

GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

**DELHI SCHEDULE OF RATES
(ELECTRICAL)**

2012



With Effect from 02-01-2012

Published under the Authority of Director General, CPWD, New Delhi

Published by
Director General, CPWD, Nirman Bhawan, New Delhi

Price: Rs. 150/- (excluding postage and forwarding charges etc.)
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FOREWORD

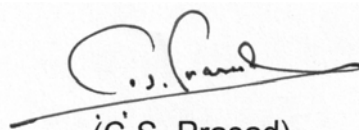
The Schedule of Rates for Electrical Works published by CPWD from time to time is a comprehensive document and is very useful in the execution of Electrical Works. This Delhi Schedule of Rates (Electrical) 2012 is useful not only to the Engineers of the CPWD but also to those of other Government Departments and Undertakings which follow the CPWD Schedule of Rates in their works.

The Schedule of Rates for Electrical Works was first compiled in 1935 followed by number of revisions from time to time in order to bring it in line with the prevailing technology and market rate. In previous years the Schedule of Rates for Electrical Works were published in two parts (Part-I Internal & Part-II External) till 2007.

The last Schedule of Rates for Electrical Works were published in 2007. Now only one Schedule of Rates for Electrical Works is compiled as Delhi Schedule of Rates (Electrical) 2012. The prices of labour and materials have substantially increased since then. Moreover, the country has advanced in the field of electrical technology in the intervening period. The Schedule of Rates has now been revised to take care of not only the increased cost, but also the technological changes and improvements since the last revision. Accordingly, this **Delhi Schedule of Rates (Electrical) 2012** has been prepared.

I acknowledge the hard work put in by Sh. V.K. Mittal, SE(E) S&S and Sh. K.P. Singh EE(E) S&S under the guidance of Sh. A.K. Jain, ADG (NR), Sh. R.K. Singhal, CE(E) NDR and Sh. Mukesh Vij CE(E) DR, without which the revision would not have been possible. I also acknowledge the valuable suggestions of other members of specification committee involved in the process of revision of Delhi Schedule of Rates (Electrical) 2012.

I am sure that this Schedule of Rates will be useful to all concerned.



(C.S. Prasad)
Director General
CPWD, New Delhi

Place: New Delhi.
Dated: 30-12-2011

PREFACE

The Delhi Schedule of Rates (Electrical) 2012 is the revised edition of combination of Schedule of Rates for Electrical Works (Part-I Internal) and Schedule of Rates for Electrical Works (Part –II External). The Delhi schedule of Rates (Electrical) 2012 incorporates most of the items of Schedule of Rates for Electrical Works (Part-I & Part-II) 2007 and will replace the both. The nomenclature of many items has been improved by making it more generic and comprehensive. The items which have become obsolete over a period of time or are not in use have been deleted. Some items have been clubbed to facilitate quick measurements. Many new items using latest technology have also been added.

This Schedule of Rates is based on the study of current market rates of materials at Delhi collected during November 2011 and labour rates are the current minimum wages issued by the Government of Delhi w.e.f. 01-04-2011.

This Schedule of Rates will be read along with CPWD Specifications for Electrical Works. The analysis of rates will be published very soon.

These new items of work include use of compact type air insulated bus trunking and rising mains.

Considering the technological development, use of latest tools and plants and availability of highly skilled labour within the approved labour rates, the material and labour co-efficients have been revised.

Errors, omissions and / or suggestions for improvement, if any, may kindly be brought to the notice of the Superintending Engineer (E) S&S in the office of the Chief Engineer (E) DR, CPWD, Vidyut Bhawan, New Delhi -110001 (Telephone No. 011-23412356)



(R.K. Singhal)
Chief Engineer (E) NDR, CPWD
Chairman, Specification
Committee

Place: New Delhi.
Dated: 30-12-2011

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0 - GENERAL NOTE

The Schedule of Rate has been prepared on the following.

1. The items of works are to be executed as per CPWD General Specification for Electrical Work Part-I Internal. Part-II External and Part-IV Sub-Station with amendments as on December-2011.
2. The rates of labour and material have been provided in appendixes-I & II
3. The rates are complete i.e. including all material, labour, taxes & duties (in Delhi), T&P etc. and over head & Profit as per orders of the department applicable as on date.
4. The rates in this DSR are for working height upto 4.5 meter from floor level wherever height not specified.
5. The rates of material are for reputed brands and factory fabricated and tested.

CHAPTER 1 – WIRING

Code No	Description	Unit	Rate Rs.
WIRING IN STEEL CONDUIT			
1.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.		
1.1.1	Group A	Point	559.00
1.1.2	Group B	Point	716.00
1.1.3	Group C	Point	892.00
1.2	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point	899.00
1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.		
1.3.1	Group A	Point	604.00
1.3.2	Group B	Point	760.00
1.3.3	Group C	Point	937.00
1.4	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point	990.00
1.5	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	230.00
1.6	Wiring for light/ power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	359.00

CHAPTER 1 – WIRING

Code No	Description	Unit	Rate Rs.
1.7	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required		
1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	173.00
1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	198.00
1.7.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	228.00
1.7.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	298.00
1.7.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	398.00
1.7.6	2 X 16 sq. mm + 1 X 16 sq. mm earth wire	Metre	553.00
1.7.7	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	Metre	296.00
1.7.8	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	Metre	357.00
1.7.9	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	Metre	483.00
1.7.10	4 X 10 sq. mm + 2 X 10 sq. mm earth wire	Metre	774.00
1.7.11	4 X 16 sq. mm + 2 X 16 sq. mm earth wire	Metre	1,086.00
WIRING IN PVC CONDUIT			
1.8	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.		
1.8.1	Group A	Point	416.00
1.8.2	Group B	Point	499.00
1.8.3	Group C	Point	619.00
1.9	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point	625.00
1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.		
1.10.1	Group A	Point	462.00
1.10.2	Group B	Point	544.00
1.10.3	Group C	Point	664.00

Code No	Description	Unit	Rate Rs.
1.11	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point	710.00
1.12	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	162.00
1.13	Wiring for light/ power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	268.00
1.14	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required		
1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	107.00
1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	131.00
1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	162.00
1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	206.00
1.14.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	310.00
1.14.6	2 X 16 sq. mm + 1 X 16 sq. mm earth wire	Metre	429.00
1.14.7	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	Metre	204.00
1.14.8	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	Metre	268.00
1.14.9	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	Metre	358.00
1.14.10	4 X 10 sq. mm + 2 X 10 sq. mm earth wire	Metre	562.00
1.14.11	4 X 16 sq. mm + 2 X 16 sq. mm earth wire	Metre	789.00
1.15	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable and 1.5 sq.mm. FR PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required.		
1.15.1	Group A	Point	247.00
1.15.2	Group B	Point	287.00
1.15.3	Group C	Point	391.00

CHAPTER 1 – WIRING

Code No	Description	Unit	Rate Rs.
1.16	Rewiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable and 1.5 sq.mm. FR PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required.	Point	391.00
1.17	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.		
1.17.1	1 x 1.5 sq. mm	Metre	20.00
1.17.2	2 x 1.5 sq. mm	Metre	33.50
1.17.3	3 x 1.5 sq. mm	Metre	50.00
1.17.4	4 x 1.5 sq. mm	Metre	63.50
1.17.5	5 x 1.5 sq. mm	Metre	80.00
1.17.6	6 x 1.5 sq. mm	Metre	93.50
1.17.7	7 x 1.5 sq. mm	Metre	113.00
1.17.8	8 x 1.5 sq. mm	Metre	127.00
1.17.9	9 x 1.5 sq. mm	Metre	147.00
1.17.10	10 x 1.5 sq. mm	Metre	160.00
1.17.11	2 x 2.5 sq. mm	Metre	49.50
1.17.12	3 x 2.5 sq. mm	Metre	74.50
1.17.13	4 x 2.5 sq. mm	Metre	96.50
1.17.14	5 x 2.5 sq. mm	Metre	121.00
1.17.15	6 x 2.5 sq. mm	Metre	143.00
1.17.16	7 x 2.5 sq. mm	Metre	171.00
1.17.17	8 x 2.5 sq. mm	Metre	193.00
1.17.18	9 x 2.5 sq. mm	Metre	221.00
1.17.19	10 x 2.5 sq. mm	Metre	242.00
1.17.20	2 x 4 sq. mm	Metre	76.50
1.17.21	3 x 4 sq. mm	Metre	108.00
1.17.22	4 x 4 sq. mm	Metre	140.00
1.17.23	5 x 4 sq. mm	Metre	173.00
1.17.24	6 x 4 sq. mm	Metre	205.00
1.17.25	7 x 4 sq. mm	Metre	238.00
1.17.26	8 x 4 sq. mm	Metre	270.00
1.17.27	9 x 4 sq. mm	Metre	303.00

Code No	Description	Unit	Rate Rs.
1.17.28	10 x 4 sq. mm	Metre	344.00
1.17.29	2 x 6 sq. mm	Metre	101.00
1.17.30	3 x 6 sq. mm	Metre	145.00
1.17.31	4 x 6 sq. mm	Metre	195.00
1.17.32	5 x 6 sq. mm	Metre	240.00
1.17.33	6 x 6 sq. mm	Metre	290.00
1.17.34	7 x 6 sq. mm	Metre	334.00
1.17.35	8 x 6 sq. mm	Metre	380.00
1.17.36	9 x 6 sq. mm	Metre	424.00
1.17.37	10 x 6 sq. mm	Metre	468.00
1.18	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.		
1.18.1	1 Pair	Metre	11.00
1.18.2	2 Pair	Metre	15.50
1.18.3	4 Pair	Metre	24.00
1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	Metre	22.00
1.20	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.		
1.20.1	20 mm	Metre	123.00
1.20.2	25 mm	Metre	143.00
1.20.3	32 mm	Metre	195.00
1.20.4	40 mm	Metre	290.00
1.20.5	50 mm	Metre	390.00
1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		
1.21.1	20 mm	Metre	56.50
1.21.2	25 mm	Metre	64.50
1.21.3	32 mm	Metre	80.50
1.21.4	40 mm	Metre	106.00
1.21.5	50 mm	Metre	135.00

CHAPTER 1 – WIRING

Code No	Description	Unit	Rate Rs.
1.22	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.		
1.22.1	75 mm X 75 mm X 60 mm deep	Each	72.00
1.22.2	100 mm X 100 mm X 60 mm deep	Each	86.50
1.22.3	150 mm X 75 mm X 60 mm deep	Each	92.50
1.22.4	150 mm X 150 mm X 60 mm deep	Each	131.00
1.22.5	180 mm X 100 mm X 60 mm deep	Each	108.00
1.22.6	200 mm X 125 mm X 60 mm deep	Each	137.00
1.22.7	200 mm X 150 mm X 60 mm deep	Each	154.00
1.22.8	200 mm X 150 mm X 75 mm deep	Each	158.00
1.22.9	200 mm X 250 mm X 60 mm deep	Each	211.00
1.22.10	200 mm X 250 mm X 75 mm deep	Each	218.00
1.22.11	200 mm X 150 mm X 100 mm deep	Each	180.00
1.22.12	200 mm X 250 mm X 100 mm deep	Each	239.00
1.22.13	200 mm X 300 mm X 60 mm deep	Each	259.00
1.22.14	200 mm X 300 mm X 100 mm deep	Each	267.00
1.22.15	250 mm X 300 mm X 60 mm deep	Each	286.00
1.22.16	250 mm X 300 mm X 100 mm deep	Each	310.00
1.23	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.		
1.23.1	5/6 amps switch	Each	29.50
1.23.2	2 way 5/6 amps switch	Each	35.50
1.23.3	15/16 amp switch	Each	61.50
1.23.4	3 pin 5/6 amp socket outlet	Each	35.50
1.23.5	6 pin 15/16 amp socket outlet	Each	73.00
1.23.6	Telephone socket outlet	Each	48.50
1.23.7	TV antenna socket outlet	Each	40.00
1.23.8	Bell push	Each	36.50
1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.		
1.24.1	5/6 amps switch	Each	75.00
1.24.2	2 way 5/6 amps switch	Each	98.50
1.24.3	15/16 amp switch	Each	109.00

Code No	Description	Unit	Rate Rs.
1.24.4	3 pin 5/6 amp socket outlet	Each	96.00
1.24.5	6 pin 15/16 amp socket outlet	Each	147.00
1.24.6	Telephone socket outlet	Each	89.00
1.24.7	TV antenna socket outlet	Each	93.00
1.24.8	Bell push	Each	98.50
1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	322.00
1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	22.00
1.27	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.		
1.27.1	1 or 2 Module (75mmX75mm)	Each	142.00
1.27.2	3 Module (100mmX75mm)	Each	154.00
1.27.3	4 Module (125mmX75mm)	Each	173.00
1.27.4	6 Module (200mmX75mm)	Each	221.00
1.27.5	8 Module (125mmX125mm)	Each	255.00
1.27.6	12 Module (200mmX150mm)	Each	344.00
1.28	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.		
1.28.1	1 or 2 Module	Each	63.00
1.28.2	3 Module	Each	75.00
1.28.3	4 Module	Each	81.50
1.28.4	6 Module	Each	98.50
1.28.5	8 Module	Each	121.00
1.28.6	12 Module	Each	162.00
1.29	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings).	Each	152.00
1.30	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.	Each	225.00

CHAPTER 1 – WIRING

Code No	Description	Unit	Rate Rs.
1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	Each	288.00
1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	366.00
1.33	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	34.00
1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	63.00
1.35	Erection of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS lamps per fitting, complete with all accessories including connection etc. as required.	Each	39.00
1.36	Supplying and fixing stiff pendent with 300 mm long, 20 mm dia X 1.6 mm thick steel conduit, aluminium cast back plate and brass holder complete, including wiring the down rod with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and painting etc. as required.	Each	135.00
1.37	Supplying and fixing stiff pendent with 600 mm long, 20 mm dia X 1.6 mm thick steel conduit, aluminium cast back plate and brass holder complete, including wiring the down rod with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and painting etc. as required.	Each	167.00
1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	Each	54.50
1.39	Providing and fixing 16/0.20mm (0.50sqmm) twin flat flexible, FR PVC insulated, copper cable, in PVC sleeve of suitable size on the floor/ wall, or side of the table/ door etc. as required.	Metre	19.00
1.40	Providing and fixing 16/0.20mm (0.50sqmm) twin circular flexible FR PVC insulated, PVC sheathed copper cable direct on the wall with PVC clips etc. as required.	Metre	17.50
1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	69.50
1.42	Installation, testing and commissioning of pre-wired, fluorescent fitting/ compact fluorescent fitting of all types, with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc as required.	Each	195.00

Code No	Description	Unit	Rate Rs.
1.43	Providing and fixing extra conduit down rod of 20 mm dia, 2 X 10 cm length wiring with 2 X 1.5 sq. mm FR PVC insulated, copper conductor, single core cable including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Each	28.50
1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	73.50
1.45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	99.00
1.46	Installation, testing and commissioning of resistance type ceiling fan regulator, in existing switch box including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, earthing the regulator etc. as required.	Each	41.00
1.47	Supplying and fixing extra down rod of 10 cm length G.I. pipe ,15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Each	19.50
1.48	Supplying and fixing extra conduit down rod of 20 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Each	23.00
1.49	Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.	Each	19.50
1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.		
1.50.1	Upto 450 mm sweep	Each	163.00
1.50.2	510 mm sweep	Each	226.00
1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	68.50
1.52	Painting of ceiling fan in installed position with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent etc as required.	Each	64.00

CHAPTER 2 – MCCB, MCB & DB'S

Code No	Description	Unit	Rate Rs.
2.1	Providing and fixing following capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required.		
2.1.1	32 Amp TP&N	Each	1,404.00
2.1.2	63 Amp TP&N	Each	1,929.00
2.1.3	100 Amp TP&N	Each	3,893.00
2.1.4	125 Amp TP&N	Each	5,130.00
2.1.5	160 Amp TP&N	Each	5,915.00
2.1.6	200 Amp TP&N	Each	6,360.00
2.1.7	320 Amp TP&N	Each	10,488.00
2.1.8	400 Amp TP&N	Each	12,637.00
2.2	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.		
2.2.1	100 Amp, 16 KA	Each	2,801.00
2.2.2	125 Amp, 16 KA	Each	3,914.00
2.2.3	160 Amp, 16 KA	Each	4,792.00
2.2.4	200 Amp, 16 KA	Each	6,924.00
2.2.5	200 Amp, 25 KA	Each	7,290.00
2.2.6	250 Amp, 25 KA	Each	9,564.00
2.2.7	250 Amp, 35 KA	Each	13,662.00
2.2.8	315 Amp, 35 KA	Each	16,605.00
2.2.9	400 Amp, 35 KA	Each	16,605.00
2.2.10	500 Amp, 35 KA	Each	19,124.00
2.2.11	630 Amp, 50 KA	Each	19,783.00
2.2.12	800 Amp, 50 KA	Each	25,417.00
2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)		
2.3.1	2 + 4 way, Single door	Each	473.00
2.3.2	2 + 6 way, Single door	Each	513.00
2.3.3	2 + 8 way, Single door	Each	553.00

