephone Jack	„	74.00
38	CAT 6 RJ 45 Computer Jack	„	305.00
39	CAT 5e RJ 45 Computer Jack	„	251.00
40	6 A 3 pin plug top	„	22.50
41	6 A 3 pin plug top with indicator	„	30.00
42	16 A 3 pin plug top	„	27.00
43	16 A 3 pin plug top with indicator	„	45.50
44	25 A 3 pin plug top with indicator	„	54.50
45	Buzzer	„	58.00
46	Electronic buzzer - 1M	„	90.00
47	Electronic buzzer - 2M	„	101.00
48	Bulbul Bell 2 module	„	111.00
49	Foot Lamp with 5 module box and lamp holder	„	218.00
50	Foot Lamp with 4 module box and lamp holder	„	174.00
51	TV Coaxial Socket outlet – 1M	„	52.00
52	Flex out let / chord out let – 1M	„	39.00
53	16A fuse unit – 1M	„	49.50
54	Neon Indicator – red 1M	„	32.00
55	Neon Indicator – Orange 1M	„	32.00
56	Neon Indicator – Amber 1M	„	27.50
57	Neon Indicator – Green 1M	„	28.50
58	Skirt light with white LED – 3M	„	191.00
59	100 W step regulator- type 1 M	„	226.00
60	100 W step regulator- type 2 M	„	260.00
61	32 A DP mains on off with key tag	„	1934.00
62	Key tag with key ring	„	41.00
63	3 way neutral link for modular boxes	„	46.50
64	Blank plate 1 M	„	11.60
65	Blank plate 2 M	„	24.00
66	Blank plate 4 M	„	19.50

2.B. Boxes for modular switches and accessories (Group A).

Sl. No.	Description	Unit	Rate Rs.			
			Moulded Plastic boxes		Metal boxes	
			Recess	Surface	Recess	Surface
1	2	3	4	5	6	7
1	1 module	Each	16.00	33.00	26.00	
2	2 module	„	16.00	33.00	26.00	
3	3 module	„	20.50	39.00	32.00	
4	4 module	„	26.00	39.00	40.50	
5	5 module	„	36.00	42.00	44.00	
6	6 module	„	40.50	51.50	62.50	
7	8 module	„	56.50	78.00	83.50	
1	2	3	4	5	6	7
8	9 module	„		90.50	93.50	
9	10 module	„	65.00	64.50	88.50	

10	12 module	„	71.00	89.50	105.00	218.00
11	16 module	„	79.50	81.00	94.50	
12	18 module	„	93.50	97.50	131.00	226.00

2.C. Front plates for Modular Boxes (Group A).

Sl. No.	Description	Unit	Rate Rs.						
			1	2	3	4	5	6	7
1	1 module	Each	35.00	38.00	94.50	56.00	187.00	56.00	67.50
2	2 module	„	36.00	38.00	94.50	65.00	201.00	56.00	71.00
3	3 module	„	45.50	42.50	99.00	81.50	224.00	71.00	90.00
4	4 module	„	52.50	54.00	118.00	93.50	281.00	78.50	105.00
5	5 module	„	53.50			128.00	350.00		
6	6 module	„	76.50	74.00	181.00			113.00	154.00
7	8 module	„	99.50	108.00	206.00	164.00	421.00	143.00	188.00
8	9 module	„	95.00			210.00	467.00		
9	10 module	„	93.50						
10	12 module	„	122.00	126.00	266.00	234.00	503.00	188.00	236.00
11	16 module	„	109.00						
12	18 module	„	155.00	186.00	377.00	281.00	584.00	210.00	255.00

Note:-

1. White front plates.
2. Convex (chocolate, misty white, euro white, grey, beige).
3. Decora (green, leaf brown, premium red, premium black, wood).
4. Metallic Front plates (Pearl, Bronze, grey).
5. Designer Front plates (Wood).
6. Metallic / matt / stipple finish.
7. Texture finish / two-tone

3.A. Modular switches and accessories (Group B).

Sl. No.	Description	Unit	Rate Rs.
1	2	3	4
1	6 A SP 1 way switch	Each	67.50
2	6 A SP 2 way switch	„	80.50
3	6 A SP 1 way switch with indicator	„	87.50
4	6 A SP 2 way switch with indicator	„	119.00
5	6 A SP 1 way bell push	„	87.50
6	10 A SP 1 way bell push	„	84.50
7	10 A SP 1 way bell push with indicator	„	90.00
8	6 A SP 1 way bell push with indicator	„	91.50
9	10 A SP 1 way switch 1 module	„	63.50
10	10 A SP 1 way switch 2 module	„	93.50
11	10 A SP 1 way switch with indicator	„	77.50
12	10 A SP 2 way switch 1 module	„	78.50
1	2	3	4
13	10 A SP 2 way switch 2 module	„	105.00
14	16 A SP 1 way switch	„	100.00
15	16 A SP 2 way switch	„	117.00

16	16 A SP 2 way switch with indicator	„	144.00
17	16 A SP 1 way switch with indicator	„	116.00
18	20 A SP 1 way switch	„	144.00
19	20 A SP 2 way switch	„	237.00
20	25 A SP 1 way switch	„	107.00
21	20 A DP switch	„	146.00
22	25 A DP switch with indicator	„	248.00
23	20 A DP switch with indicator	„	197.00
24	25 A DP modular MCB	„	375.00
25	32 A DP switch with indicator	„	252.00
26	3 module decorative bell push	„	128.00
27	Motor starter switch (6 A to 10 A)	„	253.00
28	Motor starter switch (9 A to 15 A)	„	263.00
29	Motor starter switch (16 A to 25 A)	„	281.00
30	Motor starter switch (16 A)	„	291.00
31	Motor starter switch (20 A)	„	303.00
32	Motor starter switch (25 A)	„	303.00
33	16A Power unit with 4 module plate, 16A starter, 16A socket and 16 A plug top	„	596.00
34	20A Power unit with 4 module plate, 20A starter, 20A socket and 20 A plug top	„	596.00
35	25A Power unit with 4 module plate, 25A starter, 25A socket and 25 A plug top	„	596.00
36	6 A charger socket 2 module for mobile charger, lap top	„	87.50
37	6A 3 pin shuttered socket	„	97.50
38	6 A Universal socket	„	104.00
39	6 A, 2 / 3 pin shuttered socket	„	103.00
40	6 / 16 A combined shuttered socket	„	150.00
41	13 A 3 pin shuttered socket suitable for flat pin	„	167.00
42	6 / 10 / 13 A international sockets for all pins	„	147.00
43	10 / 25 A 3 pin Socket	„	156.00
44	20 A 3 pin shuttered socket	„	163.00
45	25 A 3 pin shuttered socket	„	179.00
46	Shaver socket, 110 / 230 V AC with transformer - 4 M	„	984.00
47	RJ 11 Telephone Jack with shutter	„	74.50
48	2 Line RJ 11 Telephone Jack with shutter	„	98.00
49	CAT 6 RJ 45 Computer Jack	„	327.00
50	CAT 5e RJ 45 Computer Jack	„	190.00
51	Twin RJ 11 Telephone Jack	„	82.50
52	RJ 45 Frame	„	71.00
53	6 A 3 pin plug top	„	70.00
54	16 A 3 pin plug top	„	109.00
55	13A 3 pin plug top with fuse	„	116.00
56	25 A 3 pin plug top with indicator	„	116.00
1	2	3	4
57	Electronic Chime – 2M	„	101.00
58	Buzzer	„	119.00
59	Foot Lamp with 4 module box and lamp holder	„	218.00
60	Foot Light cover 4 module	„	135.00

61	Foot Lamp with 5 module box and lamp holder	„	218.00
62	Foot Lamp with 8 module box and lamp holder	„	296.00
63	Foot Light cover 8 module	„	184.00
64	Down light / foot light with variable shutter regulator -3M	„	234.00
65	TV Coaxial Socket outlet – 1M	„	74.50
66	TV cable / Flex out let – 1M	„	56.50
67	6A fuse unit – 1M	„	90.50
68	16A fuse unit – 1M	„	93.00
69	Neon Indicator – red 1M	„	58.00
70	Neon Indicator – Amber 1M	„	60.50
71	Neon Indicator – Green 1M	„	60.50
72	100 W Step type fan regulator - 2 M	„	340.00
73	Speaker volume control – 2 M	„	281.00
74	Light Control 300W 2 M	„	225.00
75	Light Control 400W 4 M	„	375.00
76	Light Control 1000W 4 M	„	488.00
77	Energy key switch with Tag – 3M	„	364.00
78	Key tag	„	65.50
79	Electronic key tag (card operated)	„	1223.00
80	16A DP key card switch	„	2063.00
81	Secret Key 16 A 1 way – 1M	„	69.50
82	20 A energy key tag switch with time delay – 3M	„	938.00
83	Hotel key fob switch 20A without key fob	„	526.00
84	Key fob for 20 A key fob switch	„	90.50
85	Key fob switch 100VA with 30 second delay	„	2082.00
86	Key fob for 100VA with 30 second delay switch	„	702.00
87	“Do not disturb” indicator lamp 1 + 1 module	„	709.00
88	Internal control unit for “Do not disturb” indicator lamp 1 + 1 module	„	625.00
89	Pre-wired 10M horizontal plate assembled with 3 Intel Sockets controlled by 16A Indicator switch	„	938.00
90	Pre-wired 10M horizontal plate assembled with 3Nos 6 / 16A Sockets controlled by 16A Indicator switch	„	900.00
91	Pre-wired 10M horizontal plate assembled with 4 Nos 6A Sockets controlled by 16A Indicator switch	„	900.00
92	6 A SPN MCB 2 module	„	2039.00
93	10 A SPN MCB 2 module	„	2039.00
94	16 A SPN MCB 2 module	„	2039.00
95	16 A, 30 mA SPN RCBO 2 M	„	3390.00
96	16 A 250 V AC voltage surge protector	„	3390.00
97	Replacement module for voltage surge protector	„	1697.00
98	Blank plate 1 M	„	17.00
99	Blank plate 2 M	„	27.00
100	Blank plate 4 M	„	22.50

3.B. Boxes for modular switches and accessories (Group B).

Sl. No.	Description	Unit	Rate Rs.			
			Moulded Plastic boxes		Metal boxes	
			Recess	Surface	Recess	Surface

1	1 module	Each	26.00	50.50	32.00	
2	2 module	„	26.00	50.50	32.00	
3	3 module	„	28.00	57.00	37.00	
4	4 module	„	36.00	73.00	45.50	
5	5 module	„		97.00	45.50	
6	6 module	„	51.00	80.00	71.50	
7	8 module	„	71.00	103.00	90.00	
8	9 module	„	71.00	78.50	107.00	
9	10 module	„		143.00	95.00	
10	12 module	„	90.00	108.00	136.00	218.00
11	16 module	„		105.00	119.00	
12	18 module	„	113.00		156.00	228.00
13	24 module	„			152.00	

3.C. Front plates for Modular Boxes (Group B).

Column wise details

1. White / off white.
2. Metallic (Gold)
3. Metallic (Pearl, Chroma, brushed steel)
4. Designer Front plates (Marble, wood, granite)
5. Coloured plates (Gold / Silver / black).
6. Ornamental front plates with grid module and coloured (Matt silver / matt gold / brush steel).
7. Ornamental front plates with grid module and coloured (red wood, camel, furniture light, noir matt black).
8. Designer Front plates (Ivory / charcoal grey)
9. Designer Front plates (Oak wood / teak / rose wood / marble)

Sl. No.	Description	Unit	Rate Rs.								
			1	2	3	4	5	6	7	8	9
1	1 module	Each	52.00	263.00	132.00	134.00	95.00	169.00	161.00	65.00	120.00
2	2 module	„	53.50	272.00	140.00	141.00	100.00	180.00	173.00	67.00	124.00
3	3 module	„	61.50	281.00	149.00	159.00	121.00	218.00	206.00	76.50	143.00
4	4 module	„	69.00	306.00	173.00	191.00	150.00	263.00	244.00	87.50	158.00
5	5 module	„	80.50	314.00	181.00	181.00				91.00	169.00
6	6 module	„	96.00			234.00	176.00	308.00	293.00		
7	8 module	„	129.00	380.00	256.00	267.00	190.00	394.00	364.00	161.00	248.00
8	9 module	„	161.00							176.00	255.00
9	10 module		152.00			285.00				173.00	255.00
10	12 module	„	168.00			602.00	435.00	570.00	540.00	216.00	338.00
11	16 module		192.00			302.00				233.00	360.00
12	18 module	„	217.00			824.00	593.00				
13	24 module		262.00							339.00	

4. Bell and Bell indicators.

Sl. No.	Description	Unit	Rate Rs.
1	Buzzer	Each	30.50
2	Call Bell	„	39.00

3	Ding dong bell	„	72.00
4	Musical bell with bird sound	„	98.00
5	Musical bell with multiple tunes	„	142.00
6	DC operated remote controlled electric bell	„	465.00
7	Gong Bell 75 mm	„	418.00
8	„ 100 mm	„	500.00
9	„ 150 mm	„	583.00
10	„ 225 mm	„	913.00
11	„ 300 mm	„	1089.00
12	Bell indicator	Per way	146.00

PART VII

LAMPS

1. GLS Lamps.

Sl. No.	Description	Unit	Rate Rs.
1	15 W clear BC	Each	10.00
2	GLS 25 W clear BC	„	10.00
3	GLS 40 W clear BC	„	10.00
4	GLS 60 W clear BC	„	10.00
5	GLS 100 W clear BC	„	11.00
6	GLS 200 W clear BC	„	18.50
7	GLS 40 W clear ES	„	12.50
8	GLS 60 W clear ES	„	12.00
9	GLS 100 W clear ES	„	13.00
10	GLS 200 W clear ES	„	21.50
11	GLS 15 W milky / frosted	„	10.50
12	GLS 40 W milky / frosted	„	13.50
13	GLS 60 W milky / frosted	„	12.50
14	GLS 100 W milky / frosted	„	13.50
15	15 W colour decoration BC	„	11.00
16	Decoration 40W E 14 clear	„	23.50
17	10 W night lamp BC	„	12.00
18	Clear candle 25 W BC	„	16.00
19	Candle clear 25 / 40 / 60 W E 14	„	19.00
20	Candle frosted 25 / 40 / 60 W E 14	„	20.00
21	Pearl / frosted Candle bulb 25 W BC	„	18.00
22	Pearl / frosted / clear Candle bulb 40 / 60 W BC	„	19.50
23	Reflector lamps 75 W	„	72.00
24	Reflector lamps 100 W	„	73.00
25	Reflector lamps 150 W	„	76.00

2. Fluorescent tube lights.

Sl. No.	Description	Unit	Rate Rs.
1	T 8 18 W FTL	Each	37.00
2	T 8 36 W FTL	„	38.50

3	T 12 20 W FTL	„	40.00
4	T 12 40 W FTL	„	42.50
5	T 12 40 W FTL coloured	„	42.50
6	28 W fluorescent tube light (T5)	„	190.00
7	14 W fluorescent tube light (T5)	„	171.00
8	24 W fluorescent tube light (T5)	„	190.00
9	54 W fluorescent tube light (T5)	„	200.00

3. Non-retrofit CFL.

Sl. No.	Description	Unit	Rate Rs.
1	PL-S 5 W – 2P / 4P	Each	63.50
2	PL-S 7 W – 2P / 4P	„	65.00
3	PL-S 9 W – 2P / 4P	„	69.00
4	PL-S 11 W - 2P / 4P	„	75.00
5	PL-C 10 W – 2P / 4P	„	102.00
6	PL-C 13 W - 2P / 4P	„	103.00
7	PL-C 18 W - 2P / 4P	„	112.00
8	PL-C 26 W – 2P / 4P	„	160.00
9	PL-L 18 W - 4P	„	165.00
10	PL-L 36 W - 4P	„	185.00
11	PL-L 40 W - 4P	„	214.00
12	PL-L 55 W - 4P	„	273.00
13	PL-L 80 W - 4P	„	309.00
14	PL-T 26 W – 2P / 4P	„	333.00
15	PL-T 32 W - 4P	„	356.00
16	PL-T 42 W - 4P	„	380.00
17	PL-T 57 W - 4P	„	404.00

4. Retrofit CFL.

Sl. No.	Description	Unit	Rate Rs.
1	2	3	4
1	Dwarf size 5 W BC / ES / E 14	Each	112.00
2	Dwarf size 8 W BC / ES / E 14	„	118.00
3	Dwarf size 11 W BC / ES / E 14	„	126.00
4	Dwarf size 14 W BC / ES / E 14	„	141.00
5	Normal size 8 W BC / ES	„	119.00
6	Normal size 11 W BC / ES	„	116.00
7	Normal size 14 W BC / ES	„	133.00
8	Normal size 15 W BC / ES	„	124.00
1	2	3	4
9	Normal size 18 W BC / ES	„	169.00
10	Normal size 20 W BC / ES	„	157.00
11	Normal size 23 W BC / ES	„	192.00
12	Normal size 26 W BC / ES	„	219.00
13	Higher size 35 W BC / ES	„	333.00

14	Higher size 45 W BC / ES	„	545.00
15	Higher size 65 W BC / ES	„	608.00
16	Higher size 85 W BC / ES	„	608.00
17	Spiral 7 W BC / ES	„	162.00
18	Spiral 9 W BC / ES	„	164.00
19	Spiral 11 W BC / ES	„	181.00
20	Spiral 13 W BC / ES	„	195.00
21	Spiral 15 W BC / ES	„	196.00
22	Spiral 20 W BC / ES	„	211.00
23	Spiral 23 W BC / ES	„	228.00
24	Spiral 26 W BC / ES	„	223.00
25	Globe 15 W BC	„	359.00
26	Globe 20 W BC		404.00

5. HID Lamps.

5.A. High Pressure SV lamp.

Sl. No.	Description	Unit	Rate Rs.
1	Elliptical Ext. 70 W	Each	328.00
2	Elliptical Int. 70 W	„	333.00
3	Elliptical 150 W	„	463.00
4	Elliptical 250 W	„	508.00
5	Elliptical 400 W	„	499.00
6	Elliptical 1000 W	„	3800.00
7	Tubular 70 W	„	373.00
8	Tubular 150 W	„	499.00
9	Tubular 250 W	„	549.00
10	Tubular 400 W	„	646.00
11	Tubular 1000 W	„	3943.00

5.B. Double ended Metal Halide lamp.

Sl. No.	Description	Unit	Rate Rs.
1	MHN – TD 70 W	Each	530.00
2	MHN – TD 150 W	„	530.00

5.C. Metal Halide lamp working both with sodium / Metal Halide chokes.

Sl. No.	Description	Unit	Rate Rs.
1	HPI PLUS BU Elliptical 250 W	Each	1169.00
2	HPI PLUS BU Elliptical 400 W	„	1235.00
3	HPI PLUS BU Elliptical 250 W / 767	„	1254.00

4	HPI PLUS BU Elliptical 400 W / 767	„	1330.00
5	HPI PLUS BU – S 400 W	„	1805.00
6	HPI PLUS BU – P 400 W	„	1805.00
7	HPI PLUS BU – SP 400 W	„	2043.00
8	HPI – T PLUS Tubular 250 W	„	950.00
9	HPI – T PLUS Tubular 400 W	„	960.00
10	HPI – T PLUS Tubular 1000 W	„	5387.00
11	HPI – T PLUS Tubular 2000 W	„	7838.00
12	MH T Colour Metal Halide 400 W (R / G / B / V)	„	1710.00

5.D. Ceramic Discharge Metal Halide Lamps with G 12 base.

Sl. No.	Description	Unit	Rate Rs.
1	Master colour CDM – T 35 W / 830	Each	1211.00
2	Master colour CDM – T 70 W / 830	„	1211.00
3	Master colour CDM – T 70 W / 942	„	1211.00
4	Master colour CDM – T 150 W / 830	„	1330.00
5	Master colour CDM – T 150 W / 942	„	1330.00

5.E. Double ended Ceramic Discharge Metal Halide Lamps.

Sl. No.	Description	Unit	Rate Rs.
1	Master colour CDM – TC 35 W / 830	Each	1330.00
2	Master colour CDM – TC 70 W / 830	„	1449.00
3	Master colour CDM – TD 70 W / 830	„	1378.00
4	Master colour CDM – TD 70 W / 942	„	1378.00
5	Master colour CDM – TD 150 W / 830	„	1425.00
6	Master colour CDM – TD 150 W / 942	„	1425.00

5.F. Master Colour PAR light.

Sl. No.	Description	Unit	Rate Rs.
1	Master colour PAR 20 35 W / 830 – 10 D	Each	1948.00
2	Master colour PAR 20 35 W / 830 – 30 D	„	1948.00
3	Master colour PAR 30 L 35 W / 830 – 10 D	„	1948.00
4	Master colour PAR 30 L 35 W / 830 – 30 D	„	2128.00
5	Master colour PAR 30 L 70 W / 830 – 10 D	„	2128.00
6	Master colour PAR 30 L 70 W / 830 – 30 D	„	2128.00
7	Master colour PAR 30 L 70 W / 830 – 40 D	„	2128.00

5.G. Single ended Ceramic discharge Metal Halide Lamps – tubular threaded.

Sl. No.	Description	Unit	Rate Rs.
1	Master colour CDM – TT 70 W / 830	Each	2128.00
2	Master colour CDM – TT 150 W / 830	„	2128.00
3	Master colour CDM – TT 250 W / 830	„	1330.00

5.H. Single ended Ceramic discharge Metal Halide Lamps – Elliptical threaded.

Sl. No.	Description	Unit	Rate Rs.
1	CDM – ET 70 W / 830	Each	2571.00
2	CDM – ET 150 W / 830	„	1853.00
3	White SON Tubular SDW 100 W G12	„	2043.00

5.I. CDMR Lamps.

Sl. No.	Description	Unit	Rate Rs.
1	CDMR 111 Lamps 35 W D 10	Each	1948.00
2	CDMR 111 Lamps 35 W D 24	„	1948.00
3	CDMR 111 Lamps 35 W D 45	„	1330.00
4	CDMR 111 Lamps 70 W D 10	„	1900.00
5	CDMR 111 Lamps 70 W D 24	„	1948.00
6	CDMR 111 Lamps 70 W D 40	„	2337.00

6. Halogen Lamps.**6.A. Linear Halogen lamps.**

Sl. No.	Description	Unit	Rate Rs.
1	100 W	Each	51.50
2	150 W	„	63.50
3	300 W	„	63.50
4	500 W	„	72.50
5	1000 W	„	90.00

6.B. Dichroic lamps.

Sl. No.	Description	Unit	Rate Rs.
1	12 V 20 W with out glass cover	Each	57.00
2	12 V 35 W with out glass cover	„	76.00
3	12 V 50 W with out glass cover	„	40.50
4	12 V 20 W with glass cover	„	57.00
5	12 V 35 W with glass cover	„	57.00
6	12 V 50 W with glass cover	„	50.00

6.C. Halogen Capsule light.

