



सत्यमेव जयते

GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

**DELHI ANALYSIS OF RATES
(ELECTRICAL)**

2012



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FOREWORD

The Delhi Analysis of Rates (Electrical) 2012 is a comprehensive and useful document. The input of materials, labour and machinery is based on realistic assessments. DAR (Electrical) 2012 contains most of the items of Analysis of Rates (Electrical) 2007. The analysis of many items have been modified and prepared based on rates of labour and material collected during November 2012 in Delhi.

In order to arrive rates of work for a specific location and at a particular time, it is desirable to analyse the rates based on prevailing rates of material and labour. The Delhi Analysis of Rates (Electrical) 2012 will help all Engineers of CPWD, other Govt. Departments, Public Undertakings and consultants who follow CPWD Schedule of Rates in their works in analysing rates of works at different locations.

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 it would not have been possible to prepare Analysis of Rates (Electrical) - 2012. I also acknowledge the valuable suggestions of other members of specification committee involved in the process of preparation of Analysis of Rates (Electrical) 2012.

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


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

Place : New Delhi


Dated : 28.02.2012

PREFACE

The Delhi Schedule of Rates (Electrical)-2012 which is the revised edition of combined Schedule of Rates for Electrical Works (Part-I) and Schedule of Rates for Electrical Works (Part-II) has already been approved and made effective from January 02, 2012. The Schedule of Rates (Electrical) 2012 has also been uploaded on CPWD official website. Accordingly Delhi Analysis of Rates (Electrical) 2012 is being published.

The Delhi Analysis of Rates (Electrical) 2012 is a detailed document based on which Delhi Schedule of Rates (Electrical) 2012 is prepared. The rates of all items have been analysed based on rates of labour and materials collected from the market in Delhi during November 2011. Coefficient of labour and materials have been adopted based on previous Analysis of Rates (Electrical) 2007. However, a few changes have been made considering technological development, use of latest tools & plants and availability of skilled labour.

All efforts have been made to ensure the correctness of the Delhi Analysis of Rate (Electrical) 2012. 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). E mail: delceedr.cpwd@nic.in


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

Place New Delhi
Dated 06-01-2012

CONTENTS

S. No	NAME OF CHAPTER/ SUBHEAD	PAGE NO.
0	GENERAL NOTE	viii
1	W I R I N G	1
2	MCCB, MCB & DB'S	123
3	RISING MAINS & BUS TRUNKING	187
4	CABLE TRAYS	246
5	E A R T H I N G	326
6	LIGHTNING CONDUCTOR	339
7	MV CABLE LAYING	347
8	H T CABLE LAYING	367
9	MV CABLE END TERMINATION & JOINTING	374
10	HV CABLE JOINTING & END TERMINATION	440
11	POLE ERECTION	457
12	MV OVER HEAD LINE WORK	468
13	HV OVER HEAD LINE WORK	492
14	CIVIL ITEMS	511
Appendix-I	LABOUR RATE	525
Appendix-II	MATERIAL RATE	526

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

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 3 = 9 + 0.45$ (wastage @ 5%) = 9.45m	metre	9.45	10.95	103.48
1201	20 mm dia. ISI marked, steel conduit = $2.5 + 0.13$ (wastage @ 5%) = 2.27m	metre	2.27	60.38	137.06
1206	20 mm inspection/ solid bends	each	1.00	14.28	14.28
1211	20 mm sockets	each	0.00	2.60	0.00
1218	20 mm iron staples/ saddles/ screws	each	4.00	1.68	6.72
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	8.00	0.35	2.80
2920	Washers	each	4.00	0.15	0.60
1306	75 mm X 75 mm X 60 mm deep metal box	each	1.00	18.11	18.11
1322	3 mm thick phenolic laminated sheet	sqcm	72.00	0.09	6.48
1216	20 mm junction box, one way	each	1.00	12.60	12.60
1431	S.P. 5/6 amps, one way switch, piano type ISI marked	each	1.00	9.00	9.00
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				316.13
	Cartage @ 1% of cost of materials				3.16
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1010	Mason, Grade 2	day	0.10	273.00	27.30
1006	Painter	day	0.02	273.00	5.46
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				486.35
	Add 15% for Overheads & Profit				72.95
	TOTAL				559.30
	Rate per Point				559.30
	Say				559.00

CHAPTER 1 – WIRING

- 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.

1.1.2 Group B

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 4 = 12 + 0.60$ (wastage @ 5%) = 12.60m	metre	12.60	10.95	137.97
1201	20 mm dia. ISI marked, steel conduit = $3.5 + 0.18$ (wastage @ 5%) = 3.68m	metre	3.68	60.38	222.20
1206	20 mm inspection/ solid bends	each	1.00	14.28	14.28
1211	20 mm sockets	each	2.00	2.60	5.20
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	8.00	0.35	2.80
2920	Washers	each	4.00	0.15	0.60
1306	75 mm X 75 mm X 60 mm deep metal box	each	1.00	18.11	18.11
1322	3 mm thick phenolic laminated sheet	sqcm	72.00	0.09	6.48
1216	20 mm junction box, one way	each	1.00	12.60	12.60
1431	S.P. 5/6 amps, one way switch, piano type ISI marked	each	1.00	9.00	9.00
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				450.61
	Cartage @ 1% of cost of materials				4.51
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1010	Mason, Grade 2	day	0.10	273.00	27.30
1006	Painter	day	0.02	273.00	5.46
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				622.18
	Add 15% for Overheads & Profit				93.33
	TOTAL				715.51
	Rate per Point				715.51
	Say				716.00

CHAPTER 1 – WIRING

- 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.

1.1.3 Group C

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 5 = 15 + 0.75$ (wastage @ 5%) = 15.75m	metre	15.75	10.95	172.46
1201	20 mm dia. ISI marked, steel conduit = $4.5 + 0.23$ (wastage @ 5%) = 4.73m	metre	4.73	60.38	285.60
1206	20 mm inspection/ solid bends	each	1.00	14.28	14.28
1211	20 mm sockets	each	2.00	2.60	5.20
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	8.00	0.35	2.80
2920	Washers	each	4.00	0.15	0.60
1306	75 mm X 75 mm X 60 mm deep metal box	each	1.00	18.11	18.11
1322	3 mm thick phenolic laminated sheet	sqcm	72.00	0.09	6.48
1216	20 mm junction box, one way	each	1.00	12.60	12.60
1431	S.P. 5/6 amps, one way switch, piano type ISI marked	each	1.00	9.00	9.00
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				548.50
	Cartage @ 1% of cost of materials				5.49
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1010	Mason, Grade 2	day	0.10	273.00	27.30
1006	Painter	day	0.02	273.00	5.46
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				775.85
	Add 15% for Overheads & Profit				116.38
	TOTAL				892.23
	Rate per Point				892.23
	Say				892.00

CHAPTER 1 – WIRING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 5 = 15 + 0.75$ (wastage @ 5%) = 15.75m	metre	15.75	10.95	172.46
1201	20 mm dia. ISI marked, steel conduit = $4.5 + 0.23$ (wastage @ 5%) = 4.73m	metre	4.73	60.38	285.60
1206	20 mm inspection/ solid bends	each	1.00	14.28	14.28
1211	20 mm sockets	each	2.00	2.60	5.20
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	8.00	0.35	2.80
2920	Washers	each	4.00	0.15	0.60
1306	75 mm X 75 mm X 60 mm deep metal box	each	1.00	18.11	18.11
1322	3 mm thick phenolic laminated sheet	sqcm	72.00	0.09	6.48
1216	20 mm junction box, one way	each	1.00	12.60	12.60
1432	S.P. 5/6 amps, two way switch, piano type ISI marked	each	1.00	14.40	14.40
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				553.90
	Cartage @ 1% of cost of materials				5.54
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1010	Mason, Grade 2	day	0.10	273.00	27.30
1006	Painter	day	0.02	273.00	5.46
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				781.30
	Add 15% for Overheads & Profit				117.20
	TOTAL				898.50
	Rate per Point				898.50
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 3 = 9 + 0.45$ (wastage @ 5%) = 9.45m	metre	9.45	10.95	103.48
1201	20 mm dia. ISI marked, steel conduit = $2.5 + 0.13$ (wastage @ 5%) = 2.27m	metre	2.27	60.38	137.06
1206	20 mm inspection/ solid bends	each	1.00	14.28	14.28
1211	20 mm sockets	each	0.00	2.60	0.00
1218	20 mm iron staples/ saddles/ screws	each	4.00	1.68	6.72
1216	20 mm junction box, one way	each	1.00	12.60	12.60
1300	Modular GI box for 2 module	each	0.50	32.63	16.32
1421	Modular base & cover plate for 2 module	each	0.50	32.63	16.32
1402	S.P. 5/6 amps, one way modular switch, ISI marked	each	1.00	42.75	42.75
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				354.53
	Cartage @ 1% of cost of materials				3.55
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1010	Mason, Grade 2	day	0.10	273.00	27.30
1006	Painter	day	0.02	273.00	5.46
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				525.14
	Add 15% for Overheads & Profit				78.77
	TOTAL				603.91
	Rate per Point				603.91
	Say				604.00

CHAPTER 1 – WIRING

- 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.

1.3.2 Group B

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 4 = 12 + 0.60$ (wastage @ 5%) = 12.60m	metre	12.60	10.95	137.97
1201	20 mm dia. ISI marked, steel conduit = $3.5 + 0.18$ (wastage @ 5%) = 3.68m	metre	3.68	60.38	222.20
1206	20 mm inspection/ solid bends	each	1.00	14.28	14.28
1211	20 mm sockets	each	2.00	2.60	5.20
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
1216	20 mm junction box, one way	each	1.00	12.60	12.60
1300	Modular GI box for 2 module	each	0.50	32.63	16.32
1421	Modular base & cover plate for 2 module	each	0.50	32.63	16.32
1402	S.P. 5/6 amps, one way modular switch, ISI marked	each	1.00	42.75	42.75
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				489.01
	Cartage @ 1% of cost of materials				4.89
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1010	Mason, Grade 2	day	0.10	273.00	27.30
1006	Painter	day	0.02	273.00	5.46
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				660.96
	Add 15% for Overheads & Profit				99.14
	TOTAL				760.10
	Rate per Point				760.10
	Say				760.00

- 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.

1.3.3 Group C

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 5 = 15 + 0.75$ (wastage @ 5%) = 15.75m	metre	15.75	10.95	172.46
1201	20 mm dia. ISI marked, steel conduit = $4.5 + 0.23$ (wastage @ 5%) = 4.73m	metre	4.73	60.38	285.60
1206	20 mm inspection/ solid bends	each	1.00	14.28	14.28
1211	20 mm sockets	each	2.00	2.60	5.20
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
1216	20 mm junction box, one way	each	1.00	12.60	12.60
1300	Modular GI box for 2 module	each	0.50	32.63	16.32
1421	Modular base & cover plate for 2 module	each	0.50	32.63	16.32
1402	S.P. 5/6 amps, one way modular switch, ISI marked	each	1.00	42.75	42.75
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				586.90
	Cartage @ 1% of cost of materials				5.87
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1010	Mason, Grade 2	day	0.10	273.00	27.30
1006	Painter	day	0.02	273.00	5.46
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				814.63
	Add 15% for Overheads & Profit				122.19
	TOTAL				936.82
	Rate per Point				936.82
	Say				937.00

CHAPTER 1 – WIRING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 5 = 15 + 0.75$ (wastage @ 5%) = 15.75m	metre	15.75	10.95	172.46
1201	20 mm dia. ISI marked, steel conduit = $4.5 + 0.23$ (wastage @ 5%) = 4.73m	metre	4.73	60.38	285.60
1206	20 mm inspection/ solid bends	each	1.00	14.28	14.28
1211	20 mm sockets	each	2.00	2.60	5.20
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
1216	20 mm junction box, one way	each	1.00	12.60	12.60
1217	20 mm junction box, two way	each	2.00	12.60	25.20
1300	Modular GI box for 2 module	each	0.50	32.63	16.32
1421	Modular base & cover plate for 2 module	each	0.50	32.63	16.32
1403	S.P. 5/6 amps, two way modular switch, ISI marked	each	1.00	63.00	63.00
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				632.35
	Cartage @ 1% of cost of materials				6.32
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1010	Mason, Grade 2	day	0.10	273.00	27.30
1006	Painter	day	0.02	273.00	5.46
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				860.53
	Add 15% for Overheads & Profit				129.08
	TOTAL				989.61
	Rate per Point				989.61
	Say				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 alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 3 = 151.5 + 7.58$ (Wastage @ 5%) = 159.08m	metre	159.08	25.88	4116.99
1201	20 mm dia. ISI marked, steel conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	60.38	3169.95
1206	20 mm inspection/ solid bends	each	4.00	14.28	57.12
1211	20 mm sockets	each	10.00	2.60	26.00
1217	20 mm junction box, two way	each	6.00	12.60	75.60
1218	20 mm iron staples/ saddles/ screws	each	85.00	1.68	142.80
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				7613.71
	Cartage @ 1% of cost of materials				76.14
	LABOUR				
1001	Wireman	day	3.00	301.00	903.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.50	273.00	136.50
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				9990.35
	Add 15% for Overheads & Profit				1498.55
	TOTAL				11488.90
	Rate per Metre				229.78
	Say				230.00

CHAPTER 1 – WIRING

- 1.6 Wiring for light/ power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	25.88	8233.72
1202	25 mm dia. ISI marked, steel conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	76.13	3996.83
1207	25 mm inspection/ solid bends	each	4.00	15.54	62.16
1212	25 mm sockets	each	10.00	3.02	30.20
1217	20 mm junction box, two way	each	6.00	12.60	75.60
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				12587.81
	Cartage @ 1% of cost of materials				125.88
	LABOUR				
1001	Wireman	day	4.00	301.00	1204.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.60	273.00	163.80
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				15589.49
	Add 15% for Overheads & Profit				2338.42
	TOTAL				17927.91
	Rate per Metre				358.56
	Say				359.00

- 1.7 Wiring for circuit/ submain wiring alongwith 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 3 = 151.5 + 7.58$ (Wastage @ 5%) = 159.08m	metre	159.08	10.95	1741.93
1201	20 mm dia. ISI marked, steel conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	60.38	3169.95
1206	20 mm inspection/ solid bends	each	4.00	14.28	57.12
1211	20 mm sockets	each	15.00	2.60	39.00
1218	20 mm iron staples/ saddles/ screws	each	85.00	1.68	142.80
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				5176.05
	Cartage @ 1% of cost of materials				51.76
	LABOUR				
1001	Wireman	day	3.00	301.00	903.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.50	273.00	136.50
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				7528.31
	Add 15% for Overheads & Profit				1129.25
	TOTAL				8657.56
	Rate per Metre				173.15
	Say				173.00

CHAPTER 1 – WIRING

- 1.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required
- 1.7.2 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable =50.5x3 = 151.5 + 7.58 (Wastage @ 5%) = 159.08m	metre	159.08	17.63	2804.58
1201	20 mm dia. ISI marked, steel conduit = 50.0 + 2.5 (Wastage @ 5%) = 52.5m	metre	52.50	60.38	3169.95
1206	20 mm inspection/ solid bends	each	4.00	14.28	57.12
1211	20 mm sockets	each	15.00	2.60	39.00
1218	20 mm iron staples/ saddles/ screws	each	85.00	1.68	142.80
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				6238.70
	Cartage @ 1% of cost of materials				62.39
	LABOUR				
1001	Wireman	day	3.00	301.00	903.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.50	273.00	136.50
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				8601.59
	Add 15% for Overheads & Profit				1290.24
	TOTAL				9891.83
	Rate per Metre				197.84
	Say				198.00

- 1.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required
- 1.7.3 2 X 4 sq. mm + 1 X 4 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = 50.5x3 = 151.5 + 7.58 (Wastage @ 5%) = 159.08m	metre	159.08	25.88	4116.99
1201	20 mm dia. ISI marked, steel conduit = 50.0 + 2.5 (Wastage @ 5%) = 52.5m	metre	52.50	60.38	3169.95
1206	20 mm inspection/ solid bends	each	4.00	14.28	57.12
1211	20 mm sockets	each	15.00	2.60	39.00
1218	20 mm iron staples/ saddles/ screws	each	85.00	1.68	142.80
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				7551.11
	Cartage @ 1% of cost of materials				75.51
	LABOUR				
1001	Wireman	day	3.00	301.00	903.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.50	273.00	136.50
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				9927.12
	Add 15% for Overheads & Profit				1489.07
	TOTAL				11416.19
	Rate per Metre				228.32
	Say				228.00

CHAPTER 1 – WIRING

- 1.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required
- 1.7.4 2 X 6 sq. mm + 1 X 6 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable =50.5x3 = 151.5 + 7.58 (Wastage @ 5%) = 159.08m	metre	159.08	35.84	5701.43
1202	25 mm dia. ISI marked, steel conduit = 50.0 + 2.5 (Wastage @ 5%) = 52.5m	metre	52.50	76.13	3996.83
1207	25 mm inspection/ solid bends	each	4.00	15.54	62.16
1212	25 mm sockets	each	15.00	3.02	45.30
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				9995.02
	Cartage @ 1% of cost of materials				99.95
	LABOUR				
1001	Wireman	day	4.00	301.00	1204.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.50	273.00	136.50
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				12943.47
	Add 15% for Overheads & Profit				1941.52
	TOTAL				14884.99
	Rate per Metre				297.70
	Say				298.00

CHAPTER 1 – WIRING

- 1.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required
- 1.7.5 2 X 10 sq. mm + 1 X 10 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1105	10 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = 50.5x3 = 151.5 + 7.58 (Wastage @ 5%) = 159.08m	metre	159.08	62.93	10010.90
1202	25 mm dia. ISI marked, steel conduit = 50.0 + 2.5 (Wastage @ 5%) = 52.5m	metre	52.50	76.13	3996.83
1207	25 mm inspection/ solid bends	each	4.00	15.54	62.16
1212	25 mm sockets	each	15.00	3.02	45.30
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				14304.49
	Cartage @ 1% of cost of materials				143.04
	LABOUR				
1001	Wireman	day	4.00	301.00	1204.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.50	273.00	136.50
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				17296.03
	Add 15% for Overheads & Profit				2594.40
	TOTAL				19890.43
	Rate per Metre				397.81
	Say				398.00

CHAPTER 1 – WIRING

- 1.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required
- 1.7.6 2 X 16 sq. mm + 1 X 16 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1106	16 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable =50.5x3 = 151.5 + 7.58 (Wastage @ 5%) = 159.08m	metre	159.08	90.72	14431.74
1203	32 mm dia. ISI marked, steel conduit = 50.0 + 2.5 (Wastage @ 5%) = 52.5m	metre	52.50	115.50	6063.75
1208	32 mm inspection/ solid bends	each	4.00	24.15	96.60
1213	32 mm sockets	each	15.00	6.97	104.55
1220	32 mm iron staples/ saddles/ screws	each	85.00	2.94	249.90
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				20971.79
	Cartage @ 1% of cost of materials				209.72
	LABOUR				
1001	Wireman	day	4.00	301.00	1204.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.50	273.00	136.50
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				24030.01
	Add 15% for Overheads & Profit				3604.50
	TOTAL				27634.51
	Rate per Metre				552.69
	Say				553.00

- 1.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required
- 1.7.7 4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	17.63	5608.98
1202	25 mm dia. ISI marked, steel conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	76.13	3996.83
1207	25 mm inspection/ solid bends	each	4.00	15.54	62.16
1212	25 mm sockets	each	15.00	3.02	45.30
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				9902.57
	Cartage @ 1% of cost of materials				99.03
	LABOUR				
1001	Wireman	day	4.00	301.00	1204.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.60	273.00	163.80
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				12877.40
	Add 15% for Overheads & Profit				1931.61
	TOTAL				14809.01
	Rate per Metre				296.18
	Say				296.00

CHAPTER 1 – WIRING

- 1.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required
- 1.7.8 4 X 4 sq. mm + 2 X 4 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	25.88	8233.72
1202	25 mm dia. ISI marked, steel conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	76.13	3996.83
1207	25 mm inspection/ solid bends	each	4.00	15.54	62.16
1212	25 mm sockets	each	15.00	3.02	45.30
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				12527.31
	Cartage @ 1% of cost of materials				125.27
	LABOUR				
1001	Wireman	day	4.00	301.00	1204.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.60	273.00	163.80
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				15528.38
	Add 15% for Overheads & Profit				2329.26
	TOTAL				17857.64
	Rate per Metre				357.15
	Say				357.00

- 1.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required
- 1.7.9 4 X 6 sq. mm + 2 X 6 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	35.84	11402.50
1203	32 mm dia. ISI marked, steel conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	115.50	6063.75
1208	32 mm inspection/ solid bends	each	4.00	24.15	96.60
1213	32 mm sockets	each	15.00	6.97	104.55
1220	32 mm iron staples/ saddles/ screws	each	85.00	2.94	249.90
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				17942.55
	Cartage @ 1% of cost of materials				179.43
	LABOUR				
1001	Wireman	day	4.00	301.00	1204.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.60	273.00	163.80
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				20997.78
	Add 15% for Overheads & Profit				3149.67
	TOTAL				24147.45
	Rate per Metre				482.95
	Say				483.00

CHAPTER 1 – WIRING

- 1.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required
- 1.7.10 4 X 10 sq. mm + 2 X 10 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1105	10 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	62.93	20021.18
1204	40 mm dia. ISI marked, steel conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	186.38	9784.95
1209	40 mm inspection/ solid bends	each	4.00	38.64	154.56
1214	40 mm sockets	each	15.00	10.50	157.50
1221	40 mm iron staples/ saddles/ screws	each	85.00	3.95	335.75
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				30479.19
	Cartage @ 1% of cost of materials				304.79
	LABOUR				
1001	Wireman	day	4.00	301.00	1204.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.60	273.00	163.80
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				33659.78
	Add 15% for Overheads & Profit				5048.97
	TOTAL				38708.75
	Rate per Metre				774.18
	Say				774.00

- 1.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required
- 1.7.11 4 X 16 sq. mm + 2 X 16 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1106	16 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	90.72	28862.57
1205	50 mm dia. ISI marked, steel conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	262.50	13781.25
1210	50 mm inspection/ solid bends	each	4.00	57.96	231.84
1215	50 mm sockets	each	15.00	18.82	282.30
1222	50 mm iron staples/ saddles/ screws	each	85.00	5.04	428.40
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				43611.61
	Cartage @ 1% of cost of materials				436.12
	LABOUR				
1001	Wireman	day	4.50	301.00	1354.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.60	273.00	163.80
1007	Khallasi	day	5.50	247.00	1358.50
	TOTAL				47197.53
	Add 15% for Overheads & Profit				7079.63
	TOTAL				54277.16
	Rate per Metre				1085.54
	Say				1086.00

CHAPTER 1 – WIRING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 3 = 9 + 0.45$ (wastage @ 5%) = 9.45m	metre	9.45	10.95	103.48
1224	20 mm dia. ISI marked, steel conduit = $2.5 + 0.13$ (wastage @ 5%) = 2.27m	metre	2.27	14.14	32.10
1229	20 mm PVC bends	each	1.00	5.42	5.42
1234	20 mm PVC couplers	each	0.00	3.31	0.00
1218	20 mm iron staples/ saddles/ screws	each	4.00	1.68	6.72
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	8.00	0.35	2.80
2920	Washers	each	4.00	0.15	0.60
1243	75 mm X 75 mm X 50 mm PVC box	each	1.00	17.44	17.44
1322	3 mm thick phenolic laminated sheet	sqcm	72.00	0.09	6.48
1239	20 mm PVC junction box, one way	each	1.00	9.45	9.45
1431	S.P. 5/6 amps, one way switch, piano type ISI marked	each	1.00	9.00	9.00
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				198.49
	Cartage @ 1% of cost of materials				1.98
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1010	Mason, Grade 2	day	0.10	273.00	27.30
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				362.07
	Add 15% for Overheads & Profit				54.31
	TOTAL				416.38
	Rate per Point				416.38
	Say				416.00

- 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.

1.8.2 Group B

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 4 = 12 + 0.60$ (wastage @ 5%) = 12.60m	metre	12.60	10.95	137.97
1224	20 mm dia. ISI marked, steel conduit = $3.5 + 0.18$ (wastage @ 5%) = 3.68m	metre	3.68	14.14	52.04
1229	20 mm PVC bends	each	1.00	5.42	5.42
1234	20 mm PVC couplers	each	2.00	3.31	6.62
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	8.00	0.35	2.80
2920	Washers	each	4.00	0.15	0.60
1243	75 mm X 75 mm X 50 mm PVC box	each	1.00	17.44	17.44
1322	3 mm thick phenolic laminated sheet	sqcm	72.00	0.09	6.48
1239	20 mm PVC junction box, one way	each	1.00	9.45	9.45
1431	S.P. 5/6 amps, one way switch, piano type ISI marked	each	1.00	9.00	9.00
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				269.19
	Cartage @ 1% of cost of materials				2.69
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1010	Mason, Grade 2	day	0.10	273.00	27.30
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				433.48
	Add 15% for Overheads & Profit				65.02
	TOTAL				498.50
	Rate per Point				498.50
	Say				499.00

CHAPTER 1 – WIRING

- 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.

1.8.3 Group C

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 5 = 15 + 0.75$ (wastage @ 5%) = 15.75m	metre	15.75	10.95	172.46
1224	20 mm dia. ISI marked, PVC conduit = $4.5 + 0.23$ (wastage @ 5%) = 4.73m	metre	4.73	14.14	66.88
1229	20 mm PVC bends	each	1.00	5.42	5.42
1234	20 mm PVC couplers	each	2.00	3.31	6.62
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	8.00	0.35	2.80
2920	Washers	each	4.00	0.15	0.60
1243	75 mm X 75 mm X 50 mm PVC box	each	1.00	17.44	17.44
1322	3 mm thick phenolic laminated sheet	sqcm	72.00	0.09	6.48
1239	20 mm PVC junction box, one way	each	1.00	9.45	9.45
1431	S.P. 5/6 amps, one way switch, piano type ISI marked	each	1.00	9.00	9.00
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				318.52
	Cartage @ 1% of cost of materials				3.19
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1010	Mason, Grade 2	day	0.10	273.00	27.30
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				538.11
	Add 15% for Overheads & Profit				80.72
	TOTAL				618.83
	Rate per Point				618.83
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 5 = 15 + 0.75$ (wastage @ 5%) = 15.75m	metre	15.75	10.95	172.46
1224	20 mm dia. ISI marked, PVC conduit = $4.5 + 0.23$ (wastage @ 5%) = 4.73m	metre	4.73	14.14	66.88
1229	20 mm PVC bends	each	1.00	5.42	5.42
1234	20 mm PVC couplers	each	2.00	3.31	6.62
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	8.00	0.35	2.80
2920	Washers	each	4.00	0.15	0.60
1243	75 mm X 75 mm X 50 mm PVC box	each	1.00	17.44	17.44
1322	3 mm thick phenolic laminated sheet	sqcm	72.00	0.09	6.48
1239	20 mm PVC junction box, one way	each	1.00	9.45	9.45
1432	S.P. 5/6 amps, two way switch, piano type ISI marked	each	1.00	14.40	14.40
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				323.92
	Cartage @ 1% of cost of materials				3.24
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1010	Mason, Grade 2	day	0.10	273.00	27.30
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				543.56
	Add 15% for Overheads & Profit				81.53
	TOTAL				625.09
	Rate per Point				625.09
	Say				625.00

CHAPTER 1 – WIRING

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 3 = 9 + 0.45$ (wastage @ 5%) = 9.45m	metre	9.45	10.95	103.48
1224	20 mm dia. ISI marked, steel conduit = $2.5 + 0.13$ (wastage @ 5%) = 2.27m	metre	2.27	14.14	32.10
1229	20 mm PVC bends	each	1.00	5.42	5.42
1234	20 mm PVC couplers	each	0.00	3.31	0.00
1218	20 mm iron staples/ saddles/ screws	each	4.00	1.68	6.72
1239	20 mm PVC junction box, one way	each	1.00	9.45	9.45
1300	Modular GI box for 2 module	each	0.50	32.63	16.32
1421	Modular base & cover plate for 2 module	each	0.50	32.63	16.32
1402	S.P. 5/6 amps, one way modular switch, ISI marked	each	1.00	42.75	42.75
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				237.56
	Cartage @ 1% of cost of materials				2.38
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1010	Mason, Grade 2	day	0.10	273.00	27.30
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				401.54
	Add 15% for Overheads & Profit				60.23
	TOTAL				461.77
	Rate per Point				461.77
	Say				462.00

- 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.

1.10.2 Group B

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 4 = 12 + 0.60$ (wastage @ 5%) = 12.60m	metre	12.60	10.95	137.97
1224	20 mm dia. ISI marked, steel conduit = $3.5 + 0.18$ (wastage @ 5%) = 3.68m	metre	3.68	14.14	52.04
1229	20 mm PVC bends	each	1.00	5.42	5.42
1234	20 mm PVC couplers	each	2.00	3.31	6.62
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
1239	20 mm PVC junction box, one way	each	1.00	9.45	9.45
1300	Modular GI box for 2 module	each	0.50	32.63	16.32
1421	Modular base & cover plate for 2 module	each	0.50	32.63	16.32
1402	S.P. 5/6 amps, one way modular switch, ISI marked	each	1.00	42.75	42.75
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				308.26
	Cartage @ 1% of cost of materials				3.08
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1010	Mason, Grade 2	day	0.10	273.00	27.30
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				472.94
	Add 15% for Overheads & Profit				70.94
	TOTAL				543.88
	Rate per Point				543.88
	Say				544.00

CHAPTER 1 – WIRING

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.

1.10.3 Group C

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 5 = 15 + 0.75$ (wastage @ 5%) = 15.75m	metre	15.75	10.95	172.46
1224	20 mm dia. ISI marked, PVC conduit = $4.5 + 0.23$ (wastage @ 5%) = 4.73m	metre	4.73	14.14	66.88
1229	20 mm PVC bends	each	1.00	5.42	5.42
1234	20 mm PVC couplers	each	2.00	3.31	6.62
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
1239	20 mm PVC junction box, one way	each	1.00	9.45	9.45
1300	Modular GI box for 2 module	each	0.50	32.63	16.32
1421	Modular base & cover plate for 2 module	each	0.50	32.63	16.32
1402	S.P. 5/6 amps, one way modular switch, ISI marked	each	1.00	42.75	42.75
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				357.59
	Cartage @ 1% of cost of materials				3.58
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1010	Mason, Grade 2	day	0.10	273.00	27.30
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				577.57
	Add 15% for Overheads & Profit				86.64
	TOTAL				664.21
	Rate per Point				664.21
	Say				664.00

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 5 = 15 + 0.75$ (wastage @ 5%) = 15.75m	metre	15.75	10.95	172.46
1224	20 mm dia. ISI marked, PVC conduit = $4.5 + 0.23$ (wastage @ 5%) = 4.73m	metre	4.73	14.14	66.88
1229	20 mm PVC bends	each	1.00	5.42	5.42
1234	20 mm PVC couplers	each	2.00	3.31	6.62
1218	20 mm iron staples/ saddles/ screws	each	9.00	1.68	15.12
1239	20 mm PVC junction box, one way	each	1.00	9.45	9.45
1240	20 mm PVC junction box, two way	each	2.00	9.77	19.54
1300	Modular GI box for 2 module	each	0.50	32.63	16.32
1421	Modular base & cover plate for 2 module	each	0.50	32.63	16.32
1403	S.P. 5/6 amps, two way modular switch, ISI marked	each	1.00	63.00	63.00
2857	PVC fastener 40mm long	each	9.00	0.25	2.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				397.38
	Cartage @ 1% of cost of materials				3.97
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1010	Mason, Grade 2	day	0.10	273.00	27.30
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				617.75
	Add 15% for Overheads & Profit				92.66
	TOTAL				710.41
	Rate per Point				710.41
	Say				710.00

CHAPTER 1 – WIRING

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 alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = 50.5x3 = 151.5 + 7.58 (Wastage @ 5%) = 159.08m	metre	159.08	25.88	4116.99
1224	20 mm dia. ISI marked, PVC conduit = 50.0 + 2.5 (Wastage @ 5%) = 52.5m	metre	52.50	14.14	742.35
1229	20 mm PVC bends	each	4.00	5.42	21.68
1234	20 mm PVC couplers	each	15.00	3.31	49.65
1218	20 mm iron staples/ saddles/ screws	each	85.00	1.68	142.80
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				5098.72
	Cartage @ 1% of cost of materials				50.99
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				7039.71
	Add 15% for Overheads & Profit				1055.96
	TOTAL				8095.67
	Rate per Metre				161.91
	Say				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 alongwith 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	25.88	8233.72
1225	25 mm dia. ISI marked, PVC conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	19.44	1020.60
1230	25 mm PVC bends	each	4.00	7.37	29.48
1235	25 mm PVC couplers	each	15.00	5.04	75.60
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				9548.70
	Cartage @ 1% of cost of materials				95.49
	LABOUR				
1001	Wireman	day	2.75	301.00	827.75
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.75	247.00	926.25
	TOTAL				11671.19
	Add 15% for Overheads & Profit				1750.68
	TOTAL				13421.87
	Rate per Metre				268.44
	Say				268.00

CHAPTER 1 – WIRING

1.14 Wiring for circuit/ submain wiring alongwith 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable =50.5x3 = 151.5 + 7.58 (Wastage @ 5%) = 159.08m	metre	159.08	10.95	1741.93
1224	20 mm dia. ISI marked, PVC conduit = 50.0 + 2.5 (Wastage @ 5%) = 52.5m	metre	52.50	14.14	742.35
1229	20 mm PVC bends	each	4.00	5.42	21.68
1234	20 mm PVC couplers	each	15.00	3.31	49.65
1218	20 mm iron staples/ saddles/ screws	each	85.00	1.68	142.80
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				2723.66
	Cartage @ 1% of cost of materials				27.24
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				4640.90
	Add 15% for Overheads & Profit				696.14
	TOTAL				5337.04
	Rate per Metre				106.74
	Say				107.00

- 1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required

1.14.2 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 3 = 151.5 + 7.58$ (Wastage @ 5%) = 159.08m	metre	159.08	17.63	2804.58
1224	20 mm dia. ISI marked, PVC conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	14.14	742.35
1229	20 mm PVC bends	each	4.00	5.42	21.68
1234	20 mm PVC couplers	each	15.00	3.31	49.65
1218	20 mm iron staples/ saddles/ screws	each	85.00	1.68	142.80
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				3786.31
	Cartage @ 1% of cost of materials				37.86
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				5714.17
	Add 15% for Overheads & Profit				857.13
	TOTAL				6571.30
	Rate per Metre				131.43
	Say				131.00

CHAPTER 1 – WIRING

1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required

1.14.3 2 X 4 sq. mm + 1 X 4 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable =50.5x3 = 151.5 + 7.58 (Wastage @ 5%) = 159.08m	metre	159.08	25.88	4116.99
1224	20 mm dia. ISI marked, PVC conduit = 50.0 + 2.5 (Wastage @ 5%) = 52.5m	metre	52.50	14.14	742.35
1229	20 mm PVC bends	each	4.00	5.42	21.68
1234	20 mm PVC couplers	each	15.00	3.31	49.65
1218	20 mm iron staples/ saddles/ screws	each	85.00	1.68	142.80
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				5098.72
	Cartage @ 1% of cost of materials				50.99
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				7039.71
	Add 15% for Overheads & Profit				1055.96
	TOTAL				8095.67
	Rate per Metre				161.91
	Say				162.00

1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required

1.14.4 2 X 6 sq. mm + 1 X 6 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 3 = 151.5 + 7.58$ (Wastage @ 5%) = 159.08m	metre	159.08	35.84	5701.43
1225	25 mm dia. ISI marked, PVC conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	19.44	1020.60
1230	25 mm PVC bends	each	4.00	7.37	29.48
1235	25 mm PVC couplers	each	15.00	5.04	75.60
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				7016.41
	Cartage @ 1% of cost of materials				70.16
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				8976.57
	Add 15% for Overheads & Profit				1346.49
	TOTAL				10323.06
	Rate per Metre				206.46
	Say				206.00

CHAPTER 1 – WIRING

1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required

1.14.5 2 X 10 sq. mm + 1 X 10 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1105	10 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable =50.5x3 = 151.5 + 7.58 (Wastage @ 5%) = 159.08m	metre	159.08	62.93	10010.90
1225	25 mm dia. ISI marked, PVC conduit = 50.0 + 2.5 (Wastage @ 5%) = 52.5m	metre	52.50	19.44	1020.60
1230	25 mm PVC bends	each	4.00	7.37	29.48
1235	25 mm PVC couplers	each	15.00	5.04	75.60
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				11325.88
	Cartage @ 1% of cost of materials				113.26
	LABOUR				
1001	Wireman	day	2.75	301.00	827.75
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.75	247.00	926.25
	TOTAL				13466.14
	Add 15% for Overheads & Profit				2019.92
	TOTAL				15486.06
	Rate per Metre				309.72
	Say				310.00

1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required

1.14.6 2 X 16 sq. mm + 1 X 16 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1106	16 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 3 = 151.5 + 7.58$ (Wastage @ 5%) = 159.08m	metre	159.08	90.72	14431.74
1226	32 mm dia. ISI marked, PVC conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	29.77	1562.93
1231	32 mm PVC bends	each	4.00	12.66	50.64
1236	32 mm PVC couplers	each	15.00	8.19	122.85
1220	32 mm iron staples/ saddles/ screws	each	85.00	2.94	249.90
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				16443.31
	Cartage @ 1% of cost of materials				164.43
	LABOUR				
1001	Wireman	day	2.75	301.00	827.75
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.75	247.00	926.25
	TOTAL				18634.74
	Add 15% for Overheads & Profit				2795.21
	TOTAL				21429.95
	Rate per Metre				428.60
	Say				429.00

CHAPTER 1 – WIRING

1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required

1.14.7 4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	17.63	5608.98
1225	25 mm dia. ISI marked, PVC conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	19.44	1020.60
1230	25 mm PVC bends	each	4.00	7.37	29.48
1235	25 mm PVC couplers	each	15.00	5.04	75.60
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				6923.96
	Cartage @ 1% of cost of materials				69.24
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				8883.20
	Add 15% for Overheads & Profit				1332.48
	TOTAL				10215.68
	Rate per Metre				204.31
	Say				204.00

1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required

1.14.8 4 X 4 sq. mm + 2 X 4 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	25.88	8233.72
1225	25 mm dia. ISI marked, PVC conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	19.44	1020.60
1230	25 mm PVC bends	each	4.00	7.37	29.48
1235	25 mm PVC couplers	each	15.00	5.04	75.60
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				9548.70
	Cartage @ 1% of cost of materials				95.49
	LABOUR				
1001	Wireman	day	2.75	301.00	827.75
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.75	247.00	926.25
	TOTAL				11671.19
	Add 15% for Overheads & Profit				1750.68
	TOTAL				13421.87
	Rate per Metre				268.44
	Say				268.00

CHAPTER 1 – WIRING

1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required

1.14.9 4 X 6 sq. mm + 2 X 6 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	35.84	11402.50
1226	32 mm dia. ISI marked, PVC conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	29.77	1562.93
1231	32 mm PVC bends	each	4.00	12.66	50.64
1236	32 mm PVC couplers	each	15.00	8.19	122.85
1220	32 mm iron staples/ saddles/ screws	each	85.00	2.94	249.90
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				13414.07
	Cartage @ 1% of cost of materials				134.14
	LABOUR				
1001	Wireman	day	2.75	301.00	827.75
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.75	247.00	926.25
	TOTAL				15575.21
	Add 15% for Overheads & Profit				2336.28
	TOTAL				17911.49
	Rate per Metre				358.23
	Say				358.00

- 1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required

1.14.10 4 X 10 sq. mm + 2 X 10 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1105	10 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	62.93	20021.18
1226	32 mm dia. ISI marked, PVC conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	29.77	1562.93
1231	32 mm PVC bends	each	4.00	12.66	50.64
1236	32 mm PVC couplers	each	15.00	8.19	122.85
1220	32 mm iron staples/ saddles/ screws	each	85.00	2.94	249.90
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				22032.75
	Cartage @ 1% of cost of materials				220.33
	LABOUR				
1001	Wireman	day	3.00	301.00	903.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				24417.08
	Add 15% for Overheads & Profit				3662.56
	TOTAL				28079.64
	Rate per Metre				561.59
	Say				562.00

CHAPTER 1 – WIRING

1.14 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required

1.14.11 4 X 16 sq. mm + 2 X 16 sq. mm earth wire

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1106	16 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303.0 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	90.72	28862.57
1227	40 mm dia. ISI marked, PVC conduit = $50.0 + 2.5$ (Wastage @ 5%) = 52.5m	metre	52.50	45.52	2389.80
1232	40 mm PVC bends	each	4.00	14.87	59.48
1237	40 mm PVC couplers	each	15.00	10.05	150.75
1221	40 mm iron staples/ saddles/ screws	each	85.00	3.95	335.75
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				31823.60
	Cartage @ 1% of cost of materials				318.24
	LABOUR				
1001	Wireman	day	3.00	301.00	903.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				34305.84
	Add 15% for Overheads & Profit				5145.88
	TOTAL				39451.72
	Rate per Metre				789.03
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 3 = 9 + 0.45$ (wastage @ 5%) = 9.45m	metre	9.45	10.95	103.48
2859	Rubber/ PVC bushes	each	1.00	0.50	0.50
	Total cost of materials				103.98
	Cartage @ 1% of cost of materials				1.04
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				214.62
	Add 15% for Overheads & Profit				32.19
	TOTAL				246.81
	Rate per Point				246.81
	Say				247.00

- 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.