Code No	Description	Unit	Rate Rs.
2.3.4	2 + 12 way, Single door	Each	696.00
2.3.5	2 + 4 way, Double door	Each	699.00
2.3.6	2 + 6 way, Double door	Each	778.00
2.3.7	2 + 8 way, Double door	Each	857.00
2.3.8	2 + 12 way, Double door	Each	1,068.00
2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)		
2.4.1	4 way (4 + 12), Single door	Each	1,230.00
2.4.2	6 way (4 + 18), Single door	Each	1,434.00
2.4.3	8 way (4 + 24), Single door	Each	1,581.00
2.4.4	4 way (4 + 12), Double door	Each	1,654.00
2.4.5	6 way (4 + 18), Double door	Each	2,047.00
2.4.6	8 way (4 + 24), Double door	Each	2,529.00
2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)		
2.5.1	4 way (4 + 12), Single door	Each	2,691.00
2.5.2	8 way (4 + 24), Single door	Each	3,730.00
2.5.3	12 way (4 + 36), Single door	Each	4,761.00
2.5.4	4 way (4 + 12), Double door	Each	3,858.00
2.5.5	8 way (4 + 24), Double door	Each	4,865.00
2.5.6	12 way (4 + 36), Double door	Each	6,185.00
2.6	Supplying and fixing following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, with provision of 100 amps TP 16 KA MCCB as incomer, interconnection between incomer MCCB and bus bars (but without MCB's/ MCCB) as required. (Note: Vertical type MCB TPDB is normally used where 3 phase outlets are required)		
2.6.1	4 Way TP	Each	4,770.00

CHAPTER 2 - MCCB, MCB & DB'S

Code No	Description	Unit	Rate Rs.
2.6.2	8 Way TP	Each	6,081.00
2.6.3	12 Way TP	Each	7,916.00
2.7	Supplying and fixing following way prewired SP&N MCB distribution board of steel sheet for 240 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)		
2.7.1	2 + 4 way, Single door	Each	1,717.00
2.7.2	2 + 8 way, Single door	Each	2,047.00
2.7.3	2 + 12 way, Single door	Each	2,394.00
2.7.4	2 + 4 way, Double door	Each	2,152.00
2.7.5	2 + 8 way, Double door	Each	2,572.00
2.7.6	2 + 12 way, Double door	Each	3,108.00
2.8	Supplying and fixing following way prewired TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required.(But without MCB/ RCCB/ Isolator)		
2.8.1	4 way (4 + 12), Single door	Each	5,545.00
2.8.2	6 way (4 + 18), Single door	Each	7,155.00
2.8.3	8 way (4 + 24), Single door	Each	8,188.00
2.8.4	12 way (4 + 36), Single door	Each	10,059.00
2.8.5	4 way (4 + 12), Double door	Each	6,345.00
2.8.6	6 way (4 + 18), Double door	Each	8,197.00
2.8.7	8 way (4 + 24), Double door	Each	8,984.00
2.8.8	12 way (4 + 36), Double door	Each	11,042.00
2.9	Supplying and fixing following way prewired vertical type TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FR PVC insulated copper conductor upto the terminal connector/ neutral		

Code No	Description	Unit	Rate Rs.
	link, earthing etc as required (But without MCB/ RCCB/ Isolator). (Note : Prewired vertical type MCB TPDB is normally used where 3 phase outlets are required.)		
2.9.1	4 way Single door	Each	5,956.00
2.9.2	6 way Single door	Each	7,694.00
2.9.3	8 way Single door	Each	8,746.00
2.9.4	12 way Single door	Each	11,618.00
2.9.5	4 way Double door	Each	6,816.00
2.9.6	6 way Double door	Each	8,810.00
2.9.7	8 way Double door	Each	9,606.00
2.9.8	12 way Double door	Each	12,762.00
2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.10.1	Single pole	Each	141.00
2.10.2	Single pole and neutral	Each	367.00
2.10.3	Double pole	Each	379.00
2.10.4	Triple pole	Each	562.00
2.10.5	Triple pole and neutral	Each	723.00
2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	5.50
2.12	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.12.1	40 amps	Each	245.00
2.12.2	63 amps	Each	303.00
2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.13.1	40 amps	Each	554.00
2.13.2	63 amps	Each	563.00
2.13.3	100 amps	Each	709.00
2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.14.1	25 amps	Each	1,318.00

CHAPTER 2 - MCCB, MCB & DB'S

Code No	Description	Unit	Rate Rs.
2.14.2	40 amps	Each	1,394.00
2.14.3	63 amps	Each	1,824.00
2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
2.15.1	25 amps	Each	1,679.00
2.15.2	40 amps	Each	1,703.00
2.15.3	63 amps	Each	1,965.00
2.16	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32amps 240 volts "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	each	572.00
2.17	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32amps 415 volts "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	each	776.00
2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	693.00
2.19	Supplying and fixing 20 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top along with 20 amps "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	1,718.00
2.20	Supplying and fixing 30 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 amps "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	1,983.00
2.21	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	121.00
2.22	Providing and fixing H.T. danger notice plate of 250 mm X 200 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	135.00

CHAPTER 3 - RISING MAINS & BUS TRUNKING

Code No	Description	Unit	Rate Rs.
3.1	Supplying, installing on wall, testing and commissioning of following capacity rising mains made of 1.6mm thick sheet steel enclosure duly painted with powder coating, wall straps, fully PVC insulated 4 Nos aluminium bus bars in convenient sections and suitable for 415 volts, 3 phase, 4 wire, 50 Hz, A.C. supply with extension joints, fire proof barriers, expansion joints, thrust pads including jointing, and earthing with 2 runs of galvanised iron strips etc. as required. (Rising mains confirming to IS 8623, TEC 439)		
3.1.1	200 amps (S.C. rating for 1 sec - 15 KA)	Metre	4,663.00
3.1.2	315 amps (S.C. rating for 1 sec - 20 KA)	Metre	4,865.00
3.1.3	400 amps (S.C. rating for 1 sec - 25 KA)	Metre	5,991.00
3.1.4	630 amps (S.C. rating for 1 sec - 45 KA)	Metre	6,705.00
3.1.5	800 amps (S.C. rating for 1 sec - 50 KA)	Metre	8,082.00
3.2	Supplying, installing, testing and commissioning of following capacity TPN tap off box made of 1.6mm thick sheet steel enclosure duly painted with powder coating on existing rising mains complete with TPN disconnecter FSU and HRC fuses, connections, earthing etc. as required.		
3.2.1	16 amps TPN	Each	5,612.00
3.2.2	32 amps TPN	Each	5,915.00
3.2.3	63 amps TPN	Each	6,640.00
3.2.4	100 amps TPN	Each	7,649.00
3.2.5	200 amps TPN	Each	12,012.00
3.2.6	315 amps TPN	Each	12,718.00
3.2.7	400 amps TPN	Each	13,223.00
3.3	Supplying, installing, testing and commissioning of following capacity TPN distribution tap off box made of 1.6mm thick sheet steel enclosure duly painted with powder coating on existing rising mains complete with HRC fuses, interconnections, earthing etc. as required.		
3.3.1	16 amps TPN, 2 way	Each	8,405.00
3.3.2	16 amps TPN, 4 way	Each	15,720.00
3.3.3	16 amps TPN, 6 way	Each	22,290.00
3.3.4	16 amps TPN, 8 way	Each	30,878.00
3.3.5	32 amps TPN, 2 way	Each	8,658.00
3.3.6	32 amps TPN, 4 way	Each	17,738.00
3.3.7	32 amps TPN, 6 way	Each	23,299.00

CHAPTER 3 - RISING MAINS & BUS TRUNKING

Code No	Description	Unit	Rate Rs.
3.3.8	32 amps TPN, 8 way	Each	32,392.00
3.3.9	63 amps TPN, 2 way	Each	9,868.00
3.3.10	63 amps TPN, 4 way	Each	17,738.00
3.3.11	63 amps TPN, 6 way	Each	24,812.00
3.3.12	63 amps TPN, 8 way	Each	34,410.00
3.4	Supplying, installing, testing and commissioning of following capacity End Feed Unit made of 1.6mm thick sheet steel enclosure duly painted with powder coating to existing rising mains complete with TPN disconnecter FSU and HRC fuses, mounting stands, cable end box, brass compression gland, connections, earthing etc. as required.		
3.4.1	200 amps TPN	Each	14,116.00
3.4.2	300 amps TPN	Each	15,493.00
3.4.3	400 amps TPN	Each	17,152.00
3.4.4	600 amps TPN	Each	18,570.00
3.4.5	800 amps TPN	Each	20,885.00
3.5	Supplying, installation, including suspension, testing and commissioning of following capacity bus trunking with aluminium bus bars in 1.6mm thick sheet steel enclosure in convenient sections for use on, 3 phase, 4 wire, 415 volts, 50 Hz, A.C. supply including jointing of sections, flexible joints, expansion joints, bends and earthing with 2 runs of galvanised iron strips, suspenders, angle iron bracket, steel fasteners, connecting to earthing system etc. as required.		
3.5.1	800 amps	Metre	8,028.00
3.5.2	1000 amps	Metre	9,491.00
3.5.3	1250 amps	Metre	12,189.00
3.5.4	1400 amps	Metre	15,216.00
3.5.5	1600 amps	Metre	15,241.00
3.6	Supplying, installation, testing and commissioning of following capacity overhead distribution bus trunking with aluminium bus bars in 1.6mm thick sheet steel enclosure in convenient sections with provision of tapping points for use on, 3 phase, 4 wire, 415 volts, 50 Hz, A.C. supply including jointing of sections, bends, earthing with 2 runs of galvanised iron strips, all installation accessories etc. as required.		
3.6.1	200 amps	Metre	4,649.00
3.6.2	400 amps	Metre	5,960.00

Code No	Description	Unit	Rate Rs.
3.7	Supplying, installing, testing and commissioning of following capacity TPN tap off box / plug-in box made of 1.6mm thick sheet steel enclosure duly painted with powder coating on existing overhead bus bar system complete with TPN disconnecter FSU and HRC fuses, connections, earthing etc. as required.		
3.7.1	32 amps	Each	5,079.00
3.7.2	63 amps	Each	5,703.00
3.7.3	100 amps	Each	6,568.00
3.8	Supplying, installing on wall, testing and commissioning of following capacity Air Insulated Compact Type Rising Mains for use on 3 phase 4 wire 415 volts, 50Hz A.C. supply with enclosure made of 1.6mm thick steel sheet duly powder coated in convenient sections complete with 4 Nos aluminium bus bars, necessary joints & expansion joints, fire barrier at each floor, provision of tapping at every metre, continuous earthing with 2 Nos aluminium strip of suitable size (one on each side) including, G.I. clamping brackets, angle iron bracket, steel fasteners, connecting to earthing system etc. as required		
3.8.1	200 amps 15KA SC for 1 sec	Metre	4,729.00
3.8.2	315 amps 25KA SC for 1 sec	Metre	5,473.00
3.8.3	400 amps 30KA SC for 1 sec	Metre	5,998.00
3.8.4	500 amps 35KA SC for 1 sec	Metre	6,994.00
3.8.5	630 amps 50KA SC for 1 sec	Metre	8,225.00
3.8.6	800 amps 50KA SC for 1 sec	Metre	11,439.00
3.8.7	1000 amps 50KA SC for 1 sec	Metre	13,321.00
3.8.8	1250 amps 50KA SC for 1 sec	Metre	15,124.00
3.9	Supplying, installing on wall, testing and commissioning of following capacity Air Insulated Compact Type Bus Trunking for use on 3 phase 4 wire 415 volts, 50Hz A.C. supply with metal clad enclosure made of 1.6mm thick steel sheet duly powder coated in convenient sections complete with 4 Nos aluminium bus bars, necessary joints, elbow joints & expansion joints, fire barrier at each floor, provision of tapping at every metre, continuous earthing with 2 Nos aluminium strip of suitable size (one on each side) including, G.I. clamping brackets, angle iron bracket, steel fasteners, connecting to earthing system etc. as required		
3.9.1	200 amps 15KA SC for 1 sec	Metre	5,107.00
3.9.2	315 amps 25KA SC for 1 sec	Metre	5,914.00
3.9.3	400 amps 30KA SC for 1 sec	Metre	6,481.00
3.9.4	500 amps 35KA SC for 1 sec	Metre	7,559.00

CHAPTER 3 - RISING MAINS & BUS TRUNKING

Code No	Description	Unit	Rate Rs.
3.9.5	630 amps 50KA SC for 1 sec	Metre	8,891.00
3.9.6	800 amps 50KA SC for 1 sec	Metre	12,373.00
3.9.7	1000 amps 50KA SC for 1 sec	Metre	14,412.00
3.9.8	1250 amps 50KA SC for 1 sec	Metre	16,365.00
3.10	Supplying, installing suspension on ceiling, testing and commissioning of following capacity Air Insulated Compact Type Bus Trunking for use on 3 phase 4 wire 415 volts, 50Hz A.C. supply with metal clad enclosure made of 1.6mm thick steel sheet duly powder coated in convenient sections complete with 4 Nos aluminium bus bars, necessary joints, elbow joints & expansion joints, fire barrier at each floor, provision of tapping at every metre, continuous earthing with 2 Nos aluminium strip of suitable size (one on each side) including, G.I. clamping brackets, suspenders, angle iron bracket, steel fasteners, connecting to earthing system etc. as required		
3.10.1	200 amps 15KA SC for 1 sec	Metre	5,132.00
3.10.2	315 amps 25KA SC for 1 sec	Metre	5,939.00
3.10.3	400 amps 30KA SC for 1 sec	Metre	6,506.00
3.10.4	500 amps 35KA SC for 1 sec	Metre	7,591.00
3.10.5	630 amps 50KA SC for 1 sec	Metre	8,924.00
3.10.6	800 amps 50KA SC for 1 sec	Metre	12,406.00
3.10.7	1000 amps 50KA SC for 1 sec	Metre	14,461.00
3.10.8	1250 amps 50KA SC for 1 sec	Metre	16,414.00
3.11	Supplying, installing, connecting to existing Air Insulated Compact Type bus trunking/ rising mains, testing and commissioning of following capacity End Feed Unit for use on 3 phase 4 wire 415 volts, 50Hz A.C. supply made with 1.6mm thick steel sheet enclosure duly powder coated with provision of MCCB/ACB (but without MCCB/ACB) complete with necessary joints including clamping brackets, angle iron bracket, steel fasteners, connecting to earthing system etc. as required		
3.11.1	200 amps 15KA SC for 1 sec	Metre	3,787.00
3.11.2	315 amps 25KA SC for 1 sec	Metre	3,944.00
3.11.3	400 amps 30KA SC for 1 sec	Metre	5,021.00
3.11.4	500 amps 35KA SC for 1 sec	Metre	5,256.00
3.11.5	630 amps 50KA SC for 1 sec	Metre	6,418.00
3.11.6	800 amps 50KA SC for 1 sec	Metre	8,026.00
3.11.7	1000 amps 50KA SC for 1 sec	Metre	8,496.00
3.11.8	1250 amps 50KA SC for 1 sec	Metre	8,966.00

Code No	Description	Unit	Rate Rs.
3.12	Supplying, installing, connecting to existing Air Insulated Compact Type bus trunking/ rising mains, testing and commissioning of following capacity Plug In/ Tap Off Box for use on 3 phase 4 wire 415 volts, 50Hz A.C. supply with 1.6mm thick steel sheet enclosure duly powder coated with provision of MCCB (but without MCCB) complete etc. as required		
3.12.1	125 amps 15KA SC for 1 sec	Metre	4,375.00
3.12.2	200 amps 25KA SC for 1 sec	Metre	5,551.00
3.12.3	250 amps 30KA SC for 1 sec	Metre	7,138.00
3.12.4	400 amps 35KA SC for 1 sec	Metre	7,138.00
3.12.5	500 amps 50KA SC for 1 sec	Metre	10,299.00
3.12.6	630 amps 50KA SC for 1 sec	Metre	10,299.00