Sl. No.	Description	Unit	Rate Rs.
1	12 V 5 W	Each	95.00
2	12 V 20 W	„	42.50
3	12 V 50 W	„	42.50

PART VIII

LIGHT FITTINGS AND ACCESSORIES

(For details of grouping under this part, refer annexure II)

1. Fluorescent light fittings

Sl. No.	Description	Unit	Rate Rs.
1	Strip light fittings made out of CRCA sheet of minimum thickness 0.50 mm, powder coated / stove enameled suitable for 1 x 18/ 20 W FTL with following type of choke , starter, holder etc duly wired up for use on 240 V single phase AC supply.		
A	with aluminium choke	Each	191.00
B	with open construction (VPIT) copper choke	„	234.00
2	Strip light fittings made out of CRCA sheet of minimum thickness 0.50 mm, powder coated / stove enameled suitable for 1 x 36/ 40 W FTL with following type of choke , starter, holder etc duly wired up for use on 240 V single phase AC supply.		
A	with aluminium choke	Each	200.00
B	with open construction (VPIT) copper choke	„	245.00
C	with electronic choke (THD < 33%)	„	313.00
3	Mounting rail fittings (box type fittings) made out of CRCA sheet of minimum thickness 0.50 mm, powder coated / stove enameled suitable for the following type of lamps with open construction (VPIT) copper choke , starter, starter holder, lamp holder, power factor improvement capacitor etc duly wired up for use on 240 V single phase AC supply.		
A	1 x 36/ 40 W FTL	Each	509.00
B	2 x 36/ 40 W FTL	„	793.00
4	Mounting rail fittings (box type fittings) made out of CRCA sheet of minimum thickness 0.50 mm, powder coated / stove enameled suitable for 1 x 36/ 40 W FTL with following types of electronic ballast , lamp holder etc duly wired up for use on 240 V single phase AC supply.	„	
A	with light duty electronic ballast having THD < 33%	„	603.00
B	with light duty electronic ballast having THD < 10%	„	709.00
C	with heavy duty electronic ballast having THD < 33%	„	835.00
D	with heavy duty electronic ballast having THD < 10%	„	797.00
5	Mounting rail fittings (box type fittings) made out of CRCA sheet of minimum thickness 0.50 mm, powder coated / stove enameled suitable for 2 x 36/ 40 W FTL with following types of electronic ballast , lamp holder etc., duly wired up for use on 240 V single phase AC supply.		
A	with light duty electronic ballast having THD < 33%	„	928.00
B	with light duty electronic ballast having THD < 10%	„	1055.00
C	with heavy duty electronic ballast having THD < 33%	„	1401.00
D	with heavy duty electronic ballast having THD < 10%	„	1471.00
	Accessories		
1	Bi- pin tube holder	„	7.40
2	Starter holder	„	6.00
3	Starter	„	7.30
4	T-5 Holder kit	set	31.50
5	Aluminium Ballast for 20 / 40 W TFL	„	110.00
6	Copper Ballast for 20 W TFL	„	175.00
7	Copper choke of 1 x 36 / 40 W FTL	„	156.00
8	Electronic choke for 1 x 18 / 20 W FTL	„	225.00
9	Electronic choke for 1 x 36 / 40 W FTL	„	245.00
10	Electronic choke for 1 x 36 / 40 W FTL HPF > 0.90	„	304.00

11	Electronic choke for 2 x 18 / 20 W FTL HPF > 0.95	„	315.00
12	Electronic choke for 2 x 36 / 40 W FTL HPF > 0.95	„	383.00
13	Electronic choke for 4 x 18 / 20 W FTL HPF > 0.95	„	383.00
14	Electronic choke for 1 x 28 W T5 Lamp	„	400.00
15	Electronic choke for 2 x 28 W T5 Lamp	„	632.00

2. Recessed mounting type decorative luminaries

Sl. No.	Description	Unit	Rate Rs.	
			Group A	Group B
1	2	3	4	5
1	Wide spread (BAT wing) type decorative fluorescent light fittings recessed mounting type suitable for 2x36/ 40 W FTL complete with the following accessories, main housing of MS sheet of 0.50 mm nominal thickness, stove enameled / powder coated outside and inside. The aluminium mirror system of high optical efficiency shall be made out of 0.30 mm nominal thickness sheet brightened anodised lamellae louvers of anodised aluminium.			
a	Copper wound ballast, starter, starter holder, condenser and lamp holder	Each	1698.00	--
b	Electronic ballast (THD < 10%), and lamp holder	„	2118.00	2295.00
2	Dark light (Cat II) decorative fluorescent light fittings recessed mounting type suitable for the following types of FTL complete with the following accessories, main housing of MS sheet of 0.50 mm nominal thickness, stove enameled / powder coated outside and inside. The aluminium mirror system of high optical efficiency shall be made out of 0.30 mm nominal thickness sheet brightened anodised lamellae louvers of anodised aluminium.	„		
a	2x36/ 40 W FTL complete with copper wound ballast, starter, starter holder, power factor improvement condenser and lamp holder	„	2962.00	3198.00
b	2x36/ 40 W FTL complete with electronic ballast (THD < 10%) and lamp holder	„	3405.00	3531.00
c	2x28 W TL-5 lamp complete with electronic ballast (THD < 10%) and lamp holder	„	3586.00	4944.00
d	4x14 W TL-5 lamp complete with electronic ballast (THD < 10%) and lamp holder	„	3856.00	4750.00
3	Recessed mounting type direct indirect soft light luminaries suitable for use in Armstrong / USG / GRG type false ceiling modules suitable for 2x36 W PL lamp complete with following accessories, main housing of MS sheet of 0.50 mm nominal thickness, stove enameled / power coated outside and inside with concave cover.			
a	Copper wound ballast, starter, starter holder, power factor improvement condenser and lamp holder	„	1904.00	2430.00
b	Electronic ballast (THD < 10%), and lamp holder	„	2334.00	3029.00
4	Recessed mounting type direct indirect soft light luminaries suitable for use in Armstrong / USG / GRG type false ceiling modules suitable for 2x36 W PL lamp complete with following accessories, main housing of MS sheet of 0.50 mm nominal thickness, stove enameled / power coated outside and inside with paralite louvers.			
1	2	3	4	5
a	Copper wound ballast, starter, starter holder, power factor improvement condenser and lamp holder	„	2090.00	2565.00
b	Electronic ballast (THD < 10%), and lamp holder	„	2609.00	3154.00
5	Recessed mounting type direct indirect soft light luminaire suitable for use in Armstrong / USG / GRG type false ceiling modules suitable for 2x36 W PL lamp complete with following accessories, main housing of MS sheet of 0.50 mm nominal thickness, stove enameled / power coated outside and inside with concave cover fitted with chrome plated curved ABS lamella louver.			

a	Copper wound ballast, starter, starter holder, power factor improvement condenser and lamp holder	„	2050.00	-
b	Electronic ballast (THD < 10%), and lamp holder	„	2582.00	-
6	Decorative square shaped fluorescent light fittings recessed mounting type suitable for 2 x 36 W CFL complete with following accessories, main housing of MS sheet of 0.50 mm nominal thickness. The aluminium mirror system of high optical efficiency shall be made out of 0.30 mm nominal thickness sheet brightened anodised aluminium with MLC dark light mirror optics .			
a	Copper wound ballast, starter, starter holder, power factor improvement condenser and lamp holder	„	3544.00	-
b	Electronic ballast (THD < 10%), and lamp holder	„	4134.00	-
7	Decorative square shaped fluorescent light fittings recessed mounting type suitable for 2 x 36 W CFL complete with following accessories, main housing of MS sheet of 0.50 mm nominal thickness. The aluminium mirror system of high optical efficiency shall be made out of 0.30 mm nominal thickness sheet brightened anodised aluminium with wide spread mirror optics.			
a	Copper wound ballast, starter, starter holder, power factor improvement condenser and lamp holder	„	3459.00	-
b	Electronic ballast (THD < 10%), and lamp holder	„	4050.00	-
8	Recess mounting direct indirect lighting designer luminaire suitable for 4x14W TL-5 lamp complete with electronic ballast (THD < 10%), and lamp holder, main housing of MS sheet of 0.50 mm nominal thickness, powder coated / stove enameled outside and inside. The aluminium mirror system shall be of high optical efficiency made out of 0.30 mm nominal thickness sheet brightened anodised. This shall be with low glare 3D OLC optics / diffused lighting UFD optics.	„	4826.00	-
9	Recessed mounting type wall washer luminaire suitable for the following types of FTL complete with the following accessories, main housing of MS sheet of 0.50 mm nominal thickness, stove enameled / power coated outside and inside. The aluminium mirror system shall be of high optical efficiency made out of 0.30 mm nominal thickness sheet brightened anodised.			
a	1x36 W FTL complete with copper wound ballast, starter, starter holder, power factor improvement condenser and lamp holder	„	1941.00	-
b	1x36 W FTL complete with electronic ballast (THD < 10%)	„	2346.00	-
c	2x36 W FTL complete with copper wound ballast, starter, starter holder, power factor improvement condenser and lamp holder	„	2447.00	-
d	2x36 W FTL complete with electronic ballast (THD < 10%)	„	2890.00	-

3. Clean room luminaries

Sl. No.	Description	Unit	Rate Rs.
1	Surface / recessed mounting type clean room luminaire suitable for the following types of lamps with electronic ballast (THD < 10%) and lamp holder, main housing of CRCA sheet of 0.50 mm nominal thickness, stove enameled / power coated outside and inside with CRCA front frame and acrylic cover with provision for top / bottom opening. The fitting shall conform to IP 54.		
a	2x36 / 40 W FTL	Each	4219.00

b	2x18 W PL - L lamp	„	2953.00
c	2x36 W PL - L lamp	„	3852.00
2	Surface / recessed mounting type clean room luminaire suitable for the following types of lamps complete with electronic ballast (THD < 10%) and lamp holder, main housing of CRCA sheet of 0.50 mm nominal thickness, stove enameled / power coated outside and inside with SS front frame and toughened cover with provision for top / bottom opening. The fitting shall conform to IP 65.		
a	2x36 W PL - L lamp	„	4333.00
b	3x36 W PL - L lamp	„	4987.00

4. Industrial light fittings

Sl. No.	Description	Unit	Rate Rs.	
			Group A	Group B
1	Single fluorescent lamp rail for industrial luminaire with trough type vitreous enameled reflector black outside and white inside vitreous enameled sheet steel reflector with type industrial rail two sliding clips for easy fixing and removal of reflector and accessories for the following types of fluorescent lamp pre-wired up to the terminal block with controlled light distribution, suitable for direct mounting or suspension, easy access to control gear with energy saving open construction ballast and with power factor improvement capacitor.			
a	Single 36/40 W fluorescent lamp	Each	1156.00	1299.00
b	Twin 36/40 W fluorescent lamp	„	1434.00	1527.00
2	Single fluorescent lamp rail for industrial luminaire with trough type reflector grey outside and white inside stove enameled / powder coated sheet steel reflector fixed on industrial rail two sliding clips for easy fixing and removal of reflector and accessories for the following types of fluorescent lamp pre-wired up to the terminal block with controlled light distribution, suitable for direct mounting or suspension, easy access to control gear with following type of ballast.			
a	Single 36/40 W fluorescent lamp with energy saving open construction ballast and power factor improvement capacitor.	„	734.00	911.00
b	Twin 36/40 W fluorescent lamp with energy saving open construction ballast and power factor improvement capacitor.	„	1099.00	1194.00
c	Single 36/40 W fluorescent lamp with energy saving electronic ballast with THD < 10%	„	886.00	1278.00
d	Twin 36/40 W fluorescent lamp with energy saving electronic ballast with THD < 10%	„	1401.00	1751.00

5. Street light fittings for fluorescent lamps

Sl. No.	Description	Unit	Rate Rs.	
			Group A	Group B
1	Fluorescent street light fittings suitable for the following type of TFL , 240V AC, single phase, 50 Hz, side entry type with transparent acrylic cover made out of 2mm thick sheet complete with copper wound ballast, capacitor, starter, starter holder and lamp holder, duly prewired but without lamp. Gear- cum-reflector tray made of CRCA sheet steel of thickness 0.80mm nominal canopy and made of aluminium sheet of thickness not < 1.25mm and suitable to withstand wind load test. Fittings shall conform to			

	IS 10322 part -V sec.- 3/87, class IIP-53 and suitable for mounting heights of up to 15M with luminous efficiency not < 65%.			
a	Single 36/40 W fluorescent lamp	Each	920.00	1046.00
b	Twin 36/40 W fluorescent lamp	„	1555.00	1628.00

6. Energy conservation T5 lamp roadway lighting luminaire

Sl. No.	Description	Unit	Rate Rs.	
			Group A	Group B
1	Fluorescent street light fittings suitable for the following type of T5 lamp , 240V AC, single phase, 50 Hz, side entry type with transparent acrylic cover made out of 2mm thick sheet complete with electronic ballast (THD < 10%) and lamp holder, duly prewired but without lamp. Gear- cum-reflector tray made of CRCA sheet steel of thickness 0.80 mm nominal and canopy made of MS sheet of thickness not < 0.50 mm and suitable to withstand wind load test. Fittings shall conform to IS 10322 part -V sec.- 3/87, class IIP-53 and suitable for mounting heights of up to 15M with luminous efficiency not < 65%.			
a	1x 14 W T5 lamp	Each	1772.00	-
b	1x 24 W T5 lamp	„	1772.00	-
c	2x 14 W T5 lamp	„	2109.00	-
d	2x 24 W T5 lamp	„	2109.00	-
2	Fluorescent street light fittings suitable for the following type of T5 lamp , 240V AC, single phase, 50 Hz, side entry type with transparent acrylic cover made out of 2mm thick sheet complete with electronic ballast (THD < 10%) and lamp holder, duly prewired but without lamp. Gear- cum-reflector tray made of CRCA sheet steel of thickness 0.80mm nominal and canopy made of aluminium sheet of thickness not < 1.25mm and suitable to withstand wind load test. Fittings shall conform to IS 10322 part -V sec.- 3/87, class IIP-53 and suitable for mounting heights of up to 15M with luminous efficiency not < 65%.			
a	4x 14 W T5 lamp	Each	5138.00	6265.00
b	4x 24 W T5 lamp	„	5721.00	6328.00
3	Fluorescent street light fittings suitable for the following type of T5 lamp , 240V AC, single phase, 50 Hz, side entry type with transparent acrylic cover made out of 2mm thick sheet complete with electronic ballast (THD < 10%) and lamp holder, duly prewired but without lamp. Gear- cum-reflector tray made of CRCA sheet steel of thickness 0.805mm nominal and canopy made of FRP sheet suitable to withstand wind load test. Fittings shall conform to IS 10322 part -V sec.- 3/87, class IIP-53 and suitable for mounting heights of up to 15M with luminous efficiency not < 65%.			
a	4x 14 W T5 lamp	„	6159.00	-
b	4x 24 W T5 lamp	„	6413.00	-

7. Street light fittings with CFL / HID lamps

Sl. No.	Description	Unit	Rate Rs.	
			Group A	Group B
1	2	3	4	5
1	Single piece, deep drawn, integral luminaire for roadway installation, grey powder coated single sheet aluminum housing for lamp & CG accessories, pot optic aluminum reflector, highly transparent acrylic bowl with anti-moth treated felt gasket covering lamp and control gear (IP 54 protection), toggles, control gear for the following type of lamps with ES lamp holder prewired up to the terminal block etc.			

a	70 W SV lamp (tubular)	Each	-	2368.00
b	150 W SV lamp (tubular)	„	3080.00	3455.00
c	250 W SV lamp (tubular)	„	3831.00	4219.00
d	70 W MH lamp	„	-	2303.00
e	150 W MH lamp	„	-	3451.00
f	250 W MH lamp	„	3940.00	4219.00
2	Integral luminaire suitable for roadway installation with sheet aluminum housing in sand blast finish out side, anodised finish inside with sand blasted reflector surface, toughened full glass cover (IP 54) and lamp holder suitable for the following type of lamps pre-wired up to the terminal block, fully vermin & weather proof suitable for uniform light distribution.			
a	85 W retrofit CFL	Each	-	1654.00
b	70W SV lamp	„	2253.00	2472.00
c	150 W SV lamp	„	-	3270.00
d	250 W SV lamp	„	-	3991.00
e	250W MH lamp	„	4312.00	-
3	Single piece integral luminaire suitable for roadway installation with die-cast aluminum housing in powder coated finish with POT optics reflector, highly transparent acrylic bowl with anti-moth treated felt gasket covering lamp and control gear (IP 54 protection), toggles, control gear and lamp holder suitable for the type of lamps lamp pre-wired up to the terminal block etc.			
a	70W SV lamp	Each	2607.00	-
b	150 W SV lamp	„	3831.00	4442.00
c	250 W SV lamp	„	4725.00	5164.00
d	70 W MH lamp	„	2573.00	-
e	150 W MH lamp	„	3831.00	-
f	250 W MH lamp	„	4590.00	-
4	Single piece integral luminaire suitable for roadway installation with die-cast aluminum housing in powder coated finish with POT optics reflector, toughened glass cover (IP 54 protection), toggles, control gear and lamp holder suitable for the following type of lamps pre-wired up to the terminal block etc.		-	
a	70W SV lamp	„	-	3375.00
b	150 W SV lamp	„	-	4598.00
c	250 W SV lamp	„	-	5493.00
1	2	3	4	5
d	400 W SV lamp	„	-	6016.00
e	400 W MH lamp	„	-	6067.00
5	Single piece integral luminaire suitable for roadway installation with die-cast aluminum housing in powder coated finish with POT optics reflector, highly transparent acrylic bowl with anti-moth treated felt gasket covering lamp and control gear (IP 65 protection), toggles, control gear and lamp holder suitable for the following type of lamps pre-wired up to the terminal block etc.			
a	150 W SV lamp	„	5957.00	-
b	250 W SV lamp	„	6244.00	-

c	250W MH lamp	„	6041.00	-
6	Single piece integral luminaire suitable for roadway installation with die-cast aluminium housing in powder coated finish with POT optics reflector, toughened glass cover (IP 65 protection), toggles, control gear and lamp holder suitable for the following type of lamps pre-wired up to the terminal block etc.			
a	85 W retrofit CFL	Each	-	2607.00
b	70W SV lamp	„	2457.00	3071.00
c	150 W SV lamp	„	2742.00	3907.00
d	250 W SV lamp	„	3029.00	4368.00
e	400 W SV lamp	„	4177.00	-
f	70W MH lamp	„	2489.00	-
g	150W MH lamp	„	3628.00	-
h	250W MH lamp	„	3122.00	4382.00
i	400W MH lamp	„	4303.00	-
j	70W CDM-TT lamp	„	-	3071.00
k	150W CDM	„	-	4210.00
l	250W CDM	„	-	4497.00
7	Single piece integral luminaire suitable for roadway installation with die-cast aluminium housing with top opening in powder coated finish with POT optics reflector, toughened glass cover (IP 65 protection), toggles, control gear and lamp holder suitable for the following type of lamps pre-wired up to the terminal block etc.			
a	70W SV lamp	Each	-	3038.00
b	150 W SV lamp	„	-	4911.00
c	250 W SV lamp	„	-	5408.00
d	70W MH lamp	„	-	3206.00
e	250W MH lamp	„	-	5442.00
8	Single piece integral luminaire suitable for roadway installation with pressure die-cast housing and cover with innovative bright anodised aluminium reflector with POT optics, toughened glass cover for lamp compartment (IP 66 protection for lamp compartment only), control gear and lamp holder suitable for the type of lamps pre-wired up to the terminal block etc.			
a	250 W SV lamp	Each	-	9083.00
b	400 W SV lamp	„	-	9146.00
c	250W MH lamp	„	-	9146.00
d	400W MH lamp	„	-	9210.00
1	2	3	4	5
9	Single piece integral luminaire suitable for roadway installation with aerodynamically shaped pressure die-cast housing with POT optics reflector, toughened glass cover (IP 66 protection), toggles, control gear and lamp holder suitable for the type of lamps pre-wired up to the terminal block etc.			
a	150 W SV lamp	„	4978.00	-
b	250 W SV lamp	„	11652.00	13314.00
c	400 W SV lamp	„	11914.00	14825.00
d	600 W SV lamp	„	-	15922.00
e	250W MH lamp	„	11441.00	-
f	400W MH lamp	„	11517.00	-

g	150W CDM-TT lamp	„	4978.00	-
h	250W CDM-TT lamp	„	11652.00	-

8. Flood light fittings

Sl. No.	Description	Unit	Rate Rs.	
			Group A	Group B
1	2	3	4	5
1	Integral halogen flood light luminaire with powder coated die cast aluminium housing, heat resistant toughened clear glass cover, lamp holders, aluminium reflector and the type of lamps			
a	500W halogen lamp.	Each	548.00	595.00
b	1000W halogen lamp.	„	1055.00	1223.00
2	Integral flood light luminaire rectangular shape with powder coated die cast aluminium housing, control gear, aluminium reflector, heat resistant toughened clear glass cover, lamp holders suitable for the following type of lamps prewired up to terminal block, etc.			
a	70W SV lamp	Each	2447.00	3502.00
b	150 W SV lamp	„	3662.00	3932.00
c	250 W SV lamp	„	5358.00	5662.00
d	400 W SV lamp	„	5873.00	6227.00
e	70W MH lamp	„	2447.00	3645.00
f	150W MH lamp	„	3755.00	4269.00
g	250W MH lamp	„	5383.00	5670.00
h	400W MH lamp	„	5898.00	6244.00
3	Integral flood light luminaire rectangular shape with powder coated die cast aluminium housing, symmetrical / asymmetrical light distribution, control gear , aluminium reflector, heat resistant toughened clear glass cover, IP 65 protection , lamp holders suitable for the following type of lamps prewired up to terminal block, etc.			
a	150 W SV lamp	Each	-	3881.00
b	250W SV lamp	„	5063.00	5603.00
c	400 W SV lamp	„	5653.00	6075.00
d	150W MH lamp	„	-	3915.00
e	250W MH lamp	„	5147.00	5468.00
f	400W MH lamp	„	-	5691.00
1	2	3	4	5
4	Integral flood light luminaire rectangular shape with die cast aluminium housing, control gear , rectangular / parabolic reflector , heat resistant toughened glass cover, IP 65 protection , lamp holders suitable for 70W CDM-TD lamp prewired up to terminal block, etc.	Each	-	2616.00
5	Non-integral flood light luminaire rectangular shape with powder coated die cast aluminium housing and option of narrow and wide beam light distribution, separate control gear box , aluminium reflector, heat resistant toughened clear glass cover, lamp holders suitable for the following type of lamps prewired up to terminal block, etc.			
a	150 W SV lamp	Each	-	5577.00

b	250W SV lamp	„	-	5873.00
c	400 W SV lamp	„	-	6573.00
d	250W MH lamp	„	-	5788.00
e	400W MH lamp	„	-	6117.00
6	Non-integral flood light luminaire rectangular shape with powder coated die cast aluminium housing, separate control gear box , scientifically designed face head reflector , heat resistant toughened clear glass cover, IP 66 protection , lamp holders suitable for the following type of lamps prewired up to terminal block, etc.			
a	250W SV lamp	Each	-	6075.00
b	400 W SV lamp	„	-	6750.00
c	250W MH lamp	„	-	6159.00
d	400W MH lamp	„	-	6834.00
7	Non-integral flood light luminaire rectangular shape with powder coated die cast aluminium housing, separate control gear box , scientifically designed face head reflector , heat resistant toughened clear glass cover, IP 65 protection , lamp holders suitable for the following type of lamps prewired up to terminal block, etc.			
a	250W SV lamp	Each	-	11505.00
b	400 W SV lamp	„	-	12880.00
c	1000 W SV lamp	„	-	19069.00
d	Twin 250W MH lamp	„	11281.00	11728.00
e	Twin 400W MH lamp	„	11939.00	13247.00
f	Single 10000W MH lamp	„	-	19238.00
8	Non-integral flood light luminaire round shape deep drawn housing with sand blasted outer surface and anodised inner surface acting as reflector, separate control gear box , lamp holders suitable for the lamps prewired up to terminal block, etc.			
a	250W SV lamp	Each	-	4894.00
b	400 W SV lamp	„	-	5738.00
c	250W MH lamp	„	-	5063.00
d	400W MH lamp	„	-	5906.00
9	Non-integral flood light luminaire round shape die cast aluminium housing with anodised inner surface acting as reflector, separate control gear box , heat resistant toughened clear glass cover, lamp holders suitable for the following type of lamps prewired up to terminal block, etc.			
a	250W SV lamp	Each	5505.00	6695.00
b	400 W SV lamp	„	6147.00	7395.00
c	250W MH lamp	„	-	6286.00
d	400W MH lamp	„	-	6885.00

9. Accessories for CFL, Dichroic and HID light fittings

Sl. No.	Description	Unit	Rate Rs.
A	Lamp holders		
1	G23 / 2G7 for PL 5 / 7 / 9 / 11W 2 pin / 4pin CFL	„	8.10
2	G24d1 / G24d2 for PL 13 / 18W CFL	„	11.00
3	2G11 for PLL 18 / 36 W CFL	„	18.00
4	MR16 Halogen holder	„	7.20
5	70 / 500W RX7s holder with frame	„	43.00
6	150 / 1000W RX7s holder with frame	„	48.50
7	RX7s Holder for MH lamp only	„	29.50

8	G-12 holder for Metal Halide	„	81.00
B	Electromagnetic ballasts		
1	Copper Ballast for 7, 9, & 11W CFL	Each	134.00
2	Copper Ballast for 10, & 13W CFL	„	135.00
3	Copper Ballast for 18 / 26 W CFL	„	139.00
4	Copper Ballast for 36W CFL	„	213.00
5	Copper Ballast for 12V 1 x 50W, 12 V 1 x 35W Dichroic	„	252.00
6	Electronic choke for 9W / 10 / 11 / 13 W CFL	„	226.00
7	Electronic choke for 18W CFL	„	231.00
8	Electronic choke for 24W CFL	„	344.00
9	Electronic choke for 12V 1 x 50W, 12 V 1 x 35W Dichroic	„	245.00
10	Electronic choke for 12V 2 x 20W Dichroic	„	225.00
C	Choke for HID lamps		
1	Copper Ballast 80 W MV Lamp	„	629.00
2	Copper Ballast 125 W MV Lamp	„	704.00
3	Copper Ballast 250 W MV Lamp	„	1094.00
4	Copper Ballast 400 W MV Lamp	„	1522.00
5	Copper Ballast 1000 W MV Lamp	„	3240.00
6	Copper Ballast 70 W Sodium / MH	„	725.00
7	Copper Ballast 100 W Sodium	„	800.00
8	Copper Ballast 150 W Sodium / MH	„	1041.00
9	Copper Ballast 250 W Sodium / MH	„	1401.00
10	Copper Ballast 400 W Sodium / MH	„	1894.00
11	Copper Ballast 1000 W Sodium	„	3665.00
12	Copper Ballast 35 W CDMR	„	719.00
13	Copper Ballast 70 W Sodium / MH / CDMR	„	921.00
14	Copper Ballast 150 W Sodium / MH / CDMR	„	1164.00
15	Copper Ballast 250 W Sodium / MH / CDMR	„	1499.00
16	Electronic Ballast for 20 W MH / CDMR	„	3443.00
17	Electronic Ballast for 35 W MH / CDMR	„	2835.00
18	Electronic Ballast for 70 W MH / CDMR	„	2835.00
D	Electronic Ignitor		
1	Electronic Ignitor for 70 / 150 W Sodium / MH	„	233.00
2	Electronic Ignitor for 250 / 400 W Sodium	„	223.00
3	Electronic Ignitor for 1000 W Sodium / 1800 W MH	„	942.00
4	Electronic Ignitor for 250 / 400 W MV	„	476.00
5	Electronic Ignitor for 1000 / 2000 W MV	„	476.00
6	Electronic Ignitor for 26 / 35 / 36 / 55 W Low pressure Sodium	„	942.00
E	Capacitors for HID lamps		
1	6.5 mfd 440 V	„	51.00
2	5 mfd 250 V	„	61.00
3	4 mfd 250 V	„	96.00
4	8 mfd 250 V	„	132.00
5	10 mfd 250 V	„	162.00
6	12 mfd 250 V	„	106.00
7	15 mfd 250 V	„	203.00
8	20 mfd 250 V	„	276.00
9	33 mfd 250 V	„	446.00
10	42 mfd 250 V	„	496.00

PART IX**FANS AND ACCESSORIES**

(For details of grouping under this part, refer annexure III)