1.15.2 Group B

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 4 = 12 + 0.60$ (wastage @ 5%) = 12.60m	metre	12.60	10.95	137.97
2859	Rubber/ PVC bushes	each	1.00	0.50	0.50
	Total cost of materials				138.47
	Cartage @ 1% of cost of materials				1.38
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				249.45
	Add 15% for Overheads & Profit				37.42
	TOTAL				286.87
	Rate per Point				286.87
	Say				287.00

CHAPTER 1 – WIRING

- 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.

1.15.3 Group C

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Point				
	A 1 MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $3 \times 5 = 15 + 0.75$ (wastage @ 5%) = 15.75m	metre	15.75	10.95	172.46
2859	Rubber/ PVC bushes	each	2.00	0.50	1.00
	Total cost of materials				173.46
	Cartage @ 1% of cost of materials				1.73
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				339.59
	Add 15% for Overheads & Profit				50.94
	TOTAL				390.53
	Rate per Point				390.53
	Say				391.00

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Point				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	metre	15.75	10.95	172.46
2859	Rubber/ PVC bushes	each	2.00	0.50	1.00
	Total cost of materials				173.46
	Cartage @ 1% of cost of materials				1.73
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				339.59
	Add 15% for Overheads & Profit				50.94
	TOTAL				390.53
	Rate per Point				390.53
	Say				391.00

CHAPTER 1 – WIRING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 1 = 50.5 + 2.53$ (Wastage @ 5%) = 53.03m	metre	53.03	10.95	580.68
	Total cost of materials				580.68
	Cartage @ 1% of cost of materials				5.81
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				860.49
	Add 15% for Overheads & Profit				129.07
	TOTAL				989.56
	Rate per Metre				19.79
	Say				20.00

- 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.
 1.17.2 2 x 1.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
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.				
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 2 = 101 + 5.05$ (Wastage @ 5%) = 106.05m	metre	106.05	10.95	1161.25
	Total cost of materials				1161.25
	Cartage @ 1% of cost of materials				11.61
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				1446.86
	Add 15% for Overheads & Profit				217.03
	TOTAL				1663.89
	Rate per Metre				33.28
	Say				33.50

CHAPTER 1 – WIRING

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.

1.17.3 3 x 1.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 3 = 151.5 + 7.58$ (Wastage @ 5%) = 159.08m	metre	159.08	10.95	1741.93
	Total cost of materials				1741.93
	Cartage @ 1% of cost of materials				17.42
	LABOUR				
1001	Wireman	day	0.75	301.00	225.75
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				2170.35
	Add 15% for Overheads & Profit				325.55
	TOTAL				2495.90
	Rate per Metre				49.92
	Say				50.00

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.

1.17.4 4 x 1.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 4 = 202 + 10.1$ (Wastage @ 5%) = 212.1m	metre	212.10	10.95	2322.50
	Total cost of materials				2322.50
	Cartage @ 1% of cost of materials				23.23
	LABOUR				
1001	Wireman	day	0.75	301.00	225.75
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				2756.73
	Add 15% for Overheads & Profit				413.51
	TOTAL				3170.24
	Rate per Metre				63.40
	Say				63.50

CHAPTER 1 – WIRING

- 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.
- 1.17.5 5 x 1.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 5 = 252.5 + 12.63$ (Wastage @ 5%) = 265.13m	metre	265.13	10.95	2903.17
	Total cost of materials				2903.17
	Cartage @ 1% of cost of materials				29.03
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				3480.20
	Add 15% for Overheads & Profit				522.03
	TOTAL				4002.23
	Rate per Metre				80.04
	Say				80.00

- 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.
- 1.17.6 6 x 1.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 6 = 303 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	10.95	3483.74
	Total cost of materials				3483.74
	Cartage @ 1% of cost of materials				34.84
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				4066.58
	Add 15% for Overheads & Profit				609.99
	TOTAL				4676.57
	Rate per Metre				93.53
	Say				93.50

CHAPTER 1 – WIRING

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.

1.17.7 7 x 1.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 7 = 353.5 + 17.68$ (Wastage @ 5%) = 371.18m	metre	371.18	10.95	4064.42
	Total cost of materials				4064.42
	Cartage @ 1% of cost of materials				40.64
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	1.50	247.00	370.50
	TOTAL				4927.06
	Add 15% for Overheads & Profit				739.06
	TOTAL				5666.12
	Rate per Metre				113.32
	Say				113.00

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.

1.17.8 8 x 1.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 8 = 404 + 20.2$ (Wastage @ 5%) = 424.2m	metre	424.20	10.95	4644.99
	Total cost of materials				4644.99
	Cartage @ 1% of cost of materials				46.45
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	1.50	247.00	370.50
	TOTAL				5513.44
	Add 15% for Overheads & Profit				827.02
	TOTAL				6340.46
	Rate per Metre				126.81
	Say				127.00

CHAPTER 1 – WIRING

- 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.
- 1.17.9 9 x 1.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 9 = 454.5 + 22.73$ (Wastage @ 5%) = 477.23m	metre	477.23	10.95	5225.67
	Total cost of materials				5225.67
	Cartage @ 1% of cost of materials				52.26
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				6373.93
	Add 15% for Overheads & Profit				956.09
	TOTAL				7330.02
	Rate per Metre				146.60
	Say				147.00

- 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.
- 1.17.10 10 x 1.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 10 = 505 + 25.25$ (Wastage @ 5%) = 530.25m	metre	530.25	10.95	5806.24
	Total cost of materials				5806.24
	Cartage @ 1% of cost of materials				58.06
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				6960.30
	Add 15% for Overheads & Profit				1044.05
	TOTAL				8004.35
	Rate per Metre				160.09
	Say				160.00

CHAPTER 1 – WIRING

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.

1.17.11 2 x 2.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 2 = 101 + 5.05$ (Wastage @ 5%) = 106.05m	metre	106.05	17.63	1869.66
	Total cost of materials				1869.66
	Cartage @ 1% of cost of materials				18.70
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				2162.36
	Add 15% for Overheads & Profit				324.35
	TOTAL				2486.71
	Rate per Metre				49.73
	Say				49.50

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.

1.17.12 3 x 2.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 3 = 151.5 + 7.58$ (Wastage @ 5%) = 159.08m	metre	159.08	17.63	2804.58
	Total cost of materials				2804.58
	Cartage @ 1% of cost of materials				28.05
	LABOUR				
1001	Wireman	day	0.75	301.00	225.75
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				3243.63
	Add 15% for Overheads & Profit				486.54
	TOTAL				3730.17
	Rate per Metre				74.60
	Say				74.50

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.

1.17.13 4 x 2.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 4 = 202 + 10.1$ (Wastage @ 5%) = 212.1m	metre	212.10	17.63	3739.32
	Total cost of materials				3739.32
	Cartage @ 1% of cost of materials				37.39
	LABOUR				
1001	Wireman	day	0.75	301.00	225.75
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				4187.71
	Add 15% for Overheads & Profit				628.16
	TOTAL				4815.87
	Rate per Metre				96.32
	Say				96.50

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.

1.17.14 5 x 2.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 5 = 252.5 + 12.63$ (Wastage @ 5%) = 265.13m	metre	265.13	17.63	4674.24
	Total cost of materials				4674.24
	Cartage @ 1% of cost of materials				46.74
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				5268.98
	Add 15% for Overheads & Profit				790.35
	TOTAL				6059.33
	Rate per Metre				121.19
	Say				121.00

CHAPTER 1 – WIRING

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.

1.17.15 6 x 2.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	17.63	5608.98
	Total cost of materials				5608.98
	Cartage @ 1% of cost of materials				56.09
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				6213.07
	Add 15% for Overheads & Profit				931.96
	TOTAL				7145.03
	Rate per Metre				142.90
	Say				143.00

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.

1.17.16 7 x 2.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 7 = 353.5 + 17.68$ (Wastage @ 5%) = 371.18m	metre	371.18	17.63	6543.90
	Total cost of materials				6543.90
	Cartage @ 1% of cost of materials				65.44
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	1.50	247.00	370.50
	TOTAL				7431.34
	Add 15% for Overheads & Profit				1114.70
	TOTAL				8546.04
	Rate per Metre				170.92
	Say				171.00

CHAPTER 1 – WIRING

- 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.
- 1.17.17 8 x 2.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 8 = 404 + 20.2$ (Wastage @ 5%) = 424.2m	metre	424.20	17.63	7478.65
	Total cost of materials				7478.65
	Cartage @ 1% of cost of materials				74.79
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	1.50	247.00	370.50
	TOTAL				8375.44
	Add 15% for Overheads & Profit				1256.32
	TOTAL				9631.76
	Rate per Metre				192.64
	Say				193.00

- 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.
- 1.17.18 9 x 2.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 9 = 454.5 + 22.73$ (Wastage @ 5%) = 477.23m	metre	477.23	17.63	8413.56
	Total cost of materials				8413.56
	Cartage @ 1% of cost of materials				84.14
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				9593.70
	Add 15% for Overheads & Profit				1439.06
	TOTAL				11032.76
	Rate per Metre				220.66
	Say				221.00

CHAPTER 1 – WIRING

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.

1.17.19 10 x 2.5 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 10 = 505 + 25.25$ (Wastage @ 5%) = 530.25m	metre	530.25	17.63	9348.31
	Total cost of materials				9348.31
	Cartage @ 1% of cost of materials				93.48
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				10537.79
	Add 15% for Overheads & Profit				1580.67
	TOTAL				12118.46
	Rate per Metre				242.37
	Say				242.00

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.

1.17.20 2 x 4 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 2 = 101 + 5.05$ (Wastage @ 5%) = 106.05m	metre	106.05	25.88	2744.57
	Total cost of materials				2744.57
	Cartage @ 1% of cost of materials				27.45
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				3320.02
	Add 15% for Overheads & Profit				498.00
	TOTAL				3818.02
	Rate per Metre				76.36
	Say				76.50

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.

1.17.21 3 x 4 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 3 = 151.5 + 7.58$ (Wastage @ 5%) = 159.08m	metre	159.08	25.88	4116.99
	Total cost of materials				4116.99
	Cartage @ 1% of cost of materials				41.17
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				4706.16
	Add 15% for Overheads & Profit				705.92
	TOTAL				5412.08
	Rate per Metre				108.24
	Say				108.00

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.

1.17.22 4 x 4 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 4 = 202 + 10.1$ (Wastage @ 5%) = 212.1m	metre	212.10	25.88	5489.15
	Total cost of materials				5489.15
	Cartage @ 1% of cost of materials				54.89
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				6092.04
	Add 15% for Overheads & Profit				913.81
	TOTAL				7005.85
	Rate per Metre				140.12
	Say				140.00

CHAPTER 1 – WIRING

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.

1.17.23 5 x 4 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 5 = 252.5 + 12.63$ (Wastage @ 5%) = 265.13m	metre	265.13	25.88	6861.56
	Total cost of materials				6861.56
	Cartage @ 1% of cost of materials				68.62
	LABOUR				
1001	Wireman	day	1.10	301.00	331.10
1007	Khallasi	day	1.10	247.00	271.70
	TOTAL				7532.98
	Add 15% for Overheads & Profit				1129.95
	TOTAL				8662.93
	Rate per Metre				173.26
	Say				173.00

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.

1.17.24 6 x 4 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	25.88	8233.72
	Total cost of materials				8233.72
	Cartage @ 1% of cost of materials				82.34
	LABOUR				
1001	Wireman	day	1.10	301.00	331.10
1007	Khallasi	day	1.10	247.00	271.70
	TOTAL				8918.86
	Add 15% for Overheads & Profit				1337.83
	TOTAL				10256.69
	Rate per Metre				205.13
	Say				205.00

CHAPTER 1 – WIRING

- 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.
- 1.17.25 7 x 4 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 7 = 353.5 + 17.68$ (Wastage @ 5%) = 371.18m	metre	371.18	25.88	9606.14
	Total cost of materials				9606.14
	Cartage @ 1% of cost of materials				96.06
	LABOUR				
1001	Wireman	day	1.15	301.00	346.15
1007	Khallasi	day	1.15	247.00	284.05
	TOTAL				10332.40
	Add 15% for Overheads & Profit				1549.86
	TOTAL				11882.26
	Rate per Metre				237.65
	Say				238.00

- 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.
- 1.17.26 8 x 4 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 8 = 404 + 20.2$ (Wastage @ 5%) = 424.2m	metre	424.20	25.88	10978.30
	Total cost of materials				10978.30
	Cartage @ 1% of cost of materials				109.78
	LABOUR				
1001	Wireman	day	1.15	301.00	346.15
1007	Khallasi	day	1.15	247.00	284.05
	TOTAL				11718.28
	Add 15% for Overheads & Profit				1757.74
	TOTAL				13476.02
	Rate per Metre				269.52
	Say				270.00

CHAPTER 1 – WIRING

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.

1.17.27 9 x 4 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 9 = 454.5 + 22.73$ (Wastage @ 5%) = 477.23m	metre	477.23	25.88	12350.71
	Total cost of materials				12350.71
	Cartage @ 1% of cost of materials				123.51
	LABOUR				
1001	Wireman	day	1.25	301.00	376.25
1007	Khallasi	day	1.25	247.00	308.75
	TOTAL				13159.22
	Add 15% for Overheads & Profit				1973.88
	TOTAL				15133.10
	Rate per Metre				302.66
	Say				303.00

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.

1.17.28 10 x 4 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 10 = 505 + 25.25$ (Wastage @ 5%) = 530.25m	metre	530.25	25.88	13722.87
	Total cost of materials				13722.87
	Cartage @ 1% of cost of materials				137.23
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				14956.10
	Add 15% for Overheads & Profit				2243.42
	TOTAL				17199.52
	Rate per Metre				343.99
	Say				344.00

CHAPTER 1 – WIRING

- 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.
- 1.17.29 2 x 6 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 2 = 101 + 5.05$ (Wastage @ 5%) = 106.05m	metre	106.05	35.84	3800.83
	Total cost of materials				3800.83
	Cartage @ 1% of cost of materials				38.01
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				4386.84
	Add 15% for Overheads & Profit				658.03
	TOTAL				5044.87
	Rate per Metre				100.90
	Say				101.00

- 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.
- 1.17.30 3 x 6 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 3 = 151.5 + 7.58$ (Wastage @ 5%) = 159.08m	metre	159.08	35.84	5701.43
	Total cost of materials				5701.43
	Cartage @ 1% of cost of materials				57.01
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				6306.44
	Add 15% for Overheads & Profit				945.97
	TOTAL				7252.41
	Rate per Metre				145.05
	Say				145.00

CHAPTER 1 – WIRING

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.

1.17.31 4 x 6 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 4 = 202 + 10.1$ (Wastage @ 5%) = 212.1m	metre	212.10	35.84	7601.66
	Total cost of materials				7601.66
	Cartage @ 1% of cost of materials				76.02
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	1.50	247.00	370.50
	TOTAL				8499.68
	Add 15% for Overheads & Profit				1274.95
	TOTAL				9774.63
	Rate per Metre				195.49
	Say				195.00

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.

1.17.32 5 x 6 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 5 = 252.5 + 12.63$ (Wastage @ 5%) = 265.13m	metre	265.13	35.84	9502.26
	Total cost of materials				9502.26
	Cartage @ 1% of cost of materials				95.02
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	1.50	247.00	370.50
	TOTAL				10419.28
	Add 15% for Overheads & Profit				1562.89
	TOTAL				11982.17
	Rate per Metre				239.64
	Say				240.00

CHAPTER 1 – WIRING

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.

1.17.33 6 x 6 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 6 = 303 + 15.15$ (Wastage @ 5%) = 318.15m	metre	318.15	35.84	11402.50
	Total cost of materials				11402.50
	Cartage @ 1% of cost of materials				114.03
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				12612.53
	Add 15% for Overheads & Profit				1891.88
	TOTAL				14504.41
	Rate per Metre				290.09
	Say				290.00

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.

1.17.34 7 x 6 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 7 = 353.5 + 17.68$ (Wastage @ 5%) = 371.18m	metre	371.18	35.84	13303.09
	Total cost of materials				13303.09
	Cartage @ 1% of cost of materials				133.03
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				14532.12
	Add 15% for Overheads & Profit				2179.82
	TOTAL				16711.94
	Rate per Metre				334.24
	Say				334.00

CHAPTER 1 – WIRING

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.

1.17.35 8 x 6 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 8 = 404 + 20.2$ (Wastage @ 5%) = 424.2m	metre	424.20	35.84	15203.33
	Total cost of materials				15203.33
	Cartage @ 1% of cost of materials				152.03
	LABOUR				
1001	Wireman	day	2.13	301.00	641.13
1007	Khallasi	day	2.13	247.00	526.11
	TOTAL				16522.60
	Add 15% for Overheads & Profit				2478.39
	TOTAL				19000.99
	Rate per Metre				380.02
	Say				380.00

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.

1.17.36 9 x 6 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core, copper conductor cable = $50.5 \times 9 = 454.5 + 22.73$ (Wastage @ 5%) = 477.23m	metre	477.23	35.84	17103.92
	Total cost of materials				17103.92
	Cartage @ 1% of cost of materials				171.04
	LABOUR				
1001	Wireman	day	2.13	301.00	641.13
1007	Khallasi	day	2.13	247.00	526.11
	TOTAL				18442.20
	Add 15% for Overheads & Profit				2766.33
	TOTAL				21208.53
	Rate per Metre				424.17
	Say				424.00

CHAPTER 1 – WIRING

- 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.
- 1.17.37 10 x 6 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = $50.5 \times 10 = 505 + 25.25$ (Wastage @ 5%) = 530.25m	metre	530.25	35.84	19004.16
	Total cost of materials				19004.16
	Cartage @ 1% of cost of materials				190.04
	LABOUR				
1001	Wireman	day	2.13	301.00	641.13
1007	Khallasi	day	2.13	247.00	526.11
	TOTAL				20361.44
	Add 15% for Overheads & Profit				3054.22
	TOTAL				23415.66
	Rate per Metre				468.31
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1111	1 pair, 0.5 sq. mm copper conductor, FR PVC insulated, unarmoured, telephone cable = $50.5 \times 1 = 50.5 + 2.53$ (Wastage @ 5%) = 53.03m	metre	53.03	3.78	200.45
	Total cost of materials				200.45
	Cartage @ 1% of cost of materials				2.00
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				476.45
	Add 15% for Overheads & Profit				71.47
	TOTAL				547.92
	Rate per Metre				10.96
	Say				11.00

CHAPTER 1 – WIRING

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.

1.18.2 2 Pair

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1112	2 pair, 0.5 sq. mm copper conductor, FR PVC insulated, unarmoured, telephone cable = $50.5 \times 1 = 50.5 + 2.53$ (Wastage @ 5%) = 53.03m	metre	53.03	7.56	400.91
	Total cost of materials				400.91
	Cartage @ 1% of cost of materials				4.01
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				678.92
	Add 15% for Overheads & Profit				101.84
	TOTAL				780.76
	Rate per Metre				15.62
	Say				15.50

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.

1.18.3 4 Pair

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1113	4 pair, 0.5 sq. mm copper conductor, FR PVC insulated, unarmoured, telephone cable = $50.5 \times 1 = 50.5 + 2.53$ (Wastage @ 5%) = 53.03m	metre	53.03	14.43	765.22
	Total cost of materials				765.22
	Cartage @ 1% of cost of materials				7.65
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				1046.87
	Add 15% for Overheads & Profit				157.03
	TOTAL				1203.90
	Rate per Metre				24.08
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
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 = $50.5 \times 1 = 50.5 + 2.53$ (Wastage @ 5%) = 53.03m	metre	53.03	12.73	675.07
	Total cost of materials				675.07
	Cartage @ 1% of cost of materials				6.75
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				955.82
	Add 15% for Overheads & Profit				143.37
	TOTAL				1099.19
	Rate per Metre				21.98
	Say				22.00

CHAPTER 1 – WIRING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1201	20 mm dia. ISI marked, steel conduit = 50.0 + 2.50 (Wastage @ 5%) = 52.50m	metre	52.50	60.38	3169.95
1206	20 mm inspection/ solid bends	each	4.00	14.28	57.12
1211	20 mm sockets	each	15.00	2.60	39.00
1218	20 mm iron staples/ saddles/ screws	each	85.00	1.68	142.80
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				3430.12
	Cartage @ 1% of cost of materials				34.30
	LABOUR				
1001	Wireman	day	2.25	301.00	677.25
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.50	273.00	136.50
1007	Khallasi	day	3.25	247.00	802.75
	TOTAL				5353.92
	Add 15% for Overheads & Profit				803.09
	TOTAL				6157.01
	Rate per Metre				123.14
	Say				123.00

- 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.

1.20.2 25 mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1202	25 mm dia. ISI marked, steel conduit = 50.0 + 2.50 (Wastage @ 5%) = 52.50m	metre	52.50	76.13	3996.83
1207	25 mm inspection/ solid bends	each	4.00	15.54	62.16
1212	25 mm sockets	each	15.00	3.02	45.30
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				4289.59
	Cartage @ 1% of cost of materials				42.90
	LABOUR				
1001	Wireman	day	2.25	301.00	677.25
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.50	273.00	136.50
1007	Khallasi	day	3.25	247.00	802.75
	TOTAL				6221.99
	Add 15% for Overheads & Profit				933.30
	TOTAL				7155.29
	Rate per Metre				143.11
	Say				143.00

CHAPTER 1 – WIRING

- 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.

1.20.3 32 mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1203	32 mm dia. ISI marked, steel conduit = 50.0 + 2.50 (Wastage @ 5%) = 52.50m	metre	52.50	115.50	6063.75
1208	32 mm inspection/ solid bends	each	4.00	24.15	96.60
1213	32 mm sockets	each	15.00	6.97	104.55
1220	32 mm iron staples/ saddles/ screws	each	85.00	2.94	249.90
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				6536.05
	Cartage @ 1% of cost of materials				65.36
	LABOUR				
1001	Wireman	day	2.25	301.00	677.25
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.50	273.00	136.50
1007	Khallasi	day	3.25	247.00	802.75
	TOTAL				8490.91
	Add 15% for Overheads & Profit				1273.64
	TOTAL				9764.55
	Rate per Metre				195.29
	Say				195.00

- 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.

1.20.4 40 mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1204	40 mm dia. ISI marked, steel conduit = 50.0 + 2.50 (Wastage @ 5%) = 52.50m	metre	52.50	186.38	9784.95
1209	40 mm inspection/ solid bends	each	4.00	38.64	154.56
1214	40 mm sockets	each	15.00	10.50	157.50
1221	40 mm iron staples/ saddles/ screws	each	85.00	3.95	335.75
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				10454.01
	Cartage @ 1% of cost of materials				104.54
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.60	273.00	163.80
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				12612.35
	Add 15% for Overheads & Profit				1891.85
	TOTAL				14504.20
	Rate per Metre				290.08
	Say				290.00

CHAPTER 1 – WIRING

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.

1.20.5 50 mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1205	50 mm dia. ISI marked, steel conduit = 50.0 + 2.50 (Wastage @ 5%) = 52.50m	metre	52.50	262.50	13781.25
1210	50 mm inspection/ solid bends	each	4.00	57.96	231.84
1215	50 mm sockets	each	15.00	18.82	282.30
1222	50 mm iron staples/ saddles/ screws	each	85.00	5.04	428.40
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				14745.04
	Cartage @ 1% of cost of materials				147.45
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1006	Painter	day	0.60	273.00	163.80
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				16946.29
	Add 15% for Overheads & Profit				2541.94
	TOTAL				19488.23
	Rate per Metre				389.76
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1224	20 mm dia. ISI marked, PVC conduit = 50.0 + 2.50 (Wastage @ 5%) = 52.50m	metre	52.50	14.14	742.35
1229	20 mm PVC bends	each	4.00	5.42	21.68
1234	20 mm PVC couplers	each	15.00	3.31	49.65
1218	20 mm iron staples/ saddles/ screws	each	85.00	1.68	142.80
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				977.73
	Cartage @ 1% of cost of materials				9.78
	LABOUR				
1001	Wireman	day	1.75	301.00	526.75
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	2.75	247.00	679.25
	TOTAL				2466.51
	Add 15% for Overheads & Profit				369.98
	TOTAL				2836.49
	Rate per Metre				56.73
	Say				56.50

- 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.
- 1.21.2 25 mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1225	25 mm dia. ISI marked, PVC conduit = 50.0 + 2.50 (Wastage @ 5%) = 52.50m	metre	52.50	19.44	1020.60
1230	25 mm PVC bends	each	4.00	7.37	29.48
1235	25 mm PVC couplers	each	15.00	5.04	75.60
1219	25 mm iron staples/ saddles/ screws	each	85.00	1.93	164.05
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				1310.98
	Cartage @ 1% of cost of materials				13.11
	LABOUR				
1001	Wireman	day	1.75	301.00	526.75
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	2.75	247.00	679.25
	TOTAL				2803.09
	Add 15% for Overheads & Profit				420.46
	TOTAL				3223.55
	Rate per Metre				64.47
	Say				64.50

- 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.

1.21.3 32 mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1226	32 mm dia. ISI marked, PVC conduit = 50.0 + 2.50 (Wastage @ 5%) = 52.50m	metre	52.50	29.77	1562.93
1231	32 mm PVC bends	each	4.00	12.66	50.64
1236	32 mm PVC couplers	each	15.00	8.19	122.85
1220	32 mm iron staples/ saddles/ screws	each	85.00	2.94	249.90
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				2007.57
	Cartage @ 1% of cost of materials				20.08
	LABOUR				
1001	Wireman	day	1.75	301.00	526.75
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	2.75	247.00	679.25
	TOTAL				3506.65
	Add 15% for Overheads & Profit				526.00
	TOTAL				4032.65
	Rate per Metre				80.65
	Say				80.50

CHAPTER 1 – WIRING

- 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.

1.21.4 40 mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1227	40 mm dia. ISI marked, PVC conduit = 50.0 + 2.50 (Wastage @ 5%) = 52.50m	metre	52.50	45.52	2389.80
1232	40 mm PVC bends	each	4.00	14.87	59.48
1237	40 mm PVC couplers	each	15.00	10.05	150.75
1221	40 mm iron staples/ saddles/ screws	each	85.00	3.95	335.75
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				2957.03
	Cartage @ 1% of cost of materials				29.57
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				4602.60
	Add 15% for Overheads & Profit				690.39
	TOTAL				5292.99
	Rate per Metre				105.86
	Say				106.00

- 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.

1.21.5 50 mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1228	50 mm dia. ISI marked, PVC conduit = 50.0 + 2.50 (Wastage @ 5%) = 52.50m	metre	52.50	66.15	3472.88
1233	50 mm PVC bends	each	4.00	29.64	118.56
1238	50 mm PVC couplers	each	15.00	12.54	188.10
1222	50 mm iron staples/ saddles/ screws	each	85.00	5.04	428.40
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				4229.19
	Cartage @ 1% of cost of materials				42.29
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				5887.48
	Add 15% for Overheads & Profit				883.12
	TOTAL				6770.60
	Rate per Metre				135.41
	Say				135.00

CHAPTER 1 – WIRING

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1306	75 mm X 75 mm X 60 mm deep metal box	each	1.00	18.11	18.11
1322	3 mm thick phenolic laminated sheet	sqcm	64.00	0.09	5.76
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	2.00	0.35	0.70
2920	Washers	each	2.00	0.15	0.30
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				29.37
	Cartage @ 1% of cost of materials				0.29
	LABOUR				
1001	Wireman	day	0.02	301.00	6.02
1010	Mason, Grade 2	day	0.04	273.00	10.92
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				62.79
	Add 15% for Overheads & Profit				9.42
	TOTAL				72.21
	Rate per Each				72.21
	Say				72.00

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.

1.22.2 100 mm X 100 mm X 60 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1307	100 mm X 100 mm X 60 mm deep metal box	each	1.00	25.20	25.20
1322	3 mm thick phenolic laminated sheet	sqcm	121.00	0.09	10.89
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	2.00	0.35	0.70
2920	Washers	each	2.00	0.15	0.30
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				41.59
	Cartage @ 1% of cost of materials				0.42
	LABOUR				
1001	Wireman	day	0.02	301.00	6.02
1010	Mason, Grade 2	day	0.04	273.00	10.92
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				75.14
	Add 15% for Overheads & Profit				11.27
	TOTAL				86.41
	Rate per Each				86.41
	Say				86.50

CHAPTER 1 – WIRING

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.

1.22.3 150 mm X 75 mm X 60 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1308	150 mm X 75 mm X 60 mm deep metal box	each	1.00	29.14	29.14
1322	3 mm thick phenolic laminated sheet	sqcm	136.00	0.09	12.24
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	2.00	0.35	0.70
2920	Washers	each	2.00	0.15	0.30
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				46.88
	Cartage @ 1% of cost of materials				0.47
	LABOUR				
1001	Wireman	day	0.02	301.00	6.02
1010	Mason, Grade 2	day	0.04	273.00	10.92
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				80.48
	Add 15% for Overheads & Profit				12.07
	TOTAL				92.55
	Rate per Each				92.55
	Say				92.50

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.

1.22.4 150 mm X 150 mm X 60 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1309	150 mm X 150 mm X 60 mm deep metal box	each	1.00	41.74	41.74
1322	3 mm thick phenolic laminated sheet	sqcm	256.00	0.09	23.04
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				71.78
	Cartage @ 1% of cost of materials				0.72
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.05	273.00	13.65
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.08	247.00	18.53
	TOTAL				113.57
	Add 15% for Overheads & Profit				17.03
	TOTAL				130.60
	Rate per Each				130.60
	Say				131.00

CHAPTER 1 – WIRING

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.

1.22.5 180 mm X 100 mm X 60 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1310	180 mm X 100 mm X 60 mm deep metal box	each	1.00	36.23	36.23
1322	3 mm thick phenolic laminated sheet	sqcm	205.00	0.09	18.45
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	2.00	0.35	0.70
2920	Washers	each	2.00	0.15	0.30
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				60.18
	Cartage @ 1% of cost of materials				0.60
	LABOUR				
1001	Wireman	day	0.02	301.00	6.02
1010	Mason, Grade 2	day	0.04	273.00	10.92
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				93.91
	Add 15% for Overheads & Profit				14.09
	TOTAL				108.00
	Rate per Each				108.00
	Say				108.00

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.

1.22.6 200 mm X 125 mm X 60 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1311	200 mm X 125 mm X 60 mm deep metal box	each	1.00	44.89	44.89
1322	3 mm thick phenolic laminated sheet	sqcm	284.00	0.09	25.56
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				77.45
	Cartage @ 1% of cost of materials				0.77
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.05	273.00	13.65
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.08	247.00	18.53
	TOTAL				119.29
	Add 15% for Overheads & Profit				17.89
	TOTAL				137.18
	Rate per Each				137.18
	Say				137.00

CHAPTER 1 – WIRING

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.

1.22.7 200 mm X 150 mm X 60 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1312	200 mm X 150 mm X 60 mm deep metal box	each	1.00	54.34	54.34
1322	3 mm thick phenolic laminated sheet	sqcm	336.00	0.09	30.24
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				91.58
	Cartage @ 1% of cost of materials				0.92
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.05	273.00	13.65
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.08	247.00	18.53
	TOTAL				133.57
	Add 15% for Overheads & Profit				20.03
	TOTAL				153.60
	Rate per Each				153.60
	Say				154.00

- 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.
- 1.22.8 200 mm X 150 mm X 75 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1316	200 mm X 150 mm X 75 mm deep metal box	each	1.00	58.28	58.28
1322	3 mm thick phenolic laminated sheet	sqcm	336.00	0.09	30.24
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				95.52
	Cartage @ 1% of cost of materials				0.96
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.05	273.00	13.65
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.08	247.00	18.53
	TOTAL				137.55
	Add 15% for Overheads & Profit				20.63
	TOTAL				158.18
	Rate per Each				158.18
	Say				158.00

CHAPTER 1 – WIRING

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.