CHAPTER 4 - CABLE TRAYS

Code No	Description	Unit	Rate Rs.
4.1	Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.		
4.1.1	100 mm width X 50 mm depth X 1.6 mm thickness	Metre	405.00
4.1.2	150 mm width X 50 mm depth X 1.6 mm thickness	Metre	464.00
4.1.3	200 mm width X 50 mm depth X 1.6 mm thickness	Metre	570.00
4.1.4	300 mm width X 50 mm depth X 1.6 mm thickness	Metre	677.00
4.1.5	375 mm width X 50 mm depth X 2.0 mm thickness	Metre	846.00
4.1.6	450 mm width X 50 mm depth X 2.0 mm thickness	Metre	974.00
4.1.7	600 mm width X 50 mm depth X 2.0 mm thickness	Metre	1,210.00
4.1.8	300 mm width X 62.5 mm depth X 2.0 mm thickness	Metre	756.00
4.1.9	375 mm width X 62.5 mm depth X 2.0 mm thickness	Metre	851.00
4.1.10	450 mm width X 62.5 mm depth X 2.0 mm thickness	Metre	1,023.00
4.1.11	600 mm width X 62.5 mm depth X 2.0 mm thickness	Metre	1,264.00
4.1.12	750 mm width X 62.5 mm depth X 2.0 mm thickness	Metre	1,475.00
4.1.13	900 mm width X 62.5 mm depth X 2.0 mm thickness	Metre	1,762.00
4.1.14	600 mm width X 75 mm depth X 2.0 mm thickness	Metre	1,301.00
4.1.15	750 mm width X 75 mm depth X 2.0 mm thickness	Metre	1,507.00
4.1.16	900 mm width X 75 mm depth X 2.0 mm thickness	Metre	1,790.00
4.2	Supplying and installing following size of perforated pre-painted M.S. cable trays bends with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.		
4.2.1	100 mm width X 50 mm depth X 1.6 mm thickness	Each	678.00
4.2.2	150 mm width X 50 mm depth X 1.6 mm thickness	Each	790.00
4.2.3	200 mm width X 50 mm depth X 1.6 mm thickness	Each	989.00
4.2.4	300 mm width X 50 mm depth X 1.6 mm thickness	Each	1,197.00
4.2.5	375 mm width X 50 mm depth X 2.0 mm thickness	Each	1,507.00
4.2.6	450 mm width X 50 mm depth X 2.0 mm thickness	Each	1,751.00
4.2.7	600 mm width X 50 mm depth X 2.0 mm thickness	Each	2,196.00
4.2.8	300 mm width X 62.5 mm depth X 2.0 mm thickness	Each	1,349.00
4.2.9	375 mm width X 62.5 mm depth X 2.0 mm thickness	Each	1,592.00
4.2.10	450 mm width X 62.5 mm depth X 2.0 mm thickness	Each	1,844.00

Code No	Description	Unit	Rate Rs.
4.2.11	600 mm width X 62.5 mm depth X 2.0 mm thickness	Each	2,301.00
4.2.12	750 mm width X 62.5 mm depth X 2.0 mm thickness	Each	2,700.00
4.2.13	900 mm width X 62.5 mm depth X 2.0 mm thickness	Each	3,209.00
4.2.14	600 mm width X 75 mm depth X 2.0 mm thickness	Each	2,372.00
4.2.15	750 mm width X 75 mm depth X 2.0 mm thickness	Each	2,762.00
4.2.16	900 mm width X 75 mm depth X 2.0 mm thickness	Each	3,261.00
4.3	Supplying and installing following size of perforated pre-painted M.S. cable trays reducers with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.		
4.3.1	100 mm width X 50 mm depth X 1.6 mm thickness	Each	936.00
4.3.2	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1,108.00
4.3.3	200 mm width X 50 mm depth X 1.6 mm thickness	Each	1,406.00
4.3.4	300 mm width X 50 mm depth X 1.6 mm thickness	Each	1,713.00
4.3.5	375 mm width X 50 mm depth X 2.0 mm thickness	Each	2,164.00
4.3.6	450 mm width X 50 mm depth X 2.0 mm thickness	Each	2,517.00
4.3.7	600 mm width X 50 mm depth X 2.0 mm thickness	Each	3,168.00
4.3.8	300 mm width X 62.5 mm depth X 2.0 mm thickness	Each	1,934.00
4.3.9	375 mm width X 62.5 mm depth X 2.0 mm thickness	Each	2,282.00
4.3.10	450 mm width X 62.5 mm depth X 2.0 mm thickness	Each	2,644.00
4.3.11	600 mm width X 62.5 mm depth X 2.0 mm thickness	Each	3,306.00
4.3.12	750 mm width X 62.5 mm depth X 2.0 mm thickness	Each	3,891.00
4.3.13	900 mm width X 62.5 mm depth X 2.0 mm thickness	Each	4,635.00
4.3.14	600 mm width X 75 mm depth X 2.0 mm thickness	Each	3,411.00
4.3.15	750 mm width X 75 mm depth X 2.0 mm thickness	Each	3,986.00
4.3.16	900 mm width X 75 mm depth X 2.0 mm thickness	Each	4,721.00
4.4	Supplying and installing following size of perforated pre-painted M.S. cable trays Tee's with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.		
4.4.1	100 mm width X 50 mm depth X 1.6 mm thickness	Each	1,195.00
4.4.2	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1,408.00
4.4.3	200 mm width X 50 mm depth X 1.6 mm thickness	Each	1,822.00
4.4.4	300 mm width X 50 mm depth X 1.6 mm thickness	Each	2,228.00

CHAPTER 4 - CABLE TRAYS

Code No	Description	Unit	Rate Rs.
4.4.5	375 mm width X 50 mm depth X 2.0 mm thickness	Each	2,819.00
4.4.6	450 mm width X 50 mm depth X 2.0 mm thickness	Each	3,282.00
4.4.7	600 mm width X 50 mm depth X 2.0 mm thickness	Each	4,143.00
4.4.8	300 mm width X 62.5 mm depth X 2.0 mm thickness	Each	2,522.00
4.4.9	375 mm width X 62.5 mm depth X 2.0 mm thickness	Each	2,974.00
4.4.10	450 mm width X 62.5 mm depth X 2.0 mm thickness	Each	3,441.00
4.4.11	600 mm width X 62.5 mm depth X 2.0 mm thickness	Each	4,314.00
4.4.12	750 mm width X 62.5 mm depth X 2.0 mm thickness	Each	5,088.00
4.4.13	900 mm width X 62.5 mm depth X 2.0 mm thickness	Each	6,059.00
4.4.14	600 mm width X 75 mm depth X 2.0 mm thickness	Each	4,453.00
4.4.15	750 mm width X 75 mm depth X 2.0 mm thickness	Each	5,211.00
4.4.16	900 mm width X 75 mm depth X 2.0 mm thickness	Each	6,183.00
4.5	Supplying and installing following size of perforated pre-painted M.S. cable trays cross members with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.		
4.5.1	100 mm width X 50 mm depth X 1.6 mm thickness	Each	549.00
4.5.2	150 mm width X 50 mm depth X 1.6 mm thickness	Each	626.00
4.5.3	200 mm width X 50 mm depth X 1.6 mm thickness	Each	788.00
4.5.4	300 mm width X 50 mm depth X 1.6 mm thickness	Each	945.00
4.5.5	375 mm width X 50 mm depth X 2.0 mm thickness	Each	1,185.00
4.5.6	450 mm width X 50 mm depth X 2.0 mm thickness	Each	1,378.00
4.5.7	600 mm width X 50 mm depth X 2.0 mm thickness	Each	1,680.00
4.5.8	300 mm width X 62.5 mm depth X 2.0 mm thickness	Each	1,057.00
4.5.9	375 mm width X 62.5 mm depth X 2.0 mm thickness	Each	1,245.00
4.5.10	450 mm width X 62.5 mm depth X 2.0 mm thickness	Each	1,443.00
4.5.11	600 mm width X 62.5 mm depth X 2.0 mm thickness	Each	1,798.00
4.5.12	750 mm width X 62.5 mm depth X 2.0 mm thickness	Each	2,103.00
4.5.13	900 mm width X 62.5 mm depth X 2.0 mm thickness	Each	2,495.00
4.5.14	600 mm width X 75 mm depth X 2.0 mm thickness	Each	1,850.00
4.5.15	750 mm width X 75 mm depth X 2.0 mm thickness	Each	2,148.00
4.5.16	900 mm width X 75 mm depth X 2.0 mm thickness	Each	2,530.00

CHAPTER 5 - EARTHING

Code No	Description	Unit	Rate Rs.
5.1	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt) as required.	Set	2,537.00
5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	3,385.00
5.3	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt) as required.	Set	3,063.00
5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	3,996.00
5.5	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt) as required.	Set	7,627.00
5.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	8,559.00
5.7	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	Metre	23.00
5.8	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	Metre	680.00
5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	Metre	97.50
5.10	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	Metre	962.00
5.11	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Metre	364.00

CHAPTER 5 – EARTHING

Code No	Description	Unit	Rate Rs.
5.12	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	Metre	131.00
5.13	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	Metre	186.00
5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Metre	766.00
5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	120.00
5.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Metre	30.00
5.17	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	Metre	87.50
5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	19.50
5.19	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	77.00
5.20	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	Metre	1,439.00

CHAPTER 6 - LIGHTNING CONDUCTOR

Code No	Description	Unit	Rate Rs.
6.1	Providing and fixing of lightning conductor finial, made of 25 mm dia 300mm long, copper tube, having single prong at top, with 85 mm dia 3mm thick copper base plate including holes etc. complete as required.	Each	701.00
6.2	Providing and fixing of lightning conductor finial, made of 25 mm dia 300mm long, G.I. tube, having single prong at top, with 85mm dia 6mm thick G.I. base plate including holes etc. complete as required.	Each	326.00
6.3	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	Each	121.00
6.4	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	Each	60.50
6.5	Providing and fixing copper tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Metre	336.00
6.6	Providing and fixing copper tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Metre	359.00
6.7	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Metre	58.00
6.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Metre	81.50
6.9	Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Metre	27.00
6.10	Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Metre	55.50
6.11	Providing and fixing testing joint, made of 20 mm X 3 mm thick copper strip, 125 mm long, with 4 nos. of tinned brass bolts, nuts, chuck nuts and spring washers etc. complete as required.	Each	176.00
6.12	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	Each	58.50
6.13	Providing and laying copper tape 32 mm X 6 mm from earth electrode directly in ground as required.	Metre	1,012.00
6.14	Providing and laying G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	Metre	125.00
6.15	Laying copper/ G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	Metre	24.50

CHAPTER 7 – MV CABLE LAYING

Code No	Description	Unit	Rate Rs.
7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.		
7.1.1	Upto 35 sq. mm	Metre	167.00
7.1.2	Above 35 sq. mm and upto 95 sq. mm	Metre	173.00
7.1.3	Above 95 sq. mm and upto 185 sq. mm	Metre	179.00
7.1.4	Above 185 sq. mm and upto 400 sq. mm	Metre	196.00
7.2	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.		
7.2.1	Upto 35 sq. mm	Metre	115.00
7.2.2	Above 35 sq. mm and upto 95 sq. mm	Metre	121.00
7.2.3	Above 95 sq. mm and upto 185 sq. mm	Metre	127.00
7.2.4	Above 185 sq. mm and upto 400 sq. mm	Metre	144.00
7.3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.		
7.3.1	Upto 35 sq. mm	Metre	65.50
7.3.2	Above 35 sq. mm and upto 95 sq. mm	Metre	71.50
7.3.3	Above 95 sq. mm and upto 185 sq. mm	Metre	77.00
7.3.4	Above 185 sq. mm and upto 400 sq. mm	Metre	94.00
7.4	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.		
7.4.1	Upto 35 sq. mm	Metre	41.50
7.4.2	Above 35 sq. mm and upto 95 sq. mm	Metre	47.00
7.4.3	Above 95 sq. mm and upto 185 sq. mm	Metre	53.00
7.4.4	Above 185 sq. mm and upto 400 sq. mm	Metre	70.00
7.5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.		
7.5.1	Upto 35 sq. mm	Metre	12.00

Code No	Description	Unit	Rate Rs.
7.5.2	Above 35 sq. mm and upto 95 sq. mm	Metre	18.50
7.5.3	Above 95 sq. mm and upto 185 sq. mm	Metre	25.00
7.5.4	Above 185 sq. mm and upto 400 sq. mm	Metre	44.00
7.6	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.		
7.6.1	Upto 35 sq. mm	Metre	9.10
7.6.2	Above 35 sq. mm and upto 95 sq. mm	Metre	15.00
7.6.3	Above 95 sq. mm and upto 185 sq. mm	Metre	20.50
7.6.4	Above 185 sq. mm and upto 400 sq. mm	Metre	37.50
7.7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.		
7.7.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Metre	19.50
7.7.2	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Metre	60.00
7.7.3	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	Metre	69.00
7.7.4	Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	Metre	95.00
7.8	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.		
7.8.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Metre	16.50
7.8.2	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Metre	38.50
7.8.3	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	Metre	47.50
7.8.4	Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	Metre	72.50
7.9	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of 10cm including inscription duly engraved as required.	each	255.00
7.10	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	each	244.00

CHAPTER 8 – HT CABLE LAYING

Code No	Description	Unit	Rate Rs.
8.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.		
8.1.1	Upto 120 sq. mm	Metre	213.00
8.1.2	Above 120 sq. mm and upto 400 sq. mm	Metre	230.00
8.2	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as		
8.2.1	Upto 120 sq. mm	Metre	146.00
8.2.2	Above 120 sq. mm and upto 400 sq. mm	Metre	163.00
8.3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.		
8.3.1	Upto 120 sq. mm	Metre	25.00
8.3.2	Above 120 sq. mm and upto 400 sq. mm	Metre	44.00
8.4	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in the existing masonry open duct as required.		
8.4.1	Upto 120 sq. mm	Metre	20.50
8.4.2	Above 120 sq. mm and upto 400 sq. mm	Metre	37.50
8.5	Laying of one number XLPE power cable of 33 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.		
8.5.1	Upto 120 sq. mm	Metre	214.00
8.5.2	Above 120 sq. mm and upto 400 sq. mm	Metre	231.00
8.6	Laying of one number additional XLPE power cable of 33 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.		
8.6.1	Upto 120 sq. mm	Metre	148.00
8.6.2	Above 120 sq. mm and upto 400 sq. mm	Metre	165.00

Code No	Description	Unit	Rate Rs.
8.7	Laying of one number XLPE power cable of 33 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.		
8.7.1	Upto 120 sq. mm	Metre	27.00
8.7.2	Above 120 sq. mm and upto 400 sq. mm	Metre	45.50
8.8	Laying of one number XLPE power cable of 33 KV grade of following size in the existing masonry open duct as required.		
8.8.1	Upto 120 sq. mm	Metre	22.00
8.8.2	Above 120 sq. mm and upto 400 sq. mm	Metre	39.50

CHAPTER 9 - MV CABLE JOINTING & END TERMINATION

Code No	Description	Unit	Rate Rs.
9.1	Supplying and making indoor end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.		
9.1.1	2 X 6 sq. mm (19mm)	Each	110.00
9.1.2	2 X 10 sq. mm (19mm)	Each	111.00
9.1.3	2 X 16 sq. mm (22mm)	Each	119.00
9.1.4	2 X 25 sq. mm (22mm)	Each	120.00
9.1.5	2 X 35 sq. mm (25mm)	Each	159.00
9.1.6	2 X 50 sq. mm (28mm)	Each	204.00
9.1.7	3 X 10 sq. mm (22mm)	Each	120.00
9.1.8	3 X 16 sq. mm (25mm)	Each	145.00
9.1.9	3 X 25 sq. mm (25mm)	Each	147.00
9.1.10	3 X 35 sq. mm (28mm)	Each	204.00
9.1.11	3 X 50 sq. mm (32mm)	Each	220.00
9.1.12	3 X 70 sq. mm (35mm)	Each	269.00
9.1.13	3 X 95 sq. mm (38mm)	Each	321.00
9.1.14	3 X 120 sq. mm (45mm)	Each	373.00
9.1.15	3 X 150 sq. mm (50mm)	Each	447.00
9.1.16	3 X 185 sq. mm (57mm)	Each	605.00
9.1.17	3 X 225 sq. mm (62mm)	Each	732.00
9.1.18	3 X 240 sq. mm (62mm)	Each	755.00
9.1.19	3 X 300 sq. mm (70mm)	Each	846.00
9.1.20	3½ X 25 sq. mm (28mm)	Each	191.00
9.1.21	3½ X 35 sq. mm (32mm)	Each	223.00
9.1.22	3½ X 50 sq. mm (35mm)	Each	262.00
9.1.23	3½ X 70 sq. mm (38mm)	Each	297.00
9.1.24	3½ X 95 sq. mm (45mm)	Each	366.00
9.1.25	3½ X 120 sq. mm (45mm)	Each	383.00
9.1.26	3½ X 150 sq. mm (50mm)	Each	458.00
9.1.27	3½ X 185 sq. mm (57mm)	Each	616.00
9.1.28	3½ X 225 sq. mm (62mm)	Each	747.00
9.1.29	3½ X 240 sq. mm (62mm)	Each	771.00
9.1.30	3½ X 300 sq. mm (70mm)	Each	867.00
9.1.31	3½ X 400 sq. mm (82mm)	Each	1,109.00
9.1.32	4 X 10 sq. mm (25mm)	Each	146.00
9.1.33	4 X 16 sq. mm (28mm)	Each	188.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