1. Ceiling fans, wall fans and exhaust fans.

Sl. No.	Description	Unit	Rate Rs.	
A	Ceiling fan, complete with 300mm down rod, canopies, shackles and blades and resistance type regulator working on 230/240V single phase A/C		Category A	Category B
1	900 mm sweep	Each	971.00	1247.00
2	1050 mm sweep	„	974.00	-
3	1200 mm sweep	„	980.00	1283.00
4	1400 mm sweep	„	1049.00	1377.00
5	Resistance type regulator	„	47.00	
6	Ball bearing	„	102.00	
7	Bush bearing	„	45.00	
8	Rubber shackle	„	5.00	
9	Split pin / cotter pin	„	2.00	
B	Wall Mounting fan			
1	300 mm sweep	„	1349.00	
2	400 mm sweep	„	1349.00	
C	Light Duty Exhaust fan in plastic body with self opening lowers working on 230V single phase A/C			
1	150 mm sweep	„	898.00	
2	200 mm sweep	„	990.00	
3	250 mm sweep	„	1040.00	
D	Light Duty Exhaust fan in metal frame working on 230 V A/C		Category A	Category B
1	225 mm sweep	„	865.00	1235.00
2	300 / 305 mm sweep	„	924.00	1335.00
E	Heavy Duty Exhaust fan working on 230 V A/C		900 rpm	1400 rpm
1	305 mm sweep	„	1886.00	1886.00
2	380 mm sweep	„	1886.00	2311.00
3	450 mm sweep	„	2844.00	3146.00

2. Capacitors for fans & motors.

Sl. No.	Capacitor value in mfd.	Unit	Rate Rs.	Sl. No.	Capacitor value in mfd.	Unit	Rate Rs.
1	1.00	Each	19.00	11	5.00	Each	67.50
2	1.50	„	23.00	12	6.00	„	82.00
3	1.80	„	23.00	13	8.00	„	97.00
4	2.00	„	23.00	14	10.00	„	100.00
5	2.25	„	26.00	15	12.50	„	110.00
6	2.50	„	28.00	16	15.00	„	132.00
7	3.00	„	38.00	17	20.00	„	143.00
8	3.15	„	38.00	18	25.00	„	165.00
9	3.80	„	47.50	19	30.00		176.00
10	4.00	„	53.50	20	36.00	„	198.00

PART X**M.C.B DISTRIBUTION BOARDS AND ACCESSORIES**

(For details of grouping under this part, refer annexure IV)

1. Sheet steel, phosphatised and painted enclosure for independent mounting of MCBs / RCCBs / RCBOs

Sl. No.	Description	Unit	Rate Rs.	
			Group A	Group B
1	SP Enclosure	Each	95.50	153.00
2	DP Enclosure	„	104.00	209.00
3	TP Enclosure	„	113.00	224.00
4	FP Enclosure	„	123.00	231.00
5	6 way Enclosure	„		363.00
6	FP RCBO Enclosure	„		418.00

2. Single phase sheet steel phosphatised painted MCB DB's with bus bar, neutral link, earth bus and DIN rail (without MCB / Isolator) conforming to IS 13032 and IS 8623.**2A. (Single Cover DB)**

Sl. No.	Description	Unit	Rate Rs.	
			Single Cover (IP 20)	
			Group A	Group B
1	4 way	Each	240.00	410.00
2	6 way	„	243.00	407.00
3	8 way	„	312.00	503.00
4	10 way	„	350.00	495.00
5	12 way	„	410.00	626.00
6	16 way	„	508.00	739.00

2B. (Double Cover DB)

Sl. No.	Description	Unit	Rate Rs.					
			Double cover (IP 42 / 43)		Double cover (IP 54)		Double cover with Acrylic cover (IP 43)	
			Group A	Group B	Group A	Group B	Group A	Group B
1	4 way	Each	410.00	619.00	-	1655.00	-	745.00
2	6 way	„	407.00	704.00	-		-	
3	8 way	„	503.00	791.00	-	1947.00	-	877.00
4	10 way	„	495.00	928.00	-		-	
5	12 way	„	626.00	947.00	-	2246.00	-	1061.00
6	16 way	„	739.00	1165.00	-	2489.00	-	1312.00

3. **Three phase MCB distribution board for single phase outgoing, sheet steel phosphatised and painted with bus bar neutral link, earth bar and DIN rail (without MCB / Isolator) conforming to IS 13032 and IS 8623.**

3A. (Single Cover DB)

Sl. No.	Description	Unit	Rate Rs.	
			Single Cover (IP 20)	
			Group A	Group B
1	4 way (8 + 12)	Each	773.00	1104.00
2	6 way (8 + 18)	„	931.00	1379.00
3	8 way (8 + 24)	„	1075.00	1611.00
4	12 way (8 + 36)	„	1474.00	2315.00
5	16 way (8 + 48)	„		3102.00

3B. (Double Cover DB)

Sl. No.	Description	Unit	Rate Rs.					
			Double cover (IP 42 / 43)		Double cover (IP 54)		Double cover with Acrylic cover (IP 43)	
			Group A	Group B	Group A	Group B	Group A	Group B
1	4 way (8 + 12)	Each	1138.00	1496.00	-	3948.00	1297.00	1734.00
2	6 way (8 + 18)	„	1426.00	1892.00	-	4752.00	1640.00	2152.00
3	8 way (8 + 24)	„	1754.00	2209.00	-	5198.00	2027.00	2550.00
4	12 way (8 + 36)	„	2429.00	3201.00	-	7263.00	2751.00	3823.00
5	16 way (8 + 48)	„		4168.00	-	8715.00	-	4780.00

- 4.A. **TPN Vertical DBs with provision for fixing 4P MCB / isolator / RCCB / RCBO as incomer and SP / TP MCB as out going.**

4.A. 1. (Single cover DB)

Sl. No.	Description	Unit	Rate Rs.	
			Single Cover (IP 20)	
			Group A	Group B
1	4 way (8 + 12)	Each	1849.00	3115.00
2	6 way (8 + 18)	„		3354.00
3	8 way (8 + 24)	„	2480.00	3725.00
4	12 way (8 + 36)	„	3160.00	4934.00

4.A. 2. (Double cover DB)

Sl. No.	Description	Unit	Rate Rs.					
			Double cover (IP 42 / 43)		Double cover (IP 54)		Double cover with Acrylic cover (IP 43)	
			Group A	Group B	Group A	Group B	Group A	Group B
1	4 way (8 + 12)	Each	2637.00	3570.00	-	6508.00	-	4106.00
2	6 way (8 + 18)	„		4020.00	-		-	4603.00
3	8 way (8 + 24)	„	3392.00	4505.00	-	7898.00	-	5133.00
4	12 way (8 + 36)	„	4229.00	6009.00	-	10523.00	-	6909.00

4.B. TPN Vertical DBs with 4P isolator and provision for fixing RCCB / RCBO as incomer and SP / TP MCB as out going.

Sl. No.	Description	Unit	(Group A) Rate Rs.			
			Single Cover with 63 A isolator	Single Cover with 100 A isolator	Double cover with 63 A isolator	Double cover with 100 A isolator
1	4 way (8 + 12)	Each	2481.00	2321.00	3304.00	2990.00
2	8 way (8 + 24)	„	3185.00	2967.00	3686.00	3731.00
3	12 way (8 + 36)	„	3863.00	3611.00	4824.00	4599.00

4.C. TPN Vertical DBs with provision for fixing 100 A / 125 A / 160 A TP MCCB and ELM as incomer and SP / TP MCB as out going.**4.C. 1. (Single cover DB)**

Sl. No.	Description	Unit	Rate Rs.	
			Single Cover (IP 20)	
			Group A	Group B
1	4 way (4 + 12)	Each	2271.00	3456.00
2	6 way (4 + 18)	„		3767.00
3	8 way (4 + 24)	„	3001.00	4272.00
4	12 way (4 + 36)	„	3666.00	6237.00

4.C. 2. (Double cover DB)

Sl. No.	Description	Unit	Rate Rs.			
			Double cover (IP 42 / 43)		Double cover (IP 54)	
			Group A	Group B	Group A	Group B
1	4 way (4 + 12)	Each	3159.00	4073.00	-	7489.00
2	6 way (4 + 18)	„		4639.00	-	
3	8 way (4 + 24)	„	3620.00	5195.00	-	9082.00
4	12 way (4 + 36)	„	4344.00	7060.00	-	12090.00

4.D. TPN Vertical DBs with provision for fixing 200 / 250 A TP MCCB and ELM as incomer and SP / TP MCB as out going.

Sl. No.	Description	Unit	(Group B) Rate Rs.		
			Single Cover (IP 20)	Double cover (IP 42 / 43)	Double cover (IP 54)
1	4 way (4 + 12)	Each	6525.00	6558.00	10564.00
2	6 way (4 + 18)	„		6151.00	
3	8 way (4 + 24)	„	7260.00	8357.00	12148.00
4	12 way (4 + 36)	„	8019.00	9221.00	13971.00

4.E. TPN Vertical DBs double cover, metal (IP 42 / 43) with TP MCCB as incomer and provision for fixing SP / TP MCB as out going.

Sl. No.	Description	Unit	(Group A) Rating of incomer MCCB					
			80 A MCCB		100 A MCCB		125 A MCCB	
			10 kA	16 kA	10 kA	16 kA	10 kA	16 kA
1	4 way (4 + 12)	„	4150.00	4566.00	4093.00	4363.00	5184.00	5483.00
2	8 way (4 + 24)	„	4534.00	4989.00	4506.00	4769.00	5567.00	5905.00
3	12 way (4 + 36)	„	5210.00	5642.00	5161.00	5389.00	6243.00	6562.00

5.A. Flexy DBs 13 module per row.

Sl. No.	Description	Unit	(Group B) Rate Rs.		
			Single Cover (IP 20)	Double cover (IP 43)	Double cover with Acrylic cover (IP 43)
1	2 row of 13 modules	Each	1578.00	1931.00	10564.00
2	3 row of 13 modules	„	1856.00	2272.00	12148.00
3	4 row of 13 modules	„	2131.00	2562.00	13971.00

5.B. Surface mounting Flexy DBs 18 module per row.

Sl. No.	Description	Unit	(Group B) Rate Rs.		
			(IP 30)	Transparent door (IP 30)	Metal door (IP 30)
1	1 row of 18 modules	Each	1649.00	915.00	915.00
2	2 row of 18 modules	„	3143.00	1225.00	1225.00
3	3 row of 18 modules	„	4273.00	1709.00	1709.00
4	4 row of 18 modules	„	6039.00	2242.00	2242.00

5.C. Flush mounting Flexy DB with transparent door and 18 modules per row – IP 40.

Sl. No.	Description	Unit	(Cat B) Rate Rs.	
			Transparent door (IP 40)	Metal door (IP 40)
1	2 row of 18 modules	Each	3107.00	3107.00
2	3 row of 18 modules	„	4157.00	4157.00
3	4 row of 18 modules	„	5901.00	5901.00

6.A. Cable end boxes for DBs

Sl. No.	Description	Unit	Rate Rs.					
			SPN DBs			TPN DBs		
			IP 20 DBs		IP 43 DBs	IP 20 DBs		IP 43 DBs
			Group A	Group B	Group B	Group A	Group B	Group B
1	4 way DB	Each	166.00	211.00	245.00	270.00	274.00	316.00
2	6 way DB	„				302.00	367.00	422.00
3	8 way DB	„	202.00	245.00	283.00	390.00	380.00	443.00
4	12 way DB	„	241.00	198.00	316.00	553.00	688.00	789.00
5	16 way DB	„	319.00	380.00	443.00		907.00	1042.00

6.B. Cable end boxes for VDBs, MCCB DBs, Flexy DBs etc.

Sl. No.	Description	Unit	Rate Rs.	
			IP 20 DBs	IP 43 DBs
			Group B	Group B
1	For all VDBs	Each	274.00	316.00
2	For all VDB with MCCB as incomer	„	1013.00	1139.00
3	For all Flexy DBs	„	274.00	316.00

6.C. Pin type / Fork type Insulated supply bus bars 100 A.

Sl. No.	Description	No. of devices connected	No. of modules	Unit	Rate Rs.
1	SP incoming and SP out going	13	13	Each	169.00
2	SP incoming and SP out going	57	57	„	641.00
3	SPN incoming and SPN out going	6	12	„	281.00
4	SPN incoming and SPN out going	28	56	„	1199.00
5	TPN incoming and SPN out going	5	12	„	722.00
6	TPN incoming and SPN out going	27	56	„	2932.00
7	TP incoming and TP out going	4	12	„	299.00
8	TP incoming and TP out going	19	57	„	2932.00
9	4P incoming and 4P out going	3	12	„	722.00
10	4P incoming and 4P out going	14	56	„	2932.00
	Accessories				
1	End cap for SP			„	5.60
2	End cap for DP & TP			„	13.50
3	End cap for 4P			„	18.00

7. MCB and Isolators**7.A. Single pole MCB 10 kA (IS : 8828 – 1995/IEC 60898)**

Sl. No.	MCB Rating	Unit	Rate Rs.					
			‘B Curve’		‘C Curve’		‘D Curve’	
			Group A	Group B	Group A	Group B	Group A	Group B
1	0.50 A	Each	132.00	184.00	126.00	191.00	171.00	200.00
2	1 A	„	132.00	184.00	126.00	192.00	171.00	200.00

3	1.60 A	„	132.00	184.00	126.00	192.00	171.00	200.00
4	2 A	„	132.00	184.00	126.00	192.00	171.00	200.00
5	3 A	„	132.00	184.00	126.00	192.00	171.00	200.00
6	4 A	„	132.00	184.00	126.00	192.00	171.00	200.00
7	6 A	„	84.00	134.00	90.00	138.00	154.00	167.00
8	10 A	„	84.00	134.00	90.00	138.00	154.00	167.00
9	16 A	„	84.00	134.00	90.00	138.00	154.00	167.00
10	20 A	„	84.00	134.00	90.00	138.00	154.00	167.00
11	25 A	„	84.00	134.00	90.00	138.00	154.00	167.00
12	32 A	„	84.00	134.00	90.00	138.00	154.00	167.00
13	40 A	„	171.00	270.00	179.00	278.00	229.00	297.00
14	50 A	„	224.00	275.00	212.00	284.00	249.00	299.00
15	63 A	„	224.00	275.00	212.00	284.00	249.00	299.00
16	80 A	„	941.00		991.00	1163.00		
17	100 A	„	1000.00		1053.00	1230.00		

7.B. Double pole MCB 10 kA (IS : 8828 – 1995/IEC 60898)

Sl. No.	MCB Rating	Unit	Rate Rs.					
			‘B Curve’		‘C Curve’		‘D Curve’	
			Group A	Group B	Group A	Group B	Group A	Group B
1	0.50 A	Each	369.00	514.00	348.00	518.00	398.00	538.00
2	1 A	„	369.00	514.00	348.00	518.00	398.00	538.00
3	1.60 A	„	369.00	514.00	348.00	518.00	398.00	538.00
4	2 A	„	369.00	514.00	348.00	518.00	398.00	538.00
5	3 A	„	369.00	514.00	348.00	518.00	398.00	538.00
6	4 A	„	369.00	514.00	348.00	518.00	398.00	538.00
7	6 A	„	285.00	383.00	288.00	390.00	332.00	405.00
8	10 A	„	285.00	383.00	288.00	390.00	332.00	405.00
9	16 A	„	285.00	383.00	288.00	390.00	332.00	405.00
10	20 A	„	285.00	383.00	288.00	390.00	332.00	405.00
11	25 A	„	285.00	383.00	288.00	390.00	332.00	405.00
12	32 A	„	285.00	383.00	288.00	390.00	332.00	405.00
13	40 A	„	394.00	616.00	390.00	628.00	466.00	648.00
14	50 A	„	500.00	625.00	467.00	631.00	505.00	655.00
15	63 A	„	500.00	625.00	467.00	631.00	505.00	655.00
16	80 A	„	1823.00		1823.00	2303.00		
17	100 A	„	1941.00		1941.00	2378.00		

7.C. Triple pole MCB 10 kA (IS : 8828 – 1995/IEC 60898)

Sl. No.	MCB Rating	Unit	Rate Rs.					
			‘B Curve’		‘C Curve’		‘D Curve’	
			Group A	Group B	Group A	Group B	Group A	Group B
1	0.50 A	Each	507.00	739.00	475.00	815.00	563.00	810.00
2	1 A	„	507.00	739.00	475.00	815.00	563.00	810.00
3	1.60 A	„	507.00	739.00	475.00	815.00	563.00	810.00
4	2 A	„	507.00	739.00	475.00	815.00	563.00	810.00
5	3 A	„	507.00	739.00	475.00	815.00	563.00	810.00
6	4 A	„	507.00	739.00	475.00	815.00	563.00	810.00
7	6 A	„	454.00	600.00	425.00	638.00	512.00	634.00

8	10 A	„	454.00	600.00	425.00	638.00	512.00	634.00
9	16 A	„	454.00	600.00	425.00	638.00	512.00	634.00
10	20 A	„	454.00	600.00	425.00	638.00	512.00	634.00
11	25 A	„	454.00	600.00	425.00	638.00	512.00	634.00
12	32 A	„	454.00	600.00	425.00	638.00	512.00	634.00
13	40 A	„	625.00	927.00	585.00	908.00	674.00	998.00
14	50 A	„	731.00	933.00	678.00	987.00	793.00	1020.00
15	63 A	„	731.00	933.00	678.00	987.00	793.00	1020.00
16	80 A	„	2639.00		2542.00	3495.00		
17	100 A	„	2830.00		2715.00	3560.00		
18	125 A	„			2925.00			

7.D. Four pole MCB 10 kA (IS : 8828 – 1995/IEC 60898)

Sl. No.	MCB Rating	Unit	Rate Rs.					
			‘B Curve’		‘C Curve’		‘D Curve’	
			Group A	Group B	Group A	Group B	Group A	Group B
1	0.50 A	Each	763.00	998.00	707.00	1035.00	774.00	1066.00
2	1 A	„	763.00	998.00	707.00	1035.00	774.00	1066.00
3	1.60 A	„	763.00	998.00	707.00	1035.00	774.00	1066.00
4	2 A	„	763.00	998.00	707.00	1035.00	774.00	1066.00
5	3 A	„	763.00	998.00	707.00	1035.00	774.00	1066.00
6	4 A	„	763.00	998.00	707.00	1035.00	774.00	1066.00
7	6 A	„	652.00	821.00	617.00	855.00	684.00	869.00
8	10 A	„	652.00	821.00	617.00	855.00	684.00	869.00
9	16 A	„	652.00	821.00	617.00	855.00	684.00	869.00
10	20 A	„	652.00	821.00	617.00	855.00	684.00	869.00
11	25 A	„	652.00	821.00	617.00	855.00	684.00	869.00
12	32 A	„	652.00	821.00	617.00	855.00	684.00	869.00
13	40 A	„	842.00	1220.00	788.00	1268.00	934.00	1294.00
14	50 A	„	974.00	1234.00	905.00	1281.00	985.00	1317.00
15	63 A	„	974.00	1234.00	905.00	1260.00	985.00	1317.00
16	80 A	„	3620.00		3620.00	4879.00		
17	100 A	„	3817.00		3817.00	5004.00		

7.E. Mini break isolators

Sl. No.	Rating	Unit	Rate Rs.					
			Double pole		Triple pole		Four pole	
			Group A	Group B	Group A	Group B	Group A	Group B
1	25 A	Each	-	197.00	-	296.00	-	390.00
2	32 A	„	-	228.00	-	374.00	-	433.00
3	40 A	„	163.00	238.00	306.00	409.00	373.00	525.00
4	63 A	„	211.00	308.00	338.00	468.00	391.00	576.00
5	80 A	„	272.00	346.00	428.00	516.00	507.00	633.00
6	100 A	„	273.00	399.00	430.00	553.00	509.00	659.00
7	125 A	„	300.00	371.00	449.00	595.00	534.00	713.00

7.F. RCBO 30 mA (earth leakage, over load & short circuit protection)

Sl. No.	Rating	Unit	Rate Rs.					
			Double pole RCBO				Four pole RCBO	
			2 module		4 module		8 module	
			Group A	Group B	Group A	Group B	Group A	Group B
1	6 A	Each	-	1881.00		1750.00	-	
2	10 A	„	-	1881.00		1750.00	-	
3	16 A	„	-	1881.00	1076.00	1750.00	-	2339.00
4	20 A	„	-	1881.00		-	-	
5	25 A	„	-	1873.00		1750.00	-	2451.00
6	32 A	„	-	2044.00	1128.00	1927.00	-	2451.00
7	40 A	„	-	2414.00	1177.00	2240.00	-	2481.00
8	50 A	„	-		1443.00		-	
9	63 A	„	-			2573.00	-	2946.00

7.G. RCBO 100 mA (earth leakage, over load & short circuit protection)

Sl. No.	Rating	Unit	Rate Rs.					
			Double pole RCBO				Four pole RCBO	
			2 module		4 module		8 module	
			Group A	Group B	Group A	Group B	Group A	Group B
1	6 A	Each	-	2190.00		2130.00	-	
2	10 A	„	-	2190.00		2130.00	-	
3	16 A	„	-	2190.00	1125.00	2130.00	-	2616.00
4	20 A	„	-			-	-	
5	25 A	„	-	2190.00		2130.00	-	2616.00
6	32 A	„	-	2303.00	1183.00	2130.00	-	2616.00
7	40 A	„	-		1219.00	2390.00	-	2670.00
8	50 A	„	-		1515.00		-	
9	63 A	„	-			2746.00	-	3071.00

7.H. RCBO 300 mA (earth leakage, over load & short circuit protection)

Sl. No.	Rating	Unit	Rate Rs.					
			Double pole RCBO				Four pole RCBO	
			2 module		4 module		8 module	
			Group A	Group B	Group A	Group B	Group A	Group B
1	6 A	Each	-	2046.00		-	-	
2	10 A	„	-	2046.00		-	-	
3	16 A	„	-	2046.00	1125.00	2130.00	-	2616.00
4	20 A	„	-	2046.00		-	-	
5	25 A	„	-	2043.00		2130.00	-	2607.00
6	32 A	„	-	2122.00	1183.00	2130.00	-	2607.00

7	40 A	„	-	2466.00	1219.00	2390.00	-	2668.00
8	50 A	„	-		1515.00		-	
9	63 A	„	-			2746.00	-	3073.00

**7.I. Double pole RCBO (Hpi earth leakage, over load & short circuit protection) 30mA
(Enhanced immunity to unwanted tripping in environments with disturbances.)**

Eg: DG sets, computers, printers, thyristers etc.

Sl. No.	Rating	Unit	Rate Rs.
			Double pole RCBO 2 module
			30 mA
1	25 A	Each	4268.00
2	32 A	„	4489.00
3	40 A	„	5299.00

7.J. RCCB 30 mA (earth leakage protection)

Sl. No.	Rating	Unit	Rate Rs.			
			Double pole RCCB		Four pole RCCB	
			Group A	Group B	Group A	Group B
1	16 A	Each	1030.00			
2	25 A	„	1062.00	1459.00	1348.00	1905.00
3	32 A	„	1092.00			
4	40 A	„	1158.00	1710.00	1380.00	1955.00
5	63 A	„	1483.00	1975.00	1601.00	2270.00
6	80 A	„	2288.00	3313.00	2529.00	3560.00
7	100 A	„	2457.00	3676.00	2594.00	3901.00
8	125 A	„	3686.00		3959.00	

7.K. RCCB 100 mA (earth leakage protection)

Sl. No.	Rating	Unit	Rate Rs.			
			Double pole RCCB		Four pole RCCB	
			Group A	Group B	Group A	Group B
1	16 A	Each	1001.00			
2	25 A	„	1054.00	1497.00	1328.00	1960.00
3	32 A	„	1073.00			
4	40 A	„	1158.00	1780.00	1363.00	2033.00
5	63 A	„	1451.00	2050.00	1576.00	2354.00
6	80 A	„	2288.00	3541.00	2529.00	4457.00
7	100 A	„	2457.00	4010.00	2594.00	5539.00
8	125 A	„	3686.00		3959.00	

7.L. RCCB 300 mA (earth leakage protection)

Sl. No.	Rating	Unit	Rate Rs.			
			Double pole RCCB		Four pole RCCB	
			Group A	Group B	Group A	Group B
1	16 A	Each	1001.00			
2	25 A	„	1054.00	1518.00	1326.00	1985.00
3	32 A	„	1073.00			
4	40 A	„	1158.00	1783.00	1359.00	2035.00
5	63 A	„	1451.00	2050.00	1572.00	2531.00
6	80 A	„	2288.00	3542.00	2529.00	4006.00
7	100 A	„	2457.00	5126.00	2594.00	4358.00
8	125 A	„	3686.00		3959.00	

7.M. RCCB (Hpi earth leakage protection)
(Enhanced immunity to unwanted tripping in environments with disturbances.)
Eg: DG sets, computers, printers, thyristers etc.

Sl. No.	Rating	Unit	Rate Rs.			
			Double pole		Four pole	
			30 mA	300 mA	30 mA	300 mA
1	25 A	Each	1985.00	2781.00	3267.00	3101.00
2	40 A	„	3049.00	2903.00	3335.00	3141.00
3	63 A	„	3159.00	3039.00	3474.00	3373.00
4	80 A	„	3520.00	3439.00	3904.00	4046.00

7.N. RCD add-on blocks (To be fitted with 2 & 4 pole MCBs and complete unit provides protection against over load, short circuit and earth leakage.)

Sl. No.	Rating	Unit	Rate Rs.					
			Double pole			Four pole		
			30 mA	100 mA	300 mA	30 mA	100 mA	300 mA
1	25 A	Each	1350.00	1679.00	1679.00	1565.00	1713.00	1713.00
2	32 A	„	1193.00	1519.00	1519.00	1410.00	1530.00	1530.00
3	63 A	„	1561.00	1655.00	1655.00	1599.00	1684.00	1684.00
4	100 A	„	3015.00		3191.00	4283.00		4451.00

7.O. Common Accessories for MCBs / Isolators / RCDs

Sl. No.	Description	Unit	Rate Rs.
1	Shunt trip 12 to 48 V AC / DC 1 Module	Each	1221.00
2	Shunt trip 110 to 415 V AC & 110 to 125 V DC 1 Module	„	1221.00
3	Remote Control for DP / TP / FP MCBs. Auxiliary change over and fault signaling change over incorporated. 230 V AC 3 M	„	13092.00

8.A. Voltage surge protectors (Protects supply against transient micro surges of 8 / 20 μ s.)