1.22.9 200 mm X 250 mm X 60 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1313	200 mm X 250 mm X 60 mm deep metal box	each	1.00	74.81	74.81
1322	3 mm thick phenolic laminated sheet	sqcm	557.00	0.09	50.13
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	2.00	4.00	8.00
	Total cost of materials				135.94
	Cartage @ 1% of cost of materials				1.36
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.06	273.00	16.38
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.09	247.00	21.00
	TOTAL				183.57
	Add 15% for Overheads & Profit				27.53
	TOTAL				211.10
	Rate per Each				211.10
	Say				211.00

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.

1.22.10 200 mm X 250 mm X 75 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1317	200 mm X 250 mm X 75 mm deep metal box	each	1.00	81.11	81.11
1322	3 mm thick phenolic laminated sheet	sqcm	557.00	0.09	50.13
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	2.00	4.00	8.00
	Total cost of materials				142.24
	Cartage @ 1% of cost of materials				1.42
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.06	273.00	16.38
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.09	247.00	21.00
	TOTAL				189.93
	Add 15% for Overheads & Profit				28.49
	TOTAL				218.42
	Rate per Each				218.42
	Say				218.00

CHAPTER 1 – WIRING

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.

1.22.11 200 mm X 150 mm X 100 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1318	200 mm X 150 mm X 100 mm deep metal box	each	1.00	67.73	67.73
1322	3 mm thick phenolic laminated sheet	sqcm	336.00	0.09	30.24
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	2.00	4.00	8.00
	Total cost of materials				108.97
	Cartage @ 1% of cost of materials				1.09
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.06	273.00	16.38
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.09	247.00	21.00
	TOTAL				156.33
	Add 15% for Overheads & Profit				23.45
	TOTAL				179.78
	Rate per Each				179.78
	Say				180.00

- 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.
- 1.22.12 200 mm X 250 mm X 100 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1319	200 mm X 250 mm X 100 mm deep metal box	each	1.00	99.23	99.23
1322	3 mm thick phenolic laminated sheet	sqcm	557.00	0.09	50.13
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	2.00	4.00	8.00
	Total cost of materials				160.36
	Cartage @ 1% of cost of materials				1.60
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.06	273.00	16.38
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.09	247.00	21.00
	TOTAL				208.23
	Add 15% for Overheads & Profit				31.23
	TOTAL				239.46
	Rate per Each				239.46
	Say				239.00

CHAPTER 1 – WIRING

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.

1.22.13 200 mm X 300 mm X 60 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1314	200 mm X 300 mm X 60 mm deep metal box	each	1.00	106.43	106.43
1322	3 mm thick phenolic laminated sheet	sqcm	662.00	0.09	59.58
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	2.00	4.00	8.00
	Total cost of materials				177.01
	Cartage @ 1% of cost of materials				1.77
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.06	273.00	16.38
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.09	247.00	21.00
	TOTAL				225.05
	Add 15% for Overheads & Profit				33.76
	TOTAL				258.81
	Rate per Each				258.81
	Say				259.00

- 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.
- 1.22.14 200 mm X 300 mm X 100 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1320	200 mm X 300 mm X 100 mm deep metal box	each	1.00	113.40	113.40
1322	3 mm thick phenolic laminated sheet	sqcm	662.00	0.09	59.58
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	2.00	4.00	8.00
	Total cost of materials				183.98
	Cartage @ 1% of cost of materials				1.84
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.06	273.00	16.38
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.09	247.00	21.00
	TOTAL				232.09
	Add 15% for Overheads & Profit				34.81
	TOTAL				266.90
	Rate per Each				266.90
	Say				267.00

CHAPTER 1 – WIRING

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.

1.22.15 250 mm X 300 mm X 60 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1315	250 mm X 300 mm X 60 mm deep metal box	each	1.00	113.85	113.85
1322	3 mm thick phenolic laminated sheet	sqcm	835.00	0.09	75.15
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	2.00	4.00	8.00
	Total cost of materials				200.00
	Cartage @ 1% of cost of materials				2.00
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.06	273.00	16.38
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.09	247.00	21.00
	TOTAL				248.27
	Add 15% for Overheads & Profit				37.24
	TOTAL				285.51
	Rate per Each				285.51
	Say				286.00

CHAPTER 1 – WIRING

- 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.

1.22.16 250 mm X 300 mm X 100 mm deep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1321	250 mm X 300 mm X 100 mm deep metal box	each	1.00	134.89	134.89
1322	3 mm thick phenolic laminated sheet	sqcm	835.00	0.09	75.15
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	2.00	4.00	8.00
	Total cost of materials				221.04
	Cartage @ 1% of cost of materials				2.21
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1010	Mason, Grade 2	day	0.06	273.00	16.38
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.09	247.00	21.00
	TOTAL				269.52
	Add 15% for Overheads & Profit				40.43
	TOTAL				309.95
	Rate per Each				309.95
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1431	S.P. 5/6 amps, one way switch, piano type ISI marked	each	1.00	9.00	9.00
	Total cost of materials				9.00
	Cartage @ 1% of cost of materials				0.09
	LABOUR				
1001	Wireman	day	0.03	301.00	9.03
1007	Khallasi	day	0.03	247.00	7.41
	TOTAL				25.53
	Add 15% for Overheads & Profit				3.83
	TOTAL				29.36
	Rate per Each				29.36
	Say				29.50

CHAPTER 1 – WIRING

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

1.23.2 2 way 5/6 amps switch

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1432	S.P. 5/6 amps, two way switch, piano type ISI marked	each	1.00	14.40	14.40
	Total cost of materials				14.40
	Cartage @ 1% of cost of materials				0.14
	LABOUR				
1001	Wireman	day	0.03	301.00	9.03
1007	Khallasi	day	0.03	247.00	7.41
	TOTAL				30.98
	Add 15% for Overheads & Profit				4.65
	TOTAL				35.63
	Rate per Each				35.63
	Say				35.50

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

1.23.3 15/16 amp switch

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1433	S.P. 15/16 amps, one way switch, piano type ISI marked	each	1.00	31.05	31.05
	Total cost of materials				31.05
	Cartage @ 1% of cost of materials				0.31
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				53.28
	Add 15% for Overheads & Profit				7.99
	TOTAL				61.27
	Rate per Each				61.27
	Say				61.50

CHAPTER 1 – WIRING

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

1.23.4 3 pin 5/6 amp socket outlet

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1434	3 pin 5/6 amps socket outlet, piano type ISI marked	each	1.00	14.40	14.40
	Total cost of materials				14.40
	Cartage @ 1% of cost of materials				0.14
	LABOUR				
1001	Wireman	day	0.03	301.00	9.03
1007	Khallasi	day	0.03	247.00	7.41
	TOTAL				30.98
	Add 15% for Overheads & Profit				4.65
	TOTAL				35.63
	Rate per Each				35.63
	Say				35.50

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

1.23.5 6 pin 15/16 amp socket outlet

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1435	6 pin 15/16 & 5/6 amps socket outlet, piano type ISI marked	each	1.00	40.95	40.95
	Total cost of materials				40.95
	Cartage @ 1% of cost of materials				0.41
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				63.28
	Add 15% for Overheads & Profit				9.49
	TOTAL				72.77
	Rate per Each				72.77
	Say				73.00

CHAPTER 1 – WIRING

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

1.23.6 Telephone socket outlet

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1437	Telephone Socket outlet piano type	each	1.00	20.03	20.03
	Total cost of materials				20.03
	Cartage @ 1% of cost of materials				0.20
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				42.15
	Add 15% for Overheads & Profit				6.32
	TOTAL				48.47
	Rate per Each				48.47
	Say				48.50

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

1.23.7 TV antenna socket outlet

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1438	T.V. Socket outlet piano type	each	1.00	12.60	12.60
	Total cost of materials				12.60
	Cartage @ 1% of cost of materials				0.13
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				34.65
	Add 15% for Overheads & Profit				5.20
	TOTAL				39.85
	Rate per Each				39.85
	Say				40.00

CHAPTER 1 – WIRING

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

1.23.8 Bell push

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1436	Bell push, piano type	each	1.00	9.90	9.90
	Total cost of materials				9.90
	Cartage @ 1% of cost of materials				0.10
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				31.92
	Add 15% for Overheads & Profit				4.79
	TOTAL				36.71
	Rate per Each				36.71
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1402	S.P. 5/6 amps, one way modular switch, ISI marked	each	1.00	42.75	42.75
	Total cost of materials				42.75
	Cartage @ 1% of cost of materials				0.43
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				65.10
	Add 15% for Overheads & Profit				9.77
	TOTAL				74.87
	Rate per Each				74.87
	Say				75.00

CHAPTER 1 – WIRING

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.

1.24.2 2 way 5/6 amps switch

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1403	S.P. 5/6 amps, two way modular switch, ISI marked	each	1.00	63.00	63.00
	Total cost of materials				63.00
	Cartage @ 1% of cost of materials				0.63
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				85.55
	Add 15% for Overheads & Profit				12.83
	TOTAL				98.38
	Rate per Each				98.38
	Say				98.50

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.

1.24.3 15/16 amp switch

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1404	S.P. 15/16 amps, one way modular switch, ISI marked	each	1.00	72.00	72.00
	Total cost of materials				72.00
	Cartage @ 1% of cost of materials				0.72
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				94.64
	Add 15% for Overheads & Profit				14.20
	TOTAL				108.84
	Rate per Each				108.84
	Say				109.00

CHAPTER 1 – WIRING

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.

1.24.4 3 pin 5/6 amp socket outlet

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1405	3 pin 5/6 amps modular socket outlet, ISI marked	each	1.00	66.38	66.38
	Total cost of materials				66.38
	Cartage @ 1% of cost of materials				0.66
	LABOUR				
1001	Wireman	day	0.03	301.00	9.03
1007	Khallasi	day	0.03	247.00	7.41
	TOTAL				83.48
	Add 15% for Overheads & Profit				12.52
	TOTAL				96.00
	Rate per Each				96.00
	Say				96.00

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.

1.24.5 6 pin 15/16 amp socket outlet

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1406	6 pin 15/16 amps modular socket outlet, ISI marked	each	1.00	104.63	104.63
	Total cost of materials				104.63
	Cartage @ 1% of cost of materials				1.05
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				127.60
	Add 15% for Overheads & Profit				19.14
	TOTAL				146.74
	Rate per Each				146.74
	Say				147.00

CHAPTER 1 – WIRING

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.

1.24.6 Telephone socket outlet

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1409	Telephone Socket outlet modular type	each	1.00	55.13	55.13
	Total cost of materials				55.13
	Cartage @ 1% of cost of materials				0.55
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				77.60
	Add 15% for Overheads & Profit				11.64
	TOTAL				89.24
	Rate per Each				89.24
	Say				89.00

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.

1.24.7 TV antenna socket outlet

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1410	T.V. Socket outlet modular type	each	1.00	58.50	58.50
	Total cost of materials				58.50
	Cartage @ 1% of cost of materials				0.59
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				81.01
	Add 15% for Overheads & Profit				12.15
	TOTAL				93.16
	Rate per Each				93.16
	Say				93.00

CHAPTER 1 – WIRING

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.

1.24.8 Bell push

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1407	Modular bell push, ISI marked	each	1.00	63.00	63.00
	Total cost of materials				63.00
	Cartage @ 1% of cost of materials				0.63
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				85.55
	Add 15% for Overheads & Profit				12.83
	TOTAL				98.38
	Rate per Each				98.38
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1408	Stepped type Modular Fan regulator (2 module)	each	1.00	255.38	255.38
	Total cost of materials				255.38
	Cartage @ 1% of cost of materials				2.55
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				279.85
	Add 15% for Overheads & Profit				41.98
	TOTAL				321.83
	Rate per Each				321.83
	Say				322.00

CHAPTER 1 – WIRING

1.26 Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1411	Modular blanking plate	each	1.00	13.50	13.50
	Total cost of materials				13.50
	Cartage @ 1% of cost of materials				0.14
	LABOUR				
1001	Wireman	day	0.01	301.00	3.01
1007	Khallasi	day	0.01	247.00	2.47
	TOTAL				19.12
	Add 15% for Overheads & Profit				2.87
	TOTAL				21.99
	Rate per Each				21.99
	Say				22.00

1.27 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.

1.27.1 1 or 2 Module (75mmX75mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1300	Modular GI box for 2 module	each	1.00	32.63	32.63
1421	Modular base & cover plate for 2 module	each	1.00	32.63	32.63
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				69.76
	Cartage @ 1% of cost of materials				0.70
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1010	Mason, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				123.58
	Add 15% for Overheads & Profit				18.54
	TOTAL				142.12
	Rate per Each				142.12
	Say				142.00

CHAPTER 1 – WIRING

- 1.27 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.
 1.27.2 3 Module (100mmX75mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1301	Modular GI box for 3 module	each	1.00	32.63	32.63
1422	Modular base & cover plate for 3 module	each	1.00	42.75	42.75
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				79.88
	Cartage @ 1% of cost of materials				0.80
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1010	Mason, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				133.80
	Add 15% for Overheads & Profit				20.07
	TOTAL				153.87
	Rate per Each				153.87
	Say				154.00

- 1.27 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.
 1.27.3 4 Module (125mmX75mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1302	Modular GI box for 4 module	each	1.00	43.88	43.88
1423	Modular base & cover plate for 4 module	each	1.00	48.38	48.38
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				96.76
	Cartage @ 1% of cost of materials				0.97
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1010	Mason, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				150.85
	Add 15% for Overheads & Profit				22.63
	TOTAL				173.48
	Rate per Each				173.48
	Say				173.00

CHAPTER 1 – WIRING

1.27 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.

1.27.4 6 Module (200mmX75mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1303	Modular GI box for 6 module	each	1.00	69.75	69.75
1424	Modular base & cover plate for 6 module	each	1.00	63.00	63.00
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				137.25
	Cartage @ 1% of cost of materials				1.37
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1010	Mason, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				191.74
	Add 15% for Overheads & Profit				28.76
	TOTAL				220.50
	Rate per Each				220.50
	Say				221.00

1.27 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.

1.27.5 8 Module (125mmX125mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1304	Modular GI box for 8 module	each	1.00	79.88	79.88
1425	Modular base & cover plate for 8 module	each	1.00	82.13	82.13
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				167.01
	Cartage @ 1% of cost of materials				1.67
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1010	Mason, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				221.80
	Add 15% for Overheads & Profit				33.27
	TOTAL				255.07
	Rate per Each				255.07
	Say				255.00

1.27 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.

1.27.6 12 Module (200mmX150mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1305	Modular GI box for 12 module	each	1.00	120.38	120.38
1426	Modular base & cover plate for 12 module	each	1.00	118.13	118.13
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				243.51
	Cartage @ 1% of cost of materials				2.44
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1010	Mason, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				299.07
	Add 15% for Overheads & Profit				44.86
	TOTAL				343.93
	Rate per Each				343.93
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1420	Modular base & cover plate for 1 module	each	1.00	32.63	32.63
	Total cost of materials				32.63
	Cartage @ 1% of cost of materials				0.33
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				54.88
	Add 15% for Overheads & Profit				8.23
	TOTAL				63.11
	Rate per Each				63.11
	Say				63.00

CHAPTER 1 – WIRING

1.28 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.

1.28.2 3 Module

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1422	Modular base & cover plate for 3 module	each	1.00	42.75	42.75
	Total cost of materials				42.75
	Cartage @ 1% of cost of materials				0.43
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				65.10
	Add 15% for Overheads & Profit				9.77
	TOTAL				74.87
	Rate per Each				74.87
	Say				75.00

1.28 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.

1.28.3 4 Module

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1423	Modular base & cover plate for 4 module	each	1.00	48.38	48.38
	Total cost of materials				48.38
	Cartage @ 1% of cost of materials				0.48
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				70.78
	Add 15% for Overheads & Profit				10.62
	TOTAL				81.40
	Rate per Each				81.40
	Say				81.50

CHAPTER 1 – WIRING

1.28 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.

1.28.4 6 Module

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1424	Modular base & cover plate for 6 module	each	1.00	63.00	63.00
	Total cost of materials				63.00
	Cartage @ 1% of cost of materials				0.63
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				85.55
	Add 15% for Overheads & Profit				12.83
	TOTAL				98.38
	Rate per Each				98.38
	Say				98.50

1.28 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.

1.28.5 8 Module

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1425	Modular base & cover plate for 8 module	each	1.00	82.13	82.13
	Total cost of materials				82.13
	Cartage @ 1% of cost of materials				0.82
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				104.87
	Add 15% for Overheads & Profit				15.73
	TOTAL				120.60
	Rate per Each				120.60
	Say				121.00

CHAPTER 1 – WIRING

1.28 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.

1.28.6 12 Module

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1426	Modular base & cover plate for 12 module	each	1.00	118.13	118.13
	Total cost of materials				118.13
	Cartage @ 1% of cost of materials				1.18
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				141.23
	Add 15% for Overheads & Profit				21.18
	TOTAL				162.41
	Rate per Each				162.41
	Say				162.00

CHAPTER 1 – WIRING

- 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).

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	MATERIAL				
1308	150 mm X 75 mm X 60 mm deep metal box	each	1.00	29.14	29.14
1322	3 mm thick phenolic laminated sheet	sqcm	136.00	0.09	12.24
1434	3 pin 5/6 amps socket outlet, piano type ISI marked	each	1.00	14.40	14.40
1431	S.P. 5/6 amps, one way switch, piano type ISI marked	each	1.00	9.00	9.00
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				71.28
	Cartage @ 1% of cost of materials				0.71
	LABOUR				
1001	Wireman	day	0.07	301.00	21.07
1010	Mason, Grade 2	day	0.04	273.00	10.92
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.11	247.00	27.17
	TOTAL				132.52
	Add 15% for Overheads & Profit				19.88
	TOTAL				152.40
	Rate per Set				152.40
	Say				152.00

CHAPTER 1 – WIRING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	MATERIAL				
1310	180 mm X 100 mm X 60 mm deep metal box	each	1.00	36.23	36.23
1322	3 mm thick phenolic laminated sheet	sqcm	209.00	0.09	18.81
1435	6 pin 15/16 & 5/6 amps socket outlet, piano type ISI marked	each	1.00	40.95	40.95
1433	S.P. 15/16 amps, one way switch, piano type ISI marked	each	1.00	31.05	31.05
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	4.00	0.35	1.40
2920	Washers	each	4.00	0.15	0.60
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				133.54
	Cartage @ 1% of cost of materials				1.34
	LABOUR				
1001	Wireman	day	0.07	301.00	21.07
1010	Mason, Grade 2	day	0.04	273.00	10.92
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.11	247.00	27.17
	TOTAL				195.41
	Add 15% for Overheads & Profit				29.31
	TOTAL				224.72
	Rate per Set				224.72
	Say				225.00

CHAPTER 1 – WIRING

- 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).

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1301	Modular GI box for 3 module	each	1.00	32.63	32.63
1405	3 pin 5/6 amps modular socket outlet, ISI marked	each	1.00	66.38	66.38
1402	S.P. 5/6 amps, one way modular switch, ISI marked	each	1.00	42.75	42.75
1422	Modular base & cover plate for 3 module	each	1.00	42.75	42.75
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				189.01
	Cartage @ 1% of cost of materials				1.89
	LABOUR				
1001	Wireman	day	0.07	301.00	21.07
1010	Mason, Grade 2	day	0.04	273.00	10.92
1007	Khallasi	day	0.11	247.00	27.17
	TOTAL				250.06
	Add 15% for Overheads & Profit				37.51
	TOTAL				287.57
	Rate per Each				287.57
	Say				288.00

CHAPTER 1 – WIRING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1301	Modular GI box for 3 module	each	1.00	32.63	32.63
1406	6 pin 15/16 amps modular socket outlet, ISI marked	each	1.00	104.63	104.63
1404	S.P. 15/16 amps, one way modular switch, ISI marked	each	1.00	72.00	72.00
1422	Modular base & cover plate for 3 module	each	1.00	42.75	42.75
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				256.51
	Cartage @ 1% of cost of materials				2.57
	LABOUR				
1001	Wireman	day	0.07	301.00	21.07
1010	Mason, Grade 2	day	0.04	273.00	10.92
1007	Khallasi	day	0.11	247.00	27.17
	TOTAL				318.24
	Add 15% for Overheads & Profit				47.74
	TOTAL				365.98
	Rate per Each				365.98
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1401	Ceiling rose, 3 pin, 5 amps ISI marked	each	1.00	12.38	12.38
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	2.00	0.35	0.70
	Total cost of materials				13.08
	Cartage @ 1% of cost of materials				0.13
	LABOUR				
1001	Wireman	day	0.03	301.00	9.03
1007	Khallasi	day	0.03	247.00	7.41
	TOTAL				29.65
	Add 15% for Overheads & Profit				4.45
	TOTAL				34.10
	Rate per Each				34.10
	Say				34.00

1.34 Supplying and fixing brass batten/ angle holder including connection etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1442	Brass batten/ angle holder	each	1.00	31.56	31.56
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	3.00	0.35	1.05
	Total cost of materials				32.61
	Cartage @ 1% of cost of materials				0.33
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				54.86
	Add 15% for Overheads & Profit				8.23
	TOTAL				63.09
	Rate per Each				63.09
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	3.00	0.35	1.05
	Total cost of materials				1.05
	Cartage @ 1% of cost of materials				0.01
	LABOUR				
1001	Wireman	day	0.06	301.00	18.06
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				33.94
	Add 15% for Overheads & Profit				5.09
	TOTAL				39.03
	Rate per Each				39.03
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1201	20 mm dia. ISI marked, steel conduit = 0.30 + 0.02 (Wastage @5%) = 0.32m	metre	0.32	60.38	19.32
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = 0.75 + 0.04 (Wastage @5%) = 0.79m	metre	0.79	10.95	8.65
2908	Brass nipple	each	1.00	5.75	5.75
2928	Back plate	each	1.00	5.00	5.00
1443	Brass bracket holder 16 mm	each	1.00	31.56	31.56
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	3.00	0.35	1.05
2944	Paint	litre	0.01	135.00	1.35
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
	Total cost of materials				73.18
	Cartage @ 1% of cost of materials				0.73
	LABOUR				
1001	Wireman	day	0.06	301.00	18.06
1006	Painter	day	0.04	273.00	10.92
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				117.71
	Add 15% for Overheads & Profit				17.66
	TOTAL				135.37
	Rate per Each				135.37
	Say				135.00

CHAPTER 1 – WIRING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1201	20 mm dia. ISI marked, steel conduit = 0.60 + 0.03 (Wastage @5%) = 0.63m	metre	0.63	60.38	38.04
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = 1.35 + 0.07 (Wastage @5%) = 1.42m	metre	1.42	10.95	15.55
2908	Brass nipple	each	1.00	5.75	5.75
2928	Back plate	each	1.00	5.00	5.00
1443	Brass bracket holder 16 mm	each	1.00	31.56	31.56
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	3.00	0.35	1.05
2944	Paint	litre	0.02	135.00	2.70
2857	PVC fastener 40mm long	each	2.00	0.25	0.50
	Total cost of materials				100.15
	Cartage @ 1% of cost of materials				1.00
	LABOUR				
1001	Wireman	day	0.06	301.00	18.06
1006	Painter	day	0.04	273.00	10.92
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				144.95
	Add 15% for Overheads & Profit				21.74
	TOTAL				166.69
	Rate per Each				166.69
	Say				167.00

CHAPTER 1 – WIRING

1.38 Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1444	Call bell/ buzzer, single phase	each	1.00	35.38	35.38
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	2.00	0.35	0.70
	Total cost of materials				36.08
	Cartage @ 1% of cost of materials				0.36
	LABOUR				
1001	Wireman	day	0.02	301.00	6.02
1007	Khallasi	day	0.02	247.00	4.94
	TOTAL				47.40
	Add 15% for Overheads & Profit				7.11
	TOTAL				54.51
	Rate per Each				54.51
	Say				54.50

1.39 Providing and fixing plain 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1108	16/0.20 mm (0.5 sqmm) twin core FR PVC sheathed, flat flexible copper cable	metre	53.03	11.47	608.25
	Total cost of materials				608.25
	Cartage @ 1% of cost of materials				6.08
	LABOUR				
1001	Wireman	day	0.40	301.00	120.40
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				833.53
	Add 15% for Overheads & Profit				125.03
	Cost for 50 Metre				958.56
	Rate per Metre				19.17
	Say				19.00

- 1.40 Providing and fixing plain 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
1109	16/0.20 mm (0.5 sqmm) twin circular, PVC sheathed, workshop flexible copper cable	metre	53.03	11.47	608.25
2858	PVC clip for fixing cable	each	100.00	0.10	10.00
	Total cost of materials				618.25
	Cartage @ 1% of cost of materials				6.18
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				761.43
	Add 15% for Overheads & Profit				114.21
	Cost for 50 Metre				875.64
	Rate per Metre				17.51
	Say				17.50

- 1.41 Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = 0.30 + 0.02 (Wastage @5%) = 0.32m	metre	0.32	10.95	3.50
2852	Iron screws, 35 mm X 6 mm	each	2.00	0.85	1.70
2857	PVC fastener 40mm long	each	1.00	0.25	0.25
	Total cost of materials				5.45
	Cartage @ 1% of cost of materials				0.05
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				60.30
	Add 15% for Overheads & Profit				9.05
	TOTAL				69.35
	Rate per Each				69.35
	Say				69.50

CHAPTER 1 – WIRING

- 1.42 Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = 0.90 + 0.05 (Wastage @5%) = 0.95m	metre	0.95	10.95	10.40
1201	20 mm dia. ISI marked, steel conduit = 0.60 + 0.03 (Wastage @5%) = 0.63m	metre	0.63	60.38	38.04
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	6.00	0.35	2.10
2927	Ball and socket	each	2.00	13.00	26.00
2929	Check nut 20mm	each	4.00	2.65	10.60
2859	Rubber/ PVC bushes	each	1.00	0.50	0.50
2944	Paint	litre	0.02	135.00	2.70
2857	PVC fastener 40mm long	each	6.00	0.25	1.50
	Total cost of materials				91.84
	Cartage @ 1% of cost of materials				0.92
	LABOUR				
1001	Wireman	day	0.13	301.00	37.63
1006	Painter	day	0.03	273.00	8.19
1007	Khallasi	day	0.13	247.00	30.88
	TOTAL				169.45
	Add 15% for Overheads & Profit				25.42
	TOTAL				194.87
	Rate per Each				194.87
	Say				195.00

CHAPTER 1 – WIRING

- 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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1201	20 mm dia. ISI marked, steel conduit	metre	0.20	60.38	12.08
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	metre	0.20	10.95	2.19
2944	Paint	letre	0.01	135.00	1.35
	Total cost of materials				15.62
	Cartage @ 1% of cost of materials				0.16
	LABOUR				
1001	Wireman	day	0.01	301.00	4.21
1006	Painter	day	0.01	273.00	1.37
1007	Khallasi	day	0.01	247.00	3.46
	TOTAL				24.82
	Add 15% for Overheads & Profit				3.72
	TOTAL				28.54
	Rate per Each				28.54
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Nos fans				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = 8.0 + 0.40 (Wastage @5%) = 8.40m	metre	8.40	10.95	91.98
	Total cost of materials				91.98
	Cartage @ 1% of cost of materials				0.92
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				640.90
	Add 15% for Overheads & Profit				96.14
	Cost for 10 Fans				737.04
	Rate per Fan				73.70
	Say				73.50

CHAPTER 1 – WIRING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Nos fans				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = 8.0 + 0.40 (Wastage @ 5%) = 8.40m	metre	8.40	10.95	91.98
1322	3 mm thick phenolic laminated sheet	sqcm	2312.00	0.09	208.08
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	16.00	0.35	5.60
2920	Washers	each	16.00	0.15	2.40
	Total cost of materials				308.06
	Cartage @ 1% of cost of materials				3.08
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				859.14
	Add 15% for Overheads & Profit				128.87
	Cost for 10 Fans				988.01
	Rate per Fan				98.80
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Fans regulator				
	MATERIAL				
1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable = 3x0.25x8 = 6.0 + 0.30 (Wastage @ 5%) = 6.30m	metre	6.30	10.95	68.99
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	32.00	0.35	11.20
	Total cost of materials				80.19
	Cartage @ 1% of cost of materials				0.80
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				354.99
	Add 15% for Overheads & Profit				53.25
	Cost for 10 Fans regulator				408.24
	Rate per Fan regulator				40.82
	Say				41.00

CHAPTER 1 – WIRING

- 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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
2827	15 mm dia. G.I. pipe, heavy class = 0.10 + 0.005 (Wastage @ 5%) = 0.105m	metre	0.11	93.18	9.78
2944	Paint	letre	0.01	135.00	1.35
	Total cost of materials				11.13
	Cartage @ 1% of cost of materials				0.11
	LABOUR				
1001	Wireman	day	0.01	301.00	2.11
1006	Painter	day	0.01	273.00	1.91
1007	Khallasi	day	0.01	247.00	1.73
	TOTAL				16.99
	Add 15% for Overheads & Profit				2.55
	TOTAL				19.54
	Rate per Each				19.54
	Say				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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
2828	20 mm dia. G.I. pipe, heavy class = 0.10 + 0.005 (Wastage @ 5%) = 0.105m	metre	0.11	120.53	12.66
2944	Paint	letre	0.01	135.00	1.35
	Total cost of materials				14.01
	Cartage @ 1% of cost of materials				0.14
	LABOUR				
1001	Wireman	day	0.01	301.00	2.11
1006	Painter	day	0.01	273.00	1.91
1007	Khallasi	day	0.01	247.00	1.73
	TOTAL				19.90
	Add 15% for Overheads & Profit				2.98
	TOTAL				22.88
	Rate per Each				22.88
	Say				23.00

CHAPTER 1 – WIRING

1.49 Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Fans				
	MATERIAL				
2944	Paint	litre	1.00	135.00	135.00
	Total cost of materials				135.00
	Cartage @ 1% of cost of materials				1.35
	LABOUR				
1006	Painter	day	3.00	273.00	819.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				1696.35
	Add 15% for Overheads & Profit				254.45
	Cost for 100 Fans				1950.80
	Rate per Each				19.51
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
1108	13/0.20 mm twin core PVC sheathed, flat flexible copper cable	metre	1.00	11.47	11.47
	Total cost of materials				31.47
	Cartage @ 1% of cost of materials				0.31
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				141.38
	Add 15% for Overheads & Profit				21.21
	TOTAL				162.59
	Rate per Each				162.59
	Say				163.00

CHAPTER 1 – WIRING

1.50 Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.

1.50.2 510 mm sweep

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
1108	13/0.20 mm twin core PVC sheathed, flat flexible copper cable	metre	1.00	11.47	11.47
	Total cost of materials				31.47
	Cartage @ 1% of cost of materials				0.31
	LABOUR				
1001	Wireman	day	0.30	301.00	90.30
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				196.18
	Add 15% for Overheads & Profit				29.43
	TOTAL				225.61
	Rate per Each				225.61
	Say				226.00

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
2853	Iron screws, 40 mm X 6 mm	each	4.00	0.90	3.60
2857	PVC fastener 40mm long	each	4.00	0.25	1.00
	Total cost of materials				4.60
	Cartage @ 1% of cost of materials				0.05
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				59.45
	Add 15% for Overheads & Profit				8.92
	TOTAL				68.37
	Rate per Each				68.37
	Say				68.50

CHAPTER 1 – WIRING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Fans				
	MATERIAL				
2944	Paint	litre	2.70	135.00	364.50
2939	Cleaning materials like soap/ detergent	kg	1.00	40.00	40.00
2938	Cotton waste, cleaning cloth etc.	kg	2.00	35.00	70.00
	Total cost of materials				474.50
	Cartage @ 1% of cost of materials				4.75
	LABOUR				
1006	Painter	day	3.00	273.00	819.00
1007	Khallasi	day	3.00	247.00	741.00
1082	Hire charges for compressor and spray gun	day	3.00	250.00	750.00
	TOTAL				2789.25
	Add 15% for Overheads & Profit				418.39
	Cost for 50 Fans				3207.64
	Rate per Each				64.15
	Say				64.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1601	32 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	1.00	1131.90	1131.90
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
2934	Earthing thimbles and solder	L.S.	1.00	10.50	10.50
	Total cost of materials				1154.92
	Cartage @ 1% of cost of materials				11.55
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1221.27
	Add 15% for Overheads & Profit				183.19
	TOTAL				1404.46
	Rate per Each				1404.46
	Say				1404.00

- 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.

2.1.2 63 Amp TP&N

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1602	63 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	1.00	1558.20	1558.20
2863	38mm X 10mm bolts & nuts	each	4.00	5.67	22.68
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
2934	Earthing thimbles and solder	L.S.	1.00	10.50	10.50
	Total cost of materials				1593.38
	Cartage @ 1% of cost of materials				15.93
	LABOUR				
1001	Wireman	day	0.13	301.00	37.63
1007	Khallasi	day	0.13	247.00	30.88
	TOTAL				1677.81
	Add 15% for Overheads & Profit				251.67
	TOTAL				1929.48
	Rate per Each				1929.48
	Say				1929.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

2.1.3 100 Amp TP&N

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1603	100 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	1.00	3248.70	3248.70
2863	38mm X 10mm bolts & nuts	each	4.00	5.67	22.68
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
2934	Earthing thimbles and solder	L.S.	1.00	10.50	10.50
	Total cost of materials				3283.88
	Cartage @ 1% of cost of materials				32.84
	LABOUR				
1001	Wireman	day	0.13	301.00	37.63
1007	Khallasi	day	0.13	247.00	30.88
	TOTAL				3385.22
	Add 15% for Overheads & Profit				507.78
	TOTAL				3893.00
	Rate per Each				3893.00
	Say				3893.00

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.

2.1.4 125 Amp TP&N

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1604	125 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	1.00	4299.75	4299.75
2863	38mm X 10mm bolts & nuts	each	4.00	5.67	22.68
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
2934	Earthing thimbles and solder	L.S.	1.00	10.50	10.50
	Total cost of materials				4334.93
	Cartage @ 1% of cost of materials				43.35
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				4460.48
	Add 15% for Overheads & Profit				669.07
	TOTAL				5129.55
	Rate per Each				5129.55
	Say				5130.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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.

2.1.5 160 Amp TP&N

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1605	160 amps. TPN, switch disconnecter fuse unit (Panel mounted type) with ISI marked HRC fuses	each	1.00	4975.95	4975.95
2863	38mm X 10mm bolts & nuts	each	4.00	5.67	22.68
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
2934	Earthing thimbles and solder	L.S.	1.00	10.50	10.50
	Total cost of materials				5011.13
	Cartage @ 1% of cost of materials				50.11
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				5143.44
	Add 15% for Overheads & Profit				771.52
	TOTAL				5914.96
	Rate per Each				5914.96
	Say				5915.00

- 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.

2.1.6 200 Amp TP&N

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1606	200 amps. TPN switch fuse unit with ISI marked HRC fuses	each	1.00	5350.80	5350.80
2863	38mm X 10mm bolts & nuts	each	4.00	5.67	22.68
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
2934	Earthing thimbles and solder	L.S.	1.00	10.50	10.50
	Total cost of materials				5385.98
	Cartage @ 1% of cost of materials				53.86
	LABOUR				
1001	Wireman	day	0.17	301.00	49.67
1007	Khallasi	day	0.17	247.00	40.76
	TOTAL				5530.26
	Add 15% for Overheads & Profit				829.54
	TOTAL				6359.80
	Rate per Each				6359.80
	Say				6360.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

2.1.7 320 Amp TP&N

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1607	315 amps. TPN switch fuse unit with ISI marked HRC fuses	each	1.00	8886.15	8886.15
2863	38mm X 10mm bolts & nuts	each	4.00	5.67	22.68
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
2934	Earthing thimbles and solder	L.S.	1.00	10.50	10.50
	Total cost of materials				8921.33
	Cartage @ 1% of cost of materials				89.21
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				9120.14
	Add 15% for Overheads & Profit				1368.02
	TOTAL				10488.16
	Rate per Each				10488.16
	Say				10488.00

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.

2.1.8 400 Amp TP&N

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1608	400 amps. TPN switch fuse unit with ISI marked HRC fuses	each	1.00	10708.95	10708.95
2863	38mm X 10mm bolts & nuts	each	4.00	5.67	22.68
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
2934	Earthing thimbles and solder	L.S.	1.00	10.50	10.50
	Total cost of materials				10744.13
	Cartage @ 1% of cost of materials				107.44
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				10988.57
	Add 15% for Overheads & Profit				1648.29
	TOTAL				12636.86
	Rate per Each				12636.86
	Say				12637.00

CHAPTER 2 - MCCB, MCB & DB'S

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1610	3 pole MCCB, 100A, 16KA	each	1.00	2331.00	2331.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				2343.52
	Cartage @ 1% of cost of materials				23.44
	LABOUR				
1001	Wireman	day	0.13	301.00	37.63
1007	Khallasi	day	0.13	247.00	30.88
	TOTAL				2435.46
	Add 15% for Overheads & Profit				365.32
	TOTAL				2800.78
	Rate per Each				2800.78
	Say				2801.00

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.