Code No	Description	Unit	Rate Rs.
9.1.34	4 X 25 sq. mm (28mm)	Each	192.00
9.1.35	4 X 35 sq. mm (32mm)	Each	224.00
9.1.36	4 X 50 sq. mm (35mm)	Each	265.00
9.2	Supplying and making outdoor end termination with cast resin compound including aluminium lugs and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.		
9.2.1	2 X 16 sq. mm	Each	518.00
9.2.2	2 X 25 sq. mm	Each	561.00
9.2.3	2 X 35 sq. mm	Each	561.00
9.2.4	2 X 50 sq. mm	Each	561.00
9.2.5	3 X 16 sq. mm	Each	561.00
9.2.6	3 X 25 sq. mm	Each	561.00
9.2.7	3 X 35 sq. mm	Each	561.00
9.2.8	3 X 50 sq. mm	Each	601.00
9.2.9	3 X 70 sq. mm	Each	601.00
9.2.10	3 X 95 sq. mm	Each	706.00
9.2.11	3 X 120 sq. mm	Each	706.00
9.2.12	3 X 150 sq. mm	Each	706.00
9.2.13	3 X 185 sq. mm	Each	969.00
9.2.14	3 X 225 sq. mm	Each	969.00
9.2.15	3 X 240 sq. mm	Each	1,137.00
9.2.16	3 X 300 sq. mm	Each	1,137.00
9.2.17	3½ X 25 sq. mm	Each	561.00
9.2.18	3½ X 35 sq. mm	Each	601.00
9.2.19	3½ X 50 sq. mm	Each	601.00
9.2.20	3½ X 70 sq. mm	Each	664.00
9.2.21	3½ X 95 sq. mm	Each	714.00
9.2.22	3½ X 120 sq. mm	Each	714.00
9.2.23	3½ X 150 sq. mm	Each	969.00
9.2.24	3½ X 185 sq. mm	Each	969.00
9.2.25	3½ X 225 sq. mm	Each	1,137.00
9.2.26	3½ X 240 sq. mm	Each	1,137.00
9.2.27	3½ X 300 sq. mm	Each	1,244.00
9.2.28	3½ X 400 sq. mm	Each	1,436.00
9.2.29	4 X 16 sq. mm	Each	561.00
9.2.30	4 X 25 sq. mm	Each	561.00

CHAPTER 9 – MV CABLE END TERMINATION & JOINTING

Code No	Description	Unit	Rate Rs.
9.2.31	4 X 35 sq. mm	Each	601.00
9.2.32	4 X 50 sq. mm	Each	601.00
9.3	Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.		
9.3.1	2 X 16 sq. mm	Each	1,112.00
9.3.2	2 X 25 sq. mm	Each	1,112.00
9.3.3	2 X 35 sq. mm	Each	1,112.00
9.3.4	2 X 50 sq. mm	Each	1,276.00
9.3.5	3 X 16 sq. mm	Each	1,112.00
9.3.6	3 X 25 sq. mm	Each	1,112.00
9.3.7	3 X 35 sq. mm	Each	1,276.00
9.3.8	3 X 50 sq. mm	Each	1,276.00
9.3.9	3 X 70 sq. mm	Each	1,491.00
9.3.10	3 X 95 sq. mm	Each	1,584.00
9.3.11	3 X 120 sq. mm	Each	1,773.00
9.3.12	3 X 150 sq. mm	Each	1,773.00
9.3.13	3 X 185 sq. mm	Each	2,124.00
9.3.14	3 X 225 sq. mm	Each	2,410.00
9.3.15	3 X 240 sq. mm	Each	2,449.00
9.3.16	3 X 300 sq. mm	Each	3,084.00
9.3.17	3½ X 25 sq. mm	Each	1,276.00
9.3.18	3½ X 35 sq. mm	Each	1,276.00
9.3.19	3½ X 50 sq. mm	Each	1,491.00
9.3.20	3½ X 70 sq. mm	Each	1,534.00
9.3.21	3½ X 95 sq. mm	Each	1,773.00
9.3.22	3½ X 120 sq. mm	Each	2,124.00
9.3.23	3½ X 150 sq. mm	Each	2,124.00
9.3.24	3½ X 185 sq. mm	Each	2,410.00
9.3.25	3½ X 225 sq. mm	Each	2,449.00
9.3.26	3½ X 240 sq. mm	Each	2,977.00
9.3.27	3½ X 300 sq. mm	Each	3,633.00
9.3.28	3½ X 400 sq. mm	Each	4,415.00
9.3.29	4 X 16 sq. mm	Each	1,112.00
9.3.30	4 X 25 sq. mm	Each	1,276.00
9.3.31	4 X 35 sq. mm	Each	1,276.00
9.3.32	4 X 50 sq. mm	Each	1,491.00

CHAPTER 9 – MV CABLE END TERMINATION & JOINTING

Code No	Description	Unit	Rate Rs.
9.4	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.		
9.4.1	2 X 16 sq. mm	Each	533.00
9.4.2	2 X 25 sq. mm	Each	606.00
9.4.3	2 X 35 sq. mm	Each	606.00
9.4.4	2 X 50 sq. mm	Each	606.00
9.4.5	3 X 16 sq. mm	Each	772.00
9.4.6	3 X 25 sq. mm	Each	934.00
9.4.7	3 X 35 sq. mm	Each	934.00
9.4.8	3 X 50 sq. mm	Each	934.00
9.4.9	3 X 70 sq. mm	Each	986.00
9.4.10	3 X 95 sq. mm	Each	1,036.00
9.4.11	3 X 120 sq. mm	Each	1,036.00
9.4.12	3 X 150 sq. mm	Each	1,036.00
9.4.13	3 X 185 sq. mm	Each	1,232.00
9.4.14	3 X 225 sq. mm	Each	1,232.00
9.4.15	3 X 240 sq. mm	Each	1,232.00
9.4.16	3 X 300 sq. mm	Each	1,340.00
9.4.17	3½ X 25 sq. mm	Each	1,114.00
9.4.18	3½ X 35 sq. mm	Each	1,114.00
9.4.19	3½ X 50 sq. mm	Each	1,566.00
9.4.20	3½ X 70 sq. mm	Each	1,566.00
9.4.21	3½ X 95 sq. mm	Each	1,617.00
9.4.22	3½ X 120 sq. mm	Each	2,086.00
9.4.23	3½ X 150 sq. mm	Each	2,086.00
9.4.24	3½ X 185 sq. mm	Each	2,086.00
9.4.25	3½ X 225 sq. mm	Each	2,684.00
9.4.26	3½ X 240 sq. mm	Each	2,684.00
9.4.27	3½ X 300 sq. mm	Each	2,791.00
9.4.28	3½ X 400 sq. mm	Each	3,653.00
9.4.29	4 X 16 sq. mm	Each	943.00
9.4.30	4 X 25 sq. mm	Each	1,114.00
9.4.31	4 X 35 sq. mm	Each	1,114.00
9.4.32	4 X 50 sq. mm	Each	1,566.00

CHAPTER 10 - HV CABLE JOINTING & END TERMINATION

Code No	Description	Unit	Rate Rs.
11 KV CABLE JOINTING			
10.1	Supplying and making indoor cable end jointing with cast resin compound, including lugs and other jointing materials, for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :		
10.1.1	70 sq. mm	Each	2,276.00
10.1.2	120 sq. mm	Each	2,775.00
10.1.3	240 sq. mm	Each	3,301.00
10.1.4	300 sq. mm	Each	3,301.00
10.2	Supplying and making outdoor cable end jointing with cast resin compound, including lugs and other jointing materials, for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :		
10.2.1	70 sq. mm	Each	5,275.00
10.2.2	120 sq. mm	Each	6,562.00
10.2.3	240 sq. mm	Each	8,029.00
10.2.4	300 sq. mm	Each	8,029.00
10.3	Supplying and making straight through cable jointing with cast resin compound, including ferrule and other jointing materials, for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :		
10.3.1	70 sq. mm	Each	3,452.00
10.3.2	120 sq. mm	Each	3,452.00
10.3.3	240 sq. mm	Each	5,051.00
10.3.4	300 sq. mm	Each	6,195.00
10.4	supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :		
10.4.1	70 sq. mm	Each	5,392.00
10.4.2	120 sq. mm	Each	6,450.00
10.4.3	240 sq. mm	Each	6,881.00
10.4.4	300 sq. mm	Each	6,881.00
10.5	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :		
10.5.1	70 sq. mm	Each	7,486.00

CHAPTER 10 – HV CABLE END TERMINATION & JOINTING

Code No	Description	Unit	Rate Rs.
10.5.2	120 sq. mm	Each	8,187.00
10.5.3	240 sq. mm	Each	9,274.00
10.5.4	300 sq. mm	Each	9,274.00
10.6	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :		
10.6.1	70 sq. mm	Each	12,413.00
10.6.2	120 sq. mm	Each	15,676.00
10.6.3	240 sq. mm	Each	17,204.00
10.6.4	300 sq. mm	Each	17,204.00
33 KV CABLE JOINTING			
10.7	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 33 KV grade as required :		
10.7.1	70 sq. mm	Each	8,883.00
10.7.2	120 sq. mm	Each	9,520.00
10.7.3	240 sq. mm	Each	14,225.00
10.8	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 33 KV grade as required :		
10.8.1	70 sq. mm	Each	11,886.00
10.8.2	120 sq. mm	Each	14,804.00
10.8.3	240 sq. mm	Each	19,128.00
10.9	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 33 KV grade as required :		
10.9.1	70 sq. mm	Each	30,118.00
10.9.2	120 sq. mm	Each	38,168.00
10.9.3	240 sq. mm	Each	52,959.00

CHAPTER 11 - POLE ERECTION

Code No	Description	Unit	Rate Rs.
11.1	Erection of RCC/ PCC pole of following length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc as required.		
11.1.1	Above 4.5 metre and upto 6.5 metre	Each	2,064.00
11.1.2	Above 6.5 metre and upto 8.0 metre	Each	2,304.00
11.1.3	Above 8.0 metre and upto 11.0 metre	Each	2,749.00
11.1.4	Above 11.00 metre and upto 13.00 metre	Each	3,038.00
11.2	Erection of RCC/ PCC pole strut in brick ballast and ramming the foundation including excavation and refilling and secured with holding clamps, bolts, nuts, etc. as required.	Each	3,447.00
11.3	Erection of metallic pole of following length in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.		
11.3.1	Above 4.5 metre and upto 6.5 metre	Each	2,010.00
11.3.2	Above 6.5 metre and upto 8.0 metre	Each	2,456.00
11.3.3	Above 8.0 metre and upto 10.0 metre	Each	2,952.00
11.3.4	Above 10.00 metre and upto 12.00 metre	Each	3,482.00
11.4	Erection of steel tubular or rail pole strut in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling and secured with holding clamps, bolts, nuts, etc. as required.	Each	3,452.00
11.5	Providing and making steel pole collar with cement concrete (1 cement : 3 coarse sand : 6 stone aggregate 20mm) of specified size and shape including form work, plastering if required, curing etc as required. (Volume of pole/ pipe not to be deducted)	Cum	4,025.00
11.6	Supplying and embedding following dia G.I. pipe (medium class) in pole collar/ foundation (during casting) for cable entry including bending the pipe to the required shape complete as required.		
11.6.1	32 mm dia	metre	235.00
11.6.2	40 mm dia	metre	274.00

CHAPTER 12 - MV OVER HEAD LINE WORK

Code No	Description	Unit	Rate Rs.
12.1	Supplying and erection of stay set complete (galvanised) with 19/20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, turn buckle (20 mm X 60 cm), 7/ 4.00 mm dia G.I. stay wire and strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.	Each	3,235.00
12.2	Supplying and erection of stay set complete (galvanised) with 19/20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, turn buckle (20 mm X 60 cm), 7/ 3.15 mm dia G.I. stay wire and strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.	Each	3,086.00
12.3	Supplying and erection of stay set complete (galvanised) with 19/20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, bow tightener, 7/ 4.00 mm dia G.I. stay wire and strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.	Each	3,235.00
12.4	Supplying and erection of stay set complete (galvanised) with 19/20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, bow tightener, 7/ 3.15 mm dia G.I. stay wire and strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.	Each	3,080.00
12.5	Supplying and erection of bow stay set complete (galvanised) with 19/20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, turn buckle (20 mm X 60 cm), 7/ 4.00 mm dia G.I. stay wire and strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling and also with 0.6 m long brace of size 50 mm X 50 mm X 6 mm angle iron with 50 mm dia pulley fixed at one end of the brace as required.	Each	3,551.00
12.6	Supplying and erection of bow stay set complete (galvanised) with 19/20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, turn buckle (20 mm X 60 cm), 7/ 3.15 mm dia G.I. stay wire and strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling and also with 0.6 m long brace of size 50 mm X 50 mm X 6 mm angle iron with 50 mm dia pulley fixed at one end of the brace as required.	Each	3,396.00

CHAPTER 12 – MV OVER HEAD LINE WORK

Code No	Description	Unit	Rate Rs.
12.7	Supplying and erection of bow stay set complete (galvanised) with 19/20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, bow tightener), 7/ 4.00 mm dia G.I. stay wire and strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling and also with 0.6 m long brace of size 50 mm X 50 mm X 6 mm angle iron with 50 mm dia pulley fixed at one end of the brace as required.	Each	3,551.00
12.8	Supplying and erection of bow stay set complete (galvanised) with 19/20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, bow tightener), 7/ 3.15mm dia G.I. stay wire and strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling and also with 0.6 m long brace of size 50 mm X 50 mm X 6 mm angle iron with 50 mm dia pulley fixed at one end of the brace as required.	Each	3,396.00
12.9	Erection of stay set complete (galvanised) in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.	Each	1,828.00
12.10	Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per metre) cross arm for 2 wire over head line complete with clamps, bolts, nuts and washer etc including drilling of holes for insulator pins etc (as per drawing) and painting with primer and finished paint as required .	Set	418.00
12.11	Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per metre) cross arm for 4 wire over head line complete with clamps, bolts, nuts and washer etc including drilling of holes for insulator pins etc (as per drawing) and painting with primer and finished paint as required .	Set	717.00
12.12	Erection of angle iron/ channel iron cross arm on wood/ RCC/ PCC/ steel tubular/ rail pole etc. as required.	Set	97.00
12.13	Supplying and erection of galvanised 'D' iron clamps complete with shackle insulator (75 mm X 90 mm),G. I. bolts, nuts and washers, coach screws etc. as required.	Set	179.00
12.14	Supplying and erection of galvanised 'D' iron clamps complete with shackle insulator (100 mm X 110 mm), G.I. bolts, nuts and washers, coach screws etc. as required.	Set	205.00
12.15	Erection of galvanised 'D' iron clamps and insulator on pole as required.	Set	24.00
12.16	Supplying and erection of 75 mm X 90 mm shackle insulator with G. I. Bolt, nuts and straps etc. as required .	Set	129.00

Code No	Description	Unit	Rate Rs.
12.17	Supplying and erection of 100 mm X 110 mm shackle insulator with G. I. Bolt, nuts and straps etc. as required .	Set	154.00
12.18	Supplying and erection of 100 mm X 65 mm pin insulator complete with G. I. Spindle and nuts etc. as required .	Set	65.00
12.19	Supplying and erection of 100 mm X 80 mm pin insulator complete with G. I. Spindle and nuts etc. as required .	Set	67.00
12.20	Erection of LV/MV shackle/pin insulator etc. as required.	Set	26.50
12.21	Erection of ACSR conductor of 7/2.11 mm to 7/3.00 mm diameter including binding etc. as required.	Kg	65.00
12.22	Erection of ACSR conductor of 7/3.35 mm to 7/4.00 diameter and above including binding etc. as required.	Kg	85.50
12.23	Erection of all aluminium conductor of 7/1.96 mm to 7/3.10 mm diameter including binding etc. as required.	Kg	86.00
12.24	Erection of all aluminium conductor of 7/3.40 mm to 7/4.00 mm diameter and above including binding etc. as required.	Kg	65.00
12.25	Erection of G.I. Wire No. 8 SWG including binding etc. as required.	Kg	13.00
12.26	Erection of hexagonal type guard as required.	Each	70.00
12.27	Erection of ring type guard as required.	Each	23.50
12.28	Erection of cradle guard as required.	Each	46.50
12.29	Supplying and erection of 15 A aerial fuse complete as required.	Each	52.50
12.30	Supplying and erection of 30 A aerial fuse complete as required.	Each	64.50
12.31	Erection of aerial fuse as required.	Each	35.50
12.32	Supplying and fixing MV horn gap lightning arrestor as required.	Each	157.00
12.33	Fixing of MV lightning arrestor as required.	Each	53.00
12.34	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV / HPSV street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.	Each	713.00
12.35	Providing and fixing 50 mm dia X 3.2 metres G.I. pipe (including accessories) complete with 50 mm X 50 mm X 6 mm angle iron bracket on wall and 75 mm X 90 mm shackle insulator with straps for house service connection including painting the angle and flat iron with primer and finish paint etc. as required.	Each	1,658.00