Sl. No.	Description	Unit	Rate Rs.			
			1 Pole 1 module	2 Pole 2 module	3 Pole 3 module	4 Pole 4 module
1	High protection VSPs 230 / 400 V AC (I _{max} 70 kA, UP 1.4 KV protection level)	Each	3559.00	6499.00	9529.00	12466.00
2	Increased protection VSPs 230 / 400 V AC	„	3122.00	5678.00		10675.00

	(I _{max} 40 kA, UP 1.4 KV protection level)					
3	Standard protection VSPs 230 / 400 V AC (I _{max} 15 kA, UP 1.2 KV protection level)	„	2496.00	4543.00		8542.00

8.B. Accessories for voltage surge protectors

Sl. No.	Description	Unit	Rate Rs.
1	For High protection VSPs	Each	2530.00
2	For increased protection VSPs	„	1936.00
3	For Standard protection VSPs	„	1549.00

9. Voltage surge protectors for telephone lines (Protects supply against transient micro surges of 8 / 20 μ s.)

Sl. No.	Description	Unit	Rate Rs.
1	For Analogue telephone line	Each	4399.00
2	For digital telephone line	„	3941.00

10. Change Over switches suitable for mounting on MCB DB

Sl. No.	Rating	Unit	Rate Rs.		2 pole 2 way with centre OFF		4 pole 2 way with centre OFF	
			Single pole 2 way 250 V AC	2 pole 2 way 400 V AC	Group A	Group B	Group A	Group B
			1	20 A	Each	544.00	1131.00	
2	25 A	„			499.00	671.00	875.00	
3	40 A	„			711.00	1016.00	1340.00	1208.00
4	63 A	„			921.00		1580.00	

11. Power Contactors suitable for mounting on MCB DB

Sl. No.	Description	Unit	Rate Rs.
1	Nominal rating 16 A – 2 NO – 2 pole	Each	726.00
2	Nominal rating 20 A – 2 NO – 2 pole	„	765.00
3	Nominal rating 20 A – 2 NC – 2 pole	„	809.00
4	Nominal rating 25 A – 1 NO – 1 pole	„	747.00
5	Nominal rating 25 A – 2 NO – 2 pole	„	835.00
6	Nominal rating 25 A – 3 NO – 3 pole	„	1139.00
7	Nominal rating 25 A – 4 NO – 4 pole	„	1320.00
8	Nominal rating 40 A – 2 NO – 2 pole	„	1355.00
9	Nominal rating 40 A – 3 NO – 3 pole	„	2076.00
10	Nominal rating 40 A – 4 NO – 4 pole	„	2375.00
11	Nominal rating 63 A – 2 NO – 2 pole	„	2261.00
12	Nominal rating 63 A – 3 NO – 3 pole	„	2755.00
13	Nominal rating 63 A – 4 NO – 4 pole	„	2575.00
14	Nominal rating 63 A – 2 NO + 2 NC – 4 pole	„	3417.00

12.A. Ammeters suitable for mounting on MCB DB

Sl. No.	Description	Unit	Rate Rs.
1	Direct connection to AC / DC (0 to 30 A)	Each	2098.00

	4 module		
2	Connected using a - / 5 A CT. To be fitted with appropriate dia.- 4 module	„	2089.00
3	Measuring dial for ammeters.	„	137.00

12.B. CT s for Ammeter suitable for mounting on MCB DB

Sl. No.	CT Ratio	Unit	Rate Rs.
1	50 / 5	Each	979.00
2	100 / 5	„	1118.00
3	150 / 5	„	1103.00
4	200 / 5	„	1326.00
5	250 / 5	„	1009.00
6	300 / 5	„	1385.00
7	400 / 5	„	1385.00
8	600 / 5	„	1385.00
9	800 / 5	„	2071.00
10	1000 / 5	„	2341.00
11	1200 / 5	„	2341.00

12.C. Volt meters and Selector switches suitable for mounting on MCB DB

Sl. No.	Description	Unit	Rate Rs.
1	0 to 500 V AC / DC - 4 M analogue type	Each	2095.00
2	1 to 500 V / 0 to 1200 A AC - 4 M Digital Ammeter / Volt meter	„	5699.00
3	4 position Ammeter Selector switch – 3M	„	1951.00
4	5 position Volt meter Selector switch – 3M	„	1272.00
5	7 position Volt meter Selector switch – 3M	„	1903.00

13.A. MPCBs (Protection against overload and short circuit to 3 phase motors)

Sl. No.	Nominal Rating	Adjustable thermal range	Unit	Rate Rs.
1	0.16 A	0.10 – 0.16 A	Each	1932.00
2	0.2 A	0.14 – 0.2 A	„	2008.00
3	0.25 A	0.16 / 0.18 – 0.25 A	„	1932.00
4	0.32 A	0.22 – 0.32 A	„	2008.00
5	0.40 A	0.28 – 0.40 A	„	2008.00
6	0.50 A	0.35 – 0.50 A	„	2008.00
7	0.60 / 0.63 A	0.40 / 0.45 – 0.63 A	„	1932.00
8	0.80 A	0.55 – 0.80 A	„	2008.00
9	1.0 A	0.63 / 0.70 – 1.0 A	„	1932.00
10	1.25 A	0.90 – 1.125 A	„	2299.00
11	1.6 A	1.0 / 1.10 – 1.6 A	„	2496.00
12	2 A	1.40 – 2 A	„	2299.00
13	2.5 A	1.6 / 1.8 – 2.5 A	„	2496.00
14	3.20 A	2.20 – 3.20 A	„	2299.00

15	4 A	2.5 / 2.8 – 4 A	„	2496.00
16	5 A	3.5 – 5 A	„	2299.00
17	6.3 A	4.0 / 4.5 – 6.3 A	„	2496.00
18	8 A	5 – 8 A	„	2531.00
19	10 A	6 / 7 – 10 A	„	2728.00
20	12.5 A	9 – 12.5 A	„	2531.00
21	14 A	9 – 14 A	„	3896.00
22	16 A	10 / 11 – 16 A	„	2405.00
23	18 A	13 – 18 A	„	3896.00
24	20 A	14 / 16 – 20 A	„	2689.00
25	22 A	17 – 22 A	„	2763.00
26	23 A	17 – 23 A	„	3896.00
27	25 A	20 – 25 A	„	3235.00
28	25 A	18 – 25 A	„	6328.00
29	32 A	22 / 25 – 32 A	„	4978.00
30	40 A	28 / 32 – 40 A	„	6159.00
31	45 A	36 – 45 A	„	6328.00
32	50 A	40 – 50 A	„	6328.00
33	50 A	36 – 50 A	„	6961.00
34	52	40 – 50 A	„	5991.00
35	58 A	50 – 58 A	„	6497.00
36	63 A	45 / 55 – 63 A	„	6729.00

13.B. Accessories for MPCBs

Sl. No.	Description	Unit	Rate Rs.
1	Auxiliary failure contact NO	Each	665.00
2	Auxiliary signal contact NC + NO	„	374.00
3	Under voltage release 230 V AC	„	938.00
4	Under voltage release 400 V AC	„	998.00
5	IP 55 moulded enclosure for MPCB	„	930.00

PART XI

SWITCH DISCONNECTOR AND ACCESSORIES
(For details of grouping under this part, refer annexure V)

1. Switch Disconnecter Unit (isolators)**1.A. TP / TPN Switch Disconnecter Unit (isolators) AC 22 A, 415 V, 50 Hz, complete with handle Assembly having door interlock and pad locking arrangement.**

Sl. No.	Rating	Unit	Rate Rs.		
			Open execution		In sheet steel enclosure
			Group A	Group B	
1	16 A	Each		557.00	
2	25 A	„		709.00	
3	32 A	„	656.00	997.00	1531.00
4	40 A	„		785.00	
5	63 A	„	832.00	1326.00	1701.00
6	80 A	„		1519.00	
7	100 A	„		2708.00	
8	125 A	„	2039.00	3434.00	2358.00
9	160 A	„	2323.00	5063.00	3151.00
10	200 A	„	2857.00	4911.00	3643.00
11	250 A	„	3594.00	5957.00	4457.00
12	315 A	„	4563.00	7315.00	5354.00
13	400 A	„	6294.00	9399.00	7752.00
14	630 A	„	8572.00	13808.00	11342.00
15	800 A	„	10297.00	15251.00	12126.00

1.B. TP / TPN Switch Disconnecter Unit (isolators) AC 23 A, 415 V, 50 Hz, complete with handle Assembly having door interlock and pad locking arrangement.

Sl. No.	Rating	Unit	Rate Rs.		
			Open execution		In sheet steel enclosure
			Group A	Group B	
1	25 A	Each	500.00		965.00
2	32 A	„	663.00		963.00
3	40 A	„	601.00		1080.00
4	63 A	„	818.00	1620.00	1199.00
5	100 A	„	1757.00	2531.00	2493.00
6	125 A	„	1900.00	3240.00	2527.00
7	160 A	„		3544.00	
8	200 A	„	3016.00	3949.00	3736.00
9	250 A	„	3540.00	5974.00	4860.00
10	400 A	„	5276.00	8859.00	6509.00
11	630 A	„	7170.00	13365.00	8603.00
12	800 A	„	9585.00	15694.00	11813.00

1.C. Four Pole Switch Disconnecter Unit (isolators) AC 22 A, 415 V, 50 Hz, complete with handle Assembly having door interlock and pad locking arrangement.

Sl. No.	Rating	Unit	Rate Rs.		
			Open execution		In sheet steel enclosure
			Group A	Group B	
1	16	Each		658.00	
2	25 A	„		861.00	
3	32 A	„	1069.00		1950.00
4	40 A	„		962.00	
5	63 A	„	1215.00	1164.00	2096.00
6	80 A			2025.00	
7	100 A	„		3038.00	
8	125 A	„	2328.00	3645.00	3269.00
9	160 A	„	2815.00	6075.00	3496.00
10	200 A	„	3766.00	6683.00	4304.00
11	250 A	„	4284.00	7720.00	5102.00
12	315 A		5274.00	9062.00	5966.00
13	400 A	„	5990.00	10935.00	7430.00
14	630 A	„	9526.00	16757.00	11306.00
15	800 A	„	11227.00	18630.00	13049.00

1.D. Four Pole Switch Disconnecter Unit (isolators) AC 23 A, 415 V, 50 Hz, complete with handle Assembly having door interlock and pad locking arrangement.

Sl. No.	Rating	Unit	Rate Rs.	
			Open execution	In sheet steel enclosure
1	25 A	Each	608.00	1080.00
2	32 A	„	957.00	1266.00
3	40 A	„	743.00	1283.00
4	63 A	„	995.00	1450.00
5	100 A	„	1778.00	2337.00
6	125 A	„	2147.00	2720.00
7	160 A	„		
8	200 A	„	3800.00	4571.00
9	250 A	„	4290.00	5032.00
10	315 A		4290.00	5032.00
11	400 A	„	5991.00	7598.00
12	630 A	„	7508.00	9211.00
13	800 A	„	9887.00	11988.00

1.E. Auxiliary contacts for Switch Disconnecter

Sl. No.	SDF Rating	contact configuration	Unit	Rate Rs.
1	16 - 125 A	1 NC	Each	177.00
2	32 - 160 A	1 NO	„	177.00
3	160 A	1 NC	„	354.00
4	160 A	1 NO	„	354.00

2. Switch Disconnecter Fuse Unit and accessories.

2.A. 2 pole Switch Disconnecter Fuse Unit

Sl. No.	SDF Rating	Rating of fuse that can be provided	Unit	Rate Rs.			
				In open execution			
				AC 22 A for NFC (Cylindrical fuse)	AC 23 A for DIN fuse		for BS type fuse
					Group A	Group B	
1	32 A		Each	-	1248.00	-	1248.00
2	63 A		„	-	1818.00	-	1818.00
3	100 A	2 – 100 A	„	2410.00	3750.00	2592.00	3750.00
4	125 A	2 – 125 A	„	2795.00	3912.00	3230.00	3912.00

2.B. TPN Switch Disconnecter Fuse Unit and accessories.

2.B.1. TPN Switch Disconnecter Fuse For NFC (Cylindrical fuse)

Sl. No.	SDF Rating	Rating of fuse that can be provided	Unit	Rate Rs.	
				In open execution	
				AC 22 A	AC 23 A
	20 A	2 – 20 A	Each	-	906.00
1	32 A	2 – 32 A	„	901.00	1068.00
2	50 A	2 – 50 A	„	1205.00	-
3	63 A	2 – 63 A	„	-	1613.00

2.B.2. TPN Switch Disconnecter Fuse for DIN fuse

Sl. No.	SDF Rating	Rating of fuse that can be provided	Unit	Rate Rs.				
				Open execution			In sheet steel enclosure	
				AC 22 A Group B	AC 23 A		AC 23 A	
					Group A	Group B	Group A	Group B
1	20 A	2 – 20 A	Each			962.00		1924.00
2	32 A	2 – 32 A	„	952.00	699.00	1125.00	1402.00	2055.00
3	63 A	2 – 63 A	„	1266.00	981.00	1710.00	1697.00	2677.00
4	80 A	2 – 80 A	„	1681.00		2683.00		4202.00
5	100 A	2 – 100 A	„	2835.00	2002.00	3339.00	2728.00	4431.00
6	125 A	2 – 125 A	„	3189.00	2353.00	4130.00	3121.00	5219.00
7	160 A	2 – 160 A	„	3746.00	2781.00	4622.00	3761.00	5724.00
8	200 A	50 – 200 A	„	4202.00	3079.00	4941.00	4256.00	6441.00
9	250 A	50 – 250 A	„	5468.00	3776.00	6610.00	4990.00	8125.00
10	315 A	125 – 315 A	„	6328.00	4699.00	8033.00	6103.00	9590.00
11	400 A	315 – 400 A	„	8353.00	5811.00	10044.00	7116.00	11744.00
12	500 A	355 – 500 A	„	11644.00		12656.00		14732.00
13	630 A	315 – 630 A	„	12758.00	9462.00	15704.00	11725.00	17933.00
14	800 A	315 – 800 A	„	14681.00	11256.00	18605.00	14246.00	21085.00

2.B.3. TPN Switch Disconnecter Fuse for BS fuse

Sl. No.	SDF Rating	Rating of fuse that can be provided	Unit	Rate Rs.				
				Open execution			In sheet steel enclosure	
				AC 22 A	AC 23 A		AC 23 A	
				Group B	Group A	Group B	Group A	Group B
1	20 A	2 – 20 A	Each			937.00		1924.00
2	32 A	2 – 32 A	„	921.00	652.00	1072.00	1218.00	2098.00
3	63 A	2 – 63 A	„	1240.00	953.00	1531.00	1585.00	2626.00
4	80 A	2 – 80 A	„	1519.00		2582.00		4202.00
5	100 A	2 – 100 A	„	2683.00	1971.00	3189.00	2658.00	4431.00
6	125 A	2 – 125 A	„	3189.00	2317.00	3965.00	3091.00	5118.00
7	160 A	2 – 160 A	„	3645.00	2767.00	4320.00	3668.00	5724.00
8	200 A	50 – 200 A	„	4151.00	3097.00	4799.00	4201.00	6390.00
9	250 A	50 – 250 A	„	5366.00	3759.00	6379.00	4905.00	7999.00
10	315 A	125 – 315 A	„	6176.00	4771.00	7915.00	6089.00	9590.00
11	400 A	315 – 400 A	„	8201.00	5876.00	9783.00	7084.00	11364.00
12	500 A	355 – 500 A	„	11644.00		12555.00		14732.00
13	630 A	315 – 630 A	„	12555.00	9647.00	15117.00	11423.00	17933.00
14	800 A	315 – 800 A	„	14175.00	11396.00	18326.00	13604.00	21085.00

2.B.4. Auxiliary contacts for TPN Switch disconnecter fuse unit.

Sl. No.	SDF Rating	Unit	Rate Rs.	
			Group A	Group B
1	32 / 63 A	Each	176.00	266.00
2	100 / 125 / 160A	„	176.00	257.00
3	200 / 250 A	„	176.00	306.00
4	315 / 400 / 630 / 800 A	„	176.00	301.00

2.C. Four Pole Switch Disconnecter Fuse Unit and accessories.

2.C.1. Four Pole Switch Disconnecter Fuse Unit for DIN fuse

Sl. No.	SDF Rating	Rating of fuse that can be provided	Unit	Rate Rs.		
				Open execution		In sheet steel enclosure
				AC 23 A		AC 23 A
				Group A	Group B	Group A
1	2	3	4	5	6	7
1	20 A	2 - 20 A				
2	32 A	2 - 32 A	Each	1005.00	1367.00	1424.00
3	63 A	2 - 63 A	„	1179.00	1949.00	1729.00
4	100 A	2 - 100 A	„	2505.00	3670.00	3053.00
5	125 A	2 - 125 A	„	3025.00	4727.00	3507.00
6	160 A	2 - 160 A	„	3290.00	5278.00	4566.00
7	200 A	50 - 200 A	„	3745.00	5822.00	5088.00
8	250 A	50 - 250 A	„	4510.00	7636.00	5545.00
1	2	3	4	5	6	7

9	315 A	315 A	„	5502.00	8201.00	7076.00
10	400 A	315 - 400 A	„	6727.00	11686.00	7608.00
11	500 A	355 - 500 A	„			
12	630 A	315 - 630 A	„	10686.00	17601.00	12834.00
13	800 A	315 - 800 A	„	12168.00	21035.00	14016.00

2.C.2.Four Pole Switch Disconnecter Fuse Unit for BS fuse

Sl. No.	SDF Rating	Rating of fuse that can be provided	Unit	Rate Rs.		
				Open execution		In sheet steel enclosure
				AC 23 A		AC 23 A
				Group A	Group B	Group A
1	20 A	2 - 20 A				
2	32 A	2 - 32 A	Each	939.00	1240.00	1626.00
3	63 A	2 - 63 A	„	1168.00	1772.00	1946.00
4	100 A	2 - 100 A	„	2453.00	3544.00	3476.00
5	125 A	2 - 125 A	„	2844.00	4590.00	3877.00
6	160 A	2 - 160 A	„	3516.00	4898.00	4751.00
7	200 A	50 - 200 A	„	3853.00	5569.00	5531.00
8	250 A	50 - 250 A	„	4478.00	7400.00	6049.00
9	315 A	315 A	„	5659.00	8708.00	7511.00
10	400 A	315 - 400 A	„	6525.00	11129.00	8252.00
11	500 A	355 - 500 A	„			
12	630 A	315 - 630 A	„	10838.00	17094.00	13472.00
13	800 A	315 - 800 A	„	12173.00	20541.00	15628.00

2.C.3.Auxiliary contacts for 4 Pole Switch disconnecter fuse unit.

Sl. No.	SDF Rating	Configuration	Unit	Rate Rs.	
				Group A	Group B
1	32 – 160 A	1 NO + 1 NC	Each	181.00	278.00
2	32 – 160 A	2 NO + 2 NC	„	336.00	557.00
3	200 – 800 A	1 NO + 1 NC	„	215.00	506.00
4	200 – 800 A	2 NO + 2 NC	„	409.00	1013.00

3. On-Load Change Over Switches and accessories.

3A. On-Load Change Over Switches AC 22 A duty

Sl. No.	COS Rating	Unit	Rate Rs.			
			In open execution			In sheet steel enclosure
			TPN on-load COS	4 P on-load COS		4 P on-load COS
				Group A	Group B	
1	2	3	4	5	6	7
1	16 A	Each	1418.00		1772.00	
2	25 A	„	1595.00		2050.00	
3	40 A	„	2658.00		3088.00	
1	2	3	4	5	6	7
4	63 A	„	2835.00	2022.00	3367.00	3056.00

5	80 A	„	3544.00	2768.00	4253.00	4185.00
6	100 A	„	4354.00	2998.00	4961.00	3989.00
7	125 A	„	5290.00	3745.00	5670.00	4883.00
8	160 A	„	6594.00	4455.00	8859.00	6075.00
9	200 A	„	8644.00	4940.00	9568.00	6269.00
10	250 A	„	10074.00	7166.00	10986.00	8407.00
11	315 A	„	11505.00	8033.00	13289.00	9450.00
12	400 A	„	15137.00	10848.00	16478.00	12575.00
13	630 A	„	21073.00	12533.00	28350.00	14786.00
14	800 A	„	25692.00	17579.00	31717.00	19985.00

3B. On-Load Change Over Switches AC 23 A duty

Sl. No.	COS Rating	Unit	4 P on-load COS		
			In open execution		In sheet steel enclosure
			Group A	Group B	Group A
1	63 A	Each	2135.00	3392.00	2942.00
2	100 A	„	2922.00		3936.00
3	125 A	„	4075.00	5873.00	5367.00
4	160 A	„	4249.00		6039.00
5	200 A	„	5259.00	7290.00	6550.00
6	250 A	„	7529.00	10834.00	9248.00
7	315 A	„	7855.00	11340.00	9600.00
8	400 A	„	11530.00	16301.00	13929.00
9	630 A	„	13234.00	19035.00	15708.00
10	800 A	„	19152.00	27034.00	22472.00

3C. Auxiliary contacts for Change Over Switches.

Sl. No.	Configuration	Unit	Rate Rs.
1	1 NO + 1 NC	Each	156.00
2	2 NO + 2 NC	„	198.00

4. Four Pole on-load Switch Disconnecter fuse Change Overs.

Sl. No.	Rating	Unit	Rate Rs.			
			Open execution		In sheet steel enclosure	
			AC 22 A	AC 23 A	AC 22 A	AC 23 A
1	63 A	„		3588.00		4692.00
2	125 A	„	5130.00	5137.00	6615.00	6634.00
3	160 A	„	5603.00		7155.00	
4	200 A	„	9315.00	9317.00	11475.00	11300.00
5	250 A	„	9518.00	9452.00	11948.00	11755.00
6	315 A	„	9855.00	9755.00	12150.00	12063.00
7	400 A	„	14040.00	13987.00	17550.00	17599.00
8	630 A	„	16538.00	16379.00	20250.00	19985.00
9	800 A	„	20115.00		22950.00	

5. HRC Fuse Bases.

5.A. Fuse holders for BS type fuse

Sl. No.	Description	Unit	Rate Rs.	
			Group A	Group B
For blade type fuses				
1	20 A	Each	51.50	84.00
2	32 A	„	51.00	96.00
For offset tag type fuses				
1	32 A	„	86.50	387.00
2	63 A	„	107.00	473.00
3	100 A	„	264.00	810.00
4	125 A	„	279.00	547.00

5.B. Din Type fuse base

Sl. No.	Rating	Unit	Rate Rs.	
			Group A	Group B
1	100 A	Each	111.00	
2	125 A	„	125.00	
3	160 A	„	118.00	195.00
4	250 A	„	232.00	390.00
5	400 A	„	321.00	580.00
6	630 A	„	442.00	775.00
7	Fuse puller for 2 A 63 A	„		91.00
8	Fuse puller for 63 A to 800 A	„	111.00	370.00

5.C. Porcelain Kit Kat HRC type fuse Units conforming to IS : 2086 – 1993

Sl. No.	Rating	Unit	Rate Rs.
1	16 A, 240 V	Each	36.00
2	16 A, 415 V	„	67.00
3	32 A, 240 V	„	67.00
4	32 A, 415 V	„	91.00
5	63 A, 415 V	„	152.00
6	100 A, 415 V	„	292.00
7	200 A, 415 V	„	565.00
8	320 A, 415 V	„	875.00

6. HRC Fuses.

6.A. Cylindrical type fuse links

Sl. No.	Fuse Rating	Unit	Rate Rs.	
			Group A	Group B
1	2	3	4	5
1	2 A	Each	35.50	57.00
2	4 A	„	33.50	57.00
3	6 A	„	33.50	57.00
1	2	3	4	5

4	8 A	„	33.50	57.00
5	10 A	„	33.50	57.00
6	16 A	„	34.50	57.00
7	20 A	„	34.50	57.00
8	25 A	„	35.50	57.00
9	32 A	„	37.00	59.00
10	40 A	„	37.00	59.00
11	50 A	„	68.58	116.00
12	63 A	„	73.50	122.00

6.B. DIN type fuse links

6.B. 1. DIN type fuse links Size 000 to 0

Sl. No.	Unit	Size 000		Size 00			Size 0	
		Fuse Rating	Rate Rs.	Fuse Rating	Rate Rs.		Fuse Rating	Rate Rs.
			Group B		Group A	Group B		Group B
1	Each	2 A	187.00	6 A	112.00	253.00	80 A	354.00
2	„	4 A	187.00	8 A	112.00	253.00	100 A	354.00
3	„	6 A	175.00	10 A	112.00	253.00	125 A	354.00
4	„	10 A	175.00	16 A	112.00	253.00	160 A	354.00
5	„	16 A	177.00	20 A	112.00	253.00	200 A	365.00
6	„	20 A	177.00	25 A	112.00	253.00		
7	„	25 A	177.00	32 A	112.00	253.00		
8	„	32 A	177.00	35 / 36 A	113.00	253.00		
9	„	36 A	162.00	50 A	112.00	253.00		
10	„	40 A	180.00	63 A	112.00	261.00		
11	„	50 A	180.00	80 A	113.00	261.00		
12	„	63 A	181.00	100 A	113.00	261.00		
13	„	80 A	187.00	125 A	121.00	275.00		
14	„	100 A	200.00	160 A	120.00	287.00		