2.2.2 125 Amp, 16 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1611	3 pole MCCB, 125A, 16KA	each	1.00	3276.00	3276.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				3288.52
	Cartage @ 1% of cost of materials				32.89
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				3403.61
	Add 15% for Overheads & Profit				510.54
	TOTAL				3914.15
	Rate per Each				3914.15
	Say				3914.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

2.2.3 160 Amp, 16 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1612	3 pole MCCB, 150A, 16KA	each	1.00	4032.00	4032.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				4044.52
	Cartage @ 1% of cost of materials				40.45
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				4167.17
	Add 15% for Overheads & Profit				625.08
	TOTAL				4792.25
	Rate per Each				4792.25
	Say				4792.00

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.

2.2.4 200 Amp, 16 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1613	3 pole MCCB, 200A, 16KA	each	1.00	5859.00	5859.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				5871.52
	Cartage @ 1% of cost of materials				58.72
	LABOUR				
1001	Wireman	day	0.17	301.00	49.67
1007	Khallasi	day	0.17	247.00	40.76
	TOTAL				6020.66
	Add 15% for Overheads & Profit				903.10
	TOTAL				6923.76
	Rate per Each				6923.76
	Say				6924.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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.
- 2.2.5 200 Amp, 25 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1614	3 pole MCCB, 200A, 25KA	each	1.00	6174.00	6174.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				6186.52
	Cartage @ 1% of cost of materials				61.87
	LABOUR				
1001	Wireman	day	0.17	301.00	49.67
1007	Khallasi	day	0.17	247.00	40.76
	TOTAL				6338.81
	Add 15% for Overheads & Profit				950.82
	TOTAL				7289.63
	Rate per Each				7289.63
	Say				7290.00

- 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.
- 2.2.6 250 Amp, 25 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1615	3 pole MCCB, 250A, 25KA	each	1.00	8127.00	8127.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				8139.52
	Cartage @ 1% of cost of materials				81.40
	LABOUR				
1001	Wireman	day	0.18	301.00	52.68
1007	Khallasi	day	0.18	247.00	43.23
	TOTAL				8316.82
	Add 15% for Overheads & Profit				1247.52
	TOTAL				9564.34
	Rate per Each				9564.34
	Say				9564.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

2.2.7 250 Amp, 35 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1616	3 pole MCCB, 250A, 35KA	each	1.00	11655.00	11655.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				11667.52
	Cartage @ 1% of cost of materials				116.68
	LABOUR				
1001	Wireman	day	0.18	301.00	52.68
1007	Khallasi	day	0.18	247.00	43.23
	TOTAL				11880.10
	Add 15% for Overheads & Profit				1782.02
	TOTAL				13662.12
	Rate per Each				13662.12
	Say				13662.00

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.

2.2.8 315 Amp, 35 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1617	3 pole MCCB, 315A, 35KA	each	1.00	14175.00	14175.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				14187.52
	Cartage @ 1% of cost of materials				141.88
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				14439.00
	Add 15% for Overheads & Profit				2165.85
	TOTAL				16604.85
	Rate per Each				16604.85
	Say				16605.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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.
- 2.2.9 400 Amp, 35 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1618	3 pole MCCB, 400A, 35KA	each	1.00	14175.00	14175.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				14187.52
	Cartage @ 1% of cost of materials				141.88
	LABOUR				
1001	Wireman	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				14439.00
	Add 15% for Overheads & Profit				2165.85
	TOTAL				16604.85
	Rate per Each				16604.85
	Say				16605.00

- 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.
- 2.2.10 500 Amp, 35 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1619	3 pole MCCB, 500A, 35KA	each	1.00	16317.00	16317.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				16329.52
	Cartage @ 1% of cost of materials				163.30
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				16629.82
	Add 15% for Overheads & Profit				2494.47
	TOTAL				19124.29
	Rate per Each				19124.29
	Say				19124.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

2.2.11 630 Amp, 50 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1620	3 pole MCCB, 630A, 50KA	each	1.00	16884.00	16884.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				16896.52
	Cartage @ 1% of cost of materials				168.97
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				17202.49
	Add 15% for Overheads & Profit				2580.37
	TOTAL				19782.86
	Rate per Each				19782.86
	Say				19783.00

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.

2.2.12 800 Amp, 50 KA

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1621	3 pole MCCB, 800A, 50KA	each	1.00	21735.00	21735.00
2861	25mm X 3mm bolts & nuts	each	4.00	2.63	10.52
2859	Rubber/ PVC bushes	each	4.00	0.50	2.00
	Total cost of materials				21747.52
	Cartage @ 1% of cost of materials				217.48
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				22102.00
	Add 15% for Overheads & Profit				3315.30
	TOTAL				25417.30
	Rate per Each				25417.30
	Say				25417.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1734	2+2 way, SPN, single door, MCB DB	each	1.00	278.25	278.25
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				302.25
	Cartage @ 1% of cost of materials				3.02
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				411.51
	Add 15% for Overheads & Profit				61.73
	TOTAL				473.24
	Rate per Each				473.24
	Say				473.00

- 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)

2.3.2 2 + 6 way, Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1735	2+4 way, SPN, single door, MCB DB	each	1.00	312.38	312.38
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				336.38
	Cartage @ 1% of cost of materials				3.36
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				445.98
	Add 15% for Overheads & Profit				66.90
	TOTAL				512.88
	Rate per Each				512.88
	Say				513.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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)

2.3.3 2 + 8 way, Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1736	2+6 way, SPN, single door, MCB DB	each	1.00	346.50	346.50
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				370.50
	Cartage @ 1% of cost of materials				3.71
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				480.45
	Add 15% for Overheads & Profit				72.07
	TOTAL				552.52
	Rate per Each				552.52
	Say				553.00

- 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)

2.3.4 2 + 12 way, Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1737	2+10 way, SPN, single door, MCB DB	each	1.00	469.88	469.88
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				493.88
	Cartage @ 1% of cost of materials				4.94
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				605.06
	Add 15% for Overheads & Profit				90.76
	TOTAL				695.82
	Rate per Each				695.82
	Say				696.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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)

2.3.5 2 + 4 way, Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1738	2+2 way, SPN, double door, MCB DB	each	1.00	472.50	472.50
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				496.50
	Cartage @ 1% of cost of materials				4.97
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				607.71
	Add 15% for Overheads & Profit				91.16
	TOTAL				698.87
	Rate per Each				698.87
	Say				699.00

- 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)

2.3.6 2 + 6 way, Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1739	2+4 way, SPN, double door, MCB DB	each	1.00	540.75	540.75
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				564.75
	Cartage @ 1% of cost of materials				5.65
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				676.64
	Add 15% for Overheads & Profit				101.50
	TOTAL				778.14
	Rate per Each				778.14
	Say				778.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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)

2.3.7 2 + 8 way, Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1740	2+6 way, SPN, double door, MCB DB	each	1.00	609.00	609.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				633.00
	Cartage @ 1% of cost of materials				6.33
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				745.57
	Add 15% for Overheads & Profit				111.84
	TOTAL				857.41
	Rate per Each				857.41
	Say				857.00

- 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)

2.3.8 2 + 12 way, Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1741	2+10 way, SPN, double door, MCB DB	each	1.00	790.13	790.13
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				814.13
	Cartage @ 1% of cost of materials				8.14
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				928.51
	Add 15% for Overheads & Profit				139.28
	TOTAL				1067.79
	Rate per Each				1067.79
	Say				1068.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1751	4 way (4+12), TPN, MCB DB, single door, horizontal type	each	1.00	908.25	908.25
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				932.25
	Cartage @ 1% of cost of materials				9.32
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				1069.73
	Add 15% for Overheads & Profit				160.46
	TOTAL				1230.19
	Rate per Each				1230.19
	Say				1230.00

CHAPTER 2 - MCCB, MCB & DB'S

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)

2.4.2 6 way (4 + 18), Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1752	6 way (4+18), TPN, MCB DB, single door, horizontal type	each	1.00	1084.13	1084.13
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				1108.13
	Cartage @ 1% of cost of materials				11.08
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				1247.37
	Add 15% for Overheads & Profit				187.11
	TOTAL				1434.48
	Rate per Each				1434.48
	Say				1434.00

- 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)

2.4.3 8 way (4 + 24), Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1753	8 way (4+24), TPN, MCB DB, single door, horizontal type	each	1.00	1210.13	1210.13
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				1234.13
	Cartage @ 1% of cost of materials				12.34
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				1374.63
	Add 15% for Overheads & Profit				206.19
	TOTAL				1580.82
	Rate per Each				1580.82
	Say				1581.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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)

2.4.4 4 way (4 + 12), Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1754	4 way (4+12), TPN, MCB DB, double door, horizontal type	each	1.00	1273.13	1273.13
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				1297.13
	Cartage @ 1% of cost of materials				12.97
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				1438.26
	Add 15% for Overheads & Profit				215.74
	TOTAL				1654.00
	Rate per Each				1654.00
	Say				1654.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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)

2.4.5 6 way (4 + 18), Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1755	6 way (4+18), TPN, MCB DB, double door, horizontal type	each	1.00	1611.75	1611.75
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				1635.75
	Cartage @ 1% of cost of materials				16.36
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				1780.27
	Add 15% for Overheads & Profit				267.04
	TOTAL				2047.31
	Rate per Each				2047.31
	Say				2047.00

CHAPTER 2 - MCCB, MCB & DB'S

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)

2.4.6 8 way (4 + 24), Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1756	8 way (4+24), TPN, MCB DB, double door, horizontal type	each	1.00	2026.50	2026.50
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				2050.50
	Cartage @ 1% of cost of materials				20.51
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				2199.17
	Add 15% for Overheads & Profit				329.88
	TOTAL				2529.05
	Rate per Each				2529.05
	Say				2529.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1757	4 way (4+12), TPN, vertical type, MCB DB, single door	each	1.00	2165.63	2165.63
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				2189.63
	Cartage @ 1% of cost of materials				21.90
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				2339.69
	Add 15% for Overheads & Profit				350.95
	TOTAL				2690.64
	Rate per Each				2690.64
	Say				2691.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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.)

2.5.2 8 way (4 + 24), Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1758	8 way (4+24), TPN, vertical type, MCB DB, single door	each	1.00	3060.75	3060.75
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				3084.75
	Cartage @ 1% of cost of materials				30.85
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				3243.76
	Add 15% for Overheads & Profit				486.56
	TOTAL				3730.32
	Rate per Each				3730.32
	Say				3730.00

- 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.)

2.5.3 12 way (4 + 36), Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1759	12 way (4+36), TPN, vertical type, MCB DB, single door	each	1.00	3948.00	3948.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				3972.00
	Cartage @ 1% of cost of materials				39.72
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				4139.88
	Add 15% for Overheads & Profit				620.98
	TOTAL				4760.86
	Rate per Each				4760.86
	Say				4761.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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.)

2.5.4 4 way (4 + 12), Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1760	4 way (4+12), TPN, vertical type, MCB DB, double door	each	1.00	3171.00	3171.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				3195.00
	Cartage @ 1% of cost of materials				31.95
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				3355.11
	Add 15% for Overheads & Profit				503.27
	TOTAL				3858.38
	Rate per Each				3858.38
	Say				3858.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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.)

2.5.5 8 way (4 + 24), Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1761	8 way (4+24), TPN, vertical type, MCB DB, double door	each	1.00	4037.25	4037.25
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				4061.25
	Cartage @ 1% of cost of materials				40.61
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				4230.02
	Add 15% for Overheads & Profit				634.50
	TOTAL				4864.52
	Rate per Each				4864.52
	Say				4865.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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.)

2.5.6 12 way (4 + 36), Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1762	12 way (4+36), TPN, vertical type, MCB DB, double door	each	1.00	5173.88	5173.88
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				5197.88
	Cartage @ 1% of cost of materials				51.98
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				5378.02
	Add 15% for Overheads & Profit				806.70
	TOTAL				6184.72
	Rate per Each				6184.72
	Say				6185.00

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1763	4 way, TPN, vertical type, single door, MCB DB with 100 amps, 16 KA, MCCB	each	1.00	3955.88	3955.88
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				3979.88
	Cartage @ 1% of cost of materials				39.80
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				4147.84
	Add 15% for Overheads & Profit				622.18
	TOTAL				4770.02
	Rate per Each				4770.02
	Say				4770.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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.)

2.6.2 8 Way TP

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1764	8 way, TPN, vertical type, single door, MCB DB with 100 amps, 16 KA, MCCB	each	1.00	5084.89	5084.89
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				5108.89
	Cartage @ 1% of cost of materials				51.09
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				5288.14
	Add 15% for Overheads & Profit				793.22
	TOTAL				6081.36
	Rate per Each				6081.36
	Say				6081.00

- 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.)

2.6.3 12 Way TP

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1765	12 way, TPN, vertical type, single door, MCB DB with 100 amps, 16 KA, MCCB	each	1.00	6664.35	6664.35
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				6688.35
	Cartage @ 1% of cost of materials				66.88
	LABOUR				
1001	Wireman	day	0.12	301.00	36.12
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.24	247.00	59.28
	TOTAL				6883.39
	Add 15% for Overheads & Profit				1032.51
	TOTAL				7915.90
	Rate per Each				7915.90
	Say				7916.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1771	2 + 4 way, SPN, prewired MCB DB with extended loose wire box, single door	each	1.00	1323.00	1323.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				1347.00
	Cartage @ 1% of cost of materials				13.47
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1493.27
	Add 15% for Overheads & Profit				223.99
	TOTAL				1717.26
	Rate per Each				1717.26
	Say				1717.00

- 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)

2.7.2 2 + 8 way, Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1772	2 + 8 way, SPN, prewired MCB DB with extended loose wire box, single door	each	1.00	1606.50	1606.50
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				1630.50
	Cartage @ 1% of cost of materials				16.31
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1779.61
	Add 15% for Overheads & Profit				266.94
	TOTAL				2046.55
	Rate per Each				2046.55
	Say				2047.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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)

2.7.3 2 + 12 way, Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1773	2 + 12 way, SPN, prewired MCB DB with extended loose wire box, single door	each	1.00	1905.75	1905.75
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				1929.75
	Cartage @ 1% of cost of materials				19.30
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				2081.85
	Add 15% for Overheads & Profit				312.28
	TOTAL				2394.13
	Rate per Each				2394.13
	Say				2394.00

- 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)

2.7.4 2 + 4 way, Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1774	2 + 4 way, SPN, prewired MCB DB with extended loose wire box, double door	each	1.00	1697.06	1697.06
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				1721.06
	Cartage @ 1% of cost of materials				17.21
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1871.07
	Add 15% for Overheads & Profit				280.66
	TOTAL				2151.73
	Rate per Each				2151.73
	Say				2152.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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)

2.7.5 2 + 8 way, Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1775	2 + 8 way, SPN, prewired MCB DB with extended loose wire box, double door	each	1.00	2059.31	2059.31
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				2083.31
	Cartage @ 1% of cost of materials				20.83
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				2236.94
	Add 15% for Overheads & Profit				335.54
	TOTAL				2572.48
	Rate per Each				2572.48
	Say				2572.00

- 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)

2.7.6 2 + 12 way, Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1776	2 + 12 way, SPN, prewired MCB DB with extended loose wire box, double door	each	1.00	2520.00	2520.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				2544.00
	Cartage @ 1% of cost of materials				25.44
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				2702.24
	Add 15% for Overheads & Profit				405.34
	TOTAL				3107.58
	Rate per Each				3107.58
	Say				3108.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1779	4 way, (4+12) TPN, prewired MCB DB with extended loose wire box, single door	each	1.00	4591.13	4591.13
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				4615.13
	Cartage @ 1% of cost of materials				46.15
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				4821.48
	Add 15% for Overheads & Profit				723.22
	TOTAL				5544.70
	Rate per Each				5544.70
	Say				5545.00

- 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)

2.8.2 6 way (4 + 18), Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1780	6 way, (4+18) TPN, prewired MCB DB with extended loose wire box, single door	each	1.00	5977.13	5977.13
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				6001.13
	Cartage @ 1% of cost of materials				60.01
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				6221.34
	Add 15% for Overheads & Profit				933.20
	TOTAL				7154.54
	Rate per Each				7154.54
	Say				7155.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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)

2.8.3 8 way (4 + 24), Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1781	8 way, (4+24) TPN, prewired MCB DB with extended loose wire box, single door	each	1.00	6867.00	6867.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				6891.00
	Cartage @ 1% of cost of materials				68.91
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				7120.11
	Add 15% for Overheads & Profit				1068.02
	TOTAL				8188.13
	Rate per Each				8188.13
	Say				8188.00

- 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)

2.8.4 12 way (4 + 36), Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1782	12 way, (4+36) TPN, prewired MCB DB with extended loose wire box, single door	each	1.00	8477.44	8477.44
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				8501.44
	Cartage @ 1% of cost of materials				85.01
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				8746.65
	Add 15% for Overheads & Profit				1312.00
	TOTAL				10058.65
	Rate per Each				10058.65
	Say				10059.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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)

2.8.5 4 way (4 + 12), Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1783	4 way, (4+12) TPN, prewired MCB DB with extended loose wire box, double door	each	1.00	5280.19	5280.19
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				5304.19
	Cartage @ 1% of cost of materials				53.04
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				5517.43
	Add 15% for Overheads & Profit				827.61
	TOTAL				6345.04
	Rate per Each				6345.04
	Say				6345.00

- 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)

2.8.6 6 way (4 + 18), Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1784	6 way, (4+18) TPN, prewired MCB DB with extended loose wire box, double door	each	1.00	6874.88	6874.88
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				6898.88
	Cartage @ 1% of cost of materials				68.99
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				7128.07
	Add 15% for Overheads & Profit				1069.21
	TOTAL				8197.28
	Rate per Each				8197.28
	Say				8197.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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)

2.8.7 8 way (4 + 24), Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1785	8 way, (4+24) TPN, prewired MCB DB with extended loose wire box, double door	each	1.00	7552.13	7552.13
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				7576.13
	Cartage @ 1% of cost of materials				75.76
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				7812.09
	Add 15% for Overheads & Profit				1171.81
	TOTAL				8983.90
	Rate per Each				8983.90
	Say				8984.00

- 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)

2.8.8 12 way (4 + 36), Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1786	12 way, (4+36) TPN, prewired MCB DB with extended loose wire box, double door	each	1.00	9324.00	9324.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				9348.00
	Cartage @ 1% of cost of materials				93.48
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				9601.68
	Add 15% for Overheads & Profit				1440.25
	TOTAL				11041.93
	Rate per Each				11041.93
	Say				11042.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1787	4 way (4+4), TPN, vertical type, prewired, MCB DB with extended loose wire box, single door	each	1.00	4945.50	4945.50
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				4969.50
	Cartage @ 1% of cost of materials				49.70
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				5179.40
	Add 15% for Overheads & Profit				776.91
	TOTAL				5956.31
	Rate per Each				5956.31
	Say				5956.00

- 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 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.)

2.9.2 6 way Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1788	6 way (4+6), TPN, vertical type, prewired, MCB DB with extended loose wire box, single door	each	1.00	6441.75	6441.75
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				6465.75
	Cartage @ 1% of cost of materials				64.66
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				6690.61
	Add 15% for Overheads & Profit				1003.59
	TOTAL				7694.20
	Rate per Each				7694.20
	Say				7694.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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 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.)

2.9.3 8 way Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1789	8 way (4+8), TPN, vertical type, prewired, MCB DB with extended loose wire box, single door	each	1.00	7347.38	7347.38
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				7371.38
	Cartage @ 1% of cost of materials				73.71
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				7605.29
	Add 15% for Overheads & Profit				1140.79
	TOTAL				8746.08
	Rate per Each				8746.08
	Say				8746.00

- 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 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.)

2.9.4 12 way Single door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1790	12 way (4+12), TPN, vertical type, prewired, MCB DB with extended loose wire box, single door	each	1.00	9820.13	9820.13
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				9844.13
	Cartage @ 1% of cost of materials				98.44
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				10102.77
	Add 15% for Overheads & Profit				1515.42
	TOTAL				11618.19
	Rate per Each				11618.19
	Say				11618.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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 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.)

2.9.5 4 way Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1791	4 way (4+4), TPN, vertical type, prewired, MCB DB with extended loose wire box, double door	each	1.00	5685.75	5685.75
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				5709.75
	Cartage @ 1% of cost of materials				57.10
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				5927.05
	Add 15% for Overheads & Profit				889.06
	TOTAL				6816.11
	Rate per Each				6816.11
	Say				6816.00

- 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 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.)

2.9.6 6 way Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1792	6 way (4+6), TPN, vertical type, prewired, MCB DB with extended loose wire box, double door	each	1.00	7402.50	7402.50
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				7426.50
	Cartage @ 1% of cost of materials				74.27
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				7660.97
	Add 15% for Overheads & Profit				1149.15
	TOTAL				8810.12
	Rate per Each				8810.12
	Say				8810.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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 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.)

2.9.7 8 way Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1793	8 way (4+8), TPN, vertical type, prewired, MCB DB with extended loose wire box, double door	each	1.00	8087.63	8087.63
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				8111.63
	Cartage @ 1% of cost of materials				81.12
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				8352.95
	Add 15% for Overheads & Profit				1252.94
	TOTAL				9605.89
	Rate per Each				9605.89
	Say				9606.00

- 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 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.)

2.9.8 12 way Double door

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1794	12 way (4+12), TPN, vertical type, prewired, MCB DB with extended loose wire box, double door	each	1.00	10804.50	10804.50
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				10828.50
	Cartage @ 1% of cost of materials				108.29
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1010	Mason, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				11096.99
	Add 15% for Overheads & Profit				1664.55
	TOTAL				12761.54
	Rate per Each				12761.54
	Say				12762.00

CHAPTER 2 - MCCB, MCB & DB'S

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1706	6 amps. to 32 amps. ratings , SP MCB, "C" curve, 10 KA breaking capacity	each	1.00	99.75	99.75
	Total cost of materials				99.75
	Cartage @ 1% of cost of materials				1.00
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				122.67
	Add 15% for Overheads & Profit				18.40
	TOTAL				141.07
	Rate per Each				141.07
	Say				141.00

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.

2.10.2 Single pole and neutral

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1707	6 amps. to 32 amps. ratings , SPN MCB, "C" curve, 10 KA breaking capacity	each	1.00	294.00	294.00
	Total cost of materials				294.00
	Cartage @ 1% of cost of materials				2.94
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				318.86
	Add 15% for Overheads & Profit				47.83
	TOTAL				366.69
	Rate per Each				366.69
	Say				367.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

2.10.3 Double pole

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1708	6 amps. to 32 amps. ratings , DP MCB, "C" curve, 10 KA breaking capacity	each	1.00	304.50	304.50
	Total cost of materials				304.50
	Cartage @ 1% of cost of materials				3.05
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				329.47
	Add 15% for Overheads & Profit				49.42
	TOTAL				378.89
	Rate per Each				378.89
	Say				379.00

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.

2.10.4 Triple pole

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1709	6 amps. to 32 amps. ratings , TP MCB, "C" curve, 10 KA breaking capacity	each	1.00	462.00	462.00
	Total cost of materials				462.00
	Cartage @ 1% of cost of materials				4.62
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				488.54
	Add 15% for Overheads & Profit				73.28
	TOTAL				561.82
	Rate per Each				561.82
	Say				562.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

2.10.5 Triple pole and neutral

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1710	6 amps. to 32 amps. ratings , TPN MCB, "C" curve, 10 KA breaking capacity	each	1.00	601.13	601.13
	Total cost of materials				601.13
	Cartage @ 1% of cost of materials				6.01
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				629.06
	Add 15% for Overheads & Profit				94.36
	TOTAL				723.42
	Rate per Each				723.42
	Say				723.00

2.11 Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1711	Single pole, blanking plate	each	1.00	4.20	4.20
	Total cost of materials				4.20
	Cartage @ 1% of cost of materials				0.04
	LABOUR				
1001	Wireman	day	0.00	301.00	0.30
1007	Khallasi	day	0.00	247.00	0.25
	TOTAL				4.79
	Add 15% for Overheads & Profit				0.72
	TOTAL				5.51
	Rate per Each				5.51
	Say				5.50

CHAPTER 2 - MCCB, MCB & DB'S

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1712	40 amps., 2 pole isolator	each	1.00	189.00	189.00
	Total cost of materials				189.00
	Cartage @ 1% of cost of materials				1.89
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				212.81
	Add 15% for Overheads & Profit				31.92
	TOTAL				244.73
	Rate per Each				244.73
	Say				245.00

- 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.
 2.12.2 63 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1713	63 amps., 2 pole isolator	each	1.00	238.88	238.88
	Total cost of materials				238.88
	Cartage @ 1% of cost of materials				2.39
	LABOUR				
1001	Wireman	day	0.04	301.00	12.04
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				263.19
	Add 15% for Overheads & Profit				39.48
	TOTAL				302.67
	Rate per Each				302.67
	Say				303.00

CHAPTER 2 - MCCB, MCB & DB'S

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1714	40 amps., 4 pole isolator	each	1.00	433.13	433.13
	Total cost of materials				433.13
	Cartage @ 1% of cost of materials				4.33
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				481.30
	Add 15% for Overheads & Profit				72.20
	TOTAL				553.50
	Rate per Each				553.50
	Say				554.00

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.

2.13.2 63 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1715	63 amps., 4 pole isolator	each	1.00	441.00	441.00
	Total cost of materials				441.00
	Cartage @ 1% of cost of materials				4.41
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				489.25
	Add 15% for Overheads & Profit				73.39
	TOTAL				562.64
	Rate per Each				562.64
	Say				563.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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.
- 2.13.3 100 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1716	100 amps., 4 pole isolator	each	1.00	567.00	567.00
	Total cost of materials				567.00
	Cartage @ 1% of cost of materials				5.67
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				616.51
	Add 15% for Overheads & Profit				92.48
	TOTAL				708.99
	Rate per Each				708.99
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1717	25 amps. rating, 2 pole RCCB, 100mA/ 300mA	each	1.00	1107.75	1107.75
	Total cost of materials				1107.75
	Cartage @ 1% of cost of materials				11.08
	LABOUR				
1001	Wireman	day	0.05	301.00	15.05
1007	Khallasi	day	0.05	247.00	12.35
	TOTAL				1146.23
	Add 15% for Overheads & Profit				171.93
	TOTAL				1318.16
	Rate per Each				1318.16
	Say				1318.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

2.14.2 40 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1718	40 amps. rating, 2 pole RCCB, 100mA/ 300mA	each	1.00	1173.38	1173.38
	Total cost of materials				1173.38
	Cartage @ 1% of cost of materials				11.73
	LABOUR				
1001	Wireman	day	0.05	301.00	15.05
1007	Khallasi	day	0.05	247.00	12.35
	TOTAL				1212.51
	Add 15% for Overheads & Profit				181.88
	TOTAL				1394.39
	Rate per Each				1394.39
	Say				1394.00

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.

2.14.3 63 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1719	63 amps. rating, 2 pole RCCB, 100mA/ 300mA	each	1.00	1543.50	1543.50
	Total cost of materials				1543.50
	Cartage @ 1% of cost of materials				15.44
	LABOUR				
1001	Wireman	day	0.05	301.00	15.05
1007	Khallasi	day	0.05	247.00	12.35
	TOTAL				1586.34
	Add 15% for Overheads & Profit				237.95
	TOTAL				1824.29
	Rate per Each				1824.29
	Say				1824.00

CHAPTER 2 - MCCB, MCB & DB'S

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1720	25 amps. rating, 4 pole RCCB, 100mA/ 300mA	each	1.00	1401.75	1401.75
	Total cost of materials				1401.75
	Cartage @ 1% of cost of materials				14.02
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				1459.61
	Add 15% for Overheads & Profit				218.94
	TOTAL				1678.55
	Rate per Each				1678.55
	Say				1679.00

- 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.

2.15.2 40 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1721	40 amps. rating, 4 pole RCCB, 100mA/ 300mA	each	1.00	1422.75	1422.75
	Total cost of materials				1422.75
	Cartage @ 1% of cost of materials				14.23
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				1480.82
	Add 15% for Overheads & Profit				222.12
	TOTAL				1702.94
	Rate per Each				1702.94
	Say				1703.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

2.15.3 63 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1722	63 amps. rating, 4 pole RCCB, 100mA/ 300mA	each	1.00	1648.50	1648.50
	Total cost of materials				1648.50
	Cartage @ 1% of cost of materials				16.49
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				1708.83
	Add 15% for Overheads & Profit				256.32
	TOTAL				1965.15
	Rate per Each				1965.15
	Say				1965.00

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1742	Sheet steel DP MCB enclosure	each	1.00	133.88	133.88
1708	6 amps. to 32 amps. ratings , DP MCB, "C" curve, 10 KA breaking capacity	each	1.00	304.50	304.50
	Total cost of materials				438.38
	Cartage @ 1% of cost of materials				4.38
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				497.56
	Add 15% for Overheads & Profit				74.63
	TOTAL				572.19
	Rate per Each				572.19
	Say				572.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1743	Sheet steel TP MCB enclosure	each	1.00	152.25	152.25
1709	6 amps. to 32 amps. ratings , TP MCB, "C" curve, 10 KA breaking capacity	each	1.00	462.00	462.00
	Total cost of materials				614.25
	Cartage @ 1% of cost of materials				6.14
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				675.19
	Add 15% for Overheads & Profit				101.28
	TOTAL				776.47
	Rate per Each				776.47
	Say				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 alongwith 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1730	20 amps. SPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	each	1.00	393.75	393.75
1706	20 amps. ratings , SP MCB, "C" curve, 10 KA breaking capacity	each	1.00	99.75	99.75
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				517.50
	Cartage @ 1% of cost of materials				5.18
	LABOUR				
1001	Wireman	day	0.08	301.00	22.58
1010	Mason, Grade 2	day	0.08	273.00	20.48
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				602.78
	Add 15% for Overheads & Profit				90.42
	TOTAL				693.20
	Rate per Each				693.20
	Say				693.00

CHAPTER 2 - MCCB, MCB & DB'S

2.19 Supplying and fixing 20 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1731	20 amps. TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	each	1.00	913.50	913.50
1709	20 amps. ratings , TP MCB, "C" curve, 10 KA breaking capacity	each	1.00	462.00	462.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				1399.50
	Cartage @ 1% of cost of materials				14.00
	LABOUR				
1001	Wireman	day	0.08	301.00	22.58
1010	Mason, Grade 2	day	0.08	273.00	20.48
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				1493.60
	Add 15% for Overheads & Profit				224.04
	TOTAL				1717.64
	Rate per Each				1717.64
	Say				1718.00

CHAPTER 2 - MCCB, MCB & DB'S

- 2.20 Supplying and fixing 30 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1732	30 amps. TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	each	1.00	1141.88	1141.88
1709	30 amps. ratings , TP MCB, "C" curve, 10 KA breaking capacity	each	1.00	462.00	462.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2935	Cement, paint, sand etc.	L.S.	1.00	4.00	4.00
	Total cost of materials				1627.88
	Cartage @ 1% of cost of materials				16.28
	LABOUR				
1001	Wireman	day	0.08	301.00	22.58
1010	Mason, Grade 2	day	0.08	273.00	20.48
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				1724.26
	Add 15% for Overheads & Profit				258.64
	TOTAL				1982.90
	Rate per Each				1982.90
	Say				1983.00

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
2933	200 mm X 150 mm M.V. danger notice plate	each	1.00	36.75	36.75
2865	15 mm long X 6 mm dia G.I. bolts and nuts	each	6.00	3.95	23.70
	Total cost of materials				60.45
	Cartage @ 1% of cost of materials				0.60
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				104.89
	Add 15% for Overheads & Profit				15.73
	TOTAL				120.62
	Rate per Each				120.62
	Say				121.00

CHAPTER 2 - MCCB, MCB & DB'S

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
2932	250 mm X 200 mm H.T. danger notice plate	each	1.00	47.25	47.25
2865	15 mm long X 6 mm dia G.I. bolts and nuts	each	6.00	3.95	23.70
	Total cost of materials				70.95
	Cartage @ 1% of cost of materials				0.71
	LABOUR				
1001	Wireman	day	0.08	301.00	24.98
1007	Khallasi	day	0.08	247.00	20.50
	TOTAL				117.14
	Add 15% for Overheads & Profit				17.57
	TOTAL				134.71
	Rate per Each				134.71
	Say				135.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING,

- 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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1501	200 amps. TPN, rising mains in metal enclosure with aluminium busbar including fixing clamp	metre	10.00	3821.90	38219.00
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.5m = 3.5m @ 2.1 kg/m = 7.35kg	kg	7.35	45.00	330.75
	Total cost of materials				38549.75
	Cartage @ 1% of cost of materials				385.50
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				40551.25
	Add 15% for Overheads & Profit				6082.69
	Cost for 10 Metre				46633.94
	Rate per Metre				4663.39
	Say				4663.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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 conforming to IS 8623, TEC 439)

3.1.2 315 amps (S.C. rating for 1 sec - 20 KA)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1502	300 amps. TPN, rising mains in metal enclosure with aluminium busbar including fixing clamp	metre	10.00	3995.62	39956.20
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.5m = 3.5m @ 2.1 kg/m = 7.35kg	kg	7.35	45.00	330.75
	Total cost of materials				40286.95
	Cartage @ 1% of cost of materials				402.87
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				42305.82
	Add 15% for Overheads & Profit				6345.87
	Cost for 10 Metre				48651.69
	Rate per Metre				4865.17
	Say				4865.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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)

3.1.3 400 amps (S.C. rating for 1 sec - 25 KA)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1503	400 amps. TPN, rising mains in metal enclosure with aluminium busbar including fixing clamp	metre	10.00	4951.09	49510.90
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.5m = 3.5m @ 2.1 kg/m = 7.35kg	kg	7.35	45.00	330.75
	Total cost of materials				49841.65
	Cartage @ 1% of cost of materials				498.42
	LABOUR				
1001	Wireman	day	2.25	301.00	677.25
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.25	247.00	802.75
	TOTAL				52093.07
	Add 15% for Overheads & Profit				7813.96
	Cost for 10 Metre				59907.03
	Rate per Metre				5990.70
	Say				5991.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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 conforming to IS 8623, TEC 439)

3.1.4 630 amps (S.C. rating for 1 sec - 45 KA)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1504	600 amps. TPN, rising mains in metal enclosure with aluminium busbar including fixing clamp	metre	10.00	5559.12	55591.20
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.6m = 4.2m @ 2.1 kg/m = 8.82kg	kg	8.82	45.00	396.90
	Total cost of materials				55988.10
	Cartage @ 1% of cost of materials				559.88
	LABOUR				
1001	Wireman	day	2.25	301.00	677.25
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.25	247.00	802.75
	TOTAL				58300.98
	Add 15% for Overheads & Profit				8745.15
	Cost for 10 Metre				67046.13
	Rate per Metre				6704.61
	Say				6705.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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)

3.1.5 800 amps (S.C. rating for 1 sec - 50 KA)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1505	800 amps. TPN, rising mains in metal enclosure with aluminium busbar including fixing clamp	metre	10.00	6731.75	67317.50
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.6m = 4.2m @ 2.1 kg/m = 8.82kg	kg	8.82	45.00	396.90
	Total cost of materials				67714.40
	Cartage @ 1% of cost of materials				677.14
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				70281.54
	Add 15% for Overheads & Profit				10542.23
	Cost for 10 Metre				80823.77
	Rate per Metre				8082.38
	Say				8082.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1541	16 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	1.00	4777.37	4777.37
	Total cost of materials				4777.37
	Cartage @ 1% of cost of materials				47.77
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				4879.94
	Add 15% for Overheads & Profit				731.99
	TOTAL				5611.93
	Rate per Each				5611.93
	Say				5612.00

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.

3.2.2 32 amps TPN

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1542	32 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	1.00	5037.95	5037.95
	Total cost of materials				5037.95
	Cartage @ 1% of cost of materials				50.38
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				5143.13
	Add 15% for Overheads & Profit				771.47
	TOTAL				5914.60
	Rate per Each				5914.60
	Say				5915.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

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.

3.2.3 63 amps TPN

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1543	63 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	1.00	5645.98	5645.98
	Total cost of materials				5645.98
	Cartage @ 1% of cost of materials				56.46
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				5773.68
	Add 15% for Overheads & Profit				866.05
	TOTAL				6639.73
	Rate per Each				6639.73
	Say				6640.00

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.