CHAPTER 12 – MV OVER HEAD LINE WORK

Code No	Description	Unit	Rate Rs.
12.36	Providing and fixing 50 mm dia X 5.6 metres G.I. pipe (including accessories) complete with 50 mm X 50 mm X 6 mm angle iron cross arm and 40 mm X 3mm M.S. flat iron clamps bends for guard wire, 75 mm X 90 mm shackle insulator and straps, 7/ 3.15 mm G.I. wire stay set for house service connection including painting the angle and flat iron with primer and finish paint etc. as required.	Each	2,543.00
12.37	Supplying and fixing of light class G.I. pipe of 50 mm dia. (nominal) 3 metres length along the pole for protection of under ground cable as required.	Each	1,235.00
12.38	Supplying and fixing of light class G.I. pipe of 80 mm dia. (nominal) 3 metres length along the pole for protection of under ground cable as required.	Each	1,790.00
12.39	Supplying and fixing of light class G.I. pipe of 100 mm dia. (nominal) 3 metres length along the pole for protection of under ground cable as required.	Each	2,406.00
12.40	Dismantling of over head lines comprising of copper/ aluminium over head conductor, G.I. wire, cross arms, insulators etc. as required.	Kg	27.50
12.41	Dismantling of pole/ street light standard/ strut embedded in brick ballast foundation etc. as required.	Each	647.00
12.42	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required.	Each	859.00

CHAPTER 13 - HV OVER HEAD LINE WORK

Code No	Description	Unit	Rate Rs.
11 KV OVER HEAD LINE			
13.1	Supplying and erection of galvanised stay set for 11 KV over head lines complete with 19/ 20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm thick, thimble, stay clamps, turn buckle (20 mm X 600 mm), 7/ 4.00 mm dia G.I. stay wire and 11 KV strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.	Set	3,297.00
13.2	Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per metre) pole top bracket/ cross arm for single 11 KV over head line conductor complete with 50 mm X 6mm flat iron clamp, bolts, nuts and washers including drilling holes for insulator pins, bolts and nuts etc and painting with primer and finish paint as required.	Each	288.00
13.3	Supplying of 50 mm X 8 mm M.S. flat iron pole top bracket/ cross arm for single 11/22/33 KV over head line conductor complete with fixing clamps, bolts, nuts and washers drilling holes for insulator pins, bolts and nuts etc and painting with primer and finish paint as required .	Each	305.00
13.4	Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per metre) cross arm for two 11 KV over head line conductors complete with 50 mm X 50 mm X 6 mm (angle iron bracket welded to the channel iron and complete with 50 mm X 6mm M.S. flat iron clamps, bolts and nuts including drilling holes for insulator pins, bolts, nuts and washers etc (as per drawing) and painting with primer and finish paint as required .	Each	1,349.00
13.5	Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per metre) V shape cross arm for two 11 KV over head line conductors complete with 50 mm X 6mm M.S. flat iron clamps, bolts and nuts including drilling holes for insulator pins, bolts, nuts and washers etc (as per drawing) and painting with primer and finish paint as required .	Each	1,048.00
13.6	Erection of pole top/ straight two wire/ V shape two wire, angle iron/ channel iron, cross arm on steel tubular/ rail/ PCC pole for 11/22/33 KV as required.	Set	176.00
13.7	Supplying of two lengths of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per metre) double pole cross arm for three wire 11KV over head line conductors complete with through bolts and nuts for clamping to the poles, 50 mm X 6 mm M.S. flats welded on one side to the channel iron and with bolts and nuts on the other side for tying the cross arms together, including drilling holes for insulator pins/ fittings, bolts, nuts and washers etc (as per drawing) and painting with primer and finish paint as required.	Set	2,877.00

CHAPTER 13 –HV OVER HEAD LINE WORK

Code No	Description	Unit	Rate Rs.
13.8	Supplying and erection of a set of cross bracing frame work for 11 KV over head line double pole structure having four members fabricated out of 50 mm X 50 mm X 6 mm angle iron to form a rectangle of minimum size 1400 mm width X 2500 mm height , complete with 50 mm X 6mm M.S. flat iron clamps, bolts and nuts including drilling holes for insulator pins, bolts and nuts etc (as per drawing) and painting with primer and finish paint as required .	Set	3,927.00
13.9	Erection of double pole 3 wire cross arm for 11KV/ 22KV/ 33 KV over head lines as required.	Each	408.00
13.10	Supplying and erection of 11 KV pin insulator complete with large steel head G.I. pin, nuts, washers etc. as required.	Set	369.00
13.11	Supplying and erection of 11 KV disc insulator for 11 KV over head lines with galvanised insulator fittings, ball and socket type and complete with galvanised strain clamps, bolts, nuts, washers etc. as required.	Set	1,171.00
13.12	Erection of disc/ pin insulator for 11 KV over head lines as required.	Set	53.00
13.13	Supplying and erection of three piece nonlinear resistor type lightning arrester suitable for 3 wire, 11 KV overhead lines with rated voltage 9 KV (rms) with a nominal discharge current rating of 5 KA and complete with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.	Set	6,030.00
33 KV OVER HEAD LINE			
13.14	Supplying and erection of galvanised stay set for 33 KV over head lines complete with 19/ 20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm thick, thimble, stay clamps, turn buckle (20 mm X 600 mm), 7/ 4.00 mm dia G.I. stay wire and 33 KV strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.	Set	3,326.00
13.15	Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per metre) pole top bracket/ cross arm for single 33 KV over head line conductor complete with 50 mm X 6mm flat iron clamps, bolts and nuts including drilling holes for insulator pins, bolts, nuts, washers etc and painting with primer and finish paint as required .	Each	306.00
13.16	Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per metre) cross arm for two 33 KV over head line conductors complete with 50 mm X 50 mm X 6 mm angle iron bracket welded to the channel iron and complete with 50 mm X 6mm M.S. flat iron clamps, bolts and nuts including drilling holes for insulator pins, bolts, nuts, washers etc and painting with primer and finish paint as required .	Each	1,720.00

Code No	Description	Unit	Rate Rs.
13.17	Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg/m) "V" shape cross arm for two 33 KV over head line conductors complete with 50 mm X 6mm M.S. flat iron clamps, bolts and nuts including drilling holes for insulator pins, bolts and nuts etc and painting with primer and finish paint as required .	Each	1,220.00
13.18	Supplying of channel iron 100 mm X 50 mm X 6 mm (9.56 kg/m), pole top bracket/ cross arm for single 33 KV over head line conductor complete with 50 mm X 6 mm M.S. flat iron clamps, bolts and nuts including drilling holes for insulator pins, bolts and nuts etc and painting with primer and finish paint as required .	Each	379.00
13.19	Supplying of channel iron 100 mm X 50 mm X 6 mm (9.56 kg/m) cross arm for two wire 33 KV over head line conductors complete with 50 mm X 50 mm X 6 mm angle iron bracket welded to the channel iron and complete with 50 mm X 6mm M.S. flat iron clamps, bolts and nuts including drilling holes for insulator pins/ fittings, bolts, nuts, washers etc and painting with primer and finish paint as required .	Each	2,139.00
13.20	Supplying of channel iron 100 mm X 50 mm X 6 mm (9.56 kg/m) "V" shape cross arm for two 33 KV over head line conductors complete with 50 mm X 6mm M.S. flat iron clamps, bolts and nuts including drilling holes for insulator pins, bolts, nuts, washers etc and painting with primer and finish paint as required.	Each	1,532.00
13.21	Supplying of two lengths of channel iron 100 mm X 50 mm X 6 mm (9.56 kg/m) double pole cross arm for three wire 33 KV over head line conductors complete with through bolts and nuts for clamping to the poles, 50 mm X 6 mm M.S. flats welded on one side to the channel iron and with bolts and nuts on the other side for tying the cross arms together, including drilling holes for insulator pins/ fittings, bolts, nuts, washers etc and painting with primer and finish paint as required .	Set	3,873.00
13.22	Supplying and erection of a set of cross bracing frame work for 33 KV over head line double pole structure having four members fabricated out of 65 mm X 65 mm X 6 mm angle iron to form a rectangle of minimum size 2400 mm width X 2800 mm height complete with 50 mm X 6mm M.S. flat iron clamps, bolts and nuts including drilling holes for insulator pins, bolts, nuts, washers etc and painting with primer and finish paint as required .	Set	5,951.00
13.23	Supplying and erection of 33 KV pin insulator complete with large steel head G.I. pin, nuts, washers etc. as required.	Set	1,083.00
13.24	Supplying and erection of a set of three 11 KV disc insulator for 33 KV over head lines with galvanised insulator fittings, ball and socket type and complete with galvanised strain clamps, bolts, nuts, washers etc. as required.	Set	3,437.00
13.25	Supplying and erection of single piece nonlinear resistor type lightning arrester suitable for 3 wire, 33 KV overhead lines with rated voltage 30 KV (rms) with a nominal discharge current rating of 10 KA (station class) and complete with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.	Set	43,736.00

CHAPTER 14 – MISC. CIVIL ITEMS

Code No	Description	Unit	Rate Rs.
14.1	Excavation for foundation in soft soil including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres.	Cum	129.00
14.2	Excavation for cable trenches of depth upto 1.2 m in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.	Cum	131.00
14.3	Filling available excavated earth (excluding rock) in trenches, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 metres.	Cum	84.00
14.4	Excavation for cable trenches in soft soil, depth upto 1.2 m including dressing of sides lift upto 1.5 m, including getting out the excavated soil, refilling with sand and or good soil after laying of cable/ pipe etc in layers of 20 cm, ramming, watering and disposal of surplus excavated soil as directed, within a lead of 50 metres.	Cum	215.00
14.5	Deduct for not consolidation by ramming and watering while re-filling with sand and or good soil in cable/ pipe laying.	cum	48.00
14.6	Excavation of the cable trenches in hard rock not exceeding 1.5 metres in width, and lift upto 1.5 metres, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 metres.	cum	379.00
14.7	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required.	cum	4,516.00
14.8	Providing and laying in position cement concrete 1:3:6 (1 cement : 2 coarse sand : 6 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required.	cum	4,025.00
14.9	Providing and laying in position cement concrete 1:3:6 (1 cement : 2 coarse sand : 6 graded stone aggregate 40 mm nominal size) in foundation of pump, DG set etc including form work etc as required.	cum	3,887.00
14.10	Providing and laying in position reinforced cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required (excluding reinforcement).	cum	4,704.00
14.11	Providing brick work (in width 225 mm or more) with F.P.S. bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand) at all levels.	cum	3,512.00

Code No	Description	Unit	Rate Rs.
14.12	Providing cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	sqm	143.00
14.13	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required		
14.13.1	50 mm dia	Metre	348.00
14.13.2	80 mm dia	Metre	555.00
14.13.3	100 mm dia	Metre	765.00
14.13.4	150 mm dia	Metre	1,193.00
14.14	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.		
14.14.1	100 mm dia	Metre	287.00
14.14.2	150 mm dia	Metre	328.00
14.14.3	250 mm dia	Metre	394.00
14.14.4	300 mm dia	Metre	496.00

APPENDIX-I BASIC RATE OF LABOUR & HIRE CHARGES

Code No	Description	Unit	Rate Rs.
1001	Wireman	day	301.00
1002	Cable jointer	day	301.00
1003	Lineman	day	273.00
1004	Fitter, Grade 1	day	301.00
1005	Fitter, Grade 2	day	273.00
1006	Painter	day	273.00
1007	Khallas	day	247.00
1008	Carpenter, Grade 1	day	301.00
1009	Blacksmith, Grade 2	day	273.00
1010	Mason, Grade 2	day	273.00
1011	Stone Chiseler	day	260.00
1012	Beldar/ coolie	day	247.00
1013	Bhisti	day	260.00
1014	Excavator	day	247.00
1015	Stone Breaker	day	247.00
1016	Mate	day	260.00
1081	Hire charges for 5 ton truck	day	1800.00
1082	Hire charges for compressor and spray gun	day	250.00
1083	Drilling of 46 Nos 12 mm dia holes on G.I. pipe	L.S.	230.00
1084	Drilling holes	each	5.00
1085	Solder jointing	each	10.00
1086	Welding charges	mm	0.35

APPENDIX-II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
PVC INSULATED COPPER CONDUCTOR WIRES			
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	metre	10.95
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	metre	17.63
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	metre	25.88
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	metre	35.84
1105	10 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	metre	62.93
1106	16 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	metre	90.72
1108	16/0.20 mm (0.5 sqmm) twin core FR PVC sheathed, flat flexible copper cable	metre	11.47
1109	16/0.20 mm (0.5 sqmm) twin circular, FR PVC sheathed, workshop flexible copper cable	metre	11.47
1110	32/0.20 mm (1.0 sqmm) twin circular, FR PVC sheathed, workshop flexible copper cable	metre	18.14
1111	1 pair, 0.5 sq. mm annealed copper conductor, FR PVC insulated, unarmoured, telephone cable	metre	3.78
1112	2 pair, 0.5 sq. mm annealed copper conductor, FR PVC insulated, unarmoured, telephone cable	metre	7.56
1113	4 pair, 0.5 sq. mm annealed copper conductor, FR PVC insulated, unarmoured, telephone cable	metre	14.43
1114	Co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid protected with PVC sheath	metre	12.73
CONDUIT (STEEL & PVC) AND ACCESSORIES			
1201	20 mm dia. ISI marked, steel conduit	metre	60.38
1202	25 mm dia. ISI marked, steel conduit	metre	76.13
1203	32 mm dia. ISI marked, steel conduit	metre	115.50
1204	40 mm dia. ISI marked, steel conduit	metre	186.38
1205	50 mm dia. ISI marked, steel conduit	metre	262.50
1206	20 mm inspection/ solid bends	each	14.28
1207	25 mm inspection/ solid bends	each	15.54
1208	32 mm inspection/ solid bends	each	24.15
1209	40 mm inspection/ solid bends	each	38.64
1210	50 mm inspection/ solid bends	each	57.96
1211	20 mm sockets	each	2.60

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
1213	32 mm sockets	each	6.97
1214	40 mm sockets	each	10.50
1215	50 mm sockets	each	18.82
1216	20 mm junction box, one way	each	12.60
1217	20 mm junction box, two way	each	12.60
1218	20 mm iron staples/ saddles/ screws	each	1.68
1219	25 mm iron staples/ saddles/ screws	each	1.93
1220	32 mm iron staples/ saddles/ screws	each	2.94
1221	40 mm iron staples/ saddles/ screws	each	3.95
1222	50 mm iron staples/ saddles/ screws	each	5.04
1224	20 mm dia. ISI marked, PVC conduit	metre	14.14
1225	25 mm dia. ISI marked, PVC conduit	metre	19.44
1226	32 mm dia. ISI marked, PVC conduit	metre	29.77
1227	40 mm dia. ISI marked, PVC conduit	metre	45.52
1228	50 mm dia. ISI marked, PVC conduit	metre	66.15
1229	20 mm PVC bends	each	5.42
1230	25 mm PVC bends	each	7.37
1231	32 mm PVC bends	each	12.66
1232	40 mm PVC bends	each	14.87
1233	50 mm PVC bends	each	29.64
1234	20 mm PVC couplers	each	3.31
1235	25 mm PVC couplers	each	5.04
1236	32 mm PVC couplers	each	8.19
1237	40 mm PVC couplers	each	10.05
1238	50 mm PVC couplers	each	12.54
1239	20 mm PVC junction box, one way	each	9.45
1240	20 mm PVC junction box, two way	each	9.77
1241	75 mm X 75 mm X 50 mm PVC box	each	17.44
METAL BOXES			
1300	Modular GI box for 2 module	each	32.63
1301	Modular GI box for 3 module	each	32.63
1302	Modular GI box for 4 module	each	43.88
1303	Modular GI box for 6 module	each	69.75
1304	Modular GI box for 8 module	each	79.88
1305	Modular GI box for 12 module	each	120.38

Code No	Description	Unit	Rate Rs.
1306	75 mm X 75 mm X 60 mm deep metal box	each	18.11
1307	100 mm X 100 mm X 60 mm deep metal box	each	25.20
1308	150 mm X 75 mm X 60 mm deep metal box	each	29.14
1309	150 mm X 150 mm X 60 mm deep metal box	each	41.74
1310	180 mm X 100 mm X 60 mm deep metal box	each	36.23
1311	200 mm X 125 mm X 60 mm deep metal box	each	44.89
1312	200 mm X 150 mm X 60 mm deep metal box	each	54.34
1313	200 mm X 250 mm X 60 mm deep metal box	each	74.81
1314	200 mm X 300 mm X 60 mm deep metal box	each	106.43
1315	250 mm X 300 mm X 60 mm deep metal box	each	113.85
1316	200 mm X 150 mm X 75 mm deep metal box	each	58.28
1317	200 mm X 250 mm X 75 mm deep metal box	each	81.11
1318	200 mm X 150 mm X 100 mm deep metal box	each	67.73
1319	200 mm X 250 mm X 100 mm deep metal box	each	99.23
1320	200 mm X 300 mm X 100 mm deep metal box	each	113.40
1321	250 mm X 300 mm X 100 mm deep metal box	each	134.89
WIRING SWITCHES AND ACCESSORIES			
1401	Ceiling rose, 3 pin, 5 amps ISI marked	each	12.38
1402	S.P. 5/6 amps, one way modular switch, ISI marked	each	42.75
1403	S.P. 5/6 amps, two way modular switch, ISI marked	each	63.00
1404	S.P. 15/16 amps, one way modular switch, ISI marked	each	72.00
1405	3 pin 5/6 amps modular socket outlet, ISI marked	each	66.38
1406	6 pin 15/16 amps modular socket outlet, ISI marked	each	104.63
1407	Modular bell push, ISI marked	each	63.00
1408	Stepped type Modular Fan regulator (2 module)	each	255.38
1409	Telephone Socket outlet modular type	each	55.13
1410	T.V. Socket outlet modular type	each	58.50
1411	Modular blanking plate	each	13.50
1420	Modular base & cover plate for 1 module	each	32.63
1421	Modular base & cover plate for 2 module	each	32.63
1422	Modular base & cover plate for 3 module	each	42.75
1423	Modular base & cover plate for 4 module	each	48.38
1424	Modular base & cover plate for 6 module	each	63.00
1425	Modular base & cover plate for 8 module	each	82.13
1426	Modular base & cover plate for 12 module	each	118.13
1431	S.P. 5/6 amps, one way switch, piano type ISI marked	each	9.00