6.B. 2. DIN type fuse links Size 1 to 3

Sl. No.	Unit	Size 1			Size 2			Size 3		
		Fuse Rating	Rate Rs.		Fuse Rating	Rate Rs.		Fuse Rating	Rate Rs.	
			Group A	Group B		Group A	Group B		Group A	Group B
1	Each	32 A	195.00		100 A	290.00		315 A	347.00	948.00
2	„	35/36 A	196.00		125 A	290.00		355 A		942.00
3	„	50 A	195.00	402.00	160 A	290.00		400 A	405.00	948.00
4	„	63 A	195.00	402.00	200 A	300.00	658.00	500 A	483.00	965.00
5	„	80 A	195.00	402.00	250 A	291.00	648.00	630 A	483.00	984.00
6	„	100 A	195.00	402.00	315 A	295.00	648.00	800 A		1195.00
7	„	125 A	196.00	430.00	355 A		653.00			
8	„	160 A	201.00	440.00	400 A	310.00	653.00			
9	„	200 A	201.00	449.00						
10	„	224 A		451.00						
11	„	225 A		496.00						
12	„	250 A	223.00	499.00						
13	„	315 A		628.00						

6.C. BS type fuse links**6.C. 1. Clip-on Off set Tag types**

Sl. No.	Fuse Rating	Unit	Rate Rs.	
			Group A	Group B
1	2 A	Each	19.00	31.00
2	4 A	„	19.00	31.00
3	6 A	„	19.00	31.00
4	10 A	„	19.00	31.00
5	16 A	„	19.00	31.00
6	20 A	„	21.00	38.00
7	25 A	„	21.00	38.00
8	32 A	„	21.00	38.00
9	36 A	„	19.00	48.00
10	50 A	„	19.00	48.00
11	63 A	„	19.00	48.00

6.C. 2. Bolted Off set Tag types**6.C. 2. 1. Bolted Off set Tag type size A1, A1L & A2**

Sl. No.	Unit	Size A1			Size A1L			Size A2		
		Fuse Rating	Rate Rs.		Fuse Rating	Rate Rs.		Fuse Rating	Rate Rs.	
			Group A	Group B		Group A	Group B		Group A	Group B
1	Each	2 A	20.00	46.00	20 A		48.00	4 A	29.00	32.00
2	„	4 A	20.00	46.00	25 A	33.50	48.00	6 A	29.00	32.00
3	„	6 A	27.50	46.00	32 A	33.50	48.00	10 A	29.00	32.00
4	„	10 A	27.50	46.00	36 A	39.00	61.00	16 A	29.00	32.00
5	„	16 A	27.50	46.00	40 A	39.00	65.00	20 A	29.00	32.00
6	„	20 A	28.00	46.00	50 A	39.00	65.00	25 A	29.00	32.00
7	„	25 A	28.00	52.00	63 A	39.00	65.00	32 A	29.00	32.00
8	„	32 A	28.00	52.00	80 A	87.50				
9	„				100 A	87.50				
10	„				125 A	84.00				

6.C. 2. 2. Bolted Off set Tag type size A3 & A4

Sl. No.	Unit	Size A3			Size A4		
		Fuse Rating	Rate Rs.		Fuse Rating	Rate Rs.	
			Group A	Group B		Group A	Group B
1	Each	32 A	43.00		50 A	83.50	
2	„	35/36A	43.00	68.00	63 A	83.50	
3	„	40 A	43.00		80 A	86.00	141.00
4	„	50 A	43.00	68.00	100 A	86.00	141.00
5	„	63 A	43.00	68.00	125 A	98.50	194.00
6	„				160 A	122.00	207.00
7	„				200 A	122.00	234.00

6.C. 3. Bolted Central Tag types

6.C.3. 1. Bolted Central Tag type size B1 to B4

Sl. No.	Unit	Fuse Rating	Size B1		Size B2		Size B3		Size B4	
			Rate Rs.		Rate Rs.				Rate Rs.	
			Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
1	Each	50 A	77.00							
2	„	63 A	77.00							
3	„	80 A	83.50	159.00						
4	„	100 A	83.50	159.00						
5	„	125 A	83.50	209.00	122.00					
6	„	160 A			122.00					
7	„	200 A			122.00	159.00				
8	„	250 A			128.00	159.00	179.00	303.00		
9	„	300 A					185.00			
10	„	315 A					179.00	315.00		
11	„	355 A							355 A	503.00
12	„	400 A							400 A	534.00

6.C.3. 2. Bolted Central Tag type size C1 to C3

Sl. No.	Unit	Size C1		Size C2			Size C3		
		Fuse Rating	Rate Rs.	Fuse Rating	Rate Rs.		Fuse Rating	Rate Rs.	
			Group A		Group A	Group B		Group A	Group B
1	Each	355 A	398.00	400 A	395.00	582.00	630 A	689.00	972.00
2	„	400 A	398.00	450 A	475.00	577.00	670 A	797.00	1114.00
3	„			500 A	425.00	706.00	710 A	797.00	1271.00
4	„			560 A		876.00	750 A	797.00	1114.00
5	„			630 A	517.00	992.00	800 A	797.00	1271.00

7. 12 KV Fuse links (conforms to IS 9385 / BS 2692 / IEC 282-1)

Sl. No.	Fuse Rating	Unit	Rate Rs.	
			For use in oil	for use in air
1	2	3	4	5
1	5 A	„	3713.00	2700.00
2	6.3 A	„		2700.00
3	10 A	„	3713.00	2700.00
4	16 A	„	3713.00	2700.00
5	20 A	„	3713.00	2700.00
6	25 A	„	3713.00	2700.00
7	31 A	„		2700.00
8	36 A	„	3713.00	2700.00
9	40 A	„	3713.00	2700.00
10	45 A	„	3713.00	2700.00
11	50 A	„	3713.00	2700.00
1	2	3	4	5

12	56 A	„	3713.00	2700.00
13	63 A	„	3713.00	2700.00
14	71 A	„	3713.00	2700.00
15	80 A	„	3713.00	2970.00
16	90 A	„	3881.00	2970.00
17	100 A	„	4219.00	2970.00
18	120 A	„	4838.00	
19	Voltage Transformer fuse link (11 KV 3 A)	„		816.00

8. Neutral Links for SDF / load break switches

Sl. No.	Rating	Unit	Rate Rs.
1	32 – 63 A	Each	86.00
2	100 – 160 A	„	102.00
3	200 – 400 A	„	189.00
4	630 – 800 A	„	200.00

9. 2 Way neutral links mounted on DMC/SMC base

Sl. No.	Rating	Unit	Rate Rs.
1	32 A	Each	40.00
2	63 A	„	93.50
3	100 A	„	158.00

10. Neutral bars made out of brass bars with holes in running length, mounted on DMC/SMC supports, with screws.

Sl. No.	No. of ways	No of holes	Unit	Rate Rs.	
				32 A	63 A
1	4 way	4 + 1	Each	19.50	33.00
2	6 way	6 + 1	„	25.00	46.00
3	8 way	8 + 1	„	33.00	55.00
4	10 way	10 + 1	„	42.00	63.00
5	12 way	12 + 1	„	48.50	69.50
6	16 way	16 + 1	„	64.00	89.00
	18 way	18 + 1			118.00
7	20 way	20 + 1	„	81.00	128.00
8	24 way	24 + 1	„	89.00	
9	28 way	28 + 1	„	105.00	
10	30 way	30 + 1	„	131.00	

11. Castal key Lock

Sl. No.	Rating	Unit	Rate Rs.
1	100 – 250 A	„	872.00
2	315 – 800 A	„	872.00

12. Key Interlock (3 locks two keys)

Sl. No.	Rating	Unit	Rate Rs.
1	25 – 63 A	Each	1451.00
2	100 – 250 A	„	1451.00
3	315 – 800 A	„	1451.00

PART XII

MCCBS AND ACCESSORIES

(For details of grouping under this part, refer annexure VI)

1. MCCBs with Thermal Magnetic release having adjustable OL & SC

1.A. Current limiting type (Ics = 100% Icu) – Icu = 16 / 25 / 35 kA

Sl. No.	Rating	Thermal setting	Unit	Rate Rs.					
				Icu = 16 kA		Icu = 25 kA		Icu = 35 kA	
				3 Pole	4 Pole	3 Pole	4 Pole	3 Pole	4 Pole
1	12.5 A	80 – 100%	Each						
2	16 A		„	3898.00	5063.00	3863.00	4971.00	4976.00	6359.00
3	20 A		„	3898.00	5063.00	3863.00	4971.00	4976.00	6359.00
4	25 A		„	3898.00	5063.00	3863.00	4971.00	4976.00	6359.00
5	32 A		„	3898.00	5063.00	3863.00	4971.00	4976.00	6359.00
6	40 A		„	3898.00	5063.00	3863.00	4971.00	4976.00	6359.00
7	50 A		„	3898.00	5063.00	3863.00	4971.00	4976.00	6359.00
8	63 A		„	3898.00	5063.00	3863.00	4971.00	4976.00	6359.00
9	80 A		„	3898.00	5063.00	3918.00	5189.00	5260.00	6359.00
10	100 A		„	3898.00	5063.00	3918.00	5189.00	5260.00	6359.00
11	125 A		„	5063.00	5974.00	5214.00	6936.00	5513.00	6652.00
12	160 A		„	6176.00	7695.00	6784.00	8404.00	6986.00	8338.00
13	200 A		„					13284.00	14681.00
14	250 A		„					13284.00	16727.00
15	320 A		„					15765.00	21263.00
16	400 A		„					15765.00	21263.00
17	500 A		„					18205.00	25313.00
18	630 A		„						25313.00

1.B. Current limiting type (Ics = 100% Icu) – Icu = 40 / 45 kA

Sl. No.	Thermal setting	Unit	Rating	Rate Rs.		Rating	Rate Rs.	
				Icu = 40 kA			Icu = 45 kA	
				3 Pole	4 Pole		3 Pole	4 Pole
1	2	3	4	5	6	7	8	9

1	70 – 100%	Each	20 A	5316.00	7088.00	315 A	17364.00	22022.00
2		„	32 A	5316.00	7088.00	400 A	17364.00	22022.00
1		3	4	5	6	7	8	9
3		„	63 A	5316.00	7088.00	500 A	19997.00	24173.00
4		„	100 A	5316.00	7088.00	630 A	19997.00	24173.00
5		„	125 A	6328.00	8075.00			
6		„	160 A	7898.00	10378.00			
7		„	200 A	12656.00	17719.00			
8		„	250 A	13669.00	17719.00			

1.C. Current limiting type (Ics = 100% Icu) – Icu = 50 kA

Sl. No.	Rating	Thermal setting	Unit	Rate Rs.			
				3 Pole		4 Pole	
				Group A	Group B	Group A	Group B
1	16 A	80 – 100%	Each	3938.00	7290.00	5513.00	8414.00
2	20 A		„	3938.00	7290.00	5513.00	8414.00
3	25 A		„	3938.00	7290.00	5513.00	8414.00
4	32 A		„	3938.00	7290.00	5513.00	8414.00
5	40 A		„	3938.00	7776.00	5513.00	8414.00
6	50 A		„	3938.00	7776.00	5513.00	8414.00
7	63 A		„	3938.00	7776.00	5513.00	8414.00
8	80 A		„	3938.00	7776.00	5513.00	8465.00
9	100 A		„	3938.00	7776.00	5513.00	8465.00
10	125 A		„	5906.00	8708.00	8663.00	10429.00
11	160 A		„	7481.00	9973.00	10631.00	12378.00
12	200 A		„	9450.00	13416.00	12994.00	17213.00
13	250 A		„	12206.00	14681.00	17325.00	18225.00
14	320 A		„	12600.00	17081.00		21769.00
15	400 A		„	12600.00	17081.00		21769.00
16	500 A		„	14569.00	18802.00		25819.00
17	630 A		„				25819.00

1.D. Current limiting type (Ics = 100% Icu) – Icu = 70 / 100 kA

Sl. No.	Rating	Thermal setting	Unit	Rate Rs.			
				Icu = 70 kA		Icu = 100 kA	
				3 Pole	4 Pole	3 Pole	4 Pole
1	2	3	4	5	6	7	8
1	20 A	70 – 100%	Each	7847.00	10074.00		
2	32 A		„	7847.00	10074.00		
3	40 A		„			8475.00	10530.00
4	50A		„			8475.00	10530.00
5	63 A		„	7847.00	10074.00	8475.00	10530.00
6	80 A		„			8475.00	10530.00
7	100 A		„	7847.00	10074.00	8475.00	11877.00
8	125 A		„	11239.00	15036.00	13942.00	17557.00
9	160 A		„	11644.00	15441.00	16109.00	17557.00
10	200 A		„	14428.00	19896.00	19106.00	23237.00
11	250 A		„	15694.00	19896.00	20655.00	28401.00
12	315 A		„	18225.00	23034.00		
13	400 A		„	18225.00	23034.00		
14	500 A		„	23034.00	26224.00		
15	630 A		„	23034.00	30578.00		

2. MCCBs with Microprocessor based release having adjustable OL & SC**2.A. Current limiting type (Ics = 100% Icu) – Icu = 25 / 35 kA**

Sl. No.	Rating	Over load setting	Unit	Rate Rs.			
				Icu = 25 kA		Icu = 35 kA	
				3 Pole	4 Pole	3 Pole	4 Pole
1	3.2	50 – 100%	Each	5265.00	8191.00	6885.00	9315.00
2	6.3 A		„	5265.00	8191.00	6885.00	9315.00
3	12.5 A		„	5265.00	8191.00	6885.00	9315.00
4	25 A		„	5265.00	8191.00	6885.00	9315.00
5	50 A		„	5265.00	8191.00	6885.00	9315.00
6	100 A		„	5265.00	8191.00	6885.00	9315.00
7	125 A		„	5974.00	9113.00	7898.00	11644.00
8	160 A		„	7290.00	10328.00	8606.00	12555.00
9	200 A		„	8404.00	12049.00	11441.00	16200.00
10	400 A		„			17213.00	25110.00

2.B. Current limiting type (Ics = 100% Icu) – Icu = 40 / 45 kA

Sl. No.	Over load setting	Unit	Rating	Rate Rs.		Rating	Rate Rs.	
				Icu = 40 kA			Icu = 45 kA	
				3 Pole	4 Pole		3 Pole	4 Pole
1	50 – 100%	Each	63 A	11340.00	14580.00	315 A	20250.00	27844.00
2		„	100 A	11340.00	14580.00	400 A	20250.00	27844.00
3		„	160 A	14074.00	19541.00	630 A	22376.00	36551.00
4		„	200 A	19946.00	25718.00			
5		„	250 A	19946.00	25718.00			

2.C. Current limiting type (Ics = 100% Icu) – Icu = 50 / 70 kA

Sl. No.	Rating	Thermal setting	Unit	Rate Rs.			
				Icu = 50 kA		Icu = 70 kA	
				3 Pole	4 Pole	3 Pole	4 Pole
1	2	3	4	5	6	7	8
1	3.2	50 – 100%	Each	9163.00	11289.00		
2	6.3 A		„	9163.00	11289.00		
3	12.5 A		„	9163.00	11289.00		
4	25 A		4	5	6	7	8
4	25 A		„	9163.00	11289.00		
5	50 A		„	9163.00	11289.00		
6	63 A		„			13517.00	16808.00
7	100 A		„	10520.00	13132.00	13517.00	16808.00
8	125 A		„	10429.00	17415.00		
9	160 A		„	15491.00	20139.00	18326.00	23389.00
10	200 A		„	14681.00	22984.00	20756.00	31084.00
11	250 A		„	20554.00	27236.00	20756.00	31084.00
12	315 A		„			22022.00	34425.00
13	400 A		„	24695.00	33747.00	22022.00	34425.00
14	630 A		„	28856.00	37969.00	25566.00	40703.00
15	800 A		„	28856.00	44044.00	38627.00	50625.00
16	1000 A		„	44550.00	68546.00	58725.00	87834.00
17	1250 A		„	56953.00	87278.00	71888.00	99225.00
18	1600 A	„	75938.00	100744.00	81000.00	106313.00	

2.D. Current limiting type (Ics = 100% Icu) – Icu = 65 / 100 kA

Sl. No.	Rating	Thermal setting	Unit	Rate Rs.			
				Icu = 65 kA		Icu = 100 kA	
				3 Pole	4 Pole	3 Pole	4 Pole
1	100 A	50 – 100%	Each			14459.00	19106.00
2	160 A		„	15750.00		20139.00	26335.00
3	250 A		„	15750.00		32015.00	35630.00
	300 A				36225.50		
4	400 A		„	15750.00	36225.50	37695.00	50605.00
	500 A				29137.75		
5	630 A		„	17325.00	29137.75	44044.00	58350.00
6	800 A		„	25200.00	63000.00	49106.00	79481.00
7	1000 A		„			69863.00	106313.00
8	1250 A	„			79988.00	120994.00	
9	1600 A	„			131119.00	177188.00	

3. Motorised MCCBs with Thermal Magnetic release having adjustable OL & SC**3.A. Current limiting type (Ics = 100% Icu) – Icu = 16 / 25 / 35 kA**

Sl. No.	Rating	Thermal setting	Unit	Rate Rs.					
				Icu = 16 kA		Icu = 25 kA		Icu = 35 kA	
				3 Pole	4 Pole	3 Pole	4 Pole	3 Pole	4 Pole
1	2	3	4	5	6	7	8	9	10
1	16 A	80 – 100%	Each	15238.00	16403.00	15441.00	16858.00	21617.00	17699.00
2	20 A		„	15238.00	16403.00	15441.00	16858.00	21617.00	17699.00
3	25 A		„	15238.00	16403.00	15441.00	16858.00	21617.00	17699.00
4	32 A		„	15238.00	16403.00	15441.00	16858.00	21617.00	17699.00
5	40 A		„	15238.00	16403.00	15441.00	16858.00	21617.00	17699.00
1	2		4	5	6	7	8	9	10
6	50 A		„	15238.00	16403.00	15441.00	16858.00	21617.00	17699.00
7	63 A		„	15238.00	16403.00	15441.00	16858.00	21617.00	17699.00
8	80 A		„	15238.00	16403.00	15441.00	16858.00	21617.00	17699.00
9	100 A		„	15238.00	16403.00	15441.00	16858.00	21617.00	17699.00
10	125 A		„	16403.00	17314.00	16554.00	18276.00	22123.00	18630.00
11	160 A	„	17516.00	19035.00	18124.00	19744.00	23490.00	19997.00	

3.B. Current limiting type (Ics = 100% Icu) – Icu = 40 / 45 kA

Sl. No.	Thermal setting	Unit	Rating	Rate Rs.		Rating	Rate Rs.	
				Icu = 40 kA			Icu = 45 kA	
				3 Pole	4 Pole		3 Pole	4 Pole
1	70 – 100%	Each	20 A	18843.00	20615.00	315 A	30891.00	35539.00
2		„	32 A	18843.00	20615.00	400 A	30891.00	35539.00
3		„	63 A	18843.00	20615.00	500 A	33524.00	37700.00
4		„	100 A	18843.00	20615.00	630 A	33524.00	37700.00

3.C. Current limiting type (Ics = 100% Icu) – Icu = 50 kA

Sl. No.	Rating	Thermal setting	Unit	Rate Rs.			
				3 Pole		4 Pole	
				Group A	Group B	Group A	Group B
1	16 A	80 – 100%	Each	3938.00	23794.00	5513.00	25110.00
2	20 A		„	3938.00	23794.00	5513.00	25110.00
3	25 A		„	3938.00	23794.00	5513.00	25110.00
4	32 A		„	3938.00	23794.00	5513.00	25110.00
5	40 A		„	3938.00	23794.00	5513.00	25110.00
6	50 A		„	3938.00	23794.00	5513.00	25110.00
7	63 A		„	3938.00	23794.00	5513.00	25110.00
8	80 A		„	3938.00	23794.00	5513.00	25110.00
9	100 A		„	3938.00	23794.00	5513.00	25110.00
10	125 A		„	5906.00	24806.00	8663.00	26224.00
11	160 A		„	7481.00	25819.00	10631.00	27591.00
12	200 A		„	9450.00		12994.00	
13	250 A		„	12206.00		17325.00	

3.D. Current limiting type (Ics = 100% Icu) – Icu = 70 / 100 kA

Sl. No.	Rating	Thermal setting	Unit	Rate Rs.			
				Icu = 70 kA		Icu = 100 kA	
				3 Pole	4 Pole	3 Pole	4 Pole
1	2	3	4	5	6	7	8
1	20 A	70 – 100%	Each	21374.00	23601.00		
2	32 A		„	21374.00	23601.00		
3	40 A		„			25515.00	27570.00
4	50A		„			25515.00	27570.00
5	63 A		„	21374.00	23601.00	25515.00	27570.00
6	80 A		„			25515.00	27570.00
7	100 A		„	21374.00	23601.00	25515.00	28917.00
8	125 A		„	24766.00	28563.00	30983.00	34597.00
9	160 A		„	25171.00	28968.00	33149.00	35888.00
10	200 A		„	27955.00	33423.00	36146.00	40277.00
11	250 A		„	29221.00	33423.00	37695.00	45441.00
12	315 A		„	31752.00	36561.00		
13	400 A		„	31752.00	36561.00		
14	500 A		„	36561.00	39751.00		
15	630 A		„	36561.00	46130.00		

4. Motorised MCCBs with Microprocessor based release having adjustable OL & SC**4.A. Current limiting type (Ics = 100% Icu) – Icu = 40 / 45 kA**

Sl. No.	Rating	Over load setting	Unit	Rate Rs.			
				Icu = 40 kA		Icu = 45 kA	
				3 Pole	4 Pole	3 Pole	4 Pole

1	63 A	50 – 100%	Each	24867.00	28107.00		
2	100 A		„	24867.00	28107.00		
3	160 A		„	27601.00	33068.00		
4	200 A		„	33473.00	39245.00		
5	250 A		„	33473.00	39245.00		
6	315 A		„			33777.00	41371.00
7	400 A		„			33777.00	41371.00
8	630 A		„			35903.00	50078.00

4.B. Current limiting type (Ics = 100% Icu) – Icu = 50 / 70 kA

Sl. No.	Rating	Thermal setting	Unit	Rate Rs.				
				Icu = 50 kA			Icu = 70 kA	
				3 Pole Group A	3 Pole Group B	4 Pole Group B	3 Pole	4 Pole
1	40 A	50 – 100%	Each	6694.00				
2	63 A		„				40363.00	39665.00
3	80 A		„	6694.00				
4	100 A		„		28917.00	32015.00	40363.00	39665.00
5	160 A		„	10238.00	32532.00	37179.00	45173.00	46246.00
6	200 A		„				47603.00	53941.00
7	250 A		„	14175.00	42859.00	48023.00	47603.00	53941.00
8	315 A		„				48868.00	57282.00
9	400 A		„		46990.00	56285.00	48868.00	57282.00
10	630 A		„		51465.00	41971.00	52403.00	63560.00
11	800 A		„		59917.00	72067.00	65473.00	73482.00
12	1000 A		„		70068.00	95583.00	85571.00	110692.00
13	1250 A		„		81332.00	60651.00	98734.00	122082.00
14	1600 A		„		107783.00	141044.00	107846.00	129170.00

4.C. Current limiting type (Ics = 100% Icu) – Icu = 65 / 100 kA

Sl. No.	Rating	Over load setting	Unit	Rate Rs.		
				Icu = 65 kA	Icu = 100 kA	
				3 Pole Group A	3 Pole	4 Pole
1	100 A	50 – 100%	Each		31499.00	36146.00
2	160 A		„	15750.00	37179.00	43376.00
3	250 A		„	15750.00	49056.00	52670.00
4	400 A		„	15750.00	54736.00	67645.00
5	630 A		„	17325.00	61084.00	75391.00
6	800 A		„	25200.00	76474.00	106849.00
7	1000 A		„		97230.00	133680.00
8	1250 A		„		107355.00	148362.00
9	1600 A		„		158487.00	204555.00

5. 3 pole MCCBs, with only SC protection for motor starters (Ics = 100% Icu) current limiting type

Sl. No.	Rating	Unit	Rate Rs.	Rate Rs.	Rate Rs.
			Icu = 40 kA	Icu = 50 kA	Icu = 70 kA
1	0.63 A	Each		2795.00	
2	1.0 A	„		2795.00	
3	1.6 A	„		2795.00	
4	2.5 A	„		2795.00	
5	4.0 A	„		2795.00	
6	5.0 A	„		2795.00	
7	6.3 A	„		2795.00	
8	7.5 A	„		2795.00	
9	10 A	„		2795.00	
10	12 A	„		2795.00	
11	16 A	„		2795.00	
12	25 A	„		7108.00	
13	30 A	„		7108.00	
14	35 A	„		7108.00	
15	50 A	„		7108.00	
16	60 A	„		7108.00	
17	63 A	„	6571.00	-	8211.00
18	70 A	„		7108.00	
19	100 A	„	6571.00	12039.00	8211.00
20	120 A	„		12039.00	
21	160 A	„	9897.00	12039.00	12742.00
22	200 A	„		15066.00	
23	230 A	„		15066.00	
24	250 A	„	13952.00	15066.00	15846.00
25	275 A	„		16281.00	
26	325 A	„		16281.00	
27	350 A	„		16281.00	
28	400 A	„	17162.00	16281.00	17901.00
29	500 A	„	19313.00	-	20640.00

6. Earth fault Module of MCCB for external CTs (%VA, 5P10) without CT

Sl. No.	Rating	Unit	Rate Rs.
1	100 A	Each	4531.00
2	125 A	„	4531.00
3	160 A	„	4531.00
4	200 A	„	4531.00
5	250 A	„	5133.00
6	400 A	„	5133.00
7	630 A	„	4531.00
8	800 A	„	4531.00

7. Accessories for MCCBs

Sl. No.	Description	Unit	Rate Rs.
	Auxiliary Switch (1 NO + 1 NC)		
1	Up to 400A	Each	580.00
2	630A	„	1397.00
	Auxiliary Contact Block		