3.2.4 100 amps TPN

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1544	100 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	1.00	6514.59	6514.59
	Total cost of materials				6514.59
	Cartage @ 1% of cost of materials				65.15
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				6650.98
	Add 15% for Overheads & Profit				997.65
	TOTAL				7648.63
	Rate per Each				7648.63
	Say				7649.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

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.

3.2.5 200 amps TPN

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1545	200 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	1.00	10249.63	10249.63
	Total cost of materials				10249.63
	Cartage @ 1% of cost of materials				102.50
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				10445.29
	Add 15% for Overheads & Profit				1566.79
	TOTAL				12012.08
	Rate per Each				12012.08
	Say				12012.00

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.

3.2.6 315 amps TPN

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1546	315 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	No	1.00	10857.66	10857.66
	Total cost of materials				10857.66
	Cartage @ 1% of cost of materials				108.58
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				11059.40
	Add 15% for Overheads & Profit				1658.91
	TOTAL				12718.31
	Rate per Each				12718.31
	Say				12718.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

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.

3.2.7 400 amps TPN

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1547	400 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	No	1.00	11291.96	11291.96
	Total cost of materials				11291.96
	Cartage @ 1% of cost of materials				112.92
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				11498.04
	Add 15% for Overheads & Profit				1724.71
	TOTAL				13222.75
	Rate per Each				13222.75
	Say				13223.00

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1511	16 amps. TPN, 2 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	7166.05	7166.05
	Total cost of materials				7166.05
	Cartage @ 1% of cost of materials				71.66
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				7308.95
	Add 15% for Overheads & Profit				1096.34
	TOTAL				8405.29
	Rate per Each				8405.29
	Say				8405.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

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.

3.3.2 16 amps TPN, 4 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1512	16 amps. TPN, 4 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	13463.49	13463.49
	Total cost of materials				13463.49
	Cartage @ 1% of cost of materials				134.63
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				13669.36
	Add 15% for Overheads & Profit				2050.40
	TOTAL				15719.76
	Rate per Each				15719.76
	Say				15720.00

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.

3.3.3 16 amps TPN, 6 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1513	16 amps. TPN, 6 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	19109.48	19109.48
	Total cost of materials				19109.48
	Cartage @ 1% of cost of materials				191.09
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				19382.77
	Add 15% for Overheads & Profit				2907.42
	TOTAL				22290.19
	Rate per Each				22290.19
	Say				22290.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

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.

3.3.4 16 amps TPN, 8 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1514	16 amps. TPN, 8 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	26492.68	26492.68
	Total cost of materials				26492.68
	Cartage @ 1% of cost of materials				264.93
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				26850.77
	Add 15% for Overheads & Profit				4027.62
	TOTAL				30878.39
	Rate per Each				30878.39
	Say				30878.00

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.

3.3.5 32 amps TPN, 2 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1515	32 amps. TPN, 2 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	7383.21	7383.21
	Total cost of materials				7383.21
	Cartage @ 1% of cost of materials				73.83
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				7528.28
	Add 15% for Overheads & Profit				1129.24
	TOTAL				8657.52
	Rate per Each				8657.52
	Say				8658.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

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.

3.3.6 32 amps TPN, 4 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1516	32 amps. TPN, 4 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	15200.72	15200.72
	Total cost of materials				15200.72
	Cartage @ 1% of cost of materials				152.01
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				15423.97
	Add 15% for Overheads & Profit				2313.60
	TOTAL				17737.57
	Rate per Each				17737.57
	Say				17738.00

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.

3.3.7 32 amps TPN, 6 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1517	32 amps. TPN, 6 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	19978.09	19978.09
	Total cost of materials				19978.09
	Cartage @ 1% of cost of materials				199.78
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				20260.07
	Add 15% for Overheads & Profit				3039.01
	TOTAL				23299.08
	Rate per Each				23299.08
	Say				23299.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

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.

3.3.8 32 amps TPN, 8 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1518	32 amps. TPN, 8 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	27795.60	27795.60
	Total cost of materials				27795.60
	Cartage @ 1% of cost of materials				277.96
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				28166.72
	Add 15% for Overheads & Profit				4225.01
	TOTAL				32391.73
	Rate per Each				32391.73
	Say				32392.00

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.

3.3.9 63 amps TPN, 2 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1519	63 amps. TPN, 2 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	8425.54	8425.54
	Total cost of materials				8425.54
	Cartage @ 1% of cost of materials				84.26
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				8581.04
	Add 15% for Overheads & Profit				1287.16
	TOTAL				9868.20
	Rate per Each				9868.20
	Say				9868.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

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.

3.3.10 63 amps TPN, 4 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1520	63 amps. TPN, 4 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	15200.72	15200.72
	Total cost of materials				15200.72
	Cartage @ 1% of cost of materials				152.01
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				15423.97
	Add 15% for Overheads & Profit				2313.60
	TOTAL				17737.57
	Rate per Each				17737.57
	Say				17738.00

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.

3.3.11 63 amps TPN, 6 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1521	63 amps. TPN, 6 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	21281.01	21281.01
	Total cost of materials				21281.01
	Cartage @ 1% of cost of materials				212.81
	LABOUR				
1001	Wireman	day	0.15	301.00	45.15
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				21576.02
	Add 15% for Overheads & Profit				3236.40
	TOTAL				24812.42
	Rate per Each				24812.42
	Say				24812.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

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.

3.3.12 63 amps TPN, 8 way

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1522	63 amps. TPN, 8 way, distribution tap off box with ISI marked HRC fuses for rising mains	each	1.00	29532.83	29532.83
	Total cost of materials				29532.83
	Cartage @ 1% of cost of materials				295.33
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				29921.32
	Add 15% for Overheads & Profit				4488.20
	TOTAL				34409.52
	Rate per Each				34409.52
	Say				34410.00

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
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	1.00	11986.85	11986.85
2211	Aluminium lugs for 185 sq. mm cable	each	3.00	21.66	64.98
2208	Aluminium lugs for 95 sq. mm cable	each	1.00	9.56	9.56
	Total cost of materials				12061.39
	Cartage @ 1% of cost of materials				120.61
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				12275.16
	Add 15% for Overheads & Profit				1841.27
	TOTAL				14116.43
	Rate per Each				14116.43
	Say				14116.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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.

3.4.2 300 amps TPN

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
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	1.00	13029.19	13029.19
2214	Aluminium lugs for 300 sq. mm cable	each	3.00	52.23	156.69
2210	Aluminium lugs for 150 sq. mm cable	each	1.00	17.32	17.32
	Total cost of materials				13203.20
	Cartage @ 1% of cost of materials				132.03
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				13472.23
	Add 15% for Overheads & Profit				2020.83
	TOTAL				15493.06
	Rate per Each				15493.06
	Say				15493.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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.

3.4.3 400 amps TPN

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
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	1.00	14332.11	14332.11
2215	Aluminium lugs for 400 sq. mm cable	each	3.00	75.09	225.27
2212	Aluminium lugs for 225 sq. mm cable	each	1.00	30.29	30.29
	Total cost of materials				14587.67
	Cartage @ 1% of cost of materials				145.88
	LABOUR				
1001	Wireman	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				14914.39
	Add 15% for Overheads & Profit				2237.16
	TOTAL				17151.55
	Rate per Each				17151.55
	Say				17152.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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.

3.4.4 600 amps TPN

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
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	1.00	15461.30	15461.30
2214	Aluminium lugs for 300 sq. mm cable	each	6.00	52.23	313.38
2210	Aluminium lugs for 150 sq. mm cable	each	2.00	17.32	34.64
	Total cost of materials				15809.32
	Cartage @ 1% of cost of materials				158.09
	LABOUR				
1001	Wireman	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				16148.25
	Add 15% for Overheads & Profit				2422.24
	TOTAL				18570.49
	Rate per Each				18570.49
	Say				18570.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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.

3.4.5 800 amps TPN

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
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	1.00	17198.53	17198.53
2215	Aluminium lugs for 400 sq. mm cable	each	6.00	75.09	450.54
2212	Aluminium lugs for 225 sq. mm cable	each	2.00	30.29	60.58
	Total cost of materials				17709.65
	Cartage @ 1% of cost of materials				177.10
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				18160.75
	Add 15% for Overheads & Profit				2724.11
	TOTAL				20884.86
	Rate per Each				20884.86
	Say				20885.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1531	800 amps. TPN, bus trunking with aluminium busbars	metre	10.00	6731.75	67317.50
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.6m = 4.2m @ 2.1 kg/m = 8.82kg	kg	8.82	45.00	396.90
2801	MS Suspender 6 mm dia 0.75m long	each	14.00	15.00	210.00
2856	Steel fastener 8 mm X 75 mm	each	14.00	8.00	112.00
	Cartage @ 1% of cost of materials				680.36
	Total cost of materials				68036.40
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				69812.76
	Add 15% for Overheads & Profit				10471.91
	Cost for 10 Metre				80284.67
	Rate per Metre				8028.47
	Say				8028.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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.

3.5.2 1000 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1532	1000 amps. TPN, bus trunking with aluminium busbars	metre	10.00	7991.24	79912.40
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.6m = 4.2m @ 2.1 kg/m = 8.82kg	kg	8.82	45.00	396.90
2801	MS Suspender 6 mm dia 0.75m long	each	14.00	15.00	210.00
2856	Steel fastener 8 mm X 75 mm	each	14.00	8.00	112.00
	Cartage @ 1% of cost of materials				806.31
	Total cost of materials				80631.30
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				82533.61
	Add 15% for Overheads & Profit				12380.04
	Cost for 10 Metre				94913.65
	Rate per Metre				9491.37
	Say				9491.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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.

3.5.3 1250 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1533	1250 amps. TPN, bus trunking with aluminium busbars	metre	10.00	10249.63	102496.30
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.75m = 5.25m @ 2.1 kg/m = 11.03kg	kg	11.03	45.00	496.35
2801	MS Suspender 6 mm dia 0.75m long	each	14.00	15.00	210.00
2856	Steel fastener 8 mm X 75 mm	each	14.00	8.00	112.00
	Cartage @ 1% of cost of materials				1033.15
	Total cost of materials				103314.65
	LABOUR				
1001	Wireman	day	3.00	301.00	903.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				105991.80
	Add 15% for Overheads & Profit				15898.77
	Cost for 10 Metre				121890.57
	Rate per Metre				12189.06
	Say				12189.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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.

3.5.4 1400 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1534	1400 amps. TPN, bus trunking with aluminium busbars	metre	10.00	12855.47	128554.70
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.75m = 5.25m @ 2.1 kg/m = 11.03kg	kg	11.03	45.00	496.35
2801	MS Suspender 6 mm dia 0.75m long	each	14.00	15.00	210.00
2856	Steel fastener 8 mm X 75 mm	each	14.00	8.00	112.00
	Cartage @ 1% of cost of materials				1293.73
	Total cost of materials				129373.05
	LABOUR				
1001	Wireman	day	3.00	301.00	903.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				132310.78
	Add 15% for Overheads & Profit				19846.62
	Cost for 10 Metre				152157.40
	Rate per Metre				15215.74
	Say				15216.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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.

3.5.5 1600 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1535	1600 amps. TPN, bus trunking with aluminium busbars	metre	10.00	12855.47	128554.70
2805	35 mm X 35 mm X 4 mm angle iron = 7x1.0 = 7.0m @ 2.1 kg/m = 14.70kg	kg	9.80	45.00	441.00
2801	MS Suspender 6 mm dia 0.75m long	each	14.00	15.00	210.00
2856	Steel fastener 8 mm X 75 mm	each	14.00	8.00	112.00
	Cartage @ 1% of cost of materials				1293.18
	Total cost of materials				129317.70
	LABOUR				
1001	Wireman	day	3.50	301.00	1053.50
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				132528.88
	Add 15% for Overheads & Profit				19879.33
	Cost for 10 Metre				152408.21
	Rate per Metre				15240.82
	Say				15241.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1536	200 amps. TPN, overhead busbars with aluminium busbars	metre	10.00	3821.90	38219.00
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.6m = 4.2m @ 2.1 kg/m = 8.82kg	kg	8.82	45.00	396.90
2801	MS Suspender 6 mm dia 0.75m long	each	14.00	15.00	210.00
2856	Steel fastener 8 mm X 75 mm	each	14.00	8.00	112.00
	Cartage @ 1% of cost of materials				389.38
	Total cost of materials				38937.90
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				40423.28
	Add 15% for Overheads & Profit				6063.49
	Cost for 10 Metre				46486.77
	Rate per Metre				4648.68
	Say				4649.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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.

3.6.2 400 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1537	400 amps. TPN, overhead busbars with aluminium busbars	metre	10.00	4951.09	49510.90
2805	35 mm X 35 mm X 4 mm angle iron = 7x0.6m = 4.2m @ 2.1 kg/m = 8.82kg	kg	8.82	45.00	396.90
2801	MS Suspender 6 mm dia 0.75m long	each	14.00	15.00	210.00
2856	Steel fastener 8 mm X 75 mm	each	14.00	8.00	112.00
	Cartage @ 1% of cost of materials				502.30
	Total cost of materials				50229.80
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				51828.10
	Add 15% for Overheads & Profit				7774.22
	Cost for 10 Metre				59602.32
	Rate per Metre				5960.23
	Say				5960.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One each				
	MATERIAL				
1538	32 amps. TPN, plug-in-box with TPN disconnecter FSU and ISI marked HRC fuses for overhead busbars	each	1.00	4318.25	4318.25
	Total cost of materials				4318.25
	Cartage @ 1% of cost of materials				43.18
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				4416.23
	Add 15% for Overheads & Profit				662.43
	TOTAL				5078.66
	Rate per Each				5078.66
	Say				5079.00

- 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.

3.7.2 63 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One each				
	MATERIAL				
1539	63 amps. TPN, plug-in-box with TPN disconnecter FSU and ISI marked HRC fuses for overhead busbars	each	1.00	4839.41	4839.41
	Total cost of materials				4839.41
	Cartage @ 1% of cost of materials				48.39
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				4959.04
	Add 15% for Overheads & Profit				743.86
	TOTAL				5702.90
	Rate per Each				5702.90
	Say				5703.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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.

3.7.3 100 amps

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One each				
	MATERIAL				
1540	100 amps. TPN, plug-in-box with TPN disconnecter FSU and ISI marked HRC fuses for overhead busbars	each	1.00	5583.94	5583.94
	Total cost of materials				5583.94
	Cartage @ 1% of cost of materials				55.84
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				5711.02
	Add 15% for Overheads & Profit				856.65
	TOTAL				6567.67
	Rate per Each				6567.67
	Say				6568.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1551	200 amps. TPN, compact type rising mains with aluminium busbar including all accessories	metre	10.00	3915.00	39150.00
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				39239.24
	Cartage @ 1% of cost of materials				392.39
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	0.75	273.00	204.75
1007	Khallasi	day	2.75	247.00	679.25
	TOTAL				41117.63
	Add 15% for Overheads & Profit				6167.64
	Cost for 10 Metre				47285.27
	Rate per Metre				4728.53
	Say				4729.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.8.2 315 amps 25KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1552	315 amps. TPN, compact type rising mains with aluminium busbar including all accessories	metre	10.00	4556.25	45562.50
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				45651.74
	Cartage @ 1% of cost of materials				456.52
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	0.75	273.00	204.75
1007	Khallasi	day	2.75	247.00	679.25
	TOTAL				47594.26
	Add 15% for Overheads & Profit				7139.14
	Cost for 10 Metre				54733.40
	Rate per Metre				5473.34
	Say				5473.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.8.3 400 amps 30KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1553	400 amps. TPN, compact type rising mains with aluminium busbar including all accessories	metre	10.00	4995.00	49950.00
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				50039.24
	Cartage @ 1% of cost of materials				500.39
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				52155.63
	Add 15% for Overheads & Profit				7823.34
	Cost for 10 Metre				59978.97
	Rate per Metre				5997.90
	Say				5998.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.8.4 500 amps 35KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1554	500 amps. TPN, compact type rising mains with aluminium busbar including all accessories	metre	10.00	5838.75	58387.50
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				58476.74
	Cartage @ 1% of cost of materials				584.77
	LABOUR				
1001	Wireman	day	2.25	301.00	677.25
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.25	247.00	802.75
	TOTAL				60814.51
	Add 15% for Overheads & Profit				9122.18
	Cost for 10 Metre				69936.69
	Rate per Metre				6993.67
	Say				6994.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.8.5 630 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1555	630 amps. TPN, compact type rising mains with aluminium busbar including all accessories	metre	10.00	6885.00	68850.00
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				68939.24
	Cartage @ 1% of cost of materials				689.39
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				71518.63
	Add 15% for Overheads & Profit				10727.79
	Cost for 10 Metre				82246.42
	Rate per Metre				8224.64
	Say				8225.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.8.6 800 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1556	800 amps. TPN, compact type rising mains with aluminium busbar including all accessories	metre	10.00	9652.50	96525.00
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				96614.24
	Cartage @ 1% of cost of materials				966.14
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				99470.38
	Add 15% for Overheads & Profit				14920.56
	Cost for 10 Metre				114390.94
	Rate per Metre				11439.09
	Say				11439.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.8.7 1000 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1557	1000 amps. TPN, compact type rising mains with aluminium busbar including all accessories	metre	10.00	11272.50	112725.00
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				112814.24
	Cartage @ 1% of cost of materials				1128.14
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				115832.38
	Add 15% for Overheads & Profit				17374.86
	Cost for 10 Metre				133207.24
	Rate per Metre				13320.72
	Say				13321.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.8.8 1250 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1558	1250 amps. TPN, compact type rising mains with aluminium busbar including all accessories	metre	10.00	12825.00	128250.00
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				128339.24
	Cartage @ 1% of cost of materials				1283.39
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				131512.63
	Add 15% for Overheads & Profit				19726.89
	Cost for 10 Metre				151239.52
	Rate per Metre				15123.95
	Say				15124.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1559	200 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	4241.25	42412.50
2804	25 mm X 25 mm X 3 mm angle iron = 7 X 0.25m = 1.75 @ 1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				42501.74
	Cartage @ 1% of cost of materials				425.02
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	0.75	273.00	204.75
1007	Khallasi	day	2.75	247.00	679.25
	TOTAL				44412.76
	Add 15% for Overheads & Profit				6661.91
	Cost for 10 Metre				51074.67
	Rate per Metre				5107.47
	Say				5107.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.9.2 315 amps 25KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1560	315 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	4935.94	49359.38
2804	25 mm X 25 mm X 3 mm angle iron = 7 X 0.25m = 1.75 @ 1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				49448.62
	Cartage @ 1% of cost of materials				494.49
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	0.75	273.00	204.75
1007	Khallasi	day	2.75	247.00	679.25
	TOTAL				51429.11
	Add 15% for Overheads & Profit				7714.37
	Cost for 10 Metre				59143.48
	Rate per Metre				5914.35
	Say				5914.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.9.3 400 amps 30KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1561	400 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	5411.25	54112.50
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				54201.74
	Cartage @ 1% of cost of materials				542.02
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				56359.76
	Add 15% for Overheads & Profit				8453.96
	Cost for 10 Metre				64813.72
	Rate per Metre				6481.37
	Say				6481.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.9.4 500 amps 35KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1562	500 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	6325.31	63253.13
2804	25 mm X 25 mm X 3 mm angle iron = 7 X 0.25m = 1.75 @ 1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				63342.37
	Cartage @ 1% of cost of materials				633.42
	LABOUR				
1001	Wireman	day	2.25	301.00	677.25
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.25	247.00	802.75
	TOTAL				65728.79
	Add 15% for Overheads & Profit				9859.32
	Cost for 10 Metre				75588.11
	Rate per Metre				7558.81
	Say				7559.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.9.5 630 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1563	630 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	7458.75	74587.50
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				74676.74
	Cartage @ 1% of cost of materials				746.77
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				77313.51
	Add 15% for Overheads & Profit				11597.03
	Cost for 10 Metre				88910.54
	Rate per Metre				8891.05
	Say				8891.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.9.6 800 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1564	800 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	10456.88	104568.75
2804	25 mm X 25 mm X 3 mm angle iron = 7 X 0.25m = 1.75 @ 1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				104657.99
	Cartage @ 1% of cost of materials				1046.58
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				107594.57
	Add 15% for Overheads & Profit				16139.19
	Cost for 10 Metre				123733.76
	Rate per Metre				12373.38
	Say				12373.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.9.7 1000 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1565	1000 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	12211.88	122118.75
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				122207.99
	Cartage @ 1% of cost of materials				1222.08
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				125320.07
	Add 15% for Overheads & Profit				18798.01
	Cost for 10 Metre				144118.08
	Rate per Metre				14411.81
	Say				14412.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.9.8 1250 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1566	1250 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	13893.75	138937.50
2804	25 mm X 25 mm X 3 mm angle iron = 7 X 0.25m = 1.75 @ 1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
	Total cost of materials				139026.74
	Cartage @ 1% of cost of materials				1390.27
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				142307.01
	Add 15% for Overheads & Profit				21346.05
	Cost for 10 Metre				163653.06
	Rate per Metre				16365.31
	Say				16365.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1559	200 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	4241.25	42412.50
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
2801	MS Suspender 6 mm dia 0.75m long	each	14.00	15.00	210.00
	Total cost of materials				42711.74
	Cartage @ 1% of cost of materials				427.12
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	0.75	273.00	204.75
1007	Khallasi	day	2.75	247.00	679.25
	TOTAL				44624.86
	Add 15% for Overheads & Profit				6693.73
	Cost for 10 Metre				51318.59
	Rate per Metre				5131.86
	Say				5132.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.10.2 315 amps 25KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1560	315 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	4935.94	49359.38
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
2801	MS Suspender 6 mm dia 0.75m long	each	14.00	15.00	210.00
	Total cost of materials				49658.62
	Cartage @ 1% of cost of materials				496.59
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	0.75	273.00	204.75
1007	Khallasi	day	2.75	247.00	679.25
	TOTAL				51641.21
	Add 15% for Overheads & Profit				7746.18
	Cost for 10 Metre				59387.39
	Rate per Metre				5938.74
	Say				5939.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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
- 3.10.3 400 amps 30KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1561	400 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	5411.25	54112.50
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
2801	MS Suspender 6 mm dia 0.75m long	each	14.00	15.00	210.00
	Total cost of materials				54411.74
	Cartage @ 1% of cost of materials				544.12
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				56571.86
	Add 15% for Overheads & Profit				8485.78
	Cost for 10 Metre				65057.64
	Rate per Metre				6505.76
	Say				6506.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.10.4 500 amps 35KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1562	500 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	6325.31	63253.13
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
2802	MS Suspender 8 mm dia 0.75m long	each	14.00	20.00	280.00
	Total cost of materials				63622.37
	Cartage @ 1% of cost of materials				636.22
	LABOUR				
1001	Wireman	day	2.25	301.00	677.25
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.25	247.00	802.75
	TOTAL				66011.59
	Add 15% for Overheads & Profit				9901.74
	Cost for 10 Metre				75913.33
	Rate per Metre				7591.33
	Say				7591.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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
- 3.10.5 630 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1563	630 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	7458.75	74587.50
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
2802	MS Suspender 8 mm dia 0.75m long	each	14.00	20.00	280.00
	Total cost of materials				74956.74
	Cartage @ 1% of cost of materials				749.57
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				77596.31
	Add 15% for Overheads & Profit				11639.45
	Cost for 10 Metre				89235.76
	Rate per Metre				8923.58
	Say				8924.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.10.6 800 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1564	800 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	10456.88	104568.75
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
2802	MS Suspender 8 mm dia 0.75m long	each	14.00	20.00	280.00
	Total cost of materials				104937.99
	Cartage @ 1% of cost of materials				1049.38
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				107877.37
	Add 15% for Overheads & Profit				16181.61
	Cost for 10 Metre				124058.98
	Rate per Metre				12405.90
	Say				12406.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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
- 3.10.7 1000 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1565	1000 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	12211.88	122118.75
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
2803	MS Suspender 10 mm dia 0.75m long	each	14.00	30.00	420.00
	Total cost of materials				122627.99
	Cartage @ 1% of cost of materials				1226.28
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				125744.27
	Add 15% for Overheads & Profit				18861.64
	Cost for 10 Metre				144605.91
	Rate per Metre				14460.59
	Say				14461.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.10.8 1250 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
1566	1250 amps. TPN, compact type bus trunking with aluminium busbar including elbows and other all accessories	metre	10.00	13893.75	138937.50
2804	25 mm X 25 mm X 3 mm angle iron =7 X 0.25m =1.75 @1.11kg/m = 1.94kg	kg	1.94	46.00	89.24
2803	MS Suspender 10 mm dia 0.75m long	each	14.00	30.00	420.00
	Total cost of materials				139446.74
	Cartage @ 1% of cost of materials				1394.47
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1010	Mason, Grade 2	day	1.00	273.00	273.00
1007	Khallasi	day	3.50	247.00	864.50
	TOTAL				142731.21
	Add 15% for Overheads & Profit				21409.68
	Cost for 10 Metre				164140.89
	Rate per Metre				16414.09
	Say				16414.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1567	200 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	1.00	3206.25	3206.25
	Total cost of materials				3206.25
	Cartage @ 1% of cost of materials				32.06
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				3293.11
	Add 15% for Overheads & Profit				493.97
	TOTAL				3787.08
	Rate per Each				3787.08
	Say				3787.00

- 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

3.11.2 315 amps 25KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1568	315 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	1.00	3341.25	3341.25
	Total cost of materials				3341.25
	Cartage @ 1% of cost of materials				33.41
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				3429.46
	Add 15% for Overheads & Profit				514.42
	TOTAL				3943.88
	Rate per Each				3943.88
	Say				3944.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.11.3 400 amps 30KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1569	400 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	1.00	4252.50	4252.50
	Total cost of materials				4252.50
	Cartage @ 1% of cost of materials				42.53
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				4366.27
	Add 15% for Overheads & Profit				654.94
	TOTAL				5021.21
	Rate per Each				5021.21
	Say				5021.00

- 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

3.11.4 500 amps 35KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1570	500 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	1.00	4455.00	4455.00
	Total cost of materials				4455.00
	Cartage @ 1% of cost of materials				44.55
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				4570.79
	Add 15% for Overheads & Profit				685.62
	TOTAL				5256.41
	Rate per Each				5256.41
	Say				5256.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.11.5 630 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1571	630 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	1.00	5433.75	5433.75
	Total cost of materials				5433.75
	Cartage @ 1% of cost of materials				54.34
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				5581.25
	Add 15% for Overheads & Profit				837.19
	TOTAL				6418.44
	Rate per Each				6418.44
	Say				6418.00

- 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

3.11.6 800 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1572	800 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	1.00	6817.50	6817.50
	Total cost of materials				6817.50
	Cartage @ 1% of cost of materials				68.18
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				6978.84
	Add 15% for Overheads & Profit				1046.83
	TOTAL				8025.67
	Rate per Each				8025.67
	Say				8026.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

3.11.7 1000 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1573	1000 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	1.00	7222.50	7222.50
	Total cost of materials				7222.50
	Cartage @ 1% of cost of materials				72.23
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				7387.89
	Add 15% for Overheads & Profit				1108.18
	TOTAL				8496.07
	Rate per Each				8496.07
	Say				8496.00

- 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

3.11.8 1250 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1574	1250 amps. TPN, End Feed Unit for compact rising mains including all accessories	each	1.00	7627.50	7627.50
	Total cost of materials				7627.50
	Cartage @ 1% of cost of materials				76.28
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				7796.94
	Add 15% for Overheads & Profit				1169.54
	TOTAL				8966.48
	Rate per Each				8966.48
	Say				8966.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1575	125 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	1.00	3712.50	3712.50
	Total cost of materials				3712.50
	Cartage @ 1% of cost of materials				37.13
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				3804.43
	Add 15% for Overheads & Profit				570.66
	TOTAL				4375.09
	Rate per Each				4375.09
	Say				4375.00

- 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
- 3.12.2 200 amps 25KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1576	200 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	1.00	4725.00	4725.00
	Total cost of materials				4725.00
	Cartage @ 1% of cost of materials				47.25
	LABOUR				
1001	Wireman	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				4827.05
	Add 15% for Overheads & Profit				724.06
	TOTAL				5551.11
	Rate per Each				5551.11
	Say				5551.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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
- 3.12.3 250 amps 30KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1577	315 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	1.00	6075.00	6075.00
	Total cost of materials				6075.00
	Cartage @ 1% of cost of materials				60.75
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				6206.99
	Add 15% for Overheads & Profit				931.05
	TOTAL				7138.04
	Rate per Each				7138.04
	Say				7138.00

- 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
- 3.12.4 400 amps 35KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1578	400 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	1.00	6075.00	6075.00
	Total cost of materials				6075.00
	Cartage @ 1% of cost of materials				60.75
	LABOUR				
1001	Wireman	day	0.13	301.00	39.13
1007	Khallasi	day	0.13	247.00	32.11
	TOTAL				6206.99
	Add 15% for Overheads & Profit				931.05
	TOTAL				7138.04
	Rate per Each				7138.04
	Say				7138.00

CHAPTER 3 – RISING MAINS & BUS TRUNKING

- 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
- 3.12.5 500 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1579	500 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	1.00	8775.00	8775.00
	Total cost of materials				8775.00
	Cartage @ 1% of cost of materials				87.75
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				8955.91
	Add 15% for Overheads & Profit				1343.39
	TOTAL				10299.30
	Rate per Each				10299.30
	Say				10299.00

- 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
- 3.12.6 630 amps 50KA SC for 1 sec

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one each				
	MATERIAL				
1580	630 amps. TPN, TAP OFF Box for compact rising mains including all accessories	each	1.00	8775.00	8775.00
	Total cost of materials				8775.00
	Cartage @ 1% of cost of materials				87.75
	LABOUR				
1001	Wireman	day	0.17	301.00	51.17
1007	Khallasi	day	0.17	247.00	41.99
	TOTAL				8955.91
	Add 15% for Overheads & Profit				1343.39
	TOTAL				10299.30
	Rate per Each				10299.30
	Say				10299.00