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
1432	S.P. 5/6 amps, two way switch, piano type ISI marked	each	14.40
1433	S.P. 15/16 amps, one way switch, piano type ISI marked	each	31.05
1434	3 pin 5/6 amps socket outlet, piano type ISI marked	each	14.40
1435	6 pin 15/16 & 5/6 amps socket outlet, piano type ISI marked	each	40.95
1436	Bell push, piano type	each	9.90
1437	Telephone Socket outlet piano type	each	20.03
1438	T.V. Socket outlet piano type	each	12.60
1441	Brass pendant holder	each	34.43
1442	Brass batten/ angle holder	each	31.56
1443	Brass bracket holder 16 mm	each	31.56
1444	Call bell/ buzzer, single phase	each	35.38
RISING MAINS, BUS TRUNKING AND OVER HEAD BUS-BAR			
1501	200 amps. TPN, rising mains in metal enclosure with aluminium bus bar including fixing clamp	metre	3821.90
1502	300 amps. TPN, rising mains in metal enclosure with aluminium bus bar including fixing clamp	metre	3995.62
1503	400 amps. TPN, rising mains in metal enclosure with aluminium bus bar including fixing clamp	metre	4951.09
1504	600 amps. TPN, rising mains in metal enclosure with aluminium bus bar including fixing clamp	metre	5559.12
1505	800 amps. TPN, rising mains in metal enclosure with aluminium bus bar including fixing clamp	metre	6731.75
1511	16 amps. TPN, 2 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	7166.05
1512	16 amps. TPN, 4 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	13463.49
1513	16 amps. TPN, 6 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	19109.48
1514	16 amps. TPN, 8 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	26492.68
1515	32 amps. TPN, 2 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	7383.21
1516	32 amps. TPN, 4 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	15200.72
1517	32 amps. TPN, 6 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	19978.09
1518	32 amps. TPN, 8 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	27795.60
1519	63 amps. TPN, 2 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	8425.54

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
1520	63 amps. TPN, 4 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	15200.72
1521	63 amps. TPN, 6 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	21281.01
1522	63 amps. TPN, 8 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	29532.83
1526	200 amps. TPN, adaptor box with cable end box, with TPN disconnecter FSU, ISI marked HRC fuses and brass compression gland for rising mains	each	11986.85
1527	300 amps. TPN, adaptor box with cable end box, with TPN disconnecter FSU, ISI marked HRC fuses and brass compression gland for rising mains	each	13029.19
1528	400 amps. TPN, adaptor box with cable end box, with TPN disconnecter FSU, ISI marked HRC fuses and brass compression gland for rising mains	each	14332.11
1529	600 amps. TPN, adaptor box with cable end box, with TPN disconnecter FSU, ISI marked HRC fuses and brass compression gland for rising mains	each	15461.30
1530	800 amps. TPN, adaptor box with cable end box, with TPN disconnecter FSU, ISI marked HRC fuses and brass compression gland for rising mains	each	17198.53
1531	800 amps. TPN, bus trunking with aluminium bus bars	metre	6731.75
1532	1000 amps. TPN, bus trunking with aluminium bus bars	metre	7991.24
1533	1250 amps. TPN, bus trunking with aluminium bus bars	metre	10249.63
1534	1400 amps. TPN, bus trunking with aluminium bus bars	metre	12855.47
1535	1600 amps. TPN, bus trunking with aluminium bus bars	metre	12855.47
1536	200 amps. TPN, overhead bus bars with aluminium bus bars	metre	3821.90
1537	400 amps. TPN, overhead bus bars with aluminium bus bars	metre	4951.09
1538	32 amps. TPN, plug-in-box with TPN disconnecter FSU and ISI marked HRC fuses for overhead bus bars	each	4318.25
1539	63 amps. TPN, plug-in-box with TPN disconnecter FSU and ISI marked HRC fuses for overhead bus bars	each	4839.41
1540	100 amps. TPN, plug-in-box with TPN disconnecter FSU and ISI marked HRC fuses for overhead bus bars	each	5583.94
1541	16 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	4777.37
1542	32 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	5037.95
1543	63 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	5645.98

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
1544	100 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	6514.59
1545	200 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	10249.63
1546	315 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	No	10857.66
1547	400 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	No	11291.96
1551	200 amps. TPN, compact type rising mains with aluminium bus bar including all accessories	metre	3915.00
1552	315 amps. TPN, compact type rising mains with aluminium bus bar including all accessories	metre	4556.25
1553	400 amps. TPN, compact type rising mains with aluminium bus bar including all accessories	metre	4995.00
1554	500 amps. TPN, compact type rising mains with aluminium bus bar including all accessories	metre	5838.75
1555	630 amps. TPN, compact type rising mains with aluminium bus bar including all accessories	metre	6885.00
1556	800 amps. TPN, compact type rising mains with aluminium bus bar including all accessories	metre	9652.50
1557	1000 amps. TPN, compact type rising mains with aluminium bus bar including all accessories	metre	11272.50
1558	1250 amps. TPN, compact type rising mains with aluminium bus bar including all accessories	metre	12825.00
1559	200 amps. TPN, compact type bus trunking with aluminium bus bar including elbows and other all accessories	metre	4241.25
1560	315 amps. TPN, compact type bus trunking with aluminium bus bar including elbows and other all accessories	metre	4935.94
1561	400 amps. TPN, compact type bus trunking with aluminium bus bar including elbows and other all accessories	metre	5411.25
1562	500 amps. TPN, compact type bus trunking with aluminium bus bar including elbows and other all accessories	metre	6325.31
1563	630 amps. TPN, compact type bus trunking with aluminium bus bar including elbows and other all accessories	metre	7458.75
1564	800 amps. TPN, compact type bus trunking with aluminium bus bar including elbows and other all accessories	metre	10456.88
1565	1000 amps. TPN, compact type bus trunking with aluminium bus bar including elbows and other all accessories	metre	12211.88
1566	1250 amps. TPN, compact type bus trunking with aluminium bus bar including elbows and other all accessories	metre	13893.75
1567	200 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	3206.25

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
1568	315 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	3341.25
1569	400 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	4252.50
1570	500 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	4455.00
1571	630 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	5433.75
1572	800 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	6817.50
1573	1000 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	7222.50
1574	1250 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	7627.50
1575	125 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	3712.50
1576	200 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	4725.00
1577	315 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	6075.00
1578	400 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	6075.00
1579	500 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	8775.00
1580	630 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	8775.00
SWITCH DISCONNECTOR SFU AND MCCB			
1601	32 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	1131.90
1602	63 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	1558.20
1603	100 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	3248.70
1604	125 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	4299.75
1605	160 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	4975.95
1606	200 amps. TPN switch fuse unit with ISI marked HRC fuses	each	5350.80
1607	315 amps. TPN switch fuse unit with ISI marked HRC fuses	each	8886.15
1608	400 amps. TPN switch fuse unit with ISI marked HRC fuses	each	10708.95

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
1610	3 pole MCCB, 100A, 16KA	each	2331.00
1611	3 pole MCCB, 125A, 16KA	each	3276.00
1612	3 pole MCCB, 150A, 16KA	each	4032.00
1613	3 pole MCCB, 200A, 16KA	each	5859.00
1614	3 pole MCCB, 200A, 25KA	each	6174.00
1615	3 pole MCCB, 250A, 25KA	each	8127.00
1616	3 pole MCCB, 250A, 35KA	each	11655.00
1617	3 pole MCCB, 315A, 35KA	each	14175.00
1618	3 pole MCCB, 400A, 35KA	each	14175.00
1619	3 pole MCCB, 500A, 35KA	each	16317.00
1620	3 pole MCCB, 630A, 50KA	each	16884.00
1621	3 pole MCCB, 800A, 50KA	each	21735.00
MCB'S, ISOLATORS, RCCB'S AND MCB DB'S			
1706	6 amps. to 32 amps. ratings , SP MCB, "C" curve, 10 KA breaking capacity	each	99.75
1707	6 amps. to 32 amps. ratings , SPN MCB, "C" curve, 10 KA breaking capacity	each	294.00
1708	6 amps. to 32 amps. ratings , DP MCB, "C" curve, 10 KA breaking capacity	each	304.50
1709	6 amps. to 32 amps. ratings , TP MCB, "C" curve, 10 KA breaking capacity	each	462.00
1710	6 amps. to 32 amps. ratings , TPN MCB, "C" curve, 10 KA breaking capacity	each	601.13
1711	Single pole, blanking plate	each	4.20
1712	40 amps., 2 pole isolator	each	189.00
1713	63 amps., 2 pole isolator	each	238.88
1714	40 amps., 4 pole isolator	each	433.13
1715	63 amps., 4 pole isolator	each	441.00
1716	100 amps., 4 pole isolator	each	567.00
1717	25 amps. rating, 2 pole RCCB, 100mA/ 300mA	each	1107.75
1718	40 amps. rating, 2 pole RCCB, 100mA/ 300mA	each	1173.38
1719	63 amps. rating, 2 pole RCCB, 100mA/ 300mA	each	1543.50
1720	25 amps. rating, 4 pole RCCB, 100mA/ 300mA	each	1401.75
1721	40 amps. rating, 4 pole RCCB, 100mA/ 300mA	each	1422.75
1722	63 amps. rating, 4 pole RCCB, 100mA/ 300mA	each	1648.50
1723	16/25 amps. rating, 2 pole RCBO 100mA/ 300mA sensitivity	each	1383.38
1724	32 amps. rating, 2 pole RCBO 100mA/ 300mA sensitivity	each	1383.38

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
1725	40 amps. rating, 2 pole RCBO 100mA/ 300mA sensitivity	each	1656.38
1726	16/25 amps. rating, 4 pole RCBO 100mA/ 300mA sensitivity	each	1740.38
1727	32 amps. rating, 4 pole RCBO 100mA/ 300mA sensitivity	each	1740.38
1728	40 amps. rating, 4 pole RCBO 100mA/ 300mA sensitivity	each	1874.25
1730	20 amps. SPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	each	393.75
1731	20 amps. TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	each	913.50
1732	30 amps. TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	each	1141.88
1734	2+2 way, SPN, single door, MCB DB	each	278.25
1735	2+4 way, SPN, single door, MCB DB	each	312.38
1736	2+6 way, SPN, single door, MCB DB	each	346.50
1737	2+10 way, SPN, single door, MCB DB	each	469.88
1738	2+2 way, SPN, double door, MCB DB	each	472.50
1739	2+4 way, SPN, double door, MCB DB	each	540.75
1740	2+6 way, SPN, double door, MCB DB	each	609.00
1741	2+10 way, SPN, double door, MCB DB	each	790.13
1742	Sheet steel DP MCB enclosure	each	133.88
1743	Sheet steel TP MCB enclosure	each	152.25
1751	4 way (4+12), TPN, MCB DB, single door, horizontal type	each	908.25
1752	6 way (4+18), TPN, MCB DB, single door, horizontal type	each	1084.13
1753	8 way (4+24), TPN, MCB DB, single door, horizontal type	each	1210.13
1754	4 way (4+12), TPN, MCB DB, double door, horizontal type	each	1273.13
1755	6 way (4+18), TPN, MCB DB, double door, horizontal type	each	1611.75
1756	8 way (4+24), TPN, MCB DB, double door, horizontal type	each	2026.50
1757	4 way (4+12), TPN, vertical type, MCB DB, single door	each	2165.63
1758	8 way (4+24), TPN, vertical type, MCB DB, single door	each	3060.75
1759	12 way (4+36), TPN, vertical type, MCB DB, single door	each	3948.00
1760	4 way (4+12), TPN, vertical type, MCB DB, double door	each	3171.00
1761	8 way (4+24), TPN, vertical type, MCB DB, double door	each	4037.25
1762	12 way (4+36), TPN, vertical type, MCB DB, double door	each	5173.88
1763	4 way, TPN, vertical type, single door, MCB DB with 100 amps, 16 KA, MCCB	each	3955.88
1764	8 way, TPN, vertical type, single door, MCB DB with 100 amps, 16 KA, MCCB	each	5084.89

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
1765	12 way, TPN, vertical type, single door, MCB DB with 100 amps, 16 KA, MCCB	each	6664.35
1771	2 + 4 way, SPN, prewired MCB DB with extended loose wire box, single door	each	1323.00
1772	2 + 8 way, SPN, prewired MCB DB with extended loose wire box, single door	each	1606.50
1773	2 + 12 way, SPN, prewired MCB DB with extended loose wire box, single door	each	1905.75
1774	2 + 4 way, SPN, prewired MCB DB with extended loose wire box, double door	each	1697.06
1775	2 + 8 way, SPN, prewired MCB DB with extended loose wire box, double door	each	2059.31
1776	2 + 12 way, SPN, prewired MCB DB with extended loose wire box, double door	each	2520.00
1779	4 way, (4+12) TPN, prewired MCB DB with extended loose wire box, single door	each	4591.13
1780	6 way, (4+18) TPN, prewired MCB DB with extended loose wire box, single door	each	5977.13
1781	8 way, (4+24) TPN, prewired MCB DB with extended loose wire box, single door	each	6867.00
1782	12 way, (4+36) TPN, prewired MCB DB with extended loose wire box, single door	each	8477.44
1783	4 way, (4+12) TPN, prewired MCB DB with extended loose wire box, double door	each	5280.19
1784	6 way, (4+18) TPN, prewired MCB DB with extended loose wire box, double door	each	6874.88
1785	8 way, (4+24) TPN, prewired MCB DB with extended loose wire box, double door	each	7552.13
1786	12 way, (4+36) TPN, prewired MCB DB with extended loose wire box, double door	each	9324.00
1787	4 way (4+4), TPN, vertical type, prewired, MCB DB with extended loose wire box, single door	each	4945.50
1788	6 way (4+6), TPN, vertical type, prewired, MCB DB with extended loose wire box, single door	each	6441.75
1789	8 way (4+8), TPN, vertical type, prewired, MCB DB with extended loose wire box, single door	each	7347.38
1790	12 way (4+12), TPN, vertical type, prewired, MCB DB with extended loose wire box, single door	each	9820.13
1791	4 way (4+4), TPN, vertical type, prewired, MCB DB with extended loose wire box, double door	each	5685.75
1792	6 way (4+6), TPN, vertical type, prewired, MCB DB with extended loose wire box, double door	each	7402.50

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
1793	8 way (4+8), TPN, vertical type, prewired, MCB DB with extended loose wire box, double door	each	8087.63
1794	12 way (4+12), TPN, vertical type, prewired, MCB DB with extended loose wire box, double door	each	10804.50
BRASS COMPRESSION GLANDS			
2101	Brass compression gland (19 mm) for 2 X 6 sq. mm 1.1 KV grade cable	set	37.80
2102	Brass compression gland (19 mm) for 2 X 10 sq. mm 1.1 KV grade cable	set	37.80
2103	Brass compression gland for (22 mm) 2 X 16 sq. mm 1.1 KV grade cable	set	43.58
2104	Brass compression gland for (22 mm) 2 X 25 sq. mm 1.1 KV grade cable	set	43.58
2105	Brass compression gland for (25 mm) 2 X 35 sq. mm 1.1 KV grade cable	set	64.05
2106	Brass compression gland for (28 mm) 2 X 50 sq. mm 1.1 KV grade cable	set	99.23
2107	Brass compression gland for (22 mm) 3 X 10 sq. mm 1.1 KV grade cable	set	43.58
2108	Brass compression gland for (25 mm) 3 X 16 sq. mm 1.1 KV grade cable	set	64.05
2109	Brass compression gland for (25 mm) 3 X 25 sq. mm 1.1 KV grade cable	set	64.05
2110	Brass compression gland for (28 mm) 3 X 35 sq. mm 1.1 KV grade cable	set	99.23
2111	Brass compression gland for (32 mm) 3 X 50 sq. mm 1.1 KV grade cable	set	112.88
2112	Brass compression gland for (35 mm) 3 X 70 sq. mm 1.1 KV grade cable	set	140.18
2113	Brass compression gland for (38 mm) 3 X 95 sq. mm 1.1 KV grade cable	set	161.18
2114	Brass compression gland for (45 mm) 3 X 120 sq. mm 1.1 KV grade cable	set	194.25
2115	Brass compression gland for (50 mm) 3 X 150 sq. mm 1.1 KV grade cable	set	246.23
2116	Brass compression gland for (57 mm) 3 X 185 sq. mm 1.1 KV grade cable	set	347.03
2117	Brass compression gland for (62 mm) 3 X 225 sq. mm 1.1 KV grade cable	set	430.50
2118	Brass compression gland for (62 mm) 3 X 240 sq. mm 1.1 KV grade cable	set	430.50