1	Up to 200A (I change over contact)	„	592.00
2	250/ 400/ 630A (2 change over contacts)	„	962.00
Auxiliary Switch + Alarm switch (1 NO + 1 NC & 1 NO)			
1	Up to 400A	„	787.00
2	630A	„	1620.00
Trip Alarm Contact			
1	For 100 – 200 A	„	592.00
2	For 250 – 630 A	„	911.00
Under Voltage release			
1	For all voltage ranges up to 400A MCCB	„	1509.00
2	For all voltage ranges 630A to 1600A MCCB	„	1605.00
3	Delayed Under Voltage release		3544.00
Shunt release			
1	For all voltage ranges up to 400A MCCB	„	1122.00
2	For all voltage ranges 630A to 1600A MCCB	„	1392.00
Rotary drive Kit (including BUC handle with door inter-lock defeat and pad lock facility)			
1	Up to 160A	„	842.00
2	200 – 250A	„	878.00
3	315- 400A	„	1050.00
4	630 – 800A	„	1268.00
Spreader /Terminal adapter Kit			
1	100 -200 A (1 set)	„	228.00
2	250 – 630 A (3 with 1 shroud	„	785.00
Kastel inter-lock kit			
1	Up to 250A	„	1721.00
2	315 to 800A	„	1721.00
Motorised Drive			
1	Up to 250A	„	12434.00
2	315-400A	„	18179.00
3	630 – 800A	„	22857.00

PART XIII

CONTACTORS

1. 3 pole Power Contactors (*motor application*)

Sl. No.	AC 3 Rating	Unit	AC coil		DC coil	
			Auxiliary Contacts	Rate Rs.	Auxiliary Contacts	Rate Rs.
1	9 A	Each	1 NO, 1 NC	529.00	1 NO, 1 NC	1124.00
2	12 A	„	1 NC, 1 NC	690.00	1 NO, 1 NC	1233.00
3	16 / 17 / 18 A	„		736.00		1382.00
4	22 A	„		800.00		1235.00
5	25 / 26 A	„		1007.00	1 NO, 1 NC	2273.00
6	32 A	„		1837.00		2893.00
7	37 / 38 A	„		2612.00		3516.00
8	40 A	„		2960.00	2 NO+2 NC	
9	45 A	„	2 NO+2 NC	3392.00	2 NO+2 NC	4961.00
10	50 A	„	1 NO+1 NC	3493.00		4961.00
11	63 / 65 A	„	2 NO+2 NC	4632.00	2 NO+2 NC	5392.00
12	70 A	„	2 NO+2 NC	4898.00	2 NO+2 NC	6328.00

13	75 A	„	2 NO+2 NC	5331.00	2 NO+2 NC	6936.00
14	85 A	„	2 NO+2 NC	6531.00	2 NO+2 NC	7999.00
15	95 / 96 A	„	1 NO+1 NC	6784.00		
16	110 A	„	2 NO+2 NC	7589.00	2 NO+2 NC	10062.00
17	140 A	„	2 NO+2 NC	9720.00	2 NO+2 NC	12403.00
18	145 A	„	1 NO+1 NC	10125.00	1 NO+1 NC	13061.00
19	170 A	„	2 NO+2 NC	13163.00	2 NO+2 NC	15998.00
20	185 A	„	1 NO+1 NC	13568.00	1 NO+1 NC	18073.00
21	200 A	„		14490.00		
22	205 A	„	2 NO+2 NC	14934.00	2 NO+2 NC	18124.00
23	250 A	„	2 NO+2 NC	17618.00	2 NO+2 NC	20149.00
24	300 A	„	2 NO+2 NC	20644.00	2 NO+2 NC	24629.00
25	400 A	„			1 NO+1 NC	26629.00
26	400 A		2 NO+2 NC	25718.00	2 NO+2 NC	29059.00
27	460 A	„	1 NO+1 NC	36450.00	1 NO+1 NC	36450.00
28	475 A	„	2 NO+2 NC	37463.00	2 NO+2 NC	43031.00
29	580 A	„	1 NO+1 NC	55688.00	1 NO+1 NC	55688.00
30	630 A	„	4 NO+4 NC	109502.00	3 NO+3 NC	121652.00
31	750 A	„	1 NO+1 NC	70875.00	1 NO+1 NC	70875.00
32	820 A	„	4 NO+4 NC	172125.00	3 NO+3 NC	192375.00
33	860 A				1 NO+1 NC	149344.00

2. 3 pole Power Contactors (*general application*).

Sl. No.	AC 3 Rating	Unit	AC coil		DC coil	
			Auxiliary Contacts	Rate Rs.	Auxiliary Contacts	Rate Rs.
1	2	3	4	5	6	7
1	9 A	Each	1 NO, 1 NC	540.00	1 NO, 1 NC	810.00
2	12 A	„	1 NO, 1NC	599.00	1 NO, 1NC	881.00
3	18 A	„	1 NO, 1NC	671.00		967.00
4	25 A	„		832.00	6	1367.00
5	32 A	„		1866.00		3088.00
6	40 A	„		2793.00		3797.00
7	45 A	„	2 NO+2 NC	3504.00	2 NO+2 NC	5265.00
8	50 A	„	2 NO+2 NC	3519.00	2 NO+2 NC	
9	55 A	„	2 NO+2 NC		2 NO+2 NC	
10	65 A	„	2 NO+2 NC	4860.00	2 NO+2 NC	5923.00
11	70 A	„	2 NO+2 NC	4813.00		
12	75 A	„	2 NO+2 NC	5923.00	2 NO+2 NC	7290.00
13	80 A	„	2 NO+2 NC	5744.00		
14	85 A	„	2 NO+2 NC	6834.00	2 NO+2 NC	8556.00
15	95 A	„	2 NO+2 NC	6676.00		
16	110 A	„	2 NO+2 NC	7753.00	2 NO+2 NC	9872.00
17	140 A	„	2 NO+2 NC	9977.00	2 NO+2 NC	13112.00
18	170 A	„	2 NO+2 NC	13821.00	2 NO+2 NC	16706.00
19	185 A	„	2 NO+2 NC	13145.00		
20	205 A	„	2 NO+2 NC	15188.00	2 NO+2 NC	19136.00
21	225 A	„	2 NO+2 NC	15163.00		
22	250 A	„	2 NO+2 NC	18124.00	2 NO+2 NC	21870.00
23	265 A	„	2 NO+2 NC	17595.00		
24	300 A	„	2 NO+2 NC	21921.00	2 NO+2 NC	25161.00

25	325 A	„	2 NO+2 NC	21218.00		
26	400 A	„	2 NO+2 NC	25653.00	2 NO+2 NC	30578.00
27	475 A	„	2 NO+2 NC	38981.00	2 NO+2 NC	44753.00
28	550 A	„	2 NO+2 NC	38295.00		

3. 4 pole Power Contactors

Sl. No.	AC 1 Rating	Unit	AC coil		DC coil	
			Auxiliary Contacts	Rate Rs.	Auxiliary Contacts	Rate Rs.
1	16 A	Each		668.00		
2	25 A	„		763.00		1873.00
3	30 / 32 A	„		839.00		2278.00
4	40 A	„		1139.00		
5	45 A	„		1418.00		2784.00
6	50 A	„	1 NO+1 NC	1604.00		
7	60 / 63 A	„	1 NO+1 NC	3209.00		
8	70 A	„	1 NO+1 NC	4223.00		6581.00
9	80 A	„	1 NO+1 NC	4223.00		
10	100 A	„	1 NO+1 NC	5370.00		7088.00
11	125 / 130 A	„	1 NO+1 NC	7166.00		7594.00
12	160 A	„	1 NO+1 NC	7166.00		
13	200 A	„	1 NO+1 NC	9936.00	1 NO+1 NC	18225.00
14	250 / 255 A	„	1 NO+1 NC	12070.00	1 NO+1 NC	20655.00
15	300 A	„	2 NO+2 NC	14347.00	1 NO+1 NC	27084.00
16	325 A	„	2 NO+2 NC	20631.00		
17	350 / 360 A	„	2 NO+2 NC	23511.00	1 NO+1 NC	32046.00
18	400 A	„	2 NO+2 NC	28463.00		
19	500 A	„	2 NO+2 NC	33120.00		
20	550 A	„	1 NO+1 NC	39336.00	1 NO+1 NC	51334.00

4. Capacitor duty contactors for switching capacitor banks with AC Coil, 3 Pole.

Sl. No.	For capacitor banks of Rating	Auxiliary Contacts	Unit	Rate Rs.
1	4 – 7 KVAR	1 NO	Each	1215.00
2	7.5 – 10 KVAR	1 NO	„	1266.00
3	11 – 15 KVAR		„	1519.00
4	16 – 25 KVAR		„	2430.00
5	28 – 50 KVAR	1 NO	„	7341.00
6	60 KVAR		„	7594.00
7	70 KVAR		„	9163.00
8	80 KVAR		„	10581.00

5. Mini Power Contactors.

Sl. No.	AC 3 Rating	Unit	3 Pole Mini contactor			4 Pole Mini contactor	
			Auxiliary Contacts	Rate Rs.		Rate Rs.	
				AC coil	DC coil	AC coil	DC coil
1	6 A	Each	1 NO/1 NC	466.00	709.00		
2	9 A	„	1 NO/1 NC	606.00	739.00	683.00	683.00
3	12 A	„	1 NO/1 NC	646.00	793.00	734.00	734.00

PART XIV**AIR CIRCUIT BREAKERS AND ACCESSORIES****1. ACBs with thermal magnetic release with OL & SC protection.**

Sl. No.	Rating	Unit	Rate Rs.			
			3 Pole ACB		4 Pole ACB	
			Manual Draw Out	Electrical Draw Out	Manual Draw Out	Electrical Draw Out
1	800 A	Each	77769.00	106127.00	101959.00	137228.00
2	1000 A	„	81688.00	110509.00	109119.00	143961.00
3	1250 A	„	102992.00	132204.00	134342.00	172069.00
4	1600 A	„	112575.00	140160.00	147452.00	183825.00
5	2000 A	„	135575.00	164900.00	177128.00	214284.00

2. Microprocessor based ACBs with Overload, Instantaneous SC, Delayed SC, and Ground fault protection.

Sl. No.	Rating	Unit	Rate Rs.			
			3 Pole ACB		4 Pole ACB	
			Manual Draw Out	Electrical Draw Out	Manual Draw Out	Electrical Draw Out
1	630 A	Each	82465.00	106619.00	107409.00	131563.00
2	800 A	„	90737.00	117563.00	115051.00	146739.00
3	1000 A	„	95461.00	123195.00	121891.00	153312.00
4	1250 A	„	117456.00	144864.00	151495.00	180458.00
5	1600 A	„	127625.00	153489.00	161969.00	191253.00
6	2000 A	„	153269.00	177664.00	196223.00	223208.00

3. Accessories for ACBs.

Sl. No.	Description	Unit	Rate Rs.
1	Shunt release	Each	1884.00
2	Instantaneous Under Voltage release	„	2405.00
3	Under Voltage release with time delay 0.2 sec. to 3.2 sec.	„	4556.00
4	Motorized operating mechanism	„	25810.00
5	Mutual mechanical inter-lock	„	8978.00
6	CT for 3P and 4P circuit breakers for neutral overload and ground fault protection		
a	630 A	„	1683.00
b	800 A	„	1683.00
c	1000 A	„	1683.00
d	1250 A	„	1683.00
e	1600 A	„	1683.00
f	2000 A	„	2469.00
7	Castel Key and pad lock combination	„	1924.00

PART XV

DIGITAL PROTECTIVE RELAYS

1. 3 Phase over current + Earth fault relay.

CT rating 1 A or 5A, field selectable

Sl. No.	Aux. Supply voltage	Output contacts	Unit	Rate Rs.
1	20 – 110 V AC/DC	4 NO	Each	14963.00
2	20 – 110 V AC/DC	2 NO + 2NC	„	14963.00
3	88 – 264 V AC/DC	4 NO	„	14963.00
4	88 – 264 V AC/DC	2 NO + 2NC	„	14963.00

2. 3 Phase over current + Earth fault relay with high set.

CT rating 1 A or 5A, field selectable

Sl. No.	Aux. Supply voltage	Output contacts	Unit	Rate Rs.
1	20 – 110 V AC/DC	4 NO	Each	20306.00
2	20 – 110 V AC/DC	2 NO + 2NC	„	20306.00
3	88 – 264 V AC/DC	4 NO	„	20306.00
4	88 – 264 V AC/DC	2 NO + 2NC	„	20306.00

3. 3 Phase over current + Earth fault relay with high set & RS – 485.

CT rating 1 A or 5A, **not** field selectable

Sl. No.	Aux. Supply voltage	CT secondary (A)		Unit	Rate Rs.
		In	On		
1	20 – 110 V AC/DC	1 A	1 A	Each	33131.00
2	20 – 110 V AC/DC	5 A	5 A	„	33131.00
3	88 – 264 V AC/DC	1 A	1 A	„	33131.00
4	88 – 264 V AC/DC	5 A	5 A	„	33131.00

4. Single Phase over current or Earth fault relay.

Sl. No.	Aux. Supply voltage	CT secondary (A)	Unit	Rate Rs.
1	20 – 110 V AC/DC	1 A	Each	8016.00
2	20 – 110 V AC/DC	5 A	„	8016.00
3	88 – 264 V AC/DC	1 A	„	8016.00
4	88 – 264 V AC/DC	5 A	„	8016.00

5. Single Phase sensitive earth fault relay.

Sl. No.	Aux. Supply voltage	CT secondary (A)	Unit	Rate Rs.
1	20 – 110 V AC/DC	1 A	Each	8016.00
2	20 – 110 V AC/DC	5 A	„	8016.00

3	88 – 264 V AC/DC	1 A	„	8016.00
4	88 – 264 V AC/DC	5 A	„	8016.00

6. Single Phase Under voltage or Over voltage relay.

Sl. No.	Aux. Supply voltage	Unit	Rate Rs.
1	20 – 110 V AC/DC	Each	8016.00
2	88 – 264 V AC/DC	„	8016.00

7. Instantaneous earth fault relay.

CT rating 1 A or 5A, not field selectable

Sl. No.	CT secondary (A)	Range	Unit	Rate Rs.
1	1 A	10 – 40 %	Each	7161.00
2	1 A	20 – 80 %	„	7161.00
3	5 A	10 – 40 %	„	7161.00
4	6 A	20 – 80 %	„	7161.00

8. Reverse Power relay.

Sl. No.	Aux. Supply voltage	CT secondary (A)	Unit	Rate Rs.
1	20 – 110 V AC/DC	1 A	Each	7161.00
2	20 – 110 V AC/DC	5 A	„	7161.00
3	88 – 264 V AC/DC	1 A	„	7161.00
4	88 – 264 V AC/DC	5 A	„	7161.00

9. Mini Motor Protection relay.

Sl. No.	Thermal Overload range	Unit	Rate Rs.
1	1 – 2.75	Each	4809.00
2	2 – 5.5	„	4809.00
3	4 – 11	„	4809.00
4	8 – 22	„	4809.00
5	16 – 44	„	4809.00
6	32 – 88	„	4809.00

10. Neutral displacement relay.

Sl. No.	Aux. Supply voltage	Unit	Rate Rs.
1	20 – 110 V	Each	8764.00
2	88 – 264 V	„	8764.00

11. Control & Supervisory relay.

Sl. No.	Description	Unit	Rate Rs.
1	PT Fuse failure relay	Each	6947.00
2	Eight Stage APFC relay	„	11756.00
3	Fourteen Stage APFC relay	„	13359.00
4	Trip circuit supervision relay 20 – 110 V AC/DC	„	8016.00
5	Trip circuit supervision relay 88 – 264 V AC/DC	„	8016.00

12. Other relays.

Sl. No.	Description	Unit	Rate Rs.
1	2	3	4
1	Feeder Manager 20 – 110 V	Each	213750.00
2	Feeder Manager 88 – 264 V	„	213750.00
3	Frequency relay 20 – 110 V	„	101531.00
4	Frequency relay 88 – 264 V	„	101531.00
5	Motor protection relay 20 – 110 V	„	58781.00
6	Motor protection relay 88 – 264 V	„	58781.00
7	Motor protection relay with Voltage Input 20 – 110 V	„	74813.00
8	Motor protection relay with Voltage Input 88 – 264 V	„	74813.00
9	Generator Protection relay for Generators with NGR (Neutral grounding resistor) 20 – 110 V	„	187031.00
10	Generator Protection relay for Generators with NGR (Neutral grounding resistor) 88 – 264 V	„	187031.00
11	Generator Protection relay for Generators without NGR (Neutral grounding resistor) 20 – 110 V	„	187031.00
12	Generator Protection relay for Generators without NGR (Neutral grounding resistor) 88 – 264 V	„	187031.00
13	Deferential relay for Generator 20 – 110 V	„	235125.00
14	Deferential relay for Generator 88 – 264 V	„	235125.00
15	Deferential relay for Transformer 20 – 110 V	„	197719.00
16	Deferential relay for Transformer 88 – 264 V	„	197719.00
1	2	3	4
17	3 PH O/C & E/F Relay for Transformer 20 – 110 V	„	101531.00
18	4 PH O/C & E/F Relay for Transformer 88 – 264 V	„	101531.00
19	Synchro check relay 20 – 110 V	„	122906.00
20	Synchro check relay 88 – 264 V	„	122906.00
21	Auto Synchronizing relay 20 – 110 V	„	128250.00
22	Auto Synchronizing relay 88 – 264 V	„	128250.00
23	U/V Relay with Neutral monitoring 20 – 110 V	„	98325.00
24	U/V Relay with Neutral monitoring 88 – 264 V	„	98325.00
25	Power Management relay 20 – 110 V	„	144281.00
26	Power Management relay 88 – 264 V	„	144281.00
27	Load Sharing Relay 20 – 110 V	„	82294.00
28	Load Sharing Relay 88 – 264 V	„	82294.00
29	RS232 – RS485 Converter	„	26719.00
30	Communication software	„	149625.00

PART XVI**PANEL MOUNTING METERS**

1. Analogous meters

1.A. AC Voltmeters with 90° deflection scale – accuracy class 1

Sl. No.	Range	Unit	Rate Rs.		
			72 x 72 mm	96 x 96 mm	144 x 144 mm
1	0-6 V	Each	317.00	369.00	528.00
2	0-10 V	„	317.00	369.00	528.00
3	0-15 V	„	317.00	369.00	528.00
4	0-25 V	„	317.00	369.00	528.00
5	0-40 V	„	317.00	369.00	528.00
6	0-60 V	„	317.00	369.00	528.00
7	0-100 V	„	317.00	369.00	528.00
8	0-150 V	„	317.00	369.00	528.00
9	0-200 V	„	317.00	369.00	528.00
10	0-250 V	„	317.00	369.00	528.00
11	0-300 V	„	317.00	369.00	528.00
12	0-400 V	„	361.00	384.00	384.00
13	0-500 V	„	361.00	384.00	384.00
14	0-600 V	„	361.00	384.00	384.00
15	0-15 KV PT 11KV/110 V	„	317.00	369.00	528.00

1.B. AC Voltmeters with 240° deflection scale – accuracy class 1

Sl. No.	Range	Unit	Rate Rs.		
			72 x 72 mm	96 x 96 mm	144 x 144 mm
1	0-6 V	Each	937.00	987.00	1143.00
2	0-10 V	„	937.00	987.00	1143.00
3	0-15 V	„	937.00	987.00	1143.00
4	0-25 V	„	937.00	987.00	1143.00
5	0-40 V	„	937.00	987.00	1143.00
6	0-60 V	„	937.00	987.00	1143.00
7	0-100 V	„	937.00	987.00	1143.00
8	0-150 V	„	937.00	987.00	1143.00
9	0-200 V	„	937.00	987.00	1143.00
10	0-250 V	„	937.00	987.00	1143.00
11	0-300 V	„	937.00	987.00	1143.00
12	0-400 V	„	937.00	987.00	1143.00
13	0-500 V	„	937.00	987.00	1143.00
14	0-600 V	„	937.00	987.00	1143.00
15	0-15 KV PT 11KV/110 V	„	937.00	987.00	1143.00

1.C. AC Ammeters – Direct reading type with 90° deflection scale – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.			
			48 x 48 mm	72 x 72 mm	96 x 96 mm	144 x 144 mm

1	0-100 mA	Each	329.00	332.00	469.00	295.00
2	0-150 mA	„	329.00	332.00	469.00	295.00
3	0-250 mA	„	329.00	332.00	469.00	295.00
4	0-400 mA	„	329.00	332.00	469.00	295.00
5	0-600 mA	„	329.00	332.00	469.00	295.00
6	0-1 A	„	329.00	332.00	469.00	295.00
7	0-1.50 A	„	329.00	332.00	469.00	295.00
8	0-2.50 A	„	329.00	332.00	469.00	295.00
9	0-3 A	„	329.00	332.00	469.00	295.00
10	0-4 A	„	329.00	332.00	469.00	295.00
11	0-5 A	„	329.00	332.00	469.00	295.00
12	0-6 A	„	329.00	332.00	469.00	295.00
13	0-10 A	„	329.00	332.00	469.00	295.00
14	0-15 A	„	329.00	332.00	469.00	295.00
15	0-20 A	„	329.00	332.00	469.00	295.00
16	0-25 A	„	329.00	332.00	469.00	295.00
17	0-30 A	„	329.00	332.00	469.00	295.00
18	0-40 A	„	407.00	386.00	551.00	370.00
19	0-50 A	„	407.00	386.00	551.00	370.00
20	0-60 A	„	407.00	386.00	551.00	370.00
21	0-75 A	„	407.00	386.00	551.00	370.00
22	0-100 A	„		386.00	551.00	370.00

1.D. AC Ammeters – CT operated type – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.			
			48 x 48 mm	72 x 72 mm	96 x 96 mm	144 x 144 mm
1	90° deflection scale, -/1A or -/5A with dial	Each	329.00	295.00	332.00	469.00
2	240° deflection scale, -/1A or -/5A with dial	„		937.00	987.00	1143.00

1.E. AC Bimetal type maximum demand Ammeters – CT operated type – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.	
			72 x 72 mm	96 x 96 mm
1	90° deflection scale, -/1A or -/5A with dial	Each	1082.00	1116.00

1.F. AC Bimetal type maximum demand Ammeters with instantaneous ammeter-CT operated type – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.	
			72 x 72 mm	96 x 96 mm
1	90° deflection scale, -/1A or -/5A with dial	Each	1345.00	1378.00

1.G. Frequency meters with 90° deflection scale – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.		
			72 x 72 mm	96 x 96 mm	144 x 144 mm
1	45-50-55 Hz, 110 V	Each	656.00	689.00	754.00
2	45-50-55 Hz, 240 V	„	656.00	689.00	754.00
3	45-50-55 Hz, 440 V	„	656.00	689.00	754.00
4	48-50-52 Hz, 110 V	„	656.00	689.00	754.00
5	48-50-52 Hz, 240 V	„	656.00	689.00	754.00
6	48-50-52 Hz, 440 V	„	656.00	689.00	754.00

1.H. Frequency meters with 240° deflection scale – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.	
			96 x 96 mm	144 x 144 mm
1	45-50-55 Hz, 110 V	Each	1537.00	1687.00
2	45-50-55 Hz, 240 V	„	1537.00	1687.00
3	45-50-55 Hz, 440 V	„	1537.00	1687.00
4	48-50-52 Hz, 110 V	„	1537.00	1687.00
5	48-50-52 Hz, 240 V	„	1537.00	1687.00
6	48-50-52 Hz, 440 V	„	1537.00	1687.00

1.I. Frequency meters –vibrating reed type – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.		
			72 x 72 mm	96 x 96 mm	144 x 144 mm
1	45/47-50- 53/55 Hz, 110 V	Each	455.00	533.00	715.00
2	45/47-50- 53/55 Hz, 240 V	„	455.00	533.00	715.00
3	45/47-50- 53/55 Hz, 440 V	„	455.00	533.00	715.00

1.J. Power factor meters (balanced/ unbalanced load type) with 90° deflection scale – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.		
			72 x 72 mm	96 x 96 mm	144 x 144 mm
1	2	3	4	5	6
1	E1C, 0.50-1-0.50, 240V,1A, 1 Ph, 1 ele.	Each	1148.00	1181.00	1246.00
2	E1C, 0.50-1-0.50, 240V, 5A, 1 Ph, 1 ele.	„	1148.00	1181.00	1246.00
3	E1C, 0.80-1-0.80, 240V, 1A, 1 Ph, 1 ele.	„	1148.00	1181.00	1246.00
4	E1C, 0.80-1-0.80, 240V, 5A, 1 Ph, 1 ele.	„	1148.00	1181.00	1246.00
5	D1C, 0.50-1-0.50, 110V,1A, 3 Ph, 1 ele.	„	1148.00	1181.00	1246.00
6	D1C, 0.50-1-0.50, 110V, 5A, 3 Ph, 1 ele.	„	1148.00	1181.00	1246.00
7	D1C, 0.50-1-0.50, 440V,1A, 3 Ph, 1 ele.	„	1148.00	1181.00	1246.00
8	D1C, 0.50-1-0.50, 440V, 5A, 3 Ph, 1 ele.	„	1148.00	1181.00	1246.00
9	D1C, 0.80-1-0.80, 110V,1A, 3 Ph, 1 ele.	„	1148.00	1181.00	1246.00
10	D1C, 0.80-1-0.80, 110V, 5A, 3 Ph, 1 ele.	„	1148.00	1181.00	1246.00
11	D1C, 0.80-1-0.80, 440V,1A, 3 Ph, 1 ele.	„	1148.00	1181.00	1246.00
12	D1C, 0.80-1-0.80, 440V, 5A, 3 Ph, 1 ele.	„	1148.00	1181.00	1246.00