CHAPTER 4 – CABLE TRAYS

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2701	MS perforated cable tray painted with powder coating 100 X 50 X 1.6 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	220.50	6945.75
2717	MS perforated cable tray Connector 100 X 50 X 1.6 mm	each	9.00	22.84	205.56
2804	25 mm X 25 mm X 3 mm angle iron =20 X 0.15m =3 @1.11kg/m = 3.33kg	kg	3.33	46.00	153.18
2855	Steel fastener 6 mm X 75 mm	each	40.00	5.00	200.00
2801	MS Suspender 6 mm dia 0.75m long	each	40.00	15.00	600.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				8164.49
	Cartage @ 1% of cost of materials				81.64
	LABOUR				
1005	Fitter, Grade 2	day	2.00	273.00	546.00
1010	Mason, Grade 2	day	2.00	273.00	546.00
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				10573.13
	Add 15% for Overheads & Profit				1585.97
	Cost for 30 Metre				12159.10
	Rate per Metre				405.30
	Say				405.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.2 150 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2702	MS perforated cable tray painted with powder coating 150 X 50 X 1.6 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	273.26	8607.69
2718	MS perforated cable tray Connector 150 X 50 X 1.6 mm	each	9.00	29.14	262.26
2804	25 mm X 25 mm X 3 mm angle iron =20 X 0.2m =4 @1.11kg/m = 4.44kg	kg	4.44	46.00	204.24
2855	Steel fastener 6 mm X 75 mm	each	40.00	5.00	200.00
2801	MS Suspender 6 mm dia 0.75m long	each	40.00	15.00	600.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				9934.19
	Cartage @ 1% of cost of materials				99.34
	LABOUR				
1005	Fitter, Grade 2	day	2.00	273.00	546.00
1010	Mason, Grade 2	day	2.00	273.00	546.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				12113.53
	Add 15% for Overheads & Profit				1817.03
	Cost for 30 Metre				13930.56
	Rate per Metre				464.35
	Say				464.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.3 200 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2703	MS perforated cable tray painted with powder coating 225 X 50 X 1.6 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	358.31	11286.77
2719	MS perforated cable tray Connector 225 X 50 X 1.6 mm	each	9.00	29.14	262.26
2804	25 mm X 25 mm X 3 mm angle iron =20 X 0.25m =5 @1.11kg/m = 5.55kg	kg	5.55	46.00	255.30
2855	Steel fastener 6 mm X 75 mm	each	40.00	5.00	200.00
2801	MS Suspender 6 mm dia 0.75m long	each	40.00	15.00	600.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				12664.33
	Cartage @ 1% of cost of materials				126.64
	LABOUR				
1005	Fitter, Grade 2	day	2.00	273.00	546.00
1010	Mason, Grade 2	day	2.00	273.00	546.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				14870.97
	Add 15% for Overheads & Profit				2230.65
	Cost for 30 Metre				17101.62
	Rate per Metre				570.05
	Say				570.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.4 300 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2704	MS perforated cable tray painted with powder coating 300 X 50 X 1.6 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	442.58	13941.27
2720	MS perforated cable tray Connector 300 X 50 X 1.6 mm	each	9.00	29.14	262.26
2804	25 mm X 25 mm X 3 mm angle iron =20 X 0.35m =7 @1.11kg/m = 7.77kg	kg	7.77	46.00	357.42
2855	Steel fastener 6 mm X 75 mm	each	40.00	5.00	200.00
2801	MS Suspender 6 mm dia 0.75m long	each	40.00	15.00	600.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				15420.95
	Cartage @ 1% of cost of materials				154.21
	LABOUR				
1005	Fitter, Grade 2	day	2.00	273.00	546.00
1010	Mason, Grade 2	day	2.00	273.00	546.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				17655.16
	Add 15% for Overheads & Profit				2648.27
	Cost for 30 Metre				20303.43
	Rate per Metre				676.78
	Say				677.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.5 375 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2705	MS perforated cable tray painted with powder coating 375 X 50 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	566.21	17835.62
2721	MS perforated cable tray Connector 375 X 50 X 2 mm	each	9.00	32.29	290.61
2805	35 mm X 35 mm X 4 mm angle iron =20 X 0.425m =8.5 @2.09kg/m = 17.77kg	kg	17.77	45.00	799.65
2855	Steel fastener 6 mm X 75 mm	each	40.00	5.00	200.00
2801	MS Suspender 6 mm dia 0.75m long	each	40.00	15.00	600.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				19785.88
	Cartage @ 1% of cost of materials				197.86
	LABOUR				
1005	Fitter, Grade 2	day	2.00	273.00	546.00
1010	Mason, Grade 2	day	2.00	273.00	546.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				22063.74
	Add 15% for Overheads & Profit				3309.56
	Cost for 30 Metre				25373.30
	Rate per Metre				845.78
	Say				846.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.6 450 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2706	MS perforated cable tray painted with powder coating 450 X 50 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	659.14	20762.91
2722	MS perforated cable tray Connector 450 X 50 X 2 mm	each	9.00	37.80	340.20
2805	35 mm X 35 mm X 4 mm angle iron =20 X 0.5m =10 @2.09kg/m = 20.9kg	kg	20.90	45.00	940.50
2855	Steel fastener 6 mm X 75 mm	each	40.00	5.00	200.00
2802	MS Suspender 8 mm dia 0.75m long	each	40.00	20.00	800.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				23103.61
	Cartage @ 1% of cost of materials				231.04
	LABOUR				
1005	Fitter, Grade 2	day	2.00	273.00	546.00
1010	Mason, Grade 2	day	2.00	273.00	546.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				25414.65
	Add 15% for Overheads & Profit				3812.20
	Cost for 30 Metre				29226.85
	Rate per Metre				974.23
	Say				974.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.7 600 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2707	MS perforated cable tray painted with powder coating 600 X 50 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	838.69	26418.74
2723	MS perforated cable tray Connector 600 X 50 X 2 mm	each	9.00	41.74	375.66
2805	35 mm X 35 mm X 4 mm angle iron =20 X 0.65m =13 @2.09kg/m = 27.17kg	kg	27.17	45.00	1222.65
2856	Steel fastener 8 mm X 75 mm	each	40.00	8.00	320.00
2802	MS Suspender 8 mm dia 0.75m long	each	40.00	20.00	800.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				29197.05
	Cartage @ 1% of cost of materials				291.97
	LABOUR				
1005	Fitter, Grade 2	day	2.00	273.00	546.00
1010	Mason, Grade 2	day	2.00	273.00	546.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				31569.02
	Add 15% for Overheads & Profit				4735.35
	Cost for 30 Metre				36304.37
	Rate per Metre				1210.15
	Say				1210.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.8 300 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2708	MS perforated cable tray painted with powder coating 300 X 62.5 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	503.21	15851.12
2724	MS perforated cable tray Connector 300 X 62.5 X 2 mm	each	9.00	32.29	290.61
2804	25 mm X 25 mm X 3 mm angle iron =20 X 0.35m =7 @1.11kg/m = 7.77kg	kg	7.77	46.00	357.42
2856	Steel fastener 8 mm X 75 mm	each	40.00	8.00	320.00
2801	MS Suspender 6 mm dia 0.75m long	each	40.00	15.00	600.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				17479.15
	Cartage @ 1% of cost of materials				174.79
	LABOUR				
1005	Fitter, Grade 2	day	2.00	273.00	546.00
1010	Mason, Grade 2	day	2.00	273.00	546.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				19733.94
	Add 15% for Overheads & Profit				2960.09
	Cost for 30 Metre				22694.03
	Rate per Metre				756.47
	Say				756.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.9 375 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2709	MS perforated cable tray painted with powder coating 375 X 62.5 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	595.35	18753.53
2725	MS perforated cable tray Connector 375 X 62.5 X 2 mm	each	9.00	37.80	340.20
2805	35 mm X 35 mm X 4 mm angle iron =20 X 0.425m =8.5 @2.09kg/m = 17.77kg	kg	17.77	45.00	799.65
2856	Steel fastener 8 mm X 75 mm	each	40.00	8.00	320.00
2801	MS Suspender 6 mm dia 0.75m long	each	40.00	15.00	600.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				20873.38
	Cartage @ 1% of cost of materials				208.73
	LABOUR				
1005	Fitter, Grade 2	day	2.00	273.00	546.00
1010	Mason, Grade 2	day	2.00	273.00	546.00
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				22198.81
	Add 15% for Overheads & Profit				3329.82
	Cost for 30 Metre				25528.63
	Rate per Metre				850.95
	Say				851.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.10 450 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2710	MS perforated cable tray painted with powder coating 450 X 62.5 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	688.28	21680.82
2726	MS perforated cable tray Connector 450 X 62.5 X 2 mm	each	9.00	40.95	368.55
2805	35 mm X 35 mm X 4 mm angle iron =20 X 0.5m =10 @2.09kg/m = 20.9kg	kg	20.90	45.00	940.50
2855	Steel fastener 6 mm X 75 mm	each	40.00	5.00	200.00
2801	MS Suspender 6 mm dia 0.75m long	each	40.00	15.00	600.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				23849.87
	Cartage @ 1% of cost of materials				238.50
	LABOUR				
1005	Fitter, Grade 2	day	2.50	273.00	682.50
1010	Mason, Grade 2	day	2.50	273.00	682.50
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				26688.37
	Add 15% for Overheads & Profit				4003.26
	Cost for 30 Metre				30691.63
	Rate per Metre				1023.05
	Say				1023.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.11 600 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2711	MS perforated cable tray painted with powder coating 600 X 62.5 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	865.46	27261.99
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	9.00	44.89	404.01
2805	35 mm X 35 mm X 4 mm angle iron =20 X 0.65m =13 @2.09kg/m = 27.17kg	kg	27.17	45.00	1222.65
2856	Steel fastener 8 mm X 75 mm	each	40.00	8.00	320.00
2802	MS Suspender 8 mm dia 0.75m long	each	40.00	20.00	800.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				30068.65
	Cartage @ 1% of cost of materials				300.69
	LABOUR				
1005	Fitter, Grade 2	day	2.50	273.00	682.50
1010	Mason, Grade 2	day	2.50	273.00	682.50
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				32969.34
	Add 15% for Overheads & Profit				4945.40
	Cost for 30 Metre				37914.74
	Rate per Metre				1263.82
	Say				1264.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.12 750 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2712	MS perforated cable tray painted with powder coating 750 X 62.5 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	1028.48	32397.12
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	9.00	49.61	446.49
2805	35 mm X 35 mm X 4 mm angle iron =20 X 0.8m =16 @2.09kg/m = 33.44kg	kg	33.44	45.00	1504.80
2856	Steel fastener 8 mm X 75 mm	each	40.00	8.00	320.00
2802	MS Suspender 8 mm dia 0.75m long	each	40.00	20.00	800.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				35528.41
	Cartage @ 1% of cost of materials				355.28
	LABOUR				
1005	Fitter, Grade 2	day	2.50	273.00	682.50
1010	Mason, Grade 2	day	2.50	273.00	682.50
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				38483.69
	Add 15% for Overheads & Profit				5772.55
	Cost for 30 Metre				44256.24
	Rate per Metre				1475.21
	Say				1475.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.13 900 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2713	MS perforated cable tray painted with powder coating 900 X 62.5 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	1227.71	38672.87
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	9.00	52.76	474.84
2806	35 mm X 35 mm X 5 mm angle iron =20 X 0.95m =19 @2.59kg/m = 49.21kg	kg	49.21	45.00	2214.45
2856	Steel fastener 8 mm X 75 mm	each	40.00	8.00	320.00
2803	MS Suspender 10 mm dia 0.75m long	each	40.00	30.00	1200.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				42942.16
	Cartage @ 1% of cost of materials				429.42
	LABOUR				
1005	Fitter, Grade 2	day	2.50	273.00	682.50
1010	Mason, Grade 2	day	2.50	273.00	682.50
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				45971.58
	Add 15% for Overheads & Profit				6895.74
	Cost for 30 Metre				52867.32
	Rate per Metre				1762.24
	Say				1762.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.14 600 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2714	MS perforated cable tray painted with powder coating 600 X 75 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	896.18	28229.67
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	9.00	44.89	404.01
2805	35 mm X 35 mm X 4 mm angle iron =20 X 0.65m =13 @2.09kg/m = 27.17kg	kg	27.17	45.00	1222.65
2856	Steel fastener 8 mm X 75 mm	each	40.00	8.00	320.00
2802	MS Suspender 8 mm dia 0.75m long	each	40.00	20.00	800.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				31036.33
	Cartage @ 1% of cost of materials				310.36
	LABOUR				
1005	Fitter, Grade 2	day	2.50	273.00	682.50
1010	Mason, Grade 2	day	2.50	273.00	682.50
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				33946.69
	Add 15% for Overheads & Profit				5092.00
	Cost for 30 Metre				39038.69
	Rate per Metre				1301.29
	Say				1301.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.15 750 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2715	MS perforated cable tray painted with powder coating 750 X 75 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	1054.46	33215.49
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	9.00	49.61	446.49
2805	35 mm X 35 mm X 4 mm angle iron =20 X 0.8m =16 @2.09kg/m = 33.44kg	kg	33.44	45.00	1504.80
2856	Steel fastener 8 mm X 75 mm	each	40.00	8.00	320.00
2802	MS Suspender 8 mm dia 0.75m long	each	40.00	20.00	800.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				36346.78
	Cartage @ 1% of cost of materials				363.47
	LABOUR				
1005	Fitter, Grade 2	day	2.50	273.00	682.50
1010	Mason, Grade 2	day	2.50	273.00	682.50
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				39310.25
	Add 15% for Overheads & Profit				5896.54
	Cost for 30 Metre				45206.79
	Rate per Metre				1506.89
	Say				1507.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.1.16 900 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 metres				
	MATERIAL				
2716	MS perforated cable tray painted with powder coating 900 X 75 X 2 mm = 30 + 1.5 (Wastage @ 5%) = 31.5m	metre	31.50	1258.43	39640.55
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	9.00	52.76	474.84
2806	35 mm X 35 mm X 5 mm angle iron =20 X 0.95m =19 @2.59kg/m = 49.21kg	kg	49.21	45.00	2214.45
2856	Steel fastener 8 mm X 75 mm	each	40.00	8.00	320.00
2803	MS Suspender 10 mm dia 0.75m long	each	40.00	30.00	1200.00
2936	Painting with primer and finish paint	L.S.	20.00	3.00	60.00
	Total cost of materials				43909.84
	Cartage @ 1% of cost of materials				439.10
	LABOUR				
1005	Fitter, Grade 2	day	2.50	273.00	682.50
1010	Mason, Grade 2	day	2.50	273.00	682.50
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				46701.94
	Add 15% for Overheads & Profit				7005.29
	Cost for 30 Metre				53707.23
	Rate per Metre				1790.24
	Say				1790.00

CHAPTER 4 – CABLE TRAYS

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2733	MS perforated cable tray Bend 100 X 50 X 1.6 mm	each	1.00	444.15	444.15
2717	MS perforated cable tray Connector 100 X 50 X 1.6 mm	each	1.00	22.84	22.84
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.15m =0.15 @1.11kg/m = 0.17kg	kg	0.17	46.00	7.82
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				517.81
	Cartage @ 1% of cost of materials				5.18
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				589.81
	Add 15% for Overheads & Profit				88.47
	TOTAL				678.28
	Rate for 1 No				678.28
	Say				678.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.2.2 150 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2734	MS perforated cable tray Bend 150 X 50 X 1.6 mm	each	1.00	546.53	546.53
2718	MS perforated cable tray Connector 150 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.2m =0.2 @1.11kg/m = 0.22kg	kg	0.22	46.00	10.12
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				628.79
	Cartage @ 1% of cost of materials				6.29
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				687.08
	Add 15% for Overheads & Profit				103.06
	TOTAL				790.14
	Rate for 1 No				790.14
	Say				790.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.3 200 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2735	MS perforated cable tray Bend 225 X 50 X 1.6 mm	each	1.00	715.05	715.05
2719	MS perforated cable tray Connector 225 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.25m =0.25 @1.11kg/m = 0.28kg	kg	0.28	46.00	12.88
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				800.07
	Cartage @ 1% of cost of materials				8.00
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				860.07
	Add 15% for Overheads & Profit				129.01
	TOTAL				989.08
	Rate for 1 No				989.08
	Say				989.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.4 300 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2736	MS perforated cable tray Bend 300 X 50 X 1.6 mm	each	1.00	889.09	889.09
2720	MS perforated cable tray Connector 300 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.35m =0.35 @1.11kg/m = 0.39kg	kg	0.39	46.00	17.94
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				979.17
	Cartage @ 1% of cost of materials				9.79
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1040.96
	Add 15% for Overheads & Profit				156.14
	TOTAL				1197.10
	Rate for 1 No				1197.10
	Say				1197.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.5 375 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2737	MS perforated cable tray Bend 375 X 50 X 2 mm	each	1.00	1130.06	1130.06
2721	MS perforated cable tray Connector 375 X 50 X 2 mm	each	1.00	32.29	32.29
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.425m =0.43 @2.09kg/m = 0.9kg	kg	0.90	45.00	40.50
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1245.85
	Cartage @ 1% of cost of materials				12.46
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1310.31
	Add 15% for Overheads & Profit				196.55
	TOTAL				1506.86
	Rate for 1 No				1506.86
	Say				1507.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.6 450 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2738	MS perforated cable tray Bend 450 X 50 X 2 mm	each	1.00	1318.28	1318.28
2722	MS perforated cable tray Connector 450 X 50 X 2 mm	each	1.00	37.80	37.80
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.5m =0.5 @2.09kg/m = 1.05kg	kg	1.05	45.00	47.25
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1456.33
	Cartage @ 1% of cost of materials				14.56
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1522.89
	Add 15% for Overheads & Profit				228.43
	TOTAL				1751.32
	Rate for 1 No				1751.32
	Say				1751.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.7 600 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2739	MS perforated cable tray Bend 600 X 50 X 2 mm	each	1.00	1677.38	1677.38
2723	MS perforated cable tray Connector 600 X 50 X 2 mm	each	1.00	41.74	41.74
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1839.32
	Cartage @ 1% of cost of materials				18.39
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1909.71
	Add 15% for Overheads & Profit				286.46
	TOTAL				2196.17
	Rate for 1 No				2196.17
	Say				2196.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.8 300 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2740	MS perforated cable tray Bend 300 X 62.5 X 2 mm	each	1.00	1010.36	1010.36
2724	MS perforated cable tray Connector 300 X 62.5 X 2 mm	each	1.00	32.29	32.29
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.35m =0.35 @1.11kg/m = 0.39kg	kg	0.39	46.00	17.94
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1109.59
	Cartage @ 1% of cost of materials				11.10
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1172.69
	Add 15% for Overheads & Profit				175.90
	TOTAL				1348.59
	Rate for 1 No				1348.59
	Say				1349.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.9 375 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2741	MS perforated cable tray Bend 375 X 62.5 X 2 mm	each	1.00	1191.49	1191.49
2725	MS perforated cable tray Connector 375 X 62.5 X 2 mm	each	1.00	37.80	37.80
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.425m =0.43 @2.09kg/m = 0.9kg	kg	0.90	45.00	40.50
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1318.79
	Cartage @ 1% of cost of materials				13.19
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1383.98
	Add 15% for Overheads & Profit				207.60
	TOTAL				1591.58
	Rate for 1 No				1591.58
	Say				1592.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.2.10 450 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2742	MS perforated cable tray Bend 450 X 62.5 X 2 mm	each	1.00	1374.19	1374.19
2726	MS perforated cable tray Connector 450 X 62.5 X 2 mm	each	1.00	40.95	40.95
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.5m =0.5 @2.09kg/m = 1.05kg	kg	1.05	45.00	47.25
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1505.39
	Cartage @ 1% of cost of materials				15.05
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				1603.64
	Add 15% for Overheads & Profit				240.55
	TOTAL				1844.19
	Rate for 1 No				1844.19
	Say				1844.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.11 600 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2743	MS perforated cable tray Bend 600 X 62.5 X 2 mm	each	1.00	1733.29	1733.29
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	1.00	44.89	44.89
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1898.38
	Cartage @ 1% of cost of materials				18.98
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				2000.56
	Add 15% for Overheads & Profit				300.08
	TOTAL				2300.64
	Rate for 1 No				2300.64
	Say				2301.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.2.12 750 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2744	MS perforated cable tray Bend 750 X 62.5 X 2 mm	each	1.00	2058.53	2058.53
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	1.00	49.61	49.61
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.8m =0.8 @2.09kg/m = 1.67kg	kg	1.67	45.00	75.15
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2242.29
	Cartage @ 1% of cost of materials				22.42
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				2347.91
	Add 15% for Overheads & Profit				352.19
	TOTAL				2700.10
	Rate for 1 No				2700.10
	Say				2700.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.13 900 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2745	MS perforated cable tray Bend 900 X 62.5 X 2 mm	each	1.00	2457.79	2457.79
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	1.00	52.76	52.76
2806	35 mm X 35 mm X 5 mm angle iron =1 X 0.95m =0.95 @2.59kg/m = 2.46kg	kg	2.46	45.00	110.70
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2680.25
	Cartage @ 1% of cost of materials				26.80
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				2790.25
	Add 15% for Overheads & Profit				418.54
	TOTAL				3208.79
	Rate for 1 No				3208.79
	Say				3209.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.14 600 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2746	MS perforated cable tray Bend 600 X 75 X 2 mm	each	1.00	1794.71	1794.71
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	1.00	44.89	44.89
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1959.80
	Cartage @ 1% of cost of materials				19.60
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				2062.60
	Add 15% for Overheads & Profit				309.39
	TOTAL				2371.99
	Rate for 1 No				2371.99
	Say				2372.00

CHAPTER 4 – CABLE TRAYS

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.

4.2.15 750 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2747	MS perforated cable tray Bend 750 X 75 X 2 mm	each	1.00	2112.08	2112.08
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	1.00	49.61	49.61
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.8m =0.8 @2.09kg/m = 1.67kg	kg	1.67	45.00	75.15
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2295.84
	Cartage @ 1% of cost of materials				22.96
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				2402.00
	Add 15% for Overheads & Profit				360.30
	TOTAL				2762.30
	Rate for 1 No				2762.30
	Say				2762.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.2.16 900 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2748	MS perforated cable tray Bend 900 X 75 X 2 mm	each	1.00	2517.64	2517.64
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	1.00	52.76	52.76
2806	35 mm X 35 mm X 5 mm angle iron =1 X 0.95m =0.95 @2.59kg/m = 2.46kg	kg	2.46	45.00	110.70
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2740.10
	Cartage @ 1% of cost of materials				27.40
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				2835.88
	Add 15% for Overheads & Profit				425.38
	TOTAL				3261.26
	Rate for 1 No				3261.26
	Say				3261.00

CHAPTER 4 – CABLE TRAYS

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2765	MS perforated cable tray Tee 100 X 50 X 1.6 mm	each	1.00	666.23	666.23
2717	MS perforated cable tray Connector 100 X 50 X 1.6 mm	each	1.00	22.84	22.84
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.15m =0.15 @1.11kg/m = 0.17kg	kg	0.17	46.00	7.82
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				739.89
	Cartage @ 1% of cost of materials				7.40
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				814.11
	Add 15% for Overheads & Profit				122.12
	TOTAL				936.23
	Rate for 1 No				936.23
	Say				936.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.3.2 150 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2766	MS perforated cable tray Tee 150 X 50 X 1.6 mm	each	1.00	819.79	819.79
2718	MS perforated cable tray Connector 150 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.2m =0.2 @1.11kg/m = 0.22kg	kg	0.22	46.00	10.12
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				902.05
	Cartage @ 1% of cost of materials				9.02
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				963.07
	Add 15% for Overheads & Profit				144.46
	TOTAL				1107.53
	Rate for 1 No				1107.53
	Say				1108.00

CHAPTER 4 – CABLE TRAYS

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.

4.3.3 200 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2767	MS perforated cable tray Tee 225 X 50 X 1.6 mm	each	1.00	1074.15	1074.15
2719	MS perforated cable tray Connector 225 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.25m =0.25 @1.11kg/m = 0.28kg	kg	0.28	46.00	12.88
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1159.17
	Cartage @ 1% of cost of materials				11.59
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1222.76
	Add 15% for Overheads & Profit				183.41
	TOTAL				1406.17
	Rate for 1 No				1406.17
	Say				1406.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.3.4 300 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2768	MS perforated cable tray Tee 300 X 50 X 1.6 mm	each	1.00	1333.24	1333.24
2720	MS perforated cable tray Connector 300 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.35m =0.35 @1.11kg/m = 0.39kg	kg	0.39	46.00	17.94
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1423.32
	Cartage @ 1% of cost of materials				14.23
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1489.55
	Add 15% for Overheads & Profit				223.43
	TOTAL				1712.98
	Rate for 1 No				1712.98
	Say				1713.00

CHAPTER 4 – CABLE TRAYS

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.

4.3.5 375 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2769	MS perforated cable tray Tee 375 X 50 X 2 mm	each	1.00	1695.49	1695.49
2721	MS perforated cable tray Connector 375 X 50 X 2 mm	each	1.00	32.29	32.29
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.425m =0.43 @2.09kg/m = 0.9kg	kg	0.90	45.00	40.50
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1811.28
	Cartage @ 1% of cost of materials				18.11
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1881.39
	Add 15% for Overheads & Profit				282.21
	TOTAL				2163.60
	Rate for 1 No				2163.60
	Say				2164.00

CHAPTER 4 – CABLE TRAYS

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.

4.3.6 450 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2770	MS perforated cable tray Tee 450 X 50 X 2 mm	each	1.00	1977.41	1977.41
2722	MS perforated cable tray Connector 450 X 50 X 2 mm	each	1.00	37.80	37.80
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.5m =0.5 @2.09kg/m = 1.05kg	kg	1.05	45.00	47.25
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2115.46
	Cartage @ 1% of cost of materials				21.15
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				2188.61
	Add 15% for Overheads & Profit				328.29
	TOTAL				2516.90
	Rate for 1 No				2516.90
	Say				2517.00

CHAPTER 4 – CABLE TRAYS

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.

4.3.7 600 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2771	MS perforated cable tray Tee 600 X 50 X 2 mm	each	1.00	2513.70	2513.70
2723	MS perforated cable tray Connector 600 X 50 X 2 mm	each	1.00	41.74	41.74
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2675.64
	Cartage @ 1% of cost of materials				26.76
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				2754.40
	Add 15% for Overheads & Profit				413.16
	TOTAL				3167.56
	Rate for 1 No				3167.56
	Say				3168.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.3.8 300 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2772	MS perforated cable tray Tee 300 X 62.5 X 2 mm	each	1.00	1514.36	1514.36
2724	MS perforated cable tray Connector 300 X 62.5 X 2 mm	each	1.00	32.29	32.29
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.35m =0.35 @1.11kg/m = 0.39kg	kg	0.39	46.00	17.94
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1613.59
	Cartage @ 1% of cost of materials				16.14
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1681.73
	Add 15% for Overheads & Profit				252.26
	TOTAL				1933.99
	Rate for 1 No				1933.99
	Say				1934.00

CHAPTER 4 – CABLE TRAYS

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.

4.3.9 375 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2773	MS perforated cable tray Tee 375 X 62.5 X 2 mm	each	1.00	1786.05	1786.05
2725	MS perforated cable tray Connector 375 X 62.5 X 2 mm	each	1.00	37.80	37.80
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.425m =0.43 @2.09kg/m = 0.9kg	kg	0.90	45.00	40.50
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1913.35
	Cartage @ 1% of cost of materials				19.13
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1984.48
	Add 15% for Overheads & Profit				297.67
	TOTAL				2282.15
	Rate for 1 No				2282.15
	Say				2282.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.3.10 450 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2774	MS perforated cable tray Tee 450 X 62.5 X 2 mm	each	1.00	2062.46	2062.46
2726	MS perforated cable tray Connector 450 X 62.5 X 2 mm	each	1.00	40.95	40.95
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.5m =0.5 @2.09kg/m = 1.05kg	kg	1.05	45.00	47.25
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2193.66
	Cartage @ 1% of cost of materials				21.94
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				2298.80
	Add 15% for Overheads & Profit				344.82
	TOTAL				2643.62
	Rate for 1 No				2643.62
	Say				2644.00

CHAPTER 4 – CABLE TRAYS

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.

4.3.11 600 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2775	MS perforated cable tray Tee 600 X 62.5 X 2 mm	each	1.00	2598.75	2598.75
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	1.00	44.89	44.89
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2763.84
	Cartage @ 1% of cost of materials				27.64
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				2874.68
	Add 15% for Overheads & Profit				431.20
	TOTAL				3305.88
	Rate for 1 No				3305.88
	Say				3306.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.3.12 750 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2776	MS perforated cable tray Tee 750 X 62.5 X 2 mm	each	1.00	3083.85	3083.85
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	1.00	49.61	49.61
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.8m =0.8 @2.09kg/m = 1.67kg	kg	1.67	45.00	75.15
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				3267.61
	Cartage @ 1% of cost of materials				32.68
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				3383.49
	Add 15% for Overheads & Profit				507.52
	TOTAL				3891.01
	Rate for 1 No				3891.01
	Say				3891.00

CHAPTER 4 – CABLE TRAYS

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.

4.3.13 900 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2777	MS perforated cable tray Tee 900 X 62.5 X 2 mm	each	1.00	3685.50	3685.50
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	1.00	52.76	52.76
2806	35 mm X 35 mm X 5 mm angle iron =1 X 0.95m =0.95 @2.59kg/m = 2.46kg	kg	2.46	45.00	110.70
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				3907.96
	Cartage @ 1% of cost of materials				39.08
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				4030.24
	Add 15% for Overheads & Profit				604.54
	TOTAL				4634.78
	Rate for 1 No				4634.78
	Say				4635.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.3.14 600 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2778	MS perforated cable tray Tee 600 X 75 X 2 mm	each	1.00	2689.31	2689.31
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	1.00	44.89	44.89
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2854.40
	Cartage @ 1% of cost of materials				28.54
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				2966.14
	Add 15% for Overheads & Profit				444.92
	TOTAL				3411.06
	Rate for 1 No				3411.06
	Say				3411.00

CHAPTER 4 – CABLE TRAYS

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.

4.3.15 750 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2779	MS perforated cable tray Tee 750 X 75 X 2 mm	each	1.00	3165.75	3165.75
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	1.00	49.61	49.61
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.8m =0.8 @2.09kg/m = 1.67kg	kg	1.67	45.00	75.15
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				3349.51
	Cartage @ 1% of cost of materials				33.50
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				3466.21
	Add 15% for Overheads & Profit				519.93
	TOTAL				3986.14
	Rate for 1 No				3986.14
	Say				3986.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.3.16 900 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2780	MS perforated cable tray Tee 900 X 75 X 2 mm	each	1.00	3774.49	3774.49
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	1.00	52.76	52.76
2806	35 mm X 35 mm X 5 mm angle iron =1 X 0.95m =0.95 @2.59kg/m = 2.46kg	kg	2.46	45.00	110.70
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				3996.95
	Cartage @ 1% of cost of materials				39.97
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				4105.30
	Add 15% for Overheads & Profit				615.80
	TOTAL				4721.10
	Rate for 1 No				4721.10
	Say				4721.00

CHAPTER 4 – CABLE TRAYS

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2781	MS perforated cable tray Cross member 100 X 50 X 1.6 mm	each	1.00	889.09	889.09
2717	MS perforated cable tray Connector 100 X 50 X 1.6 mm	each	1.00	22.84	22.84
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.15m =0.15 @1.11kg/m = 0.17kg	kg	0.17	46.00	7.82
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				962.75
	Cartage @ 1% of cost of materials				9.63
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				1039.20
	Add 15% for Overheads & Profit				155.88
	TOTAL				1195.08
	Rate for 1 No				1195.08
	Say				1195.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.4.2 150 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2782	MS perforated cable tray Cross member 150 X 50 X 1.6 mm	each	1.00	1078.88	1078.88
2718	MS perforated cable tray Connector 150 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.2m =0.2 @1.11kg/m = 0.22kg	kg	0.22	46.00	10.12
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1161.14
	Cartage @ 1% of cost of materials				11.61
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1224.75
	Add 15% for Overheads & Profit				183.71
	TOTAL				1408.46
	Rate for 1 No				1408.46
	Say				1408.00

CHAPTER 4 – CABLE TRAYS

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.

4.4.3 200 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2783	MS perforated cable tray Cross member 225 X 50 X 1.6 mm	each	1.00	1432.46	1432.46
2719	MS perforated cable tray Connector 225 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.25m =0.25 @1.11kg/m = 0.28kg	kg	0.28	46.00	12.88
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1517.48
	Cartage @ 1% of cost of materials				15.17
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1584.65
	Add 15% for Overheads & Profit				237.70
	TOTAL				1822.35
	Rate for 1 No				1822.35
	Say				1822.00

CHAPTER 4 – CABLE TRAYS

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.

4.4.4 300 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2784	MS perforated cable tray Cross member 300 X 50 X 1.6 mm	each	1.00	1776.60	1776.60
2720	MS perforated cable tray Connector 300 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.35m =0.35 @1.11kg/m = 0.39kg	kg	0.39	46.00	17.94
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1866.68
	Cartage @ 1% of cost of materials				18.67
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1937.35
	Add 15% for Overheads & Profit				290.60
	TOTAL				2227.95
	Rate for 1 No				2227.95
	Say				2228.00

CHAPTER 4 – CABLE TRAYS

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.

4.4.5 375 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2785	MS perforated cable tray Cross member 375 X 50 X 2 mm	each	1.00	2260.13	2260.13
2721	MS perforated cable tray Connector 375 X 50 X 2 mm	each	1.00	32.29	32.29
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.425m =0.43 @2.09kg/m = 0.9kg	kg	0.90	45.00	40.50
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2375.92
	Cartage @ 1% of cost of materials				23.76
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				2451.68
	Add 15% for Overheads & Profit				367.75
	TOTAL				2819.43
	Rate for 1 No				2819.43
	Say				2819.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.4.6 450 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2786	MS perforated cable tray Cross member 450 X 50 X 2 mm	each	1.00	2636.55	2636.55
2722	MS perforated cable tray Connector 450 X 50 X 2 mm	each	1.00	37.80	37.80
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.5m =0.5 @2.09kg/m = 1.045kg	kg	1.045	45.00	47.03
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2774.38
	Cartage @ 1% of cost of materials				27.74
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				2854.12
	Add 15% for Overheads & Profit				428.12
	TOTAL				3282.24
	Rate for 1 No				3282.24
	Say				3282.00

CHAPTER 4 – CABLE TRAYS

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.

4.4.7 600 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2787	MS perforated cable tray Cross member 600 X 50 X 2 mm	each	1.00	3353.96	3353.96
2723	MS perforated cable tray Connector 600 X 50 X 2 mm	each	1.00	41.74	41.74
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.358kg	kg	1.358	45.00	61.11
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				3515.81
	Cartage @ 1% of cost of materials				35.16
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				3602.97
	Add 15% for Overheads & Profit				540.45
	TOTAL				4143.42
	Rate for 1 No				4143.42
	Say				4143.00

CHAPTER 4 – CABLE TRAYS

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.

4.4.8 300 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2788	MS perforated cable tray Cross member 300 X 62.5 X 2 mm	each	1.00	2020.73	2020.73
2724	MS perforated cable tray Connector 300 X 62.5 X 2 mm	each	1.00	32.29	32.29
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.35m =0.35 @1.11kg/m = 0.39kg	kg	0.39	46.00	17.94
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2119.96
	Cartage @ 1% of cost of materials				21.20
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				2193.16
	Add 15% for Overheads & Profit				328.97
	TOTAL				2522.13
	Rate for 1 No				2522.13
	Say				2522.00

CHAPTER 4 – CABLE TRAYS

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.

4.4.9 375 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2789	MS perforated cable tray Cross member 375 X 62.5 X 2 mm	each	1.00	2381.40	2381.40
2725	MS perforated cable tray Connector 375 X 62.5 X 2 mm	each	1.00	37.80	37.80
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.425m =0.43 @2.09kg/m = 0.9kg	kg	0.90	45.00	40.50
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2508.70
	Cartage @ 1% of cost of materials				25.09
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				2585.79
	Add 15% for Overheads & Profit				387.87
	TOTAL				2973.66
	Rate for 1 No				2973.66
	Say				2974.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.4.10 450 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2790	MS perforated cable tray Cross member 450 X 62.5 X 2 mm	each	1.00	2749.16	2749.16
2726	MS perforated cable tray Connector 450 X 62.5 X 2 mm	each	1.00	40.95	40.95
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.5m =0.5 @2.09kg/m = 1.05kg	kg	1.05	45.00	47.25
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2880.36
	Cartage @ 1% of cost of materials				28.80
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				2992.36
	Add 15% for Overheads & Profit				448.85
	TOTAL				3441.21
	Rate for 1 No				3441.21
	Say				3441.00

CHAPTER 4 – CABLE TRAYS

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.

4.4.11 600 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2791	MS perforated cable tray Cross member 600 X 62.5 X 2 mm	each	1.00	3466.58	3466.58
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	1.00	44.89	44.89
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				3631.67
	Cartage @ 1% of cost of materials				36.32
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				3751.19
	Add 15% for Overheads & Profit				562.68
	TOTAL				4313.87
	Rate for 1 No				4313.87
	Say				4314.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.4.12 750 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2792	MS perforated cable tray Cross member 750 X 62.5 X 2 mm	each	1.00	4114.69	4114.69
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	1.00	49.61	49.61
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.8m =0.8 @2.09kg/m = 1.67kg	kg	1.67	45.00	75.15
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				4298.45
	Cartage @ 1% of cost of materials				42.98
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				4424.63
	Add 15% for Overheads & Profit				663.69
	TOTAL				5088.32
	Rate for 1 No				5088.32
	Say				5088.00

CHAPTER 4 – CABLE TRAYS

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.

4.4.13 900 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2793	MS perforated cable tray Cross member 900 X 62.5 X 2 mm	each	1.00	4911.64	4911.64
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	1.00	52.76	52.76
2806	35 mm X 35 mm X 5 mm angle iron =1 X 0.95m =0.95 @2.59kg/m = 2.46kg	kg	2.46	45.00	110.70
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				5134.10
	Cartage @ 1% of cost of materials				51.34
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				5268.64
	Add 15% for Overheads & Profit				790.30
	TOTAL				6058.94
	Rate for 1 No				6058.94
	Say				6059.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.4.14 600 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2794	MS perforated cable tray Cross member 600 X 75 X 2 mm	each	1.00	3586.28	3586.28
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	1.00	44.89	44.89
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				3751.37
	Cartage @ 1% of cost of materials				37.51
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				3872.08
	Add 15% for Overheads & Profit				580.81
	TOTAL				4452.89
	Rate for 1 No				4452.89
	Say				4453.00

CHAPTER 4 – CABLE TRAYS

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.

4.4.15 750 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2795	MS perforated cable tray Cross member 750 X 75 X 2 mm	each	1.00	4220.21	4220.21
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	1.00	49.61	49.61
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.8m =0.8 @2.09kg/m = 1.67kg	kg	1.67	45.00	75.15
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				4403.97
	Cartage @ 1% of cost of materials				44.04
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				4531.21
	Add 15% for Overheads & Profit				679.68
	TOTAL				5210.89
	Rate for 1 No				5210.89
	Say				5211.00

CHAPTER 4 – CABLE TRAYS

- 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.