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2119	Brass compression gland for (70 mm) 3 X 300 sq. mm 1.1 KV grade cable	set	463.58
2120	Brass compression gland for (28 mm) 3½ X 25 sq. mm 1.1 KV grade cable	set	99.23
2121	Brass compression gland for (32 mm) 3½ X 35 sq. mm 1.1 KV grade cable	set	112.88
2122	Brass compression gland for (35 mm) 3½ X 50 sq. mm 1.1 KV grade cable	set	140.18
2123	Brass compression gland for (38 mm) 3½ X 70 sq. mm 1.1 KV grade cable	set	161.18
2124	Brass compression gland for (45 mm) 3½ X 95 sq. mm 1.1 KV grade cable	set	194.25
2125	Brass compression gland for (45 mm) 3½ X 120 sq. mm 1.1 KV grade cable	set	194.25
2126	Brass compression gland for (50 mm) 3½ X 150 sq. mm 1.1 KV grade cable	set	246.23
2127	Brass compression gland for (57 mm) 3½ X 185 sq. mm 1.1 KV grade cable	set	347.03
2128	Brass compression gland for (62 mm) 3½ X 225 sq. mm 1.1 KV grade cable	set	430.50
2129	Brass compression gland for (62 mm) 3½ X 240 sq. mm 1.1 KV grade cable	set	430.50
2130	Brass compression gland for (70 mm) 3½ X 300 sq. mm 1.1 KV grade cable	set	463.58
2131	Brass compression gland for (82 mm) 3½ X 400 sq. mm 1.1 KV grade cable	set	590.63
2132	Brass compression gland for (25 mm) 4 X 10 sq. mm 1.1 KV grade cable	set	64.05
2133	Brass compression gland for (28 mm) 4 X 16 sq. mm 1.1 KV grade cable	set	99.23
2134	Brass compression gland for (28 mm) 4 X 25 sq. mm 1.1 KV grade cable	set	99.23
2135	Brass compression gland for (32 mm) 4 X 35 sq. mm 1.1 KV grade cable	set	112.88
2136	Brass compression gland for (35 mm) 4 X 50 sq. mm 1.1 KV grade cable	set	140.18
ALUMINIUM LUGS			
2201	Aluminium lugs for 6 sq. mm cable	each	1.43
2202	Aluminium lugs for 10 sq. mm cable	each	1.92
2203	Aluminium lugs for 16 sq. mm cable	each	2.17
2204	Aluminium lugs for 25 sq. mm cable	each	2.89

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2205	Aluminium lugs for 35 sq. mm cable	each	3.81
2206	Aluminium lugs for 50 sq. mm cable	each	5.78
2207	Aluminium lugs for 70 sq. mm cable	each	8.66
2208	Aluminium lugs for 95 sq. mm cable	each	9.56
2209	Aluminium lugs for 120 sq. mm cable	each	13.38
2210	Aluminium lugs for 150 sq. mm cable	each	17.32
2211	Aluminium lugs for 185 sq. mm cable	each	21.66
2212	Aluminium lugs for 225 sq. mm cable	each	30.29
2213	Aluminium lugs for 240 sq. mm cable	each	37.00
2214	Aluminium lugs for 300 sq. mm cable	each	52.23
2215	Aluminium lugs for 400 sq. mm cable	each	75.09
MV CABLE JOINTING KITS			
2300	Outdoor cable jointing kit with cast resin compound with lugs for 2 X 16 sq. mm 1.1 KV grade cable	set	310.17
2301	Outdoor cable jointing kit with cast resin compound with lugs for 2 X 25 sq. mm 1.1 KV grade cable	set	346.92
2302	Outdoor cable jointing kit with cast resin compound with lugs for 2 X 35 sq. mm 1.1 KV grade cable	set	346.92
2303	Outdoor cable jointing kit with cast resin compound with lugs for 2 X 50 sq. mm 1.1 KV grade cable	set	346.92
2304	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 16 sq. mm 1.1 KV grade cable	set	346.92
2305	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 25 sq. mm 1.1 KV grade cable	set	346.92
2306	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 35 sq. mm 1.1 KV grade cable	set	346.92
2307	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 50 sq. mm 1.1 KV grade cable	set	382.20
2308	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 70 sq. mm 1.1 KV grade cable	set	382.20
2309	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 95 sq. mm 1.1 KV grade cable	set	428.51
2310	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 120 sq. mm 1.1 KV grade cable	set	428.51
2311	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 150 sq. mm 1.1 KV grade cable	set	428.51
2312	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 185 sq. mm 1.1 KV grade cable	set	655.62
2313	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 225 sq. mm 1.1 KV grade cable	set	655.62

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2314	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 240 sq. mm 1.1 KV grade cable	set	799.68
2315	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 300 sq. mm 1.1 KV grade cable	set	799.68
2316	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 25 sq. mm 1.1 KV grade cable	set	346.92
2317	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 35 sq. mm 1.1 KV grade cable	set	382.20
2318	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 50 sq. mm 1.1 KV grade cable	set	382.20
2319	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 70 sq. mm 1.1 KV grade cable	set	435.86
2320	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 95 sq. mm 1.1 KV grade cable	set	435.86
2321	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 120 sq. mm 1.1 KV grade cable	set	435.86
2322	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 150 sq. mm 1.1 KV grade cable	set	655.62
2323	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 185 sq. mm 1.1 KV grade cable	set	655.62
2324	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 225 sq. mm 1.1 KV grade cable	set	799.68
2325	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 240 sq. mm 1.1 KV grade cable	set	799.68
2326	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 300 sq. mm 1.1 KV grade cable	set	799.68
2327	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 400 sq. mm 1.1 KV grade cable	set	965.06
2328	Outdoor cable jointing kit with cast resin compound with lugs for 4 X 16 sq. mm 1.1 KV grade cable	set	346.92
2329	Outdoor cable jointing kit with cast resin compound with lugs for 4 X 25 sq. mm 1.1 KV grade cable	set	346.92
2330	Outdoor cable jointing kit with cast resin compound with lugs for 4 X 35 sq. mm 1.1 KV grade cable	set	382.20
2331	Outdoor cable jointing kit with cast resin compound with lugs for 4 X 50 sq. mm 1.1 KV grade cable	set	382.20
2332	Straight through cable jointing kit with cast resin compound with ferrules for 2 X 16 sq. mm 1.1 KV grade cable	set	821.73
2333	Straight through cable jointing kit with cast resin compound with ferrules for 2 X 25 sq. mm 1.1 KV grade cable	set	821.73
2334	Straight through cable jointing kit with cast resin compound with ferrules for 2 X 35 sq. mm 1.1 KV grade cable	set	821.73

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2335	Straight through cable jointing kit with cast resin compound with ferrules for 2 X 50 sq. mm 1.1 KV grade cable	set	962.85
2336	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 16 sq. mm 1.1 KV grade cable	set	821.73
2337	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 25 sq. mm 1.1 KV grade cable	set	821.73
2338	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 35 sq. mm 1.1 KV grade cable	set	962.85
2339	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 50 sq. mm 1.1 KV grade cable	set	962.85
2340	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 70 sq. mm 1.1 KV grade cable	set	1148.07
2341	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 95 sq. mm 1.1 KV grade cable	set	1184.82
2342	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 120 sq. mm 1.1 KV grade cable	set	1347.26
2343	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 150 sq. mm 1.1 KV grade cable	set	1347.26
2344	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 185 sq. mm 1.1 KV grade cable	set	1649.34
2345	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 225 sq. mm 1.1 KV grade cable	set	1895.57
2346	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 240 sq. mm 1.1 KV grade cable	set	1929.38
2347	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 300 sq. mm 1.1 KV grade cable	set	2383.61
2348	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 25 sq. mm 1.1 KV grade cable	set	962.85
2349	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 35 sq. mm 1.1 KV grade cable	set	962.85
2350	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 50 sq. mm 1.1 KV grade cable	set	1148.07
2351	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 70 sq. mm 1.1 KV grade cable	set	1184.82
2352	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 95 sq. mm 1.1 KV grade cable	set	1347.26
2353	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 120 sq. mm 1.1 KV grade cable	set	1649.34
2354	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 150 sq. mm 1.1 KV grade cable	set	1649.34
2355	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 185 sq. mm 1.1 KV grade cable	set	1895.57

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2356	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 225 sq. mm 1.1 KV grade cable	set	1929.38
2357	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 240 sq. mm 1.1 KV grade cable	set	2383.61
2358	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 300 sq. mm 1.1 KV grade cable	set	2856.95
2359	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 400 sq. mm 1.1 KV grade cable	set	3529.47
2360	Straight through cable jointing kit with cast resin compound with ferrules for 4 X 16 sq. mm 1.1 KV grade cable	set	821.73
2361	Straight through cable jointing kit with cast resin compound with ferrules for 4 X 25 sq. mm 1.1 KV grade cable	set	962.85
2362	Straight through cable jointing kit with cast resin compound with ferrules for 4 X 35 sq. mm 1.1 KV grade cable	set	962.85
2363	Straight through cable jointing kit with cast resin compound with ferrules for 4 X 50 sq. mm 1.1 KV grade cable	set	1148.07
2364	Straight through cable jointing kit with heat shrinkable kit with ferrules for 2 X 16 sq. mm 1.1 KV grade cable	set	323.40
2365	Straight through cable jointing kit with heat shrinkable kit with ferrules for 2 X 25 sq. mm 1.1 KV grade cable	set	385.88
2366	Straight through cable jointing kit with heat shrinkable kit with ferrules for 2 X 35 sq. mm 1.1 KV grade cable	set	385.88
2367	Straight through cable jointing kit with heat shrinkable kit with ferrules for 2 X 50 sq. mm 1.1 KV grade cable	set	385.88
2368	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 16 sq. mm 1.1 KV grade cable	set	529.20
2369	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 25 sq. mm 1.1 KV grade cable	set	668.85
2370	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 35 sq. mm 1.1 KV grade cable	set	668.85
2371	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 50 sq. mm 1.1 KV grade cable	set	668.85
2372	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 70 sq. mm 1.1 KV grade cable	set	712.95
2373	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 95 sq. mm 1.1 KV grade cable	set	712.95
2374	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 120 sq. mm 1.1 KV grade cable	set	712.95
2375	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 150 sq. mm 1.1 KV grade cable	set	712.95
2376	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 185 sq. mm 1.1 KV grade cable	set	882.00

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2377	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 225 sq. mm 1.1 KV grade cable	set	882.00
2378	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 240 sq. mm 1.1 KV grade cable	set	882.00
2379	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 300 sq. mm 1.1 KV grade cable	set	882.00
2380	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 25 sq. mm 1.1 KV grade cable	set	823.20
2381	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 35 sq. mm 1.1 KV grade cable	set	823.20
2382	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 50 sq. mm 1.1 KV grade cable	set	1212.75
2383	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 70 sq. mm 1.1 KV grade cable	set	1212.75
2384	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 95 sq. mm 1.1 KV grade cable	set	1212.75
2385	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 120 sq. mm 1.1 KV grade cable	set	1617.00
2386	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 150 sq. mm 1.1 KV grade cable	set	1617.00
2387	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 185 sq. mm 1.1 KV grade cable	set	1617.00
2388	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 225 sq. mm 1.1 KV grade cable	set	2131.50
2389	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 240 sq. mm 1.1 KV grade cable	set	2131.50
2390	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 300 sq. mm 1.1 KV grade cable	set	2131.50
2391	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 400 sq. mm 1.1 KV grade cable	set	2873.85
2392	Straight through cable jointing kit with heat shrinkable kit with ferrules for 4 X 16 sq. mm 1.1 KV grade cable	set	676.20
2393	Straight through cable jointing kit with heat shrinkable kit with ferrules for 4 X 25 sq. mm 1.1 KV grade cable	set	823.20
2394	Straight through cable jointing kit with heat shrinkable kit with ferrules for 4 X 35 sq. mm 1.1 KV grade cable	set	823.20
2395	Straight through cable jointing kit with heat shrinkable kit with ferrules for 4 X 50 sq. mm 1.1 KV grade cable	set	1212.75
11 KV & 33 KV CABLE JOINTING KITS			
2413	Indoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	1688.40

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2414	Indoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	1955.10
2415	Indoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	2299.50
2416	Indoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	2299.50
2417	Outdoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	4270.35
2418	Outdoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	5215.35
2419	Outdoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	6370.35
2420	Outdoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	6370.35
2421	Straight through cable jointing kit with cast resin compound with ferrules for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	2537.85
2422	Straight through cable jointing kit with cast resin compound with ferrules for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	2537.85
2423	Straight through cable jointing kit with cast resin compound with ferrules for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	3806.25
2424	Straight through cable jointing kit with cast resin compound with ferrules for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	4791.15
2437	Indoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	4370.63
2438	Indoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	5118.75
2439	Indoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	5381.25
2440	Indoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	5381.25
2441	Outdoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	6174.00
2442	Outdoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	6615.00
2443	Outdoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	7441.88
2444	Outdoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	7441.88
2445	Straight through heat shrinkable cable jointing kit with ferrules for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	10253.25
2446	Straight through heat shrinkable cable jointing kit with ferrules for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	13062.00

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2447	Straight through heat shrinkable cable jointing kit with ferrules for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	14269.50
2448	Straight through heat shrinkable cable jointing kit with ferrules for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	14269.50
2528	Indoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 70 sq. mm.	set	7376.25
2529	Indoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 120 sq. mm.	set	7762.13
2530	Indoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 240 sq. mm.	set	11704.88
2531	Outdoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 70 sq. mm.	set	9961.88
2532	Outdoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 120 sq. mm.	set	12311.25
2533	Outdoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 240 sq. mm.	set	15925.88
2534	Straight through heat shrinkable cable jointing kit with ferrules for 33 KV grade XLPE cable for 3 core 70 sq. mm.	set	25659.38
2535	Straight through heat shrinkable cable jointing kit with ferrules for 33 KV grade XLPE cable for 3 core 120 sq. mm.	set	32426.63
2536	Straight through heat shrinkable cable jointing kit with ferrules for 33 KV grade XLPE cable for 3 core 240 sq. mm.	set	45052.88
OVER HEAD LINE ACCESSORIES			
2601	Stay rod (1.8 M long, 19/20 mm dia.) with anchor plate 45 cm X 45 cm X 7.5 mm complete with thimble etc.	set	550.00
2602	Stay wire (7/4.00 mm dia.)	kg	48.00
2603	Stay wire (7/3.15 mm dia.)	kg	48.00
2604	Turn buckle (20 mm X 60 cm)	each	200.00
2605	Strain insulator	each	25.00
2606	Bow tightner	each	200.00
2607	Shackle insulator (75 mm X 90 mm) with G.I. bolts and nuts	each	38.00
2608	Shackle insulator (100 mm X 110 mm) with G.I. bolts and nuts	each	60.00
2609	Pin insulator (100 mm X 65 mm) with G.I. spindle and nuts	each	33.00
2610	Pin insulator (100 mm X 80 mm) with G.I. spindle and nuts	each	35.00
2611	MV horn gap lightning arrestor with pin insulator (100 mm X 65 mm), spindle and brass metal parts etc.	set	90.00
2615	15 amps aerial fuse complete with porcelain tube as required	each	15.00
2616	30 amps aerial fuse complete with porcelain tube as required	each	25.00
2618	Stay clamp	set	60.00