13	D2C, 0.50-1-0.50, 110V, 1A, 3Ph, 2 ele, 3W	„		2623.00	2952.00
14	D2C, 0.50-1-0.50, 110V, 5A, 3Ph, 2 ele, 3W	„		2623.00	2952.00
15	D2C, 0.50-1-0.50, 440V, 1A, 3Ph, 2 ele, 3W	„		2623.00	2952.00
16	D2C, 0.50-1-0.50, 440V, 5A, 3Ph, 2 ele, 3W	„		2623.00	2952.00
17	V3C, 0.50-1-0.50, 110V, 1A, 3Ph, 3 ele, 3W	„		3215.00	3609.00
18	V3C, 0.50-1-0.50, 110V, 5A, 3Ph, 3 ele, 3W	„		3215.00	3609.00
19	V3C, 0.50-1-0.50, 440V, 1A, 3Ph, 3 ele, 3W	„		3215.00	3609.00
20	V3C, 0.50-1-0.50, 440V, 5A, 3Ph, 3 ele, 3W	„		3215.00	3609.00

1.K. Power factor meters (balanced/ unbalanced load type) with 240° deflection scale – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.	
			96 x 96 mm	144 x 144 mm
1	2	3	4	5
1	E1C, 0.50-1-0.50, 240V, 1A, 1 Ph, 1 ele.	Each	Rounded to Rs	Rounded to Rs
2	E1C, 0.50-1-0.50, 240V, 5A, 1 Ph, 1 ele.	„	2249.00	2873.00
3	E1C, 0.80-1-0.80, 240V, 1A, 1 Ph, 1 ele.	„	2249.00	2873.00
4	E1C, 0.80-1-0.80, 240V, 5A, 1 Ph, 1 ele.	„	2249.00	2873.00
5	D1C, 0.50-1-0.50, 110V, 1A, 3 Ph, 1 ele.	„	2249.00	2873.00
6	D1C, 0.50-1-0.50, 110V, 5A, 3 Ph, 1 ele.	„	2249.00	2873.00
7	D1C, 0.50-1-0.50, 440V, 1A, 3 Ph, 1 ele.	„	2249.00	2873.00
8	D1C, 0.50-1-0.50, 440V, 5A, 3 Ph, 1 ele.	„	2249.00	2873.00
1	2	3	4	5
9	D1C, 0.80-1-0.80, 110V, 1A, 3 Ph, 1 ele.	„	2249.00	2873.00
10	D1C, 0.80-1-0.80, 110V, 5A, 3 Ph, 1 ele.	„	2249.00	2873.00
11	D1C, 0.80-1-0.80, 440V, 1A, 3 Ph, 1 ele.	„	2249.00	2873.00
12	D1C, 0.80-1-0.80, 440V, 5A, 3 Ph, 1 ele.	„	2249.00	2873.00
13	D2C, 0.50-1-0.50, 110V, 1A, 3Ph, 2 ele, 3W	„	2249.00	2873.00
14	D2C, 0.50-1-0.50, 110V, 5A, 3Ph, 2 ele, 3W	„	4123.00	4748.00
15	D2C, 0.50-1-0.50, 440V, 1A, 3Ph, 2 ele, 3W	„	4123.00	4748.00
16	D2C, 0.50-1-0.50, 440V, 5A, 3Ph, 2 ele, 3W	„	4123.00	4748.00
17	V3C, 0.50-1-0.50, 110V, 1A, 3Ph, 3 ele, 3W	„	4123.00	4748.00
18	V3C, 0.50-1-0.50, 110V, 5A, 3Ph, 3 ele, 3W	„	4498.00	5122.00
19	V3C, 0.50-1-0.50, 440V, 1A, 3Ph, 3 ele, 3W	„	4498.00	5122.00
20	V3C, 0.50-1-0.50, 440V, 5A, 3Ph, 3 ele, 3W	„	4498.00	5122.00

1.L. Power (KW) meters – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.			
			90° deflection scale		240° deflection scale	
			96 x 96 mm	144 x 144 mm	96 x 96 mm	144 x 144 mm
1	1 Ph, 1 ele, -/1A, 240 V	Each	1312.00	1469.00	2711.00	2836.00
2	1 Ph, 1 ele, -/5A, 240 V	„	1312.00	1469.00	2711.00	2836.00
3	3 Ph, 2 ele, -/1A, 110 V	„	2099.00	2344.00	3835.00	3961.00
4	3 Ph, 2 ele, -/5A, 110 V	„	2099.00	2344.00	3835.00	3961.00
5	3 Ph, 2 ele, -/1A, 440 V	„	2099.00	2344.00	3835.00	3961.00
6	3 Ph, 2 ele, -/5A, 440 V	„	2099.00	2344.00	3835.00	3961.00
7	3 Ph, 1 ele, -/1A, 110 V	„	1574.00	1683.00	2711.00	2836.00
8	3 Ph, 1 ele, -/5A, 110 V	„	1574.00	1683.00	2711.00	2836.00
9	3 Ph, 1 ele, -/1A, 440 V	„	1574.00	1683.00	2711.00	2836.00
10	3 Ph, 1 ele, -/5A, 440 V	„	1574.00	1683.00	2711.00	2836.00

11	3 Ph, 3 ele, -/1A, 110 V	„	2623.00	2918.00	3835.00	3961.00
12	3 Ph, 3 ele, -/5A, 110 V	„	2623.00	2918.00	3835.00	3961.00
13	3 Ph, 3 ele, -/1A, 440 V	„	2623.00	2918.00	3835.00	3961.00
14	3 Ph, 3 ele, -/5A, 440 V	„	2623.00	2918.00	3835.00	3961.00

1.M. Power (KVAR) meters – accuracy class 1.

Sl. No.	Range	Unit	Rate Rs.			
			90° deflection scale		240° deflection scale	
			96 x 96 mm	144 x 144 mm	96 x 96 mm	144 x 144 mm
1	1 Ph, 1 ele, -/1A, 240 V	Each	1312.00	1469.00	2711.00	2836.00
2	1 Ph, 1 ele, -/5A, 240 V	„	1312.00	1469.00	2711.00	2836.00
3	3 Ph, 2 ele, -/1A, 110 V	„	2099.00	2344.00	3835.00	3961.00
4	3 Ph, 2 ele, -/5A, 110 V	„	2099.00	2344.00	3835.00	3961.00
5	3 Ph, 2 ele, -/1A, 440 V	„	2099.00	2344.00	3835.00	3961.00
6	3 Ph, 2 ele, -/5A, 440 V	„	2099.00	2344.00	3835.00	3961.00
7	3 Ph, 3 ele, -/1A, 110 V	„	2623.00	2918.00	3835.00	3961.00
8	3 Ph, 3 ele, -/5A, 110 V	„	2623.00	2918.00	3835.00	3961.00
9	3 Ph, 3 ele, -/1A, 440 V	„	2623.00	2918.00	3835.00	3961.00
10	3 Ph, 3 ele, -/5A, 440 V	„	2623.00	2918.00	3835.00	3961.00

1.N. Synchroscope – LED type 96 x 96 mm.

Sl. No.	Range	Unit	Rate Rs.
1	440 V	Each	1777.00
2	240 V	„	1777.00
3	110 V	„	1777.00

2. Digital meters.

2.A. Single phase, Three phase, and Multifunction meters.

Sl. No.	Description	Parameter	Unit	Rate Rs.		
				Accuracy class 1	Accuracy class 0.50	Accuracy class 0.20
Single phase meters						
1	Single phase Voltmeter	V	Each	1136.00	1537.00	
2	Single phase Kilo Voltmeter	KV	„	1136.00	1537.00	
3	Single phase Ammeter	A	„	1136.00	1537.00	
4	Single phase Kilo Ammeter	KA	„	1136.00	1537.00	
5	Single phase frequency meter	Hz	„			1367.00
Three phase meters						
1	Three phase Voltmeter	V- RY,YB,BR,R,Y,B	„	1871.00	2405.00	
2	Three phase Kilo Voltmeter	KV- RY,YB,BR,R,Y,B	„	1871.00	2405.00	
3	Three phase Ammeter	A – R,Y,B	„	2059.00	2593.00	
4	Three phase Kilo Ammeter	KA – R,Y,B	„	2059.00	2593.00	

5	Three phase energy meter	KWh / MWh	„	3675.00	4410.00	
Multifunction meters						
1	Multifunction meter to read:	V, A, F Three phase	„	2004.00	2508.00	
2	Multifunction meter to read:	W, Wh or VA, Vah or VAR, VARh or PF – 3 ph	„	4009.00	5011.00	
3	Multifunction meter to read:	W, Wh, PF or VA, Vah, PF or VAR, VARh, PF – 3 ph	„	4677.00	5849.00	

2.B. Monitors & demand controllers

Sl. No.	Description	Unit	Rate Rs.		
			Accuracy class 1	Accuracy class 0.50	Accuracy class 0.20
1	Power & energy monitor without port	Each	19436.00	21865.00	25510.00
2	Power & energy monitor with port	„	24295.00	26876.00	30520.00
3	Trivector monitor without port	„	31887.00	34316.00	37961.00
4	Trivector monitor with port	„	36442.00	39327.00	42971.00
5	Smart demand controller without port	„	41817.00	44247.00	47891.00
6	Smart demand controller with port	„	46306.00	49258.00	52902.00

2.C. Load managers.

Sl. No.	Description	Unit	Rate Rs.	
			Accuracy class 1	Accuracy class 0.50
1	Load manager	Each	11358.00	13362.00
2	Load manager with RS 485	„	16703.00	18707.00
3	Load manager with demand	„	17371.00	19193.00
4	Load manager with demand & RS 485	„	22716.00	24538.00
5	Load manager with I/E option	„	16703.00	18525.00
6	Load manager with I/E option & RS 485	„	22048.00	23870.00
7	Load manager with I/E option & demand	„	20043.00	21865.00
8	Load manager with I/E option, demand & RS 485	„	25388.00	27210.00
9	Power and energy monitor with RS 485	„	9353.00	11358.00
10	V, A, F, PF meter	„	3341.00	5163.00
11	V, A, F, PF meter with RS 485	„	4555.00	6377.00
12	Energy meter	„	11358.00	5466.00
13	Energy meter with RS 485	„	16703.00	6074.00

3. Surface Mounting Meters.

Sl. No.	Description	Unit	Rate Rs.		
			Accuracy class 1	Accuracy class 0.50	Accuracy class 0.20
A	TOD meters				

1	3 Phase, 3 wire, 110 V (L-L), -/1 A CT or -/5A CT	Each	12909.00	16706.00	36956.00
B	Base mount electronic type energy meter – accuracy class 1				
1	Single phase KWh meter, 240 V, 10 – 40 A	„	1822.00	1002.00	1063.00
2	Single phase KWh meter, 240 V, 10 – 60 A	„	2308.00	1002.00	1164.00
3	3 Phase, 3 wire, CT operated, 110 V, 1-2 A	„	4737.00	2643.00	2784.00
4	3 Phase, 3 wire, CT operated, 110 V, 5 – 10 A	„	4737.00	2643.00	2784.00
5	3 Phase, 4 wire, CT operated, 240 V, 1-2 A	„	4737.00	2643.00	2784.00
6	3 Phase, 4 wire, CT operated, 240 V, 5-10 A	„	4252.00	2643.00	2784.00
7	3 Phase, 4 wire, direct reading, 240 V, 5-10 A	„	4252.00	2734.00	2582.00
8	3 Phase, 4 wire, direct reading, 240 V, 10-40 A	„	4252.00	2734.00	2582.00
9	3 Phase, 4 wire, direct reading, 240 V, 50-100 A	„	6074.00		
C	Flush mount electronic type energy meters 96 x 96 mm – accuracy class 1				
1	3 Phase, 4 wire, 240 V, 1 A	„	5163.00		
2	3 Phase, 4 wire, 240 V, 5 A	„	4859.00		
3	3 Phase, 3 wire, 415 V, 1 A	„	5163.00		
4	3 Phase, 3 wire, 415 V, 5 A	„	5163.00		
5	3 Phase, 3 wire, 110 V, 1 A	„	5163.00		
6	3 Phase, 3 wire, 110 V, 5 A	„	5163.00		

4. Cam Switches

Sl. No.	Rating	Unit	Rate Rs.							
			Three Way No Off				Three Way with Off			
			1 Pole	2 Pole	3 Pole	4 Pole	1 Pole	2 Pole	3 Pole	4 Pole
1	16 A	Each	163.00	198.00	305.00	376.00	163.00	198.00	305.00	376.00
2	25 A	„	191.00	227.00	340.00	411.00	191.00	227.00	340.00	411.00
3	32 A	„	206.00	234.00	354.00	418.00	206.00	234.00	354.00	418.00
4	40 A	„	333.00	354.00	496.00	659.00	336.00	354.00	496.00	659.00
5	63 A	„	376.00	411.00	624.00	780.00	376.00	411.00	624.00	780.00

5. Ammeter and Voltmeter Selector Switches

Sl. No.	Rating	Unit	Rate Rs.
1	Ammeter selector switch 6A 3 Pole	Each	106.00
2	Voltmeter selector switch 6 A 3 Pole		
a	To read 3 phases	„	85.00
b	To read 3 phases + N	„	85.00
c	To read 3 Ph & 3Ph.N	„	142.00

6. Current Transformers for Metering and Protection applications.

6.A. Metering CT

Sl. No.	CT ratio	Burden	Accuracy class	Unit	Rate Rs.	
					Tape wound	Resin cast

1	2	3	4	5	6	7
1	20/5, 30/5, 40/5 A	5 VA	5.0	Each	413.00	747.00
2	50/5 to 75/5 A	5 VA	3.0	„	426.00	773.00
3	100/5 A	5 VA	1.0	„	478.00	878.00
4	100/5 A	5 VA	0.5	„	1035.00	983.00
5	120/5 A	5 VA	1.0	„	498.00	760.00
6	120/5 A	5 VA	0.5	„	956.00	865.00
7	150/5 A	5 VA	1.0	„	655.00	681.00
8	150/5 A	5 VA	0.5	„	694.00	727.00
9	200/5 A	5 VA	1.0	„	563.00	773.00
10	200/5 A	5 VA	0.5	„	655.00	825.00
11	250/5 A	5 VA	1.0	„	591.00	773.00
12	250/5 A	5 VA	0.5	„	668.00	865.00
13	300/5 A	5 VA	1.0	„	563.00	747.00
14	300/5 A	5 VA	0.5	„	675.00	852.00
15	400/5 A	5 VA	1.0	„	537.00	760.00
16	400/5 A	5 VA	0.5	„	655.00	825.00
17	200/5 A	10 VA	1.0	„	603.00	917.00
18	200/5 A	10 VA	0.5	„	786.00	983.00
19	250/5 A	10 VA	1.0	„	707.00	917.00
20	250/5 A	10 VA	0.5	„	779.00	983.00
1	2	3	4	5	6	7
21	300/5 A	10 VA	1.0	„	721.00	865.00
22	300/5 A	10 VA	0.5	„	747.00	930.00
23	400/5 A	10 VA	1.0	„	603.00	891.00
24	400/5 A	10 VA	0.5	„	734.00	963.00
25	400/5 A	15 VA	1.0	„	681.00	904.00
26	400/5 A	15 VA	0.5	„	786.00	983.00
27	500/5 A	15 VA	1.0	„	727.00	891.00
28	500/5 A	15 VA	0.5	„	819.00	956.00
29	600/5 A	15 VA	1.0	„	786.00	930.00
30	600/5 A	15 VA	0.5	„	865.00	969.00
31	800/5 A	15 VA	1.0	„	845.00	904.00
32	800/5 A	15 VA	0.5	„	917.00	943.00
33	1000/5 A	15 VA	1.0	„	897.00	969.00
34	1000/5 A	15 VA	0.5	„	983.00	1009.00
35	1200/5 A	15 VA	1.0	„	930.00	1009.00
36	1200/5 A	15 VA	0.5	„	996.00	1048.00
37	1500/5 A	15 VA	1.0	„	1022.00	1140.00
38	1500/5 A	15 VA	0.5	„	1087.00	1186.00
39	1600/5 A	15 VA	1.0	„	1048.00	1179.00
40	1600/5 A	15 VA	0.5	„	1114.00	1218.00
41	2000/5 A	15 VA	1.0	„	1297.00	1336.00
42	2000/5 A	15 VA	0.5	„	1349.00	1376.00

6.B. Protection CT (Tape wound)

Sl.	CT ratio	Burden	Accuracy	Unit	Rate Rs.
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No.			class		
1	100/5 A	5 VA	10P 5	Each	1061.00
2	100/5 A	10 VA	10P 5	„	1795.00
3	150/5 A	7.5 VA	10P 5	„	1087.00
4	150/5 A	7.5 VA	10P 10	„	2351.00
5	200/5 A	10 VA	10P 10	„	2122.00
6	200/5 A	10 VA	10P 5	„	1317.00
7	300/5 A	10 VA	10P 10	„	1251.00
8	300/5 A	10 VA	10P 5	„	2607.00
9	400/5 A	10 VA	10P 10	„	1638.00
10	400/5 A	10 VA	10P 5	„	1402.00
11	500/5 A	15 VA	10P 10	„	2502.00
12	500/5 A	15 VA	10P 5	„	2253.00
13	600/5 A	15 VA	10P 10	„	2122.00
14	600/5 A	15 VA	5P/10P 10	„	2404.00
15	800/5 A	15 VA	5P/10P 10	„	2227.00
16	1000/5 A	15 VA	5P/10P 10	„	2155.00
17	1200/5 A	15 VA	5P/10P 10	„	2273.00
18	1600/5 A	15 VA	5P/10P 10	„	2555.00
19	2000/5 A	15 VA	5P/10P 10	„	2627.00

PART XVII

INDICATION LAMPS AND LEGEND PLATES

1. LED indicators and push button stations.

Sl. No.	Description	Unit	Rate Rs.
1	LED indicator (6 V AC/DC, 12V AC/DC, 24 V AC/DC, 48V AC/DC, 63.5V AC/DC, 110 V AC/DC, 220V DC, 240 V AC), 22.5 mm cut out dia		
a	White colour	„	262.00
b	Blue colour	„	203.00
c	Red, Green, Black, Yellow, Orange colours	„	77.00
2	Compact Integral indicator	„	50.00
3	Flush head Push Button with 1 NC Block	„	58.00
4	Flush head Push Button with 1 NO Block	„	58.00
5	Illuminated flush head Push Button with LED	„	102.00
6	Flush head Actuator – Red with legend ‘stop’, (Contact – 1 NC)	„	211.00
7	Flush head Actuator – Green with legend ‘start’, (Contact – 1 NO)	„	211.00
8	Illuminated Flush head Actuator – Green with legend ‘ON’, (Contact – 1 NO)	„	250.00
9	Illuminated Flush head Actuator – Red with legend ‘OFF’, (Contact – 1 NC)	„	241.00
10	Push button station enclosure 1/ 2/ 3 hole	„	120.00
11	Flush head Actuator – Red with legend ‘stop’, (Contact – 1 NC) and Green with legend ‘start’, (Contact – 1 NO)	„	306.00

2. Legend Plates

Sl. No.	Description and size	Unit	Rate Rs.
Square type aluminium anodised legend plates.			
1	Danger 415 V, 200 x 150 mm	Each	78.50
2	Danger 415 V, 150 x 100 mm	„	42.00
3	Danger 415 V, 125 x 75 mm	„	26.00
4	Danger 415 V, 100 x 75 mm	„	21.00
5	Bus bar chamber, 100 x 40 mm	„	10.50
6	Cable alley, 100 x 40 mm	„	10.50
7	Earth, 40 x 20 mm with 8 mm hole	„	2.60
8	Auto - Manual, 40 x 25 mm with 15 m hole	„	3.90
Square type Enameled danger notice plates			
1	Danger 415 V, 250 x 200 mm	„	165.00
2	Danger 415 V, 200 x 150 mm	„	165.00
3	Danger 415 V, 150 x 100 mm	„	85.00
Semi - oval type aluminium anodised legend plates			
1	ON,OFF, FORWARD, REVERSE, START, STOP, UP, DOWN, R PHASE, Y PHASE, B PHASE, TRIP, OPEN, CLOSE, LEFT, RIGHT, MOTOR ON, MOTOR OFF, ACCEPT, RETRACT, RESET, EMERGENCY, EMERGENCY ON, EMERGENCY OFF,PUMP RUNNING, PUMP OFF, EMERGENCY STOP, SLOW, FAST etc.	„	3.90

PART XVIII

BUSBAR SUPPORTS

1. Conical type Bus bar support system in DMC / Heavy duty L – type SMC bus bar supports.

I. No.	Conical type - DMC			Unit	Rate Rs.	‘L’ type - SMC			Unit	Rate Rs.
	Dimensions in mm					Dimensions in mm				
	Top dia	Bottom dia	Height			Width	Base Length	Height		
1	22	25	25	Each	14.00	50	40	60	Each	38.00
2	23/26	30	30	„	17.50	50	40	85	„	40.00
3	33	40	40	„	27.00	50	40	100/105	„	44.50
4	38/40	50	50	„	55.00	50	40	125	„	48.50
5	38/40	50	60	„	66.00					
6	43/45	55	75	„	102.00					

2. Finger type SMC bus bar supports (single pole).

Sl. No.	Dimensions in mm				Unit	Rate Rs.	
	Width	Height	Thickness	Slot size		1 bus bar	2 bus bar
1	50	70	14	7.2	Each	25.50	
2	50	70	14	11.2	„	25.50	
3	50	70	14	13.7	„	25.50	
4	60	70	14	7.2	„	33.00	33.00
5	60	70	14	11.2	„	33.00	33.00
6	60	70	14	13.7	„	33.00	33.00

7	70	70	14	7.2	„	60.50	60.50
8	70	70	14	11.2	„	60.50	60.50
9	70	70	14	13.7	„	60.50	60.50

3. Finger type SMC bus bar supports (TPN).

Sl. No.	Dimensions in mm				Unit	Rate Rs.	
	Width	Height	Thickness	Slot size		1 bus bar per phase	2 bus bar per phase
1	300	50	10	7.2	Each	115.00	
2	300	50	10	11.2	„	115.00	
3	300	50	10	13.7	„	115.00	
4	350	52	10	7.2	„	147.00	147.00
5	350	52	10	11.2	„	147.00	147.00
6	350	52	10	13.7	„	147.00	147.00
7	420	60	12	7.2	„	220.00	220.00
8	420	60	12	11.2	„	220.00	220.00
9	420	60	12	13.7	„	220.00	220.00

4. DMC Earthing flat supports.

Sl. No.	Description	Unit	Rate Rs.
1	Flat type Earthing flat support suitable for 20x3/20x6/25x3/25x6/32x3/32x6/40x3/40x6 mm flats	Each	44.50
2	T - type Earthing flat support suitable for 20x3/20x6/25x3/25x6/32x3/32x6/40x3/40x6 mm flats	„	47.00

5. Heat shrinkable PVC Sleeves (for bus bar insulation/isolation), 0.2+0.03mm thick, 25% shrinkage and Dielectric 2.5 to 7KV

Sl. No.	Size of sleeve in mm	Size of rod or strip to which the sleeve suits	Unit	Rate Rs.
1	16	8-10 mm dia, 8x4 mm, 6x6 mm, 10x3 mm	Metre	5.60
2	20	10-12 mm dia, 12x3 mm, 9x6 mm	„	6.00
3	27	12x6 mm, 15x3 mm	„	6.70
4	33	15x9 mm, 15x6 mm, 20x3 mm, 18x6 mm, 20x 6 mm, 25x3 mm	„	7.30
5	41	25x6 mm, 25x10 mm, 25x12 mm	„	9.00
6	48	30x6 mm, 30x10 mm	„	10.50
7	55	30x12 mm, 38x6 mm	„	11.50
8	61	38x9 mm, 38x12 mm, 40x6 mm, 40x10 mm	„	12.50
9	73	50x6 mm	„	15.00
10	81	50x10 mm, 50x12 mm, 60x6 mm	„	17.00
11	93	60x10 mm, 60x12 mm, 75x6 mm	„	19.50
12	103	75x10 mm, 75x12 mm	„	21.50
13	110	90x6 mm, 90x12 mm	„	23.00
14	128	100x6 mm, 100x10 mm	„	26.00
15	140	100x12 mm, 110x6 mm, 110 x10 mm	„	29.00
16	170	125x6 mm, 125x12 mm, 150x6 mm	„	35.50
17	190	150x10 mm, 150x12 mm	„	40.00
18	210	175x6 mm, 175x10 mm, 175x12 mm	„	52.50

19	230	200x6 mm, 200x12 mm	„	56.50
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6. Heat Shrinkable tubing (Polyolefin Grade) 50% shrinkage.