4.4.16 900 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2796	MS perforated cable tray Cross member 900 X 75 X 2 mm	each	1.00	5032.91	5032.91
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	1.00	52.76	52.76
2806	35 mm X 35 mm X 5 mm angle iron =1 X 0.95m =0.95 @2.59kg/m = 2.46kg	kg	2.46	45.00	110.70
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				5255.37
	Cartage @ 1% of cost of materials				52.55
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				5376.30
	Add 15% for Overheads & Profit				806.45
	TOTAL				6182.75
	Rate for 1 No				6182.75
	Say				6183.00

CHAPTER 4 – CABLE TRAYS

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2749	MS perforated cable tray Reducer 100 X 50 X 1.6 mm	each	1.00	333.11	333.11
2717	MS perforated cable tray Connector 100 X 50 X 1.6 mm	each	1.00	22.84	22.84
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.15m =0.15 @1.11kg/m = 0.17kg	kg	0.17	46.00	7.82
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				406.77
	Cartage @ 1% of cost of materials				4.07
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				477.66
	Add 15% for Overheads & Profit				71.65
	TOTAL				549.31
	Rate for 1 No				549.31
	Say				549.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.2 150 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2750	MS perforated cable tray Reducer 150 X 50 X 1.6 mm	each	1.00	405.56	405.56
2718	MS perforated cable tray Connector 150 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.2m =0.2 @1.11kg/m = 0.22kg	kg	0.22	46.00	10.12
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				487.82
	Cartage @ 1% of cost of materials				4.88
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				544.70
	Add 15% for Overheads & Profit				81.71
	TOTAL				626.41
	Rate for 1 No				626.41
	Say				626.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.3 200 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2751	MS perforated cable tray Reducer 225 X 50 X 1.6 mm	each	1.00	536.29	536.29
2719	MS perforated cable tray Connector 225 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.25m =0.25 @1.11kg/m = 0.28kg	kg	0.28	46.00	12.88
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				627.31
	Cartage @ 1% of cost of materials				6.27
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				685.58
	Add 15% for Overheads & Profit				102.84
	TOTAL				788.42
	Rate for 1 No				788.42
	Say				788.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.4 300 mm width X 50 mm depth X 1.6 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2752	MS perforated cable tray Reducer 300 X 50 X 1.6 mm	each	1.00	666.23	666.23
2720	MS perforated cable tray Connector 300 X 50 X 1.6 mm	each	1.00	29.14	29.14
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.35m =0.35 @1.11kg/m = 0.39kg	kg	0.39	46.00	17.94
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				762.31
	Cartage @ 1% of cost of materials				7.62
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				821.93
	Add 15% for Overheads & Profit				123.29
	TOTAL				945.22
	Rate for 1 No				945.22
	Say				945.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.5 375 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2753	MS perforated cable tray Reducer 375 X 50 X 2 mm	each	1.00	847.35	847.35
2721	MS perforated cable tray Connector 375 X 50 X 2 mm	each	1.00	32.29	32.29
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.425m =0.43 @2.09kg/m = 0.9kg	kg	0.90	45.00	40.50
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				969.14
	Cartage @ 1% of cost of materials				9.69
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1030.83
	Add 15% for Overheads & Profit				154.62
	TOTAL				1185.45
	Rate for 1 No				1185.45
	Say				1185.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.6 450 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2754	MS perforated cable tray Reducer 450 X 50 X 2 mm	each	1.00	990.68	990.68
2722	MS perforated cable tray Connector 450 X 50 X 2 mm	each	1.00	37.80	37.80
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.5m =0.5 @2.09kg/m = 1.05kg	kg	1.05	45.00	47.25
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1134.73
	Cartage @ 1% of cost of materials				11.35
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1198.08
	Add 15% for Overheads & Profit				179.71
	TOTAL				1377.79
	Rate for 1 No				1377.79
	Say				1378.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.7 600 mm width X 50 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2755	MS perforated cable tray Reducer 600 X 50 X 2 mm	each	1.00	1233.23	1233.23
2723	MS perforated cable tray Connector 600 X 50 X 2 mm	each	1.00	41.74	41.74
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1395.17
	Cartage @ 1% of cost of materials				13.95
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1461.12
	Add 15% for Overheads & Profit				219.17
	TOTAL				1680.29
	Rate for 1 No				1680.29
	Say				1680.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.8 300 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2756	MS perforated cable tray Reducer 300 X 62.5 X 2 mm	each	1.00	759.15	759.15
2724	MS perforated cable tray Connector 300 X 62.5 X 2 mm	each	1.00	32.29	32.29
2804	25 mm X 25 mm X 3 mm angle iron =1 X 0.35m =0.35 @1.11kg/m = 0.39kg	kg	0.39	46.00	17.94
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				858.38
	Cartage @ 1% of cost of materials				8.58
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				918.96
	Add 15% for Overheads & Profit				137.84
	TOTAL				1056.80
	Rate for 1 No				1056.80
	Say				1057.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.9 375 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2757	MS perforated cable tray Reducer 375 X 62.5 X 2 mm	each	1.00	893.03	893.03
2725	MS perforated cable tray Connector 375 X 62.5 X 2 mm	each	1.00	37.80	37.80
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.425m =0.43 @2.09kg/m = 0.9kg	kg	0.90	45.00	40.50
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1020.33
	Cartage @ 1% of cost of materials				10.20
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1010	Mason, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				1082.53
	Add 15% for Overheads & Profit				162.38
	TOTAL				1244.91
	Rate for 1 No				1244.91
	Say				1245.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.10 450 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No MATERIAL				
2758	MS perforated cable tray Reducer 450 X 62.5 X 2 mm	each	1.00	1028.48	1028.48
2726	MS perforated cable tray Connector 450 X 62.5 X 2 mm	each	1.00	40.95	40.95
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.5m =0.5 @2.09kg/m = 1.05kg	kg	1.05	45.00	47.25
2855	Steel fastener 6 mm X 75 mm	each	2.00	5.00	10.00
2801	MS Suspender 6 mm dia 0.75m long	each	2.00	15.00	30.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1159.68
	Cartage @ 1% of cost of materials				11.60
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				1254.48
	Add 15% for Overheads & Profit				188.17
	TOTAL				1442.65
	Rate for 1 No				1442.65
	Say				1443.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.11 600 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2759	MS perforated cable tray Reducer 600 X 62.5 X 2 mm	each	1.00	1300.16	1300.16
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	1.00	44.89	44.89
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1465.25
	Cartage @ 1% of cost of materials				14.65
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				1563.10
	Add 15% for Overheads & Profit				234.47
	TOTAL				1797.57
	Rate for 1 No				1797.57
	Say				1798.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.12 750 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2760	MS perforated cable tray Reducer 750 X 62.5 X 2 mm	each	1.00	1544.29	1544.29
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	1.00	49.61	49.61
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.8m =0.8 @2.09kg/m = 1.67kg	kg	1.67	45.00	75.15
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1728.05
	Cartage @ 1% of cost of materials				17.28
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				1828.53
	Add 15% for Overheads & Profit				274.28
	TOTAL				2102.81
	Rate for 1 No				2102.81
	Say				2103.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.13 900 mm width X 62.5 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2761	MS perforated cable tray Reducer 900 X 62.5 X 2 mm	each	1.00	1843.54	1843.54
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	1.00	52.76	52.76
2806	35 mm X 35 mm X 5 mm angle iron =1 X 0.95m =0.95 @2.59kg/m = 2.46kg	kg	2.46	45.00	110.70
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2066.00
	Cartage @ 1% of cost of materials				20.66
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				2169.86
	Add 15% for Overheads & Profit				325.48
	TOTAL				2495.34
	Rate for 1 No				2495.34
	Say				2495.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.14 600 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2762	MS perforated cable tray Reducer 600 X 75 X 2 mm	each	1.00	1345.05	1345.05
2727	MS perforated cable tray Connector 600 X 62.5 X 2 mm	each	1.00	44.89	44.89
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.65m =0.65 @2.09kg/m = 1.36kg	kg	1.36	45.00	61.20
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1510.14
	Cartage @ 1% of cost of materials				15.10
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				1608.44
	Add 15% for Overheads & Profit				241.27
	TOTAL				1849.71
	Rate for 1 No				1849.71
	Say				1850.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.15 750 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2763	MS perforated cable tray Reducer 750 X 75 X 2 mm	each	1.00	1582.88	1582.88
2728	MS perforated cable tray Connector 750 X 62.5 X 2 mm	each	1.00	49.61	49.61
2805	35 mm X 35 mm X 4 mm angle iron =1 X 0.8m =0.8 @2.09kg/m = 1.67kg	kg	1.67	45.00	75.15
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1766.64
	Cartage @ 1% of cost of materials				17.67
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				1867.51
	Add 15% for Overheads & Profit				280.13
	TOTAL				2147.64
	Rate for 1 No				2147.64
	Say				2148.00

CHAPTER 4 – CABLE TRAYS

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.

4.5.16 900 mm width X 75 mm depth X 2.0 mm thickness

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2764	MS perforated cable tray Reducer 900 X 75 X 2 mm	each	1.00	1888.43	1888.43
2729	MS perforated cable tray Connector 900 X 62.5 X 2 mm	each	1.00	52.76	52.76
2806	35 mm X 35 mm X 5 mm angle iron =1 X 0.95m =0.95 @2.59kg/m = 2.46kg	kg	2.46	45.00	110.70
2856	Steel fastener 8 mm X 75 mm	each	2.00	8.00	16.00
2802	MS Suspender 8 mm dia 0.75m long	each	2.00	20.00	40.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2110.89
	Cartage @ 1% of cost of materials				21.11
	LABOUR				
1005	Fitter, Grade 2	day	0.08	273.00	21.84
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				2200.38
	Add 15% for Overheads & Profit				330.06
	TOTAL				2530.44
	Rate for 1 No				2530.44
	Say				2530.00

CHAPTER 5 – EARTHING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Set				
	MATERIAL				
2826	40 mm dia. G.I. pipe, medium class = 4.50 + 0.23 (Wastage @ 5%) = 4.73m	metre	4.73	213.11	1008.01
2922	CI/MS cover plate hinged to frame with Locking arrangement	each	1.00	236.25	236.25
2836	40 mm to 20 mm reducer	each	1.00	29.40	29.40
2918	Funnel	each	1.00	15.00	15.00
2919	G.I. nuts and through bolts with washer	each	1.00	20.00	20.00
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	each	50.00	2.90	145.00
2948	Cement	tonne	0.01	5000.00	50.00
2946	Fine sand	cum	0.03	640.00	17.28
	Total cost of materials				1520.94
	Cartage @ 1% of cost of materials				15.21
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
1010	Mason, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie 0.2+0.25	day	0.45	247.00	111.15
1083	Drilling of 46 Nos 12 mm dia holes on G.I. pipe	L.S.	1.00	230.00	230.00
	TOTAL				2205.90
	Add 15% for Overheads & Profit				330.89
	TOTAL				2536.79
	Rate per Set				2536.79
	Say				2537.00

CHAPTER 5 – EARTHING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Set				
	MATERIAL				
2826	40 mm dia. G.I. pipe, medium class = 4.50 + 0.23 (Wastage @ 5%) = 4.73m	metre	4.73	213.11	1008.01
2922	CI/MS cover plate hinged to frame with Locking arrangement	each	1.00	236.25	236.25
2836	40 mm to 20 mm reducer	each	1.00	29.40	29.40
2918	Funnel	each	1.00	15.00	15.00
2919	G.I. nuts and through bolts with washer	each	1.00	20.00	20.00
2941	Charcoal	kg	64.00	8.00	512.00
2943	Salt	kg	5.00	7.00	35.00
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	each	50.00	2.90	145.00
2948	Cement	tonne	0.01	5000.00	50.00
2946	Fine sand	cum	0.03	640.00	17.28
	Total cost of materials				2067.94
	Cartage @ 1% of cost of materials				20.68
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
1010	Mason, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie 0.2+1.0	day	1.20	247.00	296.40
1083	Drilling of 46 Nos 12 mm dia holes on G.I. pipe	L.S.	1.00	230.00	230.00
	TOTAL				2943.62
	Add 15% for Overheads & Profit				441.54
	TOTAL				3385.16
	Rate per Set				3385.16
	Say				3385.00

CHAPTER 5 – EARTHING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Set				
	MATERIAL				
2915	600 mm X 600 mm X 6 mm thick G.I. plate	each	1.00	1176.00	1176.00
2825	20 mm dia. G.I. pipe (medium class) = 2.70 + 0.14 (Wastage @ 5%) = 2.84m	metre	2.84	104.82	297.69
2922	CI/MS cover plate hinged to frame with Locking arrangement	each	1.00	236.25	236.25
2918	Funnel	each	1.00	15.00	15.00
2919	G.I. nuts and through bolts with washer	each	1.00	20.00	20.00
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	each	50.00	2.90	145.00
2948	Cement	tonne	0.01	5000.00	50.00
2946	Fine sand	cum	0.03	640.00	17.28
	Total cost of materials				1957.22
	Cartage @ 1% of cost of materials				19.57
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
1010	Mason, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie 0.2+1.25	day	1.45	247.00	358.15
	TOTAL				2663.54
	Add 15% for Overheads & Profit				399.53
	TOTAL				3063.07
	Rate per Set				3063.07
	Say				3063.00

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Set				
	MATERIAL				
2915	600 mm X 600 mm X 6 mm thick G.I. plate	each	1.00	1176.00	1176.00
2825	20 mm dia. G.I. pipe (medium class) = 2.70 + 0.14 (Wastage @ 5%) = 2.84m	metre	2.84	104.82	297.69
2922	CI/MS cover plate hinged to frame with Locking arrangement	each	1.00	236.25	236.25
2918	Funnel	each	1.00	15.00	15.00
2919	G.I. nuts and through bolts with washer	each	1.00	20.00	20.00
2941	Charcoal	kg	96.00	8.00	768.00
2943	Salt	kg	5.00	7.00	35.00
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	each	50.00	2.90	145.00
2948	Cement	tonne	0.01	5000.00	50.00
2946	Fine sand	cum	0.03	640.00	17.28
	Total cost of materials				2760.22
	Cartage @ 1% of cost of materials				27.60
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
1010	Mason, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie 0.2+1.25	day	1.45	247.00	358.15
	TOTAL				3474.57
	Add 15% for Overheads & Profit				521.19
	TOTAL				3995.76
	Rate per Set				3995.76
	Say				3996.00

CHAPTER 5 – EARTHING

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Set				
	MATERIAL				
2905	600 mm X 600 mm X 3 mm thick copper plate (10.5 kg)	each	1.00	5105.10	5105.10
2825	20 mm dia. G.I. pipe (medium class) = 2.70 + 0.14 (Wastage @ 5%) = 2.84m	metre	2.84	104.82	297.69
2922	CI/MS cover plate hinged to frame with Locking arrangement	each	1.00	236.25	236.25
2918	Funnel	each	1.00	15.00	15.00
2919	G.I. nuts and through bolts with washer	each	1.00	20.00	20.00
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	each	50.00	2.90	145.00
2948	Cement	tonne	0.01	5000.00	50.00
2946	Fine sand	cum	0.03	640.00	17.28
	Total cost of materials				5886.32
	Cartage @ 1% of cost of materials				58.86
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
1010	Mason, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie 0.2+1.25	day	1.45	247.00	358.15
	TOTAL				6631.93
	Add 15% for Overheads & Profit				994.79
	TOTAL				7626.72
	Rate per Set				7626.72
	Say				7627.00

CHAPTER 5 – EARTHING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one Set				
	MATERIAL				
2905	600 mm X 600 mm X 3 mm thick copper plate (10.5 kg)	each	1.00	5105.10	5105.10
2825	20 mm dia. G.I. pipe (medium class) = 2.70 + 0.14 (Wastage @ 5%) = 2.84m	metre	2.84	104.82	297.69
2922	CI/MS cover plate hinged to frame with Locking arrangement	each	1.00	236.25	236.25
2918	Funnel	each	1.00	15.00	15.00
2919	G.I. nuts and through bolts with washer	each	1.00	20.00	20.00
2941	Charcoal	kg	96.00	8.00	768.00
2943	Salt	kg	5.00	7.00	35.00
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	each	50.00	2.90	145.00
2948	Cement	tonne	0.01	5000.00	50.00
2946	Fine sand	cum	0.03	640.00	17.28
	Total cost of materials				6689.32
	Cartage @ 1% of cost of materials				66.89
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
1010	Mason, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie 0.2+1.25	day	1.45	247.00	358.15
	TOTAL				7442.96
	Add 15% for Overheads & Profit				1116.44
	TOTAL				8559.40
	Rate per Set				8559.40
	Say				8559.00

CHAPTER 5 – EARTHING

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 Metres				
	MATERIAL				
2916	6 SWG G.I. Wire (0.147 kg/mtr) = 30x0.147 = 4.41 + 0.22 (Wastage @ 5%) = 4.63kg	kg	4.63	55.65	257.66
1085	Solder jointing	each	2.00	10.00	20.00
	Total cost of materials				257.66
	Cartage @ 1% of cost of materials				2.58
	LABOUR				
1001	Wireman	day	0.13	301.00	37.63
1007	Khallasi	day	0.13	247.00	30.88
1012	Beldar/ coolie	day	1.00	247.00	247.00
	TOTAL				595.75
	Add 15% for Overheads & Profit				89.36
	Cost for 30 Metre				685.11
	Rate per Metre				22.84
	Say				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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 Metres				
	MATERIAL				
2902	25 mm X 5 mm copper tape (1.15 kg/mtr) = 30x1.15 = 34.5g	kg	34.50	498.75	17206.88
1085	Solder jointing	each	5.00	10.00	50.00
	Total cost of materials				17206.88
	Cartage @ 1% of cost of materials				172.07
	LABOUR				
1001	Wireman	day	0.13	301.00	37.63
1007	Khallasi	day	0.13	247.00	30.88
1012	Beldar/ coolie	day	1.00	247.00	247.00
	TOTAL				17744.46
	Add 15% for Overheads & Profit				2661.67
	Cost for 30 Metre				20406.13
	Rate per Metre				680.20
	Say				680.00

CHAPTER 5 – EARTHING

- 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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 Metres				
	MATERIAL				
2913	25 mm X 6 mm G.I. strip (1.2 kg/mtr) = 30x1.2 = 36.0 + 1.8 (Wastage @ 5%) = 37.8kg	kg	37.80	55.65	2103.57
1085	Solder jointing	each	5.00	10.00	50.00
	Total cost of materials				2103.57
	Cartage @ 1% of cost of materials				21.04
	LABOUR				
1001	Wireman	day	0.13	301.00	37.63
1007	Khallasi	day	0.13	247.00	30.88
1002	Cable jointer	day	1.00	301.00	301.00
	TOTAL				2544.12
	Add 15% for Overheads & Profit				381.62
	Cost for 30 Metre				2925.74
	Rate per Metre				97.52
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2902	25 mm X 5 mm copper tape (1.15 kg/mtr) = 10x1.15 = 11.5 kg	kg	11.50	498.75	5735.63
2826	40 mm dia. G.I. pipe, medium class = 10.0 + 0.5 (Wastage @ 5%) = 10.5m	metre	10.50	213.11	2237.66
2838	40 mm dia. G.I. bend (medium class)	each	1.00	96.80	96.80
	Total cost of materials				8070.09
	Cartage @ 1% of cost of materials				80.70
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
1012	Beldar/ coolie	day	0.33	247.00	81.51
	TOTAL				8369.30
	Add 15% for Overheads & Profit				1255.40
	TOTAL				9624.70
	Cost for 10 Metre				9624.70
	Rate per Metre				962.47
	Say				962.00

CHAPTER 5 – EARTHING

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2912	25 mm X 5 mm G.I. strip (1.0 kg/mtr) = 10x1.0 = 10.0 + 0.5 (Wastage @ 5%) = 10.5kg	kg	10.50	55.65	584.33
2826	40 mm dia. G.I. pipe, medium class = 10.0 + 0.5 (Wastage @ 5%) = 10.5m	metre	10.50	213.11	2237.66
2838	40 mm dia. G.I. bend (medium class)	each	1.00	96.80	96.80
	Total cost of materials				2918.79
	Cartage @ 1% of cost of materials				29.19
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
1012	Beldar/ coolie	day	0.33	247.00	81.51
	TOTAL				3166.49
	Add 15% for Overheads & Profit				474.97
	Cost for 10 Metre				3641.46
	Rate per Metre				364.15
	Say				364.00

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2824	15 mm dia. G.I. pipe, medium class = 10.0 + 0.5 (Wastage @ 5%) = 10.5m	metre	10.50	81.53	856.07
2916	6 SWG G.I. Wire (0.147 kg/mtr) = 10x0.147 = 1.47 + 0.09 (Wastage @ 5%) = 1.79kg	kg	1.79	55.65	99.61
	Total cost of materials				955.68
	Cartage @ 1% of cost of materials				9.56
	LABOUR				
1001	Wireman	day	0.17	301.00	49.67
1007	Khallasi	day	0.17	247.00	40.76
1012	Beldar/ coolie	day	0.33	247.00	81.51
	TOTAL				1137.18
	Add 15% for Overheads & Profit				170.58
	Cost for 10 Metre				1307.76
	Rate per Metre				130.78
	Say				131.00

CHAPTER 5 – EARTHING

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2824	15 mm dia. G.I. pipe, medium class = 10.0 + 0.5 (Wastage @ 5%) = 10.5m	metre	10.50	81.53	856.07
2904	8 SWG (4.0 mm dia) copper wire (0.117 kg/mtr) = 10x0.117 = 1.17 kg	kg	1.17	493.50	577.40
	Total cost of materials				1433.47
	Cartage @ 1% of cost of materials				14.33
	LABOUR				
1001	Wireman	day	0.17	301.00	49.67
1007	Khallasi	day	0.17	247.00	40.76
1012	Beldar/ coolie	day	0.33	247.00	81.51
	TOTAL				1619.74
	Add 15% for Overheads & Profit				242.96
	Cost for 10 Metre				1862.70
	Rate per Metre				186.27
	Say				186.00

- 5.14 Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2902	25 mm X 5 mm copper tape (1.15 kg/mtr) = 10x1.15 = 11.5 kg	kg	11.50	498.75	5735.63
2906	Copper saddle	each	17.00	26.25	446.25
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	34.00	0.35	11.90
2857	PVC fastener 40mm long	each	17.00	0.25	4.25
	Total cost of materials				6198.03
	Cartage @ 1% of cost of materials				61.98
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1010	Mason, Grade 2	day	0.25	273.00	68.25
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				6664.01
	Add 15% for Overheads & Profit				999.60
	Cost for 10 Metre				7663.61
	Rate per Metre				766.36
	Say				766.00

CHAPTER 5 – EARTHING

5.15 Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2912	25 mm X 5 mm G.I. strip (1.0 kg/mtr) = 10x1.0 = 10.0 + 0.5 (Wastage @ 5%) = 10.5kg	kg	10.50	55.65	584.33
2917	GI saddle 20mm x 3mm	each	17.00	2.00	34.00
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	34.00	0.35	11.90
2857	PVC fastener 40mm long	each	17.00	0.25	4.25
	Total cost of materials				634.48
	Cartage @ 1% of cost of materials				6.34
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1010	Mason, Grade 2	day	0.25	273.00	68.25
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				1044.82
	Add 15% for Overheads & Profit				156.72
	Cost for 10 Metre				1201.54
	Rate per Metre				120.15
	Say				120.00

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
2916	6 SWG G.I. Wire (0.147 kg/mtr) = 50x0.147 = 7.35 + 0.37 (Wastage @ 5%) = 7.72kg	kg	7.72	55.65	429.62
2921	G.I. Hooks made of 8 SWG GI wire/ GI Clip	each	85.00	2.10	178.50
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				629.37
	Cartage @ 1% of cost of materials				6.29
	LABOUR				
1001	Wireman	day	0.75	301.00	225.75
1010	Mason, Grade 2	day	0.50	273.00	136.50
1007	Khallasi	day	1.25	247.00	308.75
	TOTAL				1306.66
	Add 15% for Overheads & Profit				196.00
	Cost for 50 Metre				1502.66
	Rate per Metre				30.05
	Say				30.00

CHAPTER 5 – EARTHING

5.17 Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
2904	8 SWG (4.0 mm dia) copper wire (0.117 kg/mtr) = 50x0.117 = 5.85 kg	kg	5.88	493.50	2901.78
2921	G.I. Hooks made of 8 SWG GI wire/ GI clip	each	85.00	2.10	178.50
2857	PVC fastener 40mm long	each	85.00	0.25	21.25
	Total cost of materials				3101.53
	Cartage @ 1% of cost of materials				31.02
	LABOUR				
1001	Wireman	day	0.75	301.00	225.75
1010	Mason, Grade 2	day	0.50	273.00	136.50
1007	Khallasi	day	1.25	247.00	308.75
	TOTAL				3803.55
	Add 15% for Overheads & Profit				570.53
	Cost for 50 Metre				4374.08
	Rate per Metre				87.48
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
2916	6 SWG G.I. Wire (0.147 kg/mtr) = 50x0.147 = 7.35 + 0.37 (Wastage @ 5%) = 7.72kg	kg	7.72	55.65	429.62
	Total cost of materials				429.62
	Cartage @ 1% of cost of materials				4.30
	LABOUR				
1001	Wireman	day	0.75	301.00	225.75
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				844.92
	Add 15% for Overheads & Profit				126.74
	Cost for 50 Metre				971.66
	Rate per Metre				19.43
	Say				19.50

CHAPTER 5 – EARTHING

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 50 Metres				
	MATERIAL				
2904	8 SWG (4.0 mm dia) copper wire (0.117 kg/mtr) = 50x0.117 = 5.85 kg	kg	5.88	493.50	2901.78
	Total cost of materials				2901.78
	Cartage @ 1% of cost of materials				29.02
	LABOUR				
1001	Wireman	day	0.75	301.00	225.75
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				3341.80
	Add 15% for Overheads & Profit				501.27
	Cost for 50 Metre				3843.07
	Rate per Metre				76.86
	Say				77.00

5.20 Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2907	50 mm X 5mm copper tape (2.30 kg/mtr) = 10x2.30 = 23.00 kg	kg	23.00	498.75	11471.25
2906	Copper saddle	each	17.00	26.25	446.25
2851	Al. Alloy/ cadmium plated iron screws, 20 mm	each	34.00	0.35	11.90
2857	PVC fastener 40mm long	each	17.00	0.25	4.25
	Total cost of materials				11933.65
	Cartage @ 1% of cost of materials				119.34
	LABOUR				
1001	Wireman	day	0.60	301.00	180.60
1010	Mason, Grade 2	day	0.25	273.00	68.25
1007	Khallasi	day	0.85	247.00	209.95
	TOTAL				12511.79
	Add 15% for Overheads & Profit				1876.77
	Cost for 10 Metre				14388.56
	Rate per Metre				1438.86
	Say				1439.00

CHAPTER 6 – LIGHTNING CONDUCTOR

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One each				
	MATERIAL				
2909	Lightning finial, 25 mm dia X 300 mm long, copper	each	1.00	498.75	498.75
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
	Total cost of materials				518.75
	Cartage @ 1% of cost of materials				5.19
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				609.38
	Add 15% for Overheads & Profit				91.41
	TOTAL				700.79
	Rate per Each				700.79
	Say				701.00

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One each				
	MATERIAL				
2910	Lightning finial, 25 mm dia X 300 mm long, G.I.	each	1.00	176.40	176.40
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
	Total cost of materials				196.40
	Cartage @ 1% of cost of materials				1.96
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				283.80
	Add 15% for Overheads & Profit				42.57
	TOTAL				326.37
	Rate per Each				326.37
	Say				326.00

CHAPTER 6 – LIGHTNING CONDUCTOR

6.3 Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One each				
	MATERIAL				
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
	Total cost of materials				20.00
	Cartage @ 1% of cost of materials				0.20
	LABOUR				
1001	Wireman	day	0.08	301.00	24.08
1010	Mason, Grade 2	day	0.08	273.00	21.84
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				105.64
	Add 15% for Overheads & Profit				15.85
	TOTAL				121.49
	Rate per Each				121.49
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One each				
	MATERIAL				
2860	6 mm dia rivet/ stud/ bolts and nuts	each	2.00	3.15	6.30
2940	Tin solder etc.	L.S.	1.00	20.00	20.00
	Total cost of materials				26.30
	Cartage @ 1% of cost of materials				0.26
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.05	247.00	12.35
	TOTAL				52.56
	Add 15% for Overheads & Profit				7.88
	TOTAL				60.44
	Rate per Each				60.44
	Say				60.50

CHAPTER 6 – LIGHTNING CONDUCTOR

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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2901	20 mm X 3 mm (0.533 kg/mtr) copper tape = 10 m @ 0.533 kg/m = 5.33 kg	kg	5.33	498.75	2658.34
2917	GI saddle 20mm x 3mm	each	10.00	2.00	20.00
2857	PVC fastener 40mm long	each	10.00	0.25	2.50
2852	Iron screws, 35 mm X 6 mm	each	10.00	0.85	8.50
	Total cost of materials				2689.34
	Cartage @ 1% of cost of materials				26.89
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1010	Mason, Grade 2	day	0.13	273.00	34.13
1007	Khallasi	day	0.38	247.00	92.63
	TOTAL				2918.23
	Add 15% for Overheads & Profit				437.73
	Cost for 10 Metre				3355.96
	Rate per Metre				335.60
	Say				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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2901	20 mm X 3 mm (0.533 kg/mtr) copper tape = 10 m @ 0.533 kg/m = 5.33 kg	kg	5.33	498.75	2658.34
2917	GI saddle 20mm x 3mm	each	11.00	2.00	22.00
2857	PVC fastener 40mm long	each	11.00	0.25	2.75
2852	Iron screws, 35 mm X 6 mm	each	10.00	0.85	8.50
	Total cost of materials				2691.59
	Cartage @ 1% of cost of materials				26.92
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1010	Mason, Grade 2	day	0.25	273.00	68.25
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				3122.51
	Add 15% for Overheads & Profit				468.38
	TOTAL				3590.89
	Cost for 10 Metre				3590.89
	Rate per Metre				359.09
	Say				359.00

CHAPTER 6 – LIGHTNING CONDUCTOR

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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2911	20 mm X 3 mm (0.461 kg/mtr) G.I. Tape = 10 + 0.50 (wastage @ 5%) = 10.50m @ 0.461 kg/m = 4.84 kg	kg	4.84	55.65	269.35
2917	GI saddle 20mm x 3mm	each	10.00	2.00	20.00
2857	PVC fastener 40mm long	each	10.00	0.25	2.50
2852	Iron screws, 35 mm X 6 mm	each	10.00	0.85	8.50
	Total cost of materials				300.35
	Cartage @ 1% of cost of materials				3.00
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1010	Mason, Grade 2	day	0.13	273.00	34.13
1007	Khallasi	day	0.38	247.00	92.63
	TOTAL				505.35
	Add 15% for Overheads & Profit				75.80
	Cost for 10 Metre				581.15
	Rate per Metre				58.12
	Say				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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2911	20 mm X 3 mm (0.461 kg/mtr) G.I. Tape = 10 + 0.50 (wastage @ 5%) = 10.50m @ 0.461 kg/m = 4.84 kg	kg	4.84	55.65	269.35
2917	GI saddle 20mm x 3mm	each	11.00	2.00	22.00
2857	PVC fastener 40mm long	each	11.00	0.25	2.75
2852	Iron screws, 35 mm X 6 mm	each	11.00	0.85	9.35
	Total cost of materials				303.45
	Cartage @ 1% of cost of materials				3.03
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1010	Mason, Grade 2	day	0.25	273.00	68.25
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				710.48
	Add 15% for Overheads & Profit				106.57
	Cost for 10 Metre				817.05
	Rate per Metre				81.71
	Say				81.50

CHAPTER 6 – LIGHTNING CONDUCTOR

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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2917	GI saddle 20mm x 3mm	each	10.00	2.00	20.00
2857	PVC fastener 40mm long	each	10.00	0.25	2.50
2852	Iron screws, 35 mm X 6 mm	each	10.00	0.85	8.50
	Total cost of materials				31.00
	Cartage @ 1% of cost of materials				0.31
	LABOUR				
1001	Wireman	day	0.25	301.00	75.25
1010	Mason, Grade 2	day	0.13	273.00	34.13
1007	Khallasi	day	0.38	247.00	92.63
	TOTAL				233.31
	Add 15% for Overheads & Profit				35.00
	Cost for 10 Metre				268.31
	Rate per Metre				26.83
	Say				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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2917	GI saddle 20mm x 3mm	each	11.00	2.00	22.00
2857	PVC fastener 40mm long	each	11.00	0.25	2.75
2935	Cement, paint, sand etc.	L.S.	11.00	4.00	44.00
2852	Iron screws, 35 mm X 6 mm	each	11.00	0.85	9.35
	Total cost of materials				78.10
	Cartage @ 1% of cost of materials				0.78
	LABOUR				
1001	Wireman	day	0.50	301.00	150.50
1010	Mason, Grade 2	day	0.25	273.00	68.25
1007	Khallasi	day	0.75	247.00	185.25
	TOTAL				482.88
	Add 15% for Overheads & Profit				72.43
	Cost for 10 Metre				555.31
	Rate per Metre				55.53
	Say				55.50

CHAPTER 6 – LIGHTNING CONDUCTOR

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One each				
	MATERIAL				
2901	20 mm X 3 mm (0.533 kg/mtr) copper tape = 0.125 m @ 0.533kg/m = 0.066 kg	kg	0.07	498.75	32.92
2871	10 mm X 25 mm long tinned brass bolt with nut etc.	each	4.00	26.25	105.00
	Total cost of materials				137.92
	Cartage @ 1% of cost of materials				1.38
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1007	Khallasi	day	0.03	247.00	6.18
	TOTAL				153.00
	Add 15% for Overheads & Profit				22.95
	TOTAL				175.95
	Rate per Each				175.95
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One each				
	MATERIAL				
2911	20 mm X 3 mm (0.461 kg/mtr) G.I. Tape = 0.125 + 0.006 (Wastage @ 5%) = 0.131m @ 0.461kg/m = 0.067 kg	kg	0.06	55.65	3.34
2866	10 mm X 25 mm long G.I. bolt with nut etc	each	4.00	8.40	33.60
	Total cost of materials				36.94
	Cartage @ 1% of cost of materials				0.37
	LABOUR				
1001	Wireman	day	0.03	301.00	7.53
1007	Khallasi	day	0.03	247.00	6.18
	TOTAL				51.01
	Add 15% for Overheads & Profit				7.65
	TOTAL				58.66
	Rate per Each				58.66
	Say				58.50

CHAPTER 6 – LIGHTNING CONDUCTOR

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2903	32 mm X 6 mm (1.705 kg/mtr) copper tape = 10 m @ 1.705 kg/m = 17.05 kg	kg	17.05	498.75	8503.69
	Total cost of materials				8503.69
	Cartage @ 1% of cost of materials				85.04
	LABOUR				
1001	Wireman	day	0.17	301.00	49.67
1007	Khallasi	day	0.17	247.00	40.76
1012	Beldar/ coolie	day	0.50	247.00	123.50
	TOTAL				8802.65
	Add 15% for Overheads & Profit				1320.40
	Cost for 10 Metre				10123.05
	Rate per Metre				1012.31
	Say				1012.00

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	MATERIAL				
2914	32 mm X 6 mm (1.475 kg/mtr) G.I. Tape = 10 + 0.50 (wastage @ 5%) = 10.50m @ 1.475 kg/m = 15.49 kg	kg	15.49	55.65	862.02
	Total cost of materials				862.02
	Cartage @ 1% of cost of materials				8.62
	LABOUR				
1001	Wireman	day	0.17	301.00	49.67
1007	Khallasi	day	0.17	247.00	40.76
1012	Beldar/ coolie	day	0.50	247.00	123.50
	TOTAL				1084.56
	Add 15% for Overheads & Profit				162.68
	Cost for 10 Metre				1247.24
	Rate per Metre				124.72
	Say				125.00

CHAPTER 6 – LIGHTNING CONDUCTOR

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Metres				
	LABOUR				
1001	Wireman	day	0.17	301.00	49.67
1007	Khallasi	day	0.17	247.00	40.76
1012	Beldar/ coolie	day	0.50	247.00	123.50
	TOTAL				213.92
	Add 15% for Overheads & Profit				32.09
	Cost for 10 Metre				246.01
	Rate per Metre				24.60
	Say				24.50

CHAPTER 7 – MV CABLE LAYING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	8.76	640.00	5606.40
	Total cost of materials				8268.60
	Cartage @ 1% of cost of materials				82.69
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				9640.29
	Add 15% for Overheads & Profit				1446.04
	TOTAL				11086.33
14.4	Excavation including refilling as required	cum	26.26	215.00	5645.90
	Cost for 100 Meters				16732.23
	Rate per Metre				167.32
	Say				167.00

- 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.

7.1.2 Above 35 sq. mm and upto 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	8.76	640.00	5606.40
	Total cost of materials				8268.60
	Cartage @ 1% of cost of materials				82.69
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	6.00	247.00	1482.00
	TOTAL				10134.29
	Add 15% for Overheads & Profit				1520.14
	TOTAL				11654.43
14.4	Excavation including refilling as required	cum	26.26	215.00	5645.90
	Cost for 100 Meters				17300.33
	Rate per Metre				173.00
	Say				173.00

CHAPTER 7 – MV CABLE LAYING

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.

7.1.3 Above 95 sq. mm and upto 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	8.76	640.00	5606.40
	Total cost of materials				8268.60
	Cartage @ 1% of cost of materials				82.69
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	8.00	247.00	1976.00
	TOTAL				10628.29
	Add 15% for Overheads & Profit				1594.24
	TOTAL				12222.53
14.4	Excavation including refilling as required	cum	26.26	215.00	5645.90
	Cost for 100 Meters				17868.43
	Rate per Metre				178.68
	Say				179.00

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.

7.1.4 Above 185 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	8.76	640.00	5606.40
	Total cost of materials				8268.60
	Cartage @ 1% of cost of materials				82.69
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	14.00	247.00	3458.00
	TOTAL				12110.29
	Add 15% for Overheads & Profit				1816.54
	TOTAL				13926.83
14.4	Excavation including refilling as required	cum	26.26	215.00	5645.90
	Cost for 100 Meters				19572.73
	Rate per Metre				195.73
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	5.00	640.00	3200.00
	Total cost of materials				5862.20
	Cartage @ 1% of cost of materials				58.62
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				7209.82
	Add 15% for Overheads & Profit				1081.47
	TOTAL				8291.29
14.4	Excavation including refilling as required	cum	15.00	215.00	3225.00
	Cost for 100 Meters				11516.29
	Rate per Metre				115.16
	Say				115.00

CHAPTER 7 – MV CABLE LAYING

- 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.

7.2.2 Above 35 sq. mm and upto 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	5.00	640.00	3200.00
	Total cost of materials				5862.20
	Cartage @ 1% of cost of materials				58.62
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	6.00	247.00	1482.00
	TOTAL				7703.82
	Add 15% for Overheads & Profit				1155.57
	TOTAL				8859.39
14.4	Excavation including refilling as required	cum	15.00	215.00	3225.00
	Cost for 100 Meters				12084.39
	Rate per Metre				120.84
	Say				121.00

- 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.

7.2.3 Above 95 sq. mm and upto 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	5.00	640.00	3200.00
	Total cost of materials				5862.20
	Cartage @ 1% of cost of materials				58.62
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	8.00	247.00	1976.00
	TOTAL				8197.82
	Add 15% for Overheads & Profit				1229.67
	TOTAL				9427.49
14.4	Excavation including refilling as required	cum	15.00	215.00	3225.00
	Cost for 100 Meters				12652.49
	Rate per Metre				126.52
	Say				127.00

CHAPTER 7 – MV CABLE LAYING

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.

7.2.4 Above 185 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	5.00	640.00	3200.00
	Total cost of materials				5862.20
	Cartage @ 1% of cost of materials				58.62
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	14.00	247.00	3458.00
	TOTAL				9679.82
	Add 15% for Overheads & Profit				1451.97
	TOTAL				11131.79
14.4	Excavation including refilling as required	cum	15.00	215.00	3225.00
	Cost for 100 Meters				14356.79
	Rate per Metre				143.57
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				795.00
	Add 15% for Overheads & Profit				119.25
	TOTAL				914.25
14.4	Excavation including refilling as required	cum	26.26	215.00	5645.90
	Cost for 100 Meters				6560.15
	Rate per Metre				65.60
	Say				65.50

CHAPTER 7 – MV CABLE LAYING

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.

7.3.2 Above 35 sq. mm and upto 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				1289.00
	Add 15% for Overheads & Profit				193.35
	TOTAL				1482.35
14.4	Excavation including refilling as required	cum	26.26	215.00	5645.90
	Cost for 100 Meters				7128.25
	Rate per Metre				71.28
	Say				71.50

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.