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2619	Brace (50 mm X 50 mm X 6 mm angle iron)	metre	221.73
2620	Angle iron bracket (50 mm X 50 mm X 6 mm) 65 cm long	each	144.00
2623	Eye hook	each	16.00
2624	Guy clamp	each	60.00
2635	D' iron clamp (with coach screws)	each	75.00
2643	Strain insulator 11 KV	each	40.00
2644	Strain insulator 33 KV	each	65.00
2645	11 KV pin insulator with pin washers and nuts	set	266.00
2646	11 KV disc insulator	set	776.00
2647	Galvanised insulator hardware fitting ball and socket type with strain clamps, bolts, nuts and washers	set	155.00
2648	33 KV pin insulator with pin washers and nuts	set	855.00
2649	Galvanised insulator hardware fitting ball and socket type with strain clamps, bolts, nuts and washers for 3 Nos 11 KV disk insulator	set	425.00
2650	3 piece lightning arrester set for 11 KV O.H. lines complete with G.I. clamps bolts and nuts with washers	Set	5062.50
2651	Single piece lightning arrester set for 33 KV O.H. lines complete with G.I. clamps bolts and nuts with washers	Set	37500.00
2665	G.I. strap for shackle insulator	each	50.00
CABLE TRAYS			
2701	MS perforated cable tray painted with powder coating 100 X 50 X 1.6 mm	metre	220.50
2702	MS perforated cable tray painted with powder coating 150 X 50 X 1.6 mm	metre	273.26
2703	MS perforated cable tray painted with powder coating 225 X 50 X 1.6 mm	metre	358.31
2704	MS perforated cable tray painted with powder coating 300 X 50 X 1.6 mm	metre	442.58
2705	MS perforated cable tray painted with powder coating 375 X 50 X 2 mm	metre	566.21
2706	MS perforated cable tray painted with powder coating 450 X 50 X 2 mm	metre	659.14
2707	MS perforated cable tray painted with powder coating 600 X 50 X 2 mm	metre	838.69
2708	MS perforated cable tray painted with powder coating 300 X 62.5 X 2 mm	metre	503.21
2709	MS perforated cable tray painted with powder coating 375 X 62.5 X 2 mm	metre	595.35

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2710	MS perforated cable tray painted with powder coating 450 X 62.5 X 2mm	metre	688.28
2711	MS perforated cable tray painted with powder coating 600 X 62.5 X 2mm	metre	865.46
2712	MS perforated cable tray painted with powder coating 750 X 62.5 X 2mm	metre	1028.48
2713	MS perforated cable tray painted with powder coating 900 X 62.5 X 2mm	metre	1227.71
2714	MS perforated cable tray painted with powder coating 600 X 75 X 2 mm	metre	896.18
2715	MS perforated cable tray painted with powder coating 750 X 75 X 2 mm	metre	1054.46
2716	MS perforated cable tray painted with powder coating 900 X 75 X 2 mm	metre	1258.43
2717	MS perforated cable tray Connector 100 X 50 X 1.6 mm	each	22.84
2718	MS perforated cable tray Connector 150 X 50 X 1.6 mm	each	29.14
2719	MS perforated cable tray Connector 225 X 50 X 1.6 mm	each	29.14
2720	MS perforated cable tray Connector 300 X 50 X 1.6 mm	each	29.14
2721	MS perforated cable tray Connector 375 X 50 X 2 mm	each	32.29
2722	MS perforated cable tray Connector 450 X 50 X 2 mm	each	37.80
2723	MS perforated cable tray Connector 600 X 50 X 2 mm	each	41.74
2724	MS perforated cable tray Connector 300 X 62.5 X 2 mm	each	32.29
2725	MS perforated cable tray Connector 375 X 62.5 X 2 mm	each	37.80
2726	MS perforated cable tray Connector 450 X 62.5 X 2 mm	each	40.95
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	44.89
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	49.61
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	52.76
2733	MS perforated cable tray Bend 100 X 50 X 1.6 mm	each	444.15
2734	MS perforated cable tray Bend 150 X 50 X 1.6 mm	each	546.53
2735	MS perforated cable tray Bend 225 X 50 X 1.6 mm	each	715.05
2736	MS perforated cable tray Bend 300 X 50 X 1.6 mm	each	889.09
2737	MS perforated cable tray Bend 375 X 50 X 2 mm	each	1130.06
2738	MS perforated cable tray Bend 450 X 50 X 2 mm	each	1318.28
2739	MS perforated cable tray Bend 600 X 50 X 2 mm	each	1677.38
2740	MS perforated cable tray Bend 300 X 62.5 X 2 mm	each	1010.36
2741	MS perforated cable tray Bend 375 X 62.5 X 2 mm	each	1191.49
2742	MS perforated cable tray Bend 450 X 62.5 X 2 mm	each	1374.19
2743	MS perforated cable tray Bend 600 X 62.5 X 2 mm	each	1733.29

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2744	MS perforated cable tray Bend 750 X 62.5 X 2 mm	each	2058.53
2745	MS perforated cable tray Bend 900 X 62.5 X 2 mm	each	2457.79
2746	MS perforated cable tray Bend 600 X 75 X 2 mm	each	1794.71
2747	MS perforated cable tray Bend 750 X 75 X 2 mm	each	2112.08
2748	MS perforated cable tray Bend 900 X 75 X 2 mm	each	2517.64
2749	MS perforated cable tray Reducer 100 X 50 X 1.6 mm	each	333.11
2750	MS perforated cable tray Reducer 150 X 50 X 1.6 mm	each	405.56
2751	MS perforated cable tray Reducer 225 X 50 X 1.6 mm	each	536.29
2752	MS perforated cable tray Reducer 300 X 50 X 1.6 mm	each	666.23
2753	MS perforated cable tray Reducer 375 X 50 X 2 mm	each	847.35
2754	MS perforated cable tray Reducer 450 X 50 X 2 mm	each	990.68
2755	MS perforated cable tray Reducer 600 X 50 X 2 mm	each	1233.23
2756	MS perforated cable tray Reducer 300 X 62.5 X 2 mm	each	759.15
2757	MS perforated cable tray Reducer 375 X 62.5 X 2 mm	each	893.03
2758	MS perforated cable tray Reducer 450 X 62.5 X 2 mm	each	1028.48
2759	MS perforated cable tray Reducer 600 X 62.5 X 2 mm	each	1300.16
2760	MS perforated cable tray Reducer 750 X 62.5 X 2 mm	each	1544.29
2761	MS perforated cable tray Reducer 900 X 62.5 X 2 mm	each	1843.54
2762	MS perforated cable tray Reducer 600 X 75 X 2 mm	each	1345.05
2763	MS perforated cable tray Reducer 750 X 75 X 2 mm	each	1582.88
2764	MS perforated cable tray Reducer 900 X 75 X 2 mm	each	1888.43
2765	MS perforated cable tray Tee 100 X 50 X 1.6 mm	each	666.23
2766	MS perforated cable tray Tee 150 X 50 X 1.6 mm	each	819.79
2767	MS perforated cable tray Tee 225 X 50 X 1.6 mm	each	1074.15
2768	MS perforated cable tray Tee 300 X 50 X 1.6 mm	each	1333.24
2769	MS perforated cable tray Tee 375 X 50 X 2 mm	each	1695.49
2770	MS perforated cable tray Tee 450 X 50 X 2 mm	each	1977.41
2771	MS perforated cable tray Tee 600 X 50 X 2 mm	each	2513.70
2772	MS perforated cable tray Tee 300 X 62.5 X 2 mm	each	1514.36
2773	MS perforated cable tray Tee 375 X 62.5 X 2 mm	each	1786.05
2774	MS perforated cable tray Tee 450 X 62.5 X 2 mm	each	2062.46
2775	MS perforated cable tray Tee 600 X 62.5 X 2 mm	each	2598.75
2776	MS perforated cable tray Tee 750 X 62.5 X 2 mm	each	3083.85
2777	MS perforated cable tray Tee 900 X 62.5 X 2 mm	each	3685.50
2778	MS perforated cable tray Tee 600 X 75 X 2 mm	each	2689.31
2779	MS perforated cable tray Tee 750 X 75 X 2 mm	each	3165.75

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2780	MS perforated cable tray Tee 900 X 75 X 2 mm	each	3774.49
2781	MS perforated cable tray Cross member 100 X 50 X 1.6 mm	each	889.09
2782	MS perforated cable tray Cross member 150 X 50 X 1.6 mm	each	1078.88
2783	MS perforated cable tray Cross member 225 X 50 X 1.6 mm	each	1432.46
2784	MS perforated cable tray Cross member 300 X 50 X 1.6 mm	each	1776.60
2785	MS perforated cable tray Cross member 375 X 50 X 2 mm	each	2260.13
2786	MS perforated cable tray Cross member 450 X 50 X 2 mm	each	2636.55
2787	MS perforated cable tray Cross member 600 X 50 X 2 mm	each	3353.96
2788	MS perforated cable tray Cross member 300 X 62.5 X 2 mm	each	2020.73
2789	MS perforated cable tray Cross member 375 X 62.5 X 2 mm	each	2381.40
2790	MS perforated cable tray Cross member 450 X 62.5 X 2 mm	each	2749.16
2791	MS perforated cable tray Cross member 600 X 62.5 X 2 mm	each	3466.58
2792	MS perforated cable tray Cross member 750 X 62.5 X 2 mm	each	4114.69
2793	MS perforated cable tray Cross member 900 X 62.5 X 2 mm	each	4911.64
2794	MS perforated cable tray Cross member 600 X 75 X 2 mm	each	3586.28
2795	MS perforated cable tray Cross member 750 X 75 X 2 mm	each	4220.21
2796	MS perforated cable tray Cross member 900 X 75 X 2 mm	each	5032.91
ANGLE/ FLAT IRON AND STEEL SHEET			
2801	MS Suspender 6 mm dia 0.75m long	each	15.00
2802	MS Suspender 8 mm dia 0.75m long	each	20.00
2803	MS Suspender 10 mm dia 0.75m long	each	30.00
2804	25 mm X 25 mm X 3 mm angle iron	Kg	46.00
2805	35 mm X 35 mm X 4 mm angle iron	Kg	45.00
2806	35 mm X 35 mm X 5 mm angle iron	Kg	45.00
2807	50 mm X 50 mm X 6 mm angle iron	Kg	45.00
2808	65 mm X 65 mm X 6 mm angle iron	Kg	45.00
2809	20/25 mm X 3 mm flat iron	Kg	46.00
2810	25 mm X 4 mm flat iron	Kg	46.00
2811	25 mm X 6 mm flat iron	Kg	46.00
2812	40 mm X 3 mm flat iron	Kg	45.00
2813	50 mm X 6 mm flat iron	Kg	46.00
2814	50 mm X 8 mm flat iron	Kg	45.00
2815	100 mm X 50 mm X 6 mm channel iron (9.56 kg/ mtr)	Kg	45.00
2816	75 mm X 40 mm X 6 mm channel iron (7.14 kg/ mtr)	Kg	45.00
2817	1.6 mm thick M.S. sheet	Kg	50.00
2818	3 mm thick M.S. sheet	Kg	50.00

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
GI AND RCC PIPE			
2819	20 mm dia G.I. Pipe (light class)	metre	96.30
2820	32 mm dia G.I. Pipe (light class)	metre	167.70
2821	50 mm dia G.I. Pipe (light class)	metre	259.76
2822	80 mm dia G.I. Pipe (light class)	metre	415.99
2823	100 mm dia G.I. Pipe (light class)	metre	589.32
2824	15 mm dia. G.I. pipe (medium class)	metre	81.53
2825	20 mm dia. G.I. pipe (medium class)	metre	104.82
2826	40 mm dia. G.I. pipe (medium class)	metre	213.11
2827	15 mm dia. G.I. pipe (heavy class)	metre	93.18
2828	20 mm dia. G.I. pipe (heavy class)	metre	120.53
2831	32 mm dia. G.I. pipe (medium class)	metre	179.68
2832	50 mm dia. G.I. pipe (medium class)	metre	261.33
2833	80 mm dia. G.I. pipe (medium class)	metre	439.54
2834	100 mm dia. G.I. pipe (medium class)	metre	619.88
2835	150 mm dia. G.I. pipe (medium class)	metre	988.35
2836	40 mm to 20 mm reducer	each	29.40
2837	Nipple 50 mm dia	each	29.40
2838	40 mm dia. G.I. bend (medium class)	each	96.80
2839	50 mm dia. G.I. bend (medium class)	each	96.80
2841	100 mm dia RCC pipe NP2 class	metre	135.00
2842	150 mm dia RCC pipe NP2 class	metre	154.00
2843	250 mm dia RCC pipe NP2 class	metre	188.00
2844	300 mm dia RCC pipe NP2 class	metre	261.00
2845	100 mm dia RCC collar NP2 class	each	20.00
2846	150 mm dia RCC collar NP2 class	each	25.00
2847	250 mm dia RCC collar NP2 class	each	40.00
2848	300 mm dia RCC collar NP2 class	each	49.00
SCREWS, NUT BOLTS AND OTHER ACCESSORIES			
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	0.35
2852	Iron screws, 35 mm X 6 mm	each	0.85
2853	Iron screws, 40 mm X 6 mm	each	0.90
2854	Iron screws, 45 mm X 6 mm	each	1.00
2855	Steel fastner 6 mm X 75 mm	each	5.00
2856	Steel fastner 8 mm X 75 mm	each	8.00
2857	PVC fastener 40mm long	each	0.25

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2858	PVC clip for fixing cable	each	0.10
2859	Rubber/ PVC bushes	each	0.50
2860	6 mm dia rivet/ stud/ bolts and nuts	each	3.15
2861	25mm X 3mm bolts & nuts	each	2.63
2862	32mm X 8mm bolts & nuts	each	3.41
2863	38mm X 10mm bolts & nuts	each	5.67
2864	38 mm X 7 mm, bolts and nuts	each	4.50
2865	15 mm long X 6 mm dia G.I. bolts and nuts	each	3.95
2866	10 mm X 25 mm long G.I. bolt with nut etc	each	8.40
2867	16 mm X 50 mm bolts and nuts with washers	Set	5.78
2868	16 mm X 40 mm bolts and nuts with washers	Set	5.78
2869	16 mm X 125 mm bolts and nuts with washers	Set	19.43
2870	16 mm X 150 mm bolts and nuts with washers	Set	21.63
2871	10 mm X 25 mm long tinned brass bolt with nut etc.	each	26.25
2881	GI saddles 19mm x 0.55mm for conduit upto 25mm	each	0.75
2882	GI saddles 25mm x 0.90mm for conduit above 25mm	each	1.00
2901	20 mm X 3 mm copper tape (0.533 kg/mtr)	Kg	498.75
2902	25 mm X 5 mm copper tape (1.15 kg/mtr)	Kg	498.75
2903	32 mm X 6 mm copper tape (1.705 kg/mtr)	Kg	498.75
2904	8 SWG copper wire (4.0 mm dia)	Kg	493.50
2905	600 mm X 600 mm X 3 mm thick copper plate (10.5 kg)	each	5105.10
2906	Copper saddle	each	26.25
2907	50 mm X 5mm copper strip (2.30 kg/mtr)	Kg	498.75
2908	Brass nipple	each	5.75
2909	Lightning finial, 25 mm dia X 300 mm long, copper	each	498.75
2910	Lightning finial, 25 mm dia X 300 mm long, G.I.	each	176.40
2911	20 mm X 3 mm G.I. Tape (0.461 kg/mtr)	Kg	55.65
2912	25 mm X 5 mm G.I. strip (1.0 kg/mtr)	Kg	55.65
2913	25 mm X 6 mm G.I. strip (1.2 kg/mtr)	Kg	55.65
2914	32 mm X 6 mm G.I. Tape (1.475 kg/mtr)	Kg	55.65
2915	600 mm X 600 mm X 6 mm thick G.I. plate	each	1176.00
2916	6 SWG G.I. wire	Kg	55.65
2917	GI saddle 20mm x 3mm	each	2.00
2918	Funnel	each	15.00
2919	G.I. nuts and through bolts with washer	each	20.00
2920	Washers	each	0.15

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
2921	G.I. Hooks made of 8 SWG GI wire/ GI clip	each	2.10
2922	CI/MS cover plate hinged to frame with Locking arrangement	each	236.25
2923	Pulley of 50 mm dia	each	65.10
2924	Clamps, bolts, nuts etc.	Set	89.25
2925	Flat iron clamps (50 mm X 6 mm) for G.I. pipe	each	26.25
2926	G.I. plate (10 cm X 10 cm X 5 mm)	Kg	63.00
2927	Ball and socket	each	13.00
2928	Back plate	each	5.00
2929	Check nut 20mm	each	2.65
2931	PVC sleeve	metre	3.75
2932	250 mm X 200 mm H.T. danger notice plate	each	47.25
2933	200 mm X 150 mm M.V. danger notice plate	each	36.75
2934	Earthing thimbles and solder	L.S.	10.50
2935	Cement, paint, sand etc.	L.S.	4.00
2936	Painting with primer and finish paint	L.S.	3.00
2937	Diesel	Letre	41.29
2938	Cotton waste, cleaning cloth etc.	Kg	35.00
2939	Cleaning materials like soap/ detergent	Kg	40.00
2940	Tin solder etc.	L.S.	20.00
2941	Charcoal	Kg	8.00
2942	Coke	Kg	7.00
2943	Salt	Kg	7.00
2944	Paint	Letre	135.00
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	each	2.90
2946	Fine sand	Cum	640.00
2947	Bricks ballast	Cum	500.00
2948	Cement	tonne	5000.00
2949	Stone aggregate (single size) 40mm nominal size	Cum	950.00
2950	Stone aggregate (single size) 20mm nominal size	Cum	1050.00
2951	Stone aggregate (single size) 10mm nominal size	Cum	1050.00
2952	Coarse sand (Zone III)	Cum	1120.00