Sl. No.	Description		Unit	Rate in Rs.
	ID before shrinkage in mm	ID after shrinkage in mm		
1	2	3	4	5
1	1.00	0.50	M	1.30
2	1.50	0.75	do	1.40
3	2.00	1.00	do	1.70
4	2.50	1.25	do	1.85
5	3.00	1.50	do	2.10
6	3.50	1.75	M	2.20
7	4.00	2.00	do	2.30
8	4.80	2.40	do	2.60
9	5.00	2.50	do	2.45
10	6.00	3.00	do	2.80
11	6.40	3.20	do	3.30
12	7.00	3.50	do	2.65
1	2	3	4	5
13	8.00	4.00	do	2.70
14	9.00	4.50	do	2.85
15	9.50	4.75	do	3.30
16	10.00	5.00	do	3.40
17	12.00	6.00	do	3.50
18	12.70	6.35	do	3.70
19	13.00	6.50	do	4.20
20	14.00	7.00	do	4.80
21	15.00	7.50	do	5.00
22	16.00	8.00	do	5.30
23	18.00	9.00	do	5.70
24	19.00	9.50	do	6.60
25	20.00	10.00	do	6.80
26	22.00	11.00	do	7.30
27	25.40	12.70	do	7.90

PART XIX

CAPACITORS

1. Power Capacitors 3 phase delta connected.

Sl. No.	Rating (KVAR)	Unit	Rate Rs.		
			MPP-S 440 V	MPP-H 440V	MPP-H 520V
1	1	Each	187.00	--	--
2	2	„	375.00	--	--
3	3	„	562.00	--	--
4	4	„	749.00	--	--
5	5	„	937.00	2316.00	3544.00
6	6	„	911.00	2217.00	--

7	7	„	1063.00	--	--
8	7.5	„	1234.00	2772.00	--
9	8	„	1215.00	2957.00	--
10	10	„	1645.00	3620.00	6075.00
11	12.5	„	2056.00	4525.00	6328.00
12	15	„	2278.00	5050.00	7594.00
13	20	„	3038.00	6733.00	10125.00
14	25	„	3797.00	8416.00	12656.00
15	30	„	--	10100.00	--
16	40	„	--	12150.00	--
17	50	„	--	16833.00	--

- Note:-**
1. MPP-S 440 V - Metalised Polypropylene Capacitor (Normal duty – suitable for direct connection to motors)
 2. MPP-H 440 V - Double di-electric Polypropylene Capacitor (Heavy duty – suitable for APFC panel without Block Reactor Transformer)
 3. MPP-H 520 V - Double di-electric Polypropylene Capacitor (Heavy duty – suitable for APFC panel with Block Reactor Transformer)

2. Intelligent Power Factor Controllers (IPFC)

Sl. No.	Description	Rate Rs.
1	6 stage 440 / 110 V 5A/1A	9720.00
2	12 stage 400 / 110 V 5A/1A	12150.00
3	6 stage 440 / 110 V 5A/1A	14048.00
4	8 stage 440 / 110 V 5A/1A	16073.00
5	12 stage 440 / 110V 5A/1A	18731.00
6	14 stage 440 / 110 V 5A/1A	20123.00
7	Static switching Power factor controller up to 8 stage	19111.00
8	Static switching Power factor controller above 8 stage up to 14 stage	23161.00
9	PPCB for RS 485 communication module	7077.00

3. Block Reactors (copper wound suitable for filtering of harmonics up to 7% THD)

Sl. No.	Description	Unit	Rate Rs.
1	Block Reactor Transformers, 400 V suitable for 6 KVAR 460 V	E	8607.00
2	Block Reactor Transformers, 400 V suitable for 12.5 KVAR 460 V	E	9619.00
3	Block Reactor Transformers, 400 V suitable for 15 KVAR 460 V	E	9872.00
4	Block Reactor Transformers, 400 V suitable for 19 KVAR 460 V	E	10024.00
5	Block Reactor Transformers, 400 V suitable for 25 KVAR 460 V	E	16453.00
6	Block Reactor Transformers, 400 V suitable for 30 KVAR 460 V	E	18985.00
7	Block Reactor Transformers, 400 V suitable for 37 KVAR 460 V	E	20908.00
8	Block Reactor Transformers, 400 V suitable for 50 KVAR 460 V	E	23135.00
9	Block Reactor Transformers, 400 V suitable for 62 KVAR 460 V	E	25870.00
10	Block Reactor Transformers, 400 V suitable for 74 KVAR 460 V	E	27328.00
11	Block Reactor Transformers, 400 V suitable for 100 KVAR 460 V	E	29059.00
12	Block Reactor Transformers, 400 V suitable for 124 KVAR 460 V	E	37058.00

13	Block Reactor Transformers, 400 V suitable for 148 KVAR 460 V	E	40490.00
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PART XX

MOTOR STARTERS

1. Single Phase DOL starters

Sl. No.	Motor rating		Relay Range	Unit	Rate Rs.		
	HP	KW			Mechanical		Coil operated
					Group A	Group B	Group B
1	2	3	4	5	6	7	8
1	0.125	0.09	1-1.6	Each	456.00	618.00	
2	0.17	0.13	1-1.6	„	456.00	618.00	
3	0.25	0.19	2.4-4	„	456.00	618.00	
4	0.33	0.25	2.4-4	„	456.00	618.00	
5	0.5	0.37	4-6.5	„	456.00	618.00	747.00
6	0.75	0.56	6-10	„	456.00	618.00	747.00
7	1	0.75	6-10	„	456.00	618.00	747.00
8	1.5	1.12	8.5-14	„	456.00	618.00	861.00
9	2	1.49	12-20	„	456.00	618.00	861.00
10	3	2.24	13-18	„	456.00	618.00	861.00

2. Three Phase DOL starters.

Sl. No.	Motor rating		Relay Range	Unit	Rate Rs.		
	HP	KW			With out SPP		With SPP
					Group A	Group B	Group B
1	0.05	0.04	0.16-0.25	Each		1367.00	
2	0.125	0.09	0.24-0.4	„		1367.00	
3	0.17	0.13	0.4-0.63	„		1367.00	
4	0.25	0.18	0.63-1.0	„		1367.00	
5	0.33	0.25	0.63-1.0	„		1367.00	
6	0.5	0.37	1-1.6	„	1134.00	1367.00	
7	0.75	0.55	1-1.6	„	1063.00	1367.00	
8	1	0.75	2.4	„	992.00	1367.00	
9	1.5	1.10	1.6-2.5	„	1134.00	1367.00	
10	2	1.50	2.5-4	„	1063.00	1367.00	
11	3	2.20	4-6.5	„	1063.00	1367.00	
12	5	3.70	5.5-8.5	„	1063.00	1367.00	
13	5.5	4.00	7-10	„	1134.00		
14	7.5	5.50	9-14	„	1063.00	1347.00	
15	10	7.50	13-21	„	1072.00	1617.00	1671.00
16	12	9.00	13-18	„	2205.00		

17	12.5	9.33	16-24	„		2531.00	
18	15	11.00	20-32	„	1999.00	2582.00	2557.00
19	17.5	13.00	23-32	„		3949.00	
20	20	15.00	20-32	„	2786.00	4253.00	4556.00
21	25	18.50	30-40	„	4472.00	6480.00	
22	30	22.50	28-42	„	5206.00	6632.00	6784.00
23	35	25.00	38-50	„	7830.00		
24	40	30.00	48-57	„	5816.00	8100.00	
25	45	34.00	45-75	„			9518.00
26	50	37.00	57-66	„	7497.00	8606.00	
27	60	45.00	66-80	„	9561.00		
28	75	55.00	84-135	„	10736.00	13112.00	
29	85	63.00	100-150	„	12084.00		
30	100	75.00	124-198	„	13424.00	17213.00	
31	125	90.00	124-198	„		19238.00	

3. Semi-automatic Star Delta Starter.

Sl. No.	Motor rating		Relay Range	Unit	Rate Rs.		
	HP	KW			With out SPP		With SPP
					Group A	Group B	Group B
1	4	3.00	2.5-4	Each	3915.00		
2	5.5	4.00	4-6	„	3915.00		
3	7.5	5.50	5.5-8	„	3915.00		
4	12	9.00	7-10	„	3915.00		
5	12.5	9.30	9-14	„		4354.00	
6	15	11.00	11-18	„	3915.00	4364.00	4708.00
7	20	15.00	13-18	„	4905.00		
8	25	19.00	13-21	„	4860.00	6176.00	5832.00
9	30	22.50	20-32	„	6660.00	6733.00	
10	35	26.00	20-32	„	8100.00	11138.00	9872.00
11	40	30.00	30-40	„	10800.00		
12	50	37.00	30-40	„	13050.00		

4. Fully automatic Star Delta Starter.

Sl. No.	Motor rating		Relay Range	Unit	Rate Rs.		
	HP	KW			With out SPP		With SPP
					Group A	Group B	Group B
1	4	3.00	2.5-4	Each	4590.00		
2	5.5	4.00	4-6	„	4590.00		
3	7.5	5.50	5.5-8	„	4590.00		
4	10	7.50	6.5-10	„	3680.00		
5	12	9.00	7-10	„	4590.00		
6	12.5	9.30	9-14	„	3840.00	5164.00	
7	15	11.00	11-18	„	4215.00	5174.00	5569.00
8	20	15.00	19	„	4985.00	5923.00	
9	25	19.00	13-21	„	5025.00	6784.00	6379.00
10	30	22.50	20-32	„	6340.00	7599.00	
11	35	26.00	20-32	„	8305.00	10960.00	11441.00
12	40	29.80	30-42	„	10930.00	10631.00	
13	50	37.00	28-42	„	13500.00	15188.00	15825.00

14	60	45.00	34-51	„	15600.00		
15	70	51.00	48-57	„	23400.00		
16	75	55.00	45-75	„	17600.00	25945.00	27236.00
17	80	59.00	57-66	„	25650.00		
18	90	67.50	50-75	„	20800.00		29676.00
19	100	75.00	66-80	„	30475.00		
20	125	90.00	66-110	„	31875.00	45765.00	38374.00
21	150	110.00	80-125	„	34000.00		
22	175	130.00	90-150	„			40804.00
23	180	132.00	100-160	„	51300.00		
24	220	160.00	125-200	„	51300.00		
25	250	180.00	135-225	„			
26	270	200.00	160-250	„	60300.00		
27	300	220.00	200-315	„	64800.00		
28	400	300.00	180-300	„		82013.00	

5. Pump starters for single phase Submersible motor pumps (DOL).

Sl. No.	Motor rating		Relay Range	Unit	Rate Rs.
	HP	KW			
1	0.5	0.37	6.5-11	Each	1468.00
2	1	0.75	12-20	„	1493.00
3	1.5	1.12	12-20	„	1595.00
4	2	1.50	12-20	„	1696.00

6. Pump starters for Three phase Submersible motor pumps (DOL type).

Sl. No.	Motor rating		Relay Range	Unit	Rate Rs.
	HP	KW			
1	6	4.50	9-14	Each	3594.00
2	10	7.50	13-21	„	3923.00

7. Pump starters for Three phase Submersible motor pumps (Fully automatic Star Delta).

Sl. No.	Motor rating		Relay Range	Unit	Rate Rs.
	HP	KW			
1	20	15.00	13-21	Each	7391.00
2	20	15.00	28-42	„	9619.00
3	30	22.00	20-33		15188.00
4	30	22.00	30-50		15188.00
5	50	37.00	30-50		21566.00
6	50	37.00	45-75		21566.00

8. Spares for above starters (mentioned under items 1 to 7).

Sl. No.	Description	Unit	Rate Rs.
1	Operating coil	Each	142.00
2	Auxiliary contact Block 1 NO + 1NC	„	193.00
3	Push button unit		90.00
4	Thermal timer with out combination coil		547.00
5	Combination coil		354.00
6	Electronic timer		432.00

9. Auto transformer starter for Squirrel cage Induction motor.

Sl. No.	Motor Rating	Unit	Rate Rs.
1	Up to 15 HP	Each	13292.00
2	16 to 20 HP	„	13381.00
3	21 to 30 HP	„	14337.00
4	31 to 40 HP	„	16099.00
5	41 to 50 HP	„	17503.00
6	51 to 60 HP	„	19773.00
7	61 to 80 HP	„	27449.00
8	81 to 100 HP	„	31093.00
9	101 to 125 HP	„	47013.00
10	126 to 150 HP	„	52211.00

10. Combined Stator Rotor Starter for Slip ring Motor.

Sl. No.	Motor Rating	Unit	Rate Rs.
1	Up to 20 HP	Each	10394.00
2	21 to 30 HP	„	10902.00
3	31 to 40 HP	„	11828.00
4	41 to 50 HP	„	14188.00
5	51 to 60 HP	„	15233.00

11. Stator Rotor Starter with separate OCB for slip ring Motor.

Sl. No.	Motor Rating	Unit	Rate Rs.
1	Up to 70 HP	Each	25060.00
2	71 to 75 HP	„	26046.00
3	76 to 100 HP	„	28883.00
4	101 to 150 HP	„	31810.00
5	151 to 200 HP	„	63441.00

12. Automatic Air Break Auto Transformer Starter.

Sl. No.	Motor Rating	Unit	Rate Rs.
1	Up to 40 HP	Each	25090.00
2	41 to 60 HP	„	31960.00
3	61 to 75 HP	„	45759.00
4	76 to 100 HP	„	56392.00
5	101 to 200 HP	„	103226.00
6	201 to 300 HP	„	144963.00

13. Direct –on-line push button oil immersed motor starters.

Sl. No.	Motor Rating	Unit	Rate Rs.
1	3 / 5 / 7.5 HP	Each	1440.00

2	10 / 12.5 / 15 HP	„	1530.00
3	20 HP	„	1620.00

14. Semi automatic star delta oil immersed motor starters.

Sl. No.	Motor Rating	Unit	Rate Rs.
1	3 / 5 / 7.5 / 10 / 12.5 / 15 HP	Each	3195.00
2	20 HP	„	3375.00
3	25 / 30 / 35 HP	„	3555.00
4	40 HP	„	3825.00

15. Fully automatic star delta oil immersed motor starters.

Sl. No.	Motor Rating	Unit	Rate Rs.
1	3 / 5 / 7.5 / 10 / 12.5 / 15 HP	Each	3465.00
2	20 HP	„	3645.00
3	25 / 30 / 35 HP	„	3825.00
4	40 HP	„	4095.00
5	Bentex kit set	„	198.00
6	Bentex Electronic timer	„	585.00

16. Fully automatic Auto Transformer oil immersed motor starters.

Sl. No.	Motor Rating	Unit	Rate Rs.
1	10 / 15 / 20 HP	Each	16380.00
2	25 / 30 HP	„	16965.00
3	35 / 40 HP	„	19755.00
4	45 / 50 HP	„	26325.00

17. Fully automatic Auto Transformer oil immersed motor starters with SPP.

Sl. No.	Motor Rating	Unit	Rate Rs.
1	10 / 15 / 20 HP	Each	16830.00
2	25 / 30 HP	„	17415.00
3	35 / 40 HP	„	20205.00
4	45 / 50 HP	„	26775.00

PART XXI

LINE MATERIALS

1. ACSR conductors

Sl. No.	Code name	Size in mm	Current rating in Amp	Area of Aluminium	Steel No. / mm	Unit	Rate Rs.
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				sq. mm			
1	Squirrel	6/2.11	79	20	1/ 2.11	Km	14804.00
2	Weasel	6/2.59	100	30	1/ 2.59	„	21845.00
3	Rabbit	6/3.35	148	50	1/ 3.35	„	36837.00
4	Raccoon	6/4.09	197	80	1/ 4.09	„	54566.00

2. Other items

Sl. No.	Description	Unit	Rate Rs.
1	2	3	4
1	2 line cross arm G.I with clamp, bolt and nut	Each	300.00
2	4 line cross arm G.I with clamp, bolt and nut	„	400.00
3	V Cross arm	„	750.00
4	LT pin insulator with pin	„	35.00
1	2	3	4
5	LT shackle insulator complete with straps, nut and bolts.	„	36.00
6	LT Stay insulator	„	8.00
7	Stay tightener 16 mm	„	135.00
8	Stay plate 300 x 300 mm	„	370.00
9	Stay rod	„	200.00
10	Stay wire	Kg.	53.00
11	Round PVC LT line spacer – 2 line	Each	12.00
12	Round PVC LT line spacer – 3 line	„	18.00
13	Round PVC LT line spacer – 4 line	„	25.00
14	PG Clamp for Squirrel	„	19.00
15	PG Clamp for Weasel	„	22.00
16	PG Clamp for Rabbit	„	27.00
17	PG Clamp for Raccoon	„	30.00
18	LT lightning arrester	„	250.00
19	11 KV pin insulator with pin complete set	„	155.00
20	11 KV Disc insulator complete set	Each	675.00
21	11 KV Post insulator complete set	„	550.00
22	11 KV lightning arrester	„	625.00
23	11 KV D.O fuse	„	3150.00
24	11 KV stay set complete	„	1100.00
25	Stay clamp for 11 KV stay	„	230.00
26	Stay rod for 11 KV stay	„	200.00
27	Stay tightener 19 mm	„	165.00
28	Stay plate 600 x 600 mm	„	750.00
29	Stay wire	Kg.	60.00
30	11 KV, 200 A, AB switch complete with operating set	Each	6700.00
31	11 KV, 400 A, AB switch complete with operating set	„	9425.00
32	Silica Gel	Kg.	110.00
33	Transformer oil	Litre	70.00
34	15” long Rubber Hand Gloves, 15 KV	Each	150.00

PART XXII

EARTHING MATERIALS AND ACCESSORIES

Sl.	Description	Unit	Rate Rs.
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No.			
1	2	3	4
1	Copper Strip all sizes	Kg.	468.00
2	Braided copper	„	550.00
3	Copper wire 0 to 14 SWG	„	468.00
4	GI strip all sizes	„	73.00
5	Aluminum strip	„	234.00
6	1200 x 1200 x 12.5 mm CI / GI earth plate	Each	4576.00
7	600 x 600 x 6.3mm CI / GI earth plate	„	1144.00
8	300x300x3mm copper plate	„	1378.00
9	300x300x6mm copper plate	„	2736.00
10	600x600x6mm copper plate	„	10124.00
11	600x600x3mm copper plate	„	5512.00
1	2	3	4
12	Charcoal	m ³	2000.00
13	GI funnel with weld mesh at top	Each	57.00
14	Gully trap with covering box in CI (300x300x10mm)	„	300.00
15	Gully trap with covering box in CI (300x300x6mm)	„	200.00
16	Gully trap with covering box in CI (450x450x10mm)	„	700.00
17	Copper tubular earth socket for 2mm (14 SWG) conductor	„	6.00
18	Copper tubular earth socket for 2.65 mm (12 SWG) conductor	„	6.50
19	Copper tubular earth socket for 3.14 mm (10 SWG) conductor	„	7.50
20	Copper tubular earth socket for 4.00 mm (8 SWG) conductor	„	10.00
21	Copper tubular earth socket for 4.75 mm (6 SWG) conductor	„	16.00
22	Copper tubular earth socket for 6.00 mm (4 SWG) conductor	„	18.00
19	Copper tubular earth socket for 7.00 mm (2 SWG) conductor	„	24.00
20	Copper tubular earth socket for 8.00 mm (0 SWG) conductor	Each	24.00
21	25x3mm brass bolt with hexagonal/square head, nut and washer	„	5.00
22	25x6mm brass bolt with hexagonal/square head, nut and washer	„	7.50
23	12x3mm brass bolt with hexagonal/square head, nut and washers	„	2.50

PART XXIII

RUBBER SHEETS / FRP / SMC SHEETS / PHENOLIC LAMINATED SHEETS AND CRCA SHEETS

1. FRP / SMC / Phenolic laminated / Rubber / sheets

Sl. No.	Thickness of laminate	Unit	Rate Rs.				
			FRP Laminates (1m x 1m)	SMC Laminates (1m x 1m)	SMC chequered plate (1m x 1m)	Phenolic Laminated sheets (1.20m x 1.20m)	Electrical Grade chequered type Rubber mat (2m x 1m)
1	2 mm	Each	1834.00	1703.00	2096.00		
2	3 mm	„	2227.00	2358.00	2751.00	700.00	
3	4 mm	„	2620.00	3144.00		1000.00	
4	5 mm	„	3406.00	3996.00	4585.00		
5	6 mm	„	3668.00	4782.00	6026.00	1500.00	1100.00
6	8 mm	„	4847.00	6419.00	7336.00	2000.00	
7	10 mm	„	5895.00	7991.00	9170.00	2500.00	
8	12 mm	„	7467.00	9563.00	11004.00	3000.00	1900.00
9	16 mm	„	9563.00	12838.00	14672.00		

10	18 mm	„	10480.00	14410.00		
11	20 mm	„	11921.00	15982.00		
12	25 mm	„	14934.00	21746.00		

2. MS Chequered Plates / CRCA / Aluminium / Lead Sheets

Sl. No.	Size	Unit	Rate Rs.
1	MS Chequered plates	Kg	46.00
2	CRCA Sheets	„	43.00
3	Aluminium Sheets	„	220.00
4	Lead Sheets 4 / 5 / 6 mm	„	208.00

PART XXIV

MISCELLANEOUS ITEMS

1. Winding Materials.

Sl. No.	Size	Unit	Rate Rs.
Super enameled copper winding wire.			
1	10 SWG to 19 SWG	Kg	485.00
2	20 SWG to 22 SWG	„	487.00
3	23 SWG to 25 SWG	„	490.00
4	26 SWG to 36 SWG	„	492.00
Other items.			
1	Nanax Paper, 5 mil	Kg	2250.00
2	Nanax Paper, 7 mil	Kg	1300.00
3	Nanax Paper, 10 mil	Kg	1200.00
4	Milnex Paper, 5 / 7 / 10 mil	„	200.00
5	Triflex paper 5 / 7 / 10 mil	„	185.00
6	Pressphan Paper	„	120.00
7	Doctor beck Varnish, air drying bottle	Litre	145.00
8	Sleeve, 1mm	Mtr.	1.50
9	Sleeve, 2mm	„	2.00
10	Sleeve, 3 mm	„	2.70
11	Sleeve, 4 mm	„	3.60
12	Sleeve, 5 mm	„	5.40
13	Sleeve, 6 mm	„	6.00
14	Sleeve, 7 mm	„	6.30
15	Sleeve, 8 mm	„	7.20
16	Sleeve, 9 mm	„	8.10
17	Sleeve, 10 mm	„	9.20
18	Cotton tape, 25 mm (40 m roll)	Roll	25.00
19	Cotton tape, 20 mm (40 m roll)	„	22.00
20	Cotton tape, 12 mm (40 m roll)	„	20.00
21	Fibre glass tape, 25 / 20/ 12 mm (40 m roll)	„	90.00
22	Cotton Waste	Kg.	80.00
23	Banyan Waste	Kg.	120.00

3. Spares for Air Conditioner

Sl. No.	Description	Unit	Rate Rs.
1	2	3	4
1	CCL 2F2 - R 12 gas	Kg	750.00
2	CHCLT2 - K 22 gas	Kg	730.00
3	Tetra Fluoro ethane (R 134 A)	Kg	740.00
4	OLP Compressor 1 HP	E	195.00
5	OLP Compressor 1.5 HP	E	205.00
6	Start relay 1 HP	E	230.00
7	Start relay 1.5 HP	E	245.00
1	2	3	4
8	Thermostat control switch	E	310.00
9	Selector switch	E	75.00
10	Knobs for A/C	E	15.00
11	Running Capacitor 36 mfd 440 V AC	E	390.00
12	Running Capacitor 40 mfd 440 V AC	E	395.00
13	Running Capacitor 45 mfd 440 V AC	E	410.00
14	Running Capacitor 50 mfd 440 V AC	E	425.00
15	Starting Capacitor 60 / 80 mfd 275 V AC	E	250.00
16	Starting Capacitor 80 / 100 mfd 275 V AC	E	285.00
17	Starting Capacitor 100 / 120 mfd 275 V AC	E	310.00
18	Fan Capacitor 2.5 mfd 230 V AC	E	35.00
19	Fan Capacitor 4 mfd 230 V AC	E	65.00
20	Fan Capacitor 5 mfd 230 V AC	E	85.00
21	Fan Capacitor 6.3 mfd 230 V AC	E	95.00
22	Compressor oil R 22	Litre	118.00
23	Compressor rubber bushes	E	10.00
24	Welding rods Cu to Cu	E	15.00
25	Flux for welding (10 Gm)	E	18.00
26	Copper strainer (Double capil) 4.5" (114 mm)long	E	24.00
27	Copper strainer (Double capil) 6" (150 mm)long	E	30.00
28	Copper tube 1/4" (6 mm) O.D 22 SWG	m	83.00
29	Copper tube 5/16" (8 mm) O.D 22 SWG	m	100.00
30	Copper tube 3/8" (10mm) O.D 22 SWG	m	150.00
31	Copper tube 1/2" (12 mm) O.D 22 SWG	m	183.00
32	Copper tube 5/8" (16 mm)O.D 22 SWG	m	216.00
33	Air Filters for A/C Coir	E	65.00
34	Air Filters for A/C Plastic	E	75.00
35	Air Filters for A/C Foam sheet	E	115.00
36	Split AC Valves 1/4" 2 way	E	195.00
37	Split AC Valves 1/4" 3 way	E	215.00
38	Split AC Valves 3/8" 3 way	E	235.00
39	Split AC Valves 1/2" 3 way	E	265.00
40	Split AC Valves 5/8" 3 way	E	295.00
41	Flare nut 1/4"	E	12.00
42	Flare nut 5/16"	E	15.00
43	Flare nut 3/8"	E	18.00
44	Flare nut 1/2"	E	24.00

45	Flare nut 5/8"	E	35.00
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4. Other items

Sl. No.	Description and size	Unit	Rate Rs.
1	M.S. rod type fan clamp for R.C.C. slab neatly painted with one coat of red oxide primer and two coats of enamel paint	Each	30.00
2	Flat iron 40 x 6 mm, 150mm long x 2 Nos with M.S. rod bent to shape, neatly painted with 2 coats of enamel paint over a coat of red oxide primer (fan clamp)	set	40.50
3	L.T. Cable route marker, cast iron, spike and inscription L.T. Cable		
a	102mm Round	„	40.00
b	152mm Round	„	50.00
c	102 x 102mm Square	„	50.00
d	152x 152mm Square		60.00
4	Corrosion inhibiting compound	50 g	22.00
5	Fibre plug	10 Nos.	2.50
6	Phil plug	50 g	5.00
7	Non adhesive PVC insulation tape roll of 3 mtr.	Each	11.00
8	Adhesive PVC insulation tape		
a	19 mm x 10 m length	„	11.50
b	19 mm x 5 m length	„	6.50
9	Teak wood round block		
a	88 x 20 mm	„	6.00
b	88 x 25 mm	„	6.75
c	88 x 38 mm	„	12.00
10	Teak wood pegs		
a	50 x 25 x 19 mm	100 Nos	24.00
b	38 x 25 x 19 mm	„	20.00