7.3.3 Above 95 sq. mm and upto 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	6.00	247.00	1482.00
	TOTAL				1783.00
	Add 15% for Overheads & Profit				267.45
	TOTAL				2050.45
14.4	Excavation including refilling as required	cum	26.26	215.00	5645.90
	Cost for 100 Meters				7696.35
	Rate per Metre				76.96
	Say				77.00

CHAPTER 7 – MV CABLE LAYING

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.

7.3.4 Above 185 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	12.00	247.00	2964.00
	TOTAL				3265.00
	Add 15% for Overheads & Profit				489.75
	TOTAL				3754.75
14.4	Excavation including refilling as required	cum	26.26	215.00	5645.90
	Cost for 100 Meters				9400.65
	Rate per Metre				94.01
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				795.00
	Add 15% for Overheads & Profit				119.25
	TOTAL				914.25
14.4	Excavation including refilling as required	cum	15.00	215.00	3225.00
	Cost for 100 Meters				4139.25
	Rate per Metre				41.39
	Say				41.50

- 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.

7.4.2 Above 35 sq. mm and upto 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				1289.00
	Add 15% for Overheads & Profit				193.35
	TOTAL				1482.35
14.4	Excavation including refilling as required	cum	15.00	215.00	3225.00
	Cost for 100 Meters				4707.35
	Rate per Metre				47.07
	Say				47.00

- 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.

7.4.3 Above 95 sq. mm and upto 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	6.00	247.00	1482.00
	TOTAL				1783.00
	Add 15% for Overheads & Profit				267.45
	TOTAL				2050.45
14.4	Excavation including refilling as required	cum	15.00	215.00	3225.00
	Cost for 100 Meters				5275.45
	Rate per Metre				52.75
	Say				53.00

CHAPTER 7 – MV CABLE LAYING

- 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.

7.4.4 Above 185 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	12.00	247.00	2964.00
	TOTAL				3265.00
	Add 15% for Overheads & Profit				489.75
	TOTAL				3754.75
14.4	Excavation including refilling as required	cum	15.00	215.00	3225.00
	Cost for 100 Meters				6979.75
	Rate per Metre				69.80
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				1042.00
	Add 15% for Overheads & Profit				156.30
	Cost for 100 Meters				1198.30
	Rate per Metre				11.98
	Say				12.00

- 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.

7.5.2 Above 35 sq. mm and upto 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.25	301.00	376.25
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				1611.25
	Add 15% for Overheads & Profit				241.69
	Cost for 100 Meters				1852.94
	Rate per Metre				18.53
	Say				18.50

CHAPTER 7 – MV CABLE LAYING

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.

7.5.3 Above 95 sq. mm and upto 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	7.00	247.00	1729.00
	TOTAL				2180.50
	Add 15% for Overheads & Profit				327.08
	Cost for 100 Meters				2507.58
	Rate per Metre				25.08
	Say				25.00

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.

7.5.4 Above 185 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	13.00	247.00	3211.00
	TOTAL				3813.00
	Add 15% for Overheads & Profit				571.95
	Cost for 100 Meters				4384.95
	Rate per Metre				43.85
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				795.00
	Add 15% for Overheads & Profit				119.25
	Cost for 100 Meters				914.25
	Rate per Metre				9.14
	Say				9.10

CHAPTER 7 – MV CABLE LAYING

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.

7.6.2 Above 35 sq. mm and upto 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				1289.00
	Add 15% for Overheads & Profit				193.35
	Cost for 100 Meters				1482.35
	Rate per Metre				14.82
	Say				15.00

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.

7.6.3 Above 95 sq. mm and upto 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	6.00	247.00	1482.00
	TOTAL				1783.00
	Add 15% for Overheads & Profit				267.45
	Cost for 100 Meters				2050.45
	Rate per Metre				20.50
	Say				20.50

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.

7.6.4 Above 185 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	12.00	247.00	2964.00
	TOTAL				3265.00
	Add 15% for Overheads & Profit				489.75
	Cost for 100 Meters				3754.75
	Rate per Metre				37.55
	Say				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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2881	Saddles = $100/0.45 = 222 + 4$ (Wastage @ 2%) = 226 Nos	each	226.00	0.75	169.50
2854	Iron screws, 45 mm X 6 mm	each	452.00	1.00	452.00
2857	PVC fastener 40mm long	each	452.00	0.25	113.00
2935	Cement, paint, sand etc.	L.S.	2.00	4.00	8.00
	Total cost of materials				742.50
	Cartage @ 1% of cost of materials				7.43
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1010	Mason, Grade 2	day	0.50	273.00	136.50
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				1681.43
	Add 15% for Overheads & Profit				252.21
	Cost for 100 Meters				1933.64
	Rate per Metre				19.34
	Say				19.50

CHAPTER 7 – MV CABLE LAYING

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.

7.7.2 Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2862	32mm X 8mm bolts & nuts = $2 \times (100/0.6) = 334 + 16$ (Wastage @ 5%) = 350 Nos	each	350.00	3.41	1193.50
	25 x 3mm MS flat for clamps = $84 \times 0.16\text{m} = 13.44\text{m}$ @ 0.337kg/m = 4.53 kg				
2809	25 mm X 3 mm flat iron	kg	9.06	46.00	416.76
2855	Steel fastener 6 mm X 75 mm	each	336.00	5.00	1680.00
	Total cost of materials				3290.26
	Cartage @ 1% of cost of materials				32.90
	LABOUR				
1001	Wireman	day	1.25	301.00	376.25
1005	Fitter, Grade 2	day	0.33	273.00	90.09
1009	Blacksmith, Grade 2	day	0.33	273.00	90.09
1010	Mason, Grade 2	day	0.33	273.00	90.09
1007	Khallasi	day	5.00	247.00	1235.00
	TOTAL				5204.68
	Add 15% for Overheads & Profit				780.70
	Cost for 100 Meters				5985.38
	Rate per Metre				59.85
	Say				60.00

CHAPTER 7 – MV CABLE LAYING

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.

7.7.3 Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2862	32mm X 8mm bolts & nuts = $2 \times (100/0.6) = 334 + 16$ (Wastage @ 5%) = 350 Nos	each	350.00	3.41	1193.50
	25 x 3mm MS flat for clamps = $84 \times 0.24\text{m} = 20.16\text{m}$ @ 0.337kg/m = 6.79 kg				
2809	25 mm X 3 mm flat iron	kg	13.58	46.00	624.68
2855	Steel fastener 6 mm X 75 mm	each	336.00	5.00	1680.00
	Total cost of materials				3498.18
	Cartage @ 1% of cost of materials				34.98
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1005	Fitter, Grade 2	day	0.33	273.00	90.09
1009	Blacksmith, Grade 2	day	0.33	273.00	90.09
1010	Mason, Grade 2	day	0.33	273.00	90.09
1007	Khallasi	day	7.00	247.00	1729.00
	TOTAL				5983.93
	Add 15% for Overheads & Profit				897.59
	Cost for 100 Meters				6881.52
	Rate per Metre				68.82
	Say				69.00

CHAPTER 7 – MV CABLE LAYING

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.

7.7.4 Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2862	32mm X 8mm bolts & nuts = $2 \times (100/0.6) = 334 + 16$ (Wastage @ 5%) = 350 Nos	each	350.00	3.41	1193.50
	40 x 3mm MS flat for clamps = $84 \times 0.24\text{m} = 20.16\text{m}$ @ 0.547kg/m = 11.03 kg				
2812	40 mm X 3 mm flat iron	kg	22.06	45.00	992.70
2855	Steel fastener 6 mm X 75 mm	each	336.00	5.00	1680.00
	Total cost of materials				3866.20
	Cartage @ 1% of cost of materials				38.66
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1005	Fitter, Grade 2	day	0.50	273.00	136.50
1009	Blacksmith, Grade 2	day	0.50	273.00	136.50
1010	Mason, Grade 2	day	0.50	273.00	136.50
1007	Khallasi	day	13.50	247.00	3334.50
	TOTAL				8250.86
	Add 15% for Overheads & Profit				1237.63
	Cost for 100 Meters				9488.49
	Rate per Metre				94.88
	Say				95.00

CHAPTER 7 – MV CABLE LAYING

- 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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2881	Saddles = $100/0.45 = 222 + 4$ (Wastage @ 2%) = 226 Nos	each	226.00	0.75	169.50
2854	Iron screws, 45 mm X 6 mm	each	452.00	1.00	452.00
2935	Cement, paint, sand etc.	L.S.	2.00	4.00	8.00
	Total cost of materials				629.50
	Cartage @ 1% of cost of materials				6.30
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				1430.80
	Add 15% for Overheads & Profit				214.62
	Cost for 100 Meters				1645.42
	Rate per Metre				16.45
	Say				16.50

- 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.
 7.8.2 Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2862	32mm X 8mm bolts & nuts = $2 \times (100/0.6) = 334 + 16$ (Wastage @ 5%) = 350 Nos	each	350.00	3.41	1193.50
	25 x 3mm MS flat for clamps = $84 \times 0.16m = 13.44m$ @ 0.337kg/m = 4.53 kg				
2809	25 mm X 3 mm flat iron	kg	9.06	46.00	416.76
	Total cost of materials				1610.26
	Cartage @ 1% of cost of materials				16.10
	LABOUR				
1001	Wireman	day	1.25	301.00	376.25
1005	Fitter, Grade 2	day	0.33	273.00	90.09
1009	Blacksmith, Grade 2	day	0.33	273.00	90.09
1007	Khallasi	day	4.66	247.00	1151.02
	TOTAL				3333.81
	Add 15% for Overheads & Profit				500.07
	Cost for 100 Meters				3833.88
	Rate per Metre				38.34
	Say				38.50

CHAPTER 7 – MV CABLE LAYING

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.

7.8.3 Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2862	32mm X 8mm bolts & nuts = $2 \times (100/0.6) = 334 + 16$ (Wastage @ 5%) = 350 Nos	each	350.00	3.41	1193.50
	25 x 3mm MS flat for clamps = $84 \times 0.24\text{m} = 20.16\text{m}$ @ 0.337kg/m = 6.79 kg				
2809	25 mm X 3 mm flat iron	kg	13.58	46.00	624.68
	Total cost of materials				1818.18
	Cartage @ 1% of cost of materials				18.18
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1005	Fitter, Grade 2	day	0.33	273.00	90.09
1009	Blacksmith, Grade 2	day	0.33	273.00	90.09
1007	Khallasi	day	6.66	247.00	1645.02
	TOTAL				4113.06
	Add 15% for Overheads & Profit				616.96
	Cost for 100 Meters				4730.02
	Rate per Metre				47.30
	Say				47.50

CHAPTER 7 – MV CABLE LAYING

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.

7.8.4 Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2862	32mm X 8mm bolts & nuts = $2 \times (100/0.6) = 334 + 16$ (Wastage @ 5%) = 350 Nos	each	350.00	3.41	1193.50
	40 x 3mm MS flat for clamps = $84 \times 0.24\text{m} = 20.16\text{m}$ @ 0.547kg/m = 11.03 kg				
2812	40 mm X 3 mm flat iron	kg	22.06	45.00	992.70
	Total cost of materials				2186.20
	Cartage @ 1% of cost of materials				21.86
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1005	Fitter, Grade 2	day	0.50	273.00	136.50
1009	Blacksmith, Grade 2	day	0.50	273.00	136.50
1007	Khallasi	day	13.00	247.00	3211.00
	TOTAL				6294.06
	Add 15% for Overheads & Profit				944.11
	Cost for 100 Meters				7238.17
	Rate per Metre				72.38
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost foe One no				
	LABOUR				
1010	Mason, Grade 2	day	0.12	273.00	32.76
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				62.40
	Add 15% for Overheads & Profit				9.36
	TOTAL				71.76
14.4	Excavation including refilling as required	cum	0.22	215.00	47.30
14.7	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	0.03	4516.00	135.48
	TOTAL				254.54
	Rate per Each				254.54
	Say				255.00

CHAPTER 7 – MV CABLE LAYING

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2926	G.I. plate (10 cm X 10 cm X 5 mm)	kg	0.39	63.00	24.57
2806	35 mm X 35 mm X 6 mm angle iron	kg	1.97	45.00	88.65
2868	16 mm X 40 mm bolts and nuts with washers	set	2.00	5.78	11.56
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				127.78
	Cartage @ 1% of cost of materials				1.28
	LABOUR				
1005	Fitter, Grade 2	day	0.12	273.00	32.76
1006	Painter	day	0.077	273.00	21.02
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				212.48
	Add 15% for Overheads & Profit				31.87
	TOTAL				244.35
	Rate per Each				244.35
	Say				244.00

CHAPTER 8 –HV CABLE LAYING

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	8.76	640.00	5606.40
	Total cost of materials				8268.60
	Cartage @ 1% of cost of materials				82.69
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	8.00	247.00	1976.00
	TOTAL				10628.29
	Add 15% for Overheads & Profit				1594.24
	TOTAL				12222.53
14.4	Excavation including refilling as required	cum	42.00	215.00	9030.00
	Cost for 100 Meters				21252.53
	Rate per Metre				212.53
	Say				213.00

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.

8.1.2 Above 120 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	8.76	640.00	5606.40
	Total cost of materials				8268.60
	Cartage @ 1% of cost of materials				82.69
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	14.00	247.00	3458.00
	TOTAL				12110.29
	Add 15% for Overheads & Profit				1816.54
	TOTAL				13926.83
14.4	Excavation including refilling as required	cum	42.00	215.00	9030.00
	Cost for 100 Meters				22956.83
	Rate per Metre				229.57
	Say				230.00

CHAPTER 8 –HV CABLE LAYING

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	5.00	640.00	3200.00
	Total cost of materials				5862.20
	Cartage @ 1% of cost of materials				58.62
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	8.00	247.00	1976.00
	TOTAL				8197.82
	Add 15% for Overheads & Profit				1229.67
	TOTAL				9427.49
14.4	Excavation including refilling as required	cum	24.00	215.00	5160.00
	Cost for 100 Meters				14587.49
	Rate per Metre				145.87
	Say				146.00

- 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
- 8.2.2 Above 120 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	5.00	640.00	3200.00
	Total cost of materials				5862.20
	Cartage @ 1% of cost of materials				58.62
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	14.00	247.00	3458.00
	TOTAL				9679.82
	Add 15% for Overheads & Profit				1451.97
	TOTAL				11131.79
14.4	Excavation including refilling as required	cum	24.00	215.00	5160.00
	Cost for 100 Meters				16291.79
	Rate per Metre				162.92
	Say				163.00

CHAPTER 8 –HV CABLE LAYING

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	7.00	247.00	1729.00
	TOTAL				2180.50
	Add 15% for Overheads & Profit				327.08
	Cost for 100 Meters				2507.58
	Rate per Metre				25.08
	Say				25.00

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.

8.3.2 Above 120 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	13.00	247.00	3211.00
	TOTAL				3813.00
	Add 15% for Overheads & Profit				571.95
	Cost for 100 Meters				4384.95
	Rate per Metre				43.85
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	6.00	247.00	1482.00
	TOTAL				1783.00
	Add 15% for Overheads & Profit				267.45
	Cost for 100 Meters				2050.45
	Rate per Metre				20.50
	Say				20.50

CHAPTER 8 –HV CABLE LAYING

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.

8.4.2 Above 120 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.00	301.00	301.00
1007	Khallasi	day	12.00	247.00	2964.00
	TOTAL				3265.00
	Add 15% for Overheads & Profit				489.75
	Cost for 100 Meters				3754.75
	Rate per Metre				37.55
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	8.76	640.00	5606.40
	Total cost of materials				8268.60
	Cartage @ 1% of cost of materials				82.69
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	8.00	247.00	1976.00
	TOTAL				10778.79
	Add 15% for Overheads & Profit				1616.82
	TOTAL				12395.61
14.4	Excavation including refilling as required	cum	42.00	215.00	9030.00
	Cost for 100 Meters				21425.61
	Rate per Metre				214.26
	Say				214.00

CHAPTER 8 –HV CABLE LAYING

- 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.

8.5.2 Above 120 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	8.76	640.00	5606.40
	Total cost of materials				8268.60
	Cartage @ 1% of cost of materials				82.69
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	14.00	247.00	3458.00
	TOTAL				12260.79
	Add 15% for Overheads & Profit				1839.12
	TOTAL				14099.91
14.4	Excavation including refilling as required	cum	42.00	215.00	9030.00
	Cost for 100 Meters				23129.91
	Rate per Metre				231.30
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	5.00	640.00	3200.00
	Total cost of materials				5862.20
	Cartage @ 1% of cost of materials				58.62
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	8.00	247.00	1976.00
	TOTAL				8348.32
	Add 15% for Overheads & Profit				1252.25
	TOTAL				9600.57
14.4	Excavation including refilling as required	cum	24.00	215.00	5160.00
	Cost for 100 Meters				14760.57
	Rate per Metre				147.61
	Say				148.00

CHAPTER 8 –HV CABLE LAYING

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.

8.6.2 Above 120 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5 = 874 + 44 (Wastage@ 5%) = 918 Nos	each	918.00	2.90	2662.20
2946	Fine sand	cum	5.00	640.00	3200.00
	Total cost of materials				5862.20
	Cartage @ 1% of cost of materials				58.62
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	14.00	247.00	3458.00
	TOTAL				9830.32
	Add 15% for Overheads & Profit				1474.55
	TOTAL				11304.87
14.4	Excavation including refilling as required	cum	24.00	215.00	5160.00
	Cost for 100 Meters				16464.87
	Rate per Metre				164.65
	Say				165.00

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	2.00	301.00	602.00
1007	Khallasi	day	7.00	247.00	1729.00
	TOTAL				2331.00
	Add 15% for Overheads & Profit				349.65
	Cost for 100 Meters				2680.65
	Rate per Metre				26.81
	Say				27.00

CHAPTER 8 –HV CABLE LAYING

- 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.
 8.7.2 Above 120 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	2.50	301.00	752.50
1007	Khallasi	day	13.00	247.00	3211.00
	TOTAL				3963.50
	Add 15% for Overheads & Profit				594.53
	Cost for 100 Meters				4558.03
	Rate per Metre				45.58
	Say				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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	6.00	247.00	1482.00
	TOTAL				1933.50
	Add 15% for Overheads & Profit				290.03
	Cost for 100 Meters				2223.53
	Rate per Metre				22.24
	Say				22.00

- 8.8 Laying of one number XLPE power cable of 33 KV grade of following size in the existing masonry open duct as required.
 8.8.2 Above 120 sq. mm and upto 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 100 Meters				
	LABOUR				
1001	Wireman	day	1.50	301.00	451.50
1007	Khallasi	day	12.00	247.00	2964.00
	TOTAL				3415.50
	Add 15% for Overheads & Profit				512.33
	Cost for 100 Meters				3927.83
	Rate per Metre				39.28
	Say				39.50

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2101	Brass compression gland (19 mm) for 2 X 6 sq. mm 1.1 KV grade cable	set	1.00	37.80	37.80
2201	Aluminium lugs for 6 sq. mm cable	each	2.00	1.43	2.86
	Total cost of materials				40.66
	Cartage @ 1% of cost of materials				0.41
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				95.87
	Add 15% for Overheads & Profit				14.38
	TOTAL				110.25
	Rate per Set				110.25
	Say				110.00

9.1 Supplying and making 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.

9.1.2 2 X 10 sq. mm (19mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2102	Brass compression gland (19 mm) for 2 X 10 sq. mm 1.1 KV grade cable	set	1.00	37.80	37.80
2202	Aluminium lugs for 10 sq. mm cable	each	2.00	1.92	3.84
	Total cost of materials				41.64
	Cartage @ 1% of cost of materials				0.42
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				96.86
	Add 15% for Overheads & Profit				14.53
	TOTAL				111.39
	Rate per Set				111.39
	Say				111.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.3 2 X 16 sq. mm (22mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2103	Brass compression gland for (22 mm) 2 X 16 sq. mm 1.1 KV grade cable	set	1.00	43.58	43.58
2203	Aluminium lugs for 16 sq. mm cable	each	2.00	2.17	4.34
	Total cost of materials				47.92
	Cartage @ 1% of cost of materials				0.48
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				103.20
	Add 15% for Overheads & Profit				15.48
	TOTAL				118.68
	Rate per Set				118.68
	Say				119.00

9.1 Supplying and making 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.

9.1.4 2 X 25 sq. mm (22mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2104	Brass compression gland for (22 mm) 2 X 25 sq. mm 1.1 KV grade cable	set	1.00	43.58	43.58
2204	Aluminium lugs for 25 sq. mm cable	each	2.00	2.89	5.78
	Total cost of materials				49.36
	Cartage @ 1% of cost of materials				0.49
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				104.65
	Add 15% for Overheads & Profit				15.70
	TOTAL				120.35
	Rate per Set				120.35
	Say				120.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.5 2 X 35 sq. mm (25mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2105	Brass compression gland for (25 mm) 2 X 35 sq. mm 1.1 KV grade cable	set	1.00	64.05	64.05
2205	Aluminium lugs for 35 sq. mm cable	each	2.00	3.81	7.62
	Total cost of materials				71.67
	Cartage @ 1% of cost of materials				0.72
	LABOUR				
1002	Cable jointer	day	0.12	301.00	36.12
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				138.15
	Add 15% for Overheads & Profit				20.72
	TOTAL				158.87
	Rate per Set				158.87
	Say				159.00

9.1 Supplying and making 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.

9.1.6 2 X 50 sq. mm (28mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2106	Brass compression gland for (28 mm) 2 X 50 sq. mm 1.1 KV grade cable	set	1.00	99.23	99.23
2206	Aluminium lugs for 50 sq. mm cable	each	2.00	5.78	11.56
	Total cost of materials				110.79
	Cartage @ 1% of cost of materials				1.11
	LABOUR				
1002	Cable jointer	day	0.12	301.00	36.12
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				177.66
	Add 15% for Overheads & Profit				26.65
	TOTAL				204.31
	Rate per Set				204.31
	Say				204.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.7 3 X 10 sq. mm (22mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2107	Brass compression gland for (22 mm) 3 X 10 sq. mm 1.1 KV grade cable	set	1.00	43.58	43.58
2202	Aluminium lugs for 10 sq. mm cable	each	3.00	1.92	5.76
	Total cost of materials				49.34
	Cartage @ 1% of cost of materials				0.49
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				104.63
	Add 15% for Overheads & Profit				15.69
	TOTAL				120.32
	Rate per Set				120.32
	Say				120.00

9.1 Supplying and making 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.

9.1.8 3 X 16 sq. mm (25mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2108	Brass compression gland for (25 mm) 3 X 16 sq. mm 1.1 KV grade cable	set	1.00	64.05	64.05
2203	Aluminium lugs for 16 sq. mm cable	each	3.00	2.17	6.51
	Total cost of materials				70.56
	Cartage @ 1% of cost of materials				0.71
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				126.07
	Add 15% for Overheads & Profit				18.91
	TOTAL				144.98
	Rate per Set				144.98
	Say				145.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.9 3 X 25 sq. mm (25mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2109	Brass compression gland for (25 mm) 3 X 25 sq. mm 1.1 KV grade cable	set	1.00	64.05	64.05
2204	Aluminium lugs for 25 sq. mm cable	each	3.00	2.89	8.67
	Total cost of materials				72.72
	Cartage @ 1% of cost of materials				0.73
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				128.25
	Add 15% for Overheads & Profit				19.24
	TOTAL				147.49
	Rate per Set				147.49
	Say				147.00

9.1 Supplying and making 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.

9.1.10 3 X 35 sq. mm (28mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2110	Brass compression gland for (28 mm) 3 X 35 sq. mm 1.1 KV grade cable	set	1.00	99.23	99.23
2205	Aluminium lugs for 35 sq. mm cable	each	3.00	3.81	11.43
	Total cost of materials				110.66
	Cartage @ 1% of cost of materials				1.11
	LABOUR				
1002	Cable jointer	day	0.12	301.00	36.12
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				177.53
	Add 15% for Overheads & Profit				26.63
	TOTAL				204.16
	Rate per Set				204.16
	Say				204.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.11 3 X 50 sq. mm (32mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2111	Brass compression gland for (32 mm) 3 X 50 sq. mm 1.1 KV grade cable	set	1.00	112.88	112.88
2205	Aluminium lugs for 35 sq. mm cable	each	3.00	3.81	11.43
	Total cost of materials				124.31
	Cartage @ 1% of cost of materials				1.24
	LABOUR				
1002	Cable jointer	day	0.12	301.00	36.12
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				191.31
	Add 15% for Overheads & Profit				28.70
	TOTAL				220.01
	Rate per Set				220.01
	Say				220.00

9.1 Supplying and making 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.

9.1.12 3 X 70 sq. mm (35mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2112	Brass compression gland for (35 mm) 3 X 70 sq. mm 1.1 KV grade cable	set	1.00	140.18	140.18
2207	Aluminium lugs for 70 sq. mm cable	each	3.00	8.66	25.98
	Total cost of materials				166.16
	Cartage @ 1% of cost of materials				1.66
	LABOUR				
1002	Cable jointer	day	0.12	301.00	36.12
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				233.58
	Add 15% for Overheads & Profit				35.04
	TOTAL				268.62
	Rate per Set				268.62
	Say				269.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.13 3 X 95 sq. mm (38mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2113	Brass compression gland for (38 mm) 3 X 95 sq. mm 1.1 KV grade cable	set	1.00	161.18	161.18
2208	Aluminium lugs for 95 sq. mm cable	each	3.00	9.56	28.68
	Total cost of materials				189.86
	Cartage @ 1% of cost of materials				1.90
	LABOUR				
1002	Cable jointer	day	0.16	301.00	48.16
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				279.44
	Add 15% for Overheads & Profit				41.92
	TOTAL				321.36
	Rate per Set				321.36
	Say				321.00

9.1 Supplying and making 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.

9.1.14 3 X 120 sq. mm (45mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2114	Brass compression gland for (45 mm) 3 X 120 sq. mm 1.1 KV grade cable	set	1.00	194.25	194.25
2209	Aluminium lugs for 120 sq. mm cable	each	3.00	13.38	40.14
	Total cost of materials				234.39
	Cartage @ 1% of cost of materials				2.34
	LABOUR				
1002	Cable jointer	day	0.16	301.00	48.16
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				324.41
	Add 15% for Overheads & Profit				48.66
	TOTAL				373.07
	Rate per Set				373.07
	Say				373.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.15 3 X 150 sq. mm (50mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2115	Brass compression gland for (50 mm) 3 X 150 sq. mm 1.1 KV grade cable	set	1.00	246.23	246.23
2210	Aluminium lugs for 150 sq. mm cable	each	3.00	17.32	51.96
	Total cost of materials				298.19
	Cartage @ 1% of cost of materials				2.98
	LABOUR				
1002	Cable jointer	day	0.16	301.00	48.16
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				388.85
	Add 15% for Overheads & Profit				58.33
	TOTAL				447.18
	Rate per Set				447.18
	Say				447.00

9.1 Supplying and making 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.

9.1.16 3 X 185 sq. mm (57mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2116	Brass compression gland for (57 mm) 3 X 185 sq. mm 1.1 KV grade cable	set	1.00	347.03	347.03
2211	Aluminium lugs for 185 sq. mm cable	each	3.00	21.66	64.98
	Total cost of materials				412.01
	Cartage @ 1% of cost of materials				4.12
	LABOUR				
1002	Cable jointer	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				525.73
	Add 15% for Overheads & Profit				78.86
	TOTAL				604.59
	Rate per Set				604.59
	Say				605.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.17 3 X 225 sq. mm (62mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2117	Brass compression gland for (62 mm) 3 X 225 sq. mm 1.1 KV grade cable	set	1.00	430.50	430.50
2212	Aluminium lugs for 225 sq. mm cable	each	3.00	30.29	90.87
	Total cost of materials				521.37
	Cartage @ 1% of cost of materials				5.21
	LABOUR				
1002	Cable jointer	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				636.18
	Add 15% for Overheads & Profit				95.43
	TOTAL				731.61
	Rate per Set				731.61
	Say				732.00

9.1 Supplying and making 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.

9.1.18 3 X 240 sq. mm (62mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2118	Brass compression gland for (62 mm) 3 X 240 sq. mm 1.1 KV grade cable	set	1.00	430.50	430.50
2213	Aluminium lugs for 240 sq. mm cable	each	3.00	37.00	111.00
	Total cost of materials				541.50
	Cartage @ 1% of cost of materials				5.42
	LABOUR				
1002	Cable jointer	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				656.52
	Add 15% for Overheads & Profit				98.48
	TOTAL				755.00
	Rate per Set				755.00
	Say				755.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.19 3 X 300 sq. mm (70mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2119	Brass compression gland for (70 mm) 3 X 300 sq. mm 1.1 KV grade cable	set	1.00	463.58	463.58
2214	Aluminium lugs for 300 sq. mm cable	each	3.00	52.23	156.69
	Total cost of materials				620.27
	Cartage @ 1% of cost of materials				6.20
	LABOUR				
1002	Cable jointer	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				736.07
	Add 15% for Overheads & Profit				110.41
	TOTAL				846.48
	Rate per Set				846.48
	Say				846.00

9.1 Supplying and making 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.

9.1.20 3½ X 25 sq. mm (28mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2120	Brass compression gland for (28 mm) 3½ X 25 sq. mm 1.1 KV grade cable	set	1.00	99.23	99.23
2204	Aluminium lugs for 25 sq. mm cable	each	3.00	2.89	8.67
2203	Aluminium lugs for 16 sq. mm cable	each	1.00	2.17	2.17
	Total cost of materials				110.07
	Cartage @ 1% of cost of materials				1.10
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				165.97
	Add 15% for Overheads & Profit				24.90
	TOTAL				190.87
	Rate per Set				190.87
	Say				191.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.21 3½ X 35 sq. mm (32mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2121	Brass compression gland for (32 mm) 3½ X 35 sq. mm 1.1 KV grade cable	set	1.00	112.88	112.88
2205	Aluminium lugs for 35 sq. mm cable	each	3.00	3.81	11.43
2204	Aluminium lugs for 25 sq. mm cable	each	1.00	2.89	2.89
	Total cost of materials				127.20
	Cartage @ 1% of cost of materials				1.27
	LABOUR				
1002	Cable jointer	day	0.12	301.00	36.12
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				194.23
	Add 15% for Overheads & Profit				29.13
	TOTAL				223.36
	Rate per Set				223.36
	Say				223.00

9.1 Supplying and making 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.

9.1.22 3½ X 50 sq. mm (35mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2122	Brass compression gland for (35 mm) 3½ X 50 sq. mm 1.1 KV grade cable	set	1.00	140.18	140.18
2206	Aluminium lugs for 50 sq. mm cable	each	3.00	5.78	17.34
2204	Aluminium lugs for 25 sq. mm cable	each	1.00	2.89	2.89
	Total cost of materials				160.41
	Cartage @ 1% of cost of materials				1.60
	LABOUR				
1002	Cable jointer	day	0.12	301.00	36.12
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				227.77
	Add 15% for Overheads & Profit				34.17
	TOTAL				261.94
	Rate per Set				261.94
	Say				262.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.23 3½ X 70 sq. mm (38mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2123	Brass compression gland for (38 mm) 3½ X 70 sq. mm 1.1 KV grade cable	set	1.00	161.18	161.18
2207	Aluminium lugs for 70 sq. mm cable	each	3.00	8.66	25.98
2205	Aluminium lugs for 35 sq. mm cable	each	1.00	3.81	3.81
	Total cost of materials				190.97
	Cartage @ 1% of cost of materials				1.91
	LABOUR				
1002	Cable jointer	day	0.12	301.00	36.12
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				258.64
	Add 15% for Overheads & Profit				38.80
	TOTAL				297.44
	Rate per Set				297.44
	Say				297.00

9.1 Supplying and making 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.

9.1.24 3½ X 95 sq. mm (45mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2124	Brass compression gland for (45 mm) 3½ X 95 sq. mm 1.1 KV grade cable	set	1.00	194.25	194.25
2208	Aluminium lugs for 95 sq. mm cable	each	3.00	9.56	28.68
2206	Aluminium lugs for 50 sq. mm cable	each	1.00	5.78	5.78
	Total cost of materials				228.71
	Cartage @ 1% of cost of materials				2.29
	LABOUR				
1002	Cable jointer	day	0.16	301.00	48.16
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				318.68
	Add 15% for Overheads & Profit				47.80
	TOTAL				366.48
	Rate per Set				366.48
	Say				366.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.25 3½ X 120 sq. mm (45mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2125	Brass compression gland for (45 mm) 3½ X 120 sq. mm 1.1 KV grade cable	set	1.00	194.25	194.25
2209	Aluminium lugs for 120 sq. mm cable	each	3.00	13.38	40.14
2207	Aluminium lugs for 70 sq. mm cable	each	1.00	8.66	8.66
	Total cost of materials				243.05
	Cartage @ 1% of cost of materials				2.43
	LABOUR				
1002	Cable jointer	day	0.16	301.00	48.16
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				333.16
	Add 15% for Overheads & Profit				49.97
	TOTAL				383.13
	Rate per Set				383.13
	Say				383.00

9.1 Supplying and making 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.

9.1.26 3½ X 150 sq. mm (50mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2126	Brass compression gland for (50 mm) 3½ X 150 sq. mm 1.1 KV grade cable	set	1.00	246.23	246.23
2210	Aluminium lugs for 150 sq. mm cable	each	3.00	17.32	51.96
2208	Aluminium lugs for 95 sq. mm cable	each	1.00	9.56	9.56
	Total cost of materials				307.75
	Cartage @ 1% of cost of materials				3.08
	LABOUR				
1002	Cable jointer	day	0.16	301.00	48.16
1007	Khallasi	day	0.16	247.00	39.52
	TOTAL				398.51
	Add 15% for Overheads & Profit				59.78
	TOTAL				458.29
	Rate per Set				458.29
	Say				458.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.27 3½ X 185 sq. mm (57mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2127	Brass compression gland for (57 mm) 3½ X 185 sq. mm 1.1 KV grade cable	set	1.00	347.03	347.03
2211	Aluminium lugs for 185 sq. mm cable	each	3.00	21.66	64.98
2208	Aluminium lugs for 95 sq. mm cable	each	1.00	9.56	9.56
	Total cost of materials				421.57
	Cartage @ 1% of cost of materials				4.22
	LABOUR				
1002	Cable jointer	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				535.39
	Add 15% for Overheads & Profit				80.31
	TOTAL				615.70
	Rate per Set				615.70
	Say				616.00

9.1 Supplying and making 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.

9.1.28 3½ X 225 sq. mm (62mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2128	Brass compression gland for (62 mm) 3½ X 225 sq. mm 1.1 KV grade cable	set	1.00	430.50	430.50
2212	Aluminium lugs for 225 sq. mm cable	each	3.00	30.29	90.87
2209	Aluminium lugs for 120 sq. mm cable	each	1.00	13.38	13.38
	Total cost of materials				534.75
	Cartage @ 1% of cost of materials				5.35
	LABOUR				
1002	Cable jointer	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				649.70
	Add 15% for Overheads & Profit				97.46
	TOTAL				747.16
	Rate per Set				747.16
	Say				747.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.29 3½ X 240 sq. mm (62mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2129	Brass compression gland for (62 mm) 3½ X 240 sq. mm 1.1 KV grade cable	set	1.00	430.50	430.50
2213	Aluminium lugs for 240 sq. mm cable	each	3.00	37.00	111.00
2209	Aluminium lugs for 120 sq. mm cable	each	1.00	13.38	13.38
	Total cost of materials				554.88
	Cartage @ 1% of cost of materials				5.55
	LABOUR				
1002	Cable jointer	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				670.03
	Add 15% for Overheads & Profit				100.50
	TOTAL				770.53
	Rate per Set				770.53
	Say				771.00

9.1 Supplying and making 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.

9.1.30 3½ X 300 sq. mm (70mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2130	Brass compression gland for (70 mm) 3½ X 300 sq. mm 1.1 KV grade cable	set	1.00	463.58	463.58
2214	Aluminium lugs for 300 sq. mm cable	each	3.00	52.23	156.69
2210	Aluminium lugs for 150 sq. mm cable	each	1.00	17.32	17.32
	Total cost of materials				637.59
	Cartage @ 1% of cost of materials				6.38
	LABOUR				
1002	Cable jointer	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				753.57
	Add 15% for Overheads & Profit				113.04
	TOTAL				866.61
	Rate per Set				866.61
	Say				867.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.31 3½ X 400 sq. mm (82mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2131	Brass compression gland for (82 mm) 3½ X 400 sq. mm 1.1 KV grade cable	set	1.00	590.63	590.63
2215	Aluminium lugs for 400 sq. mm cable	each	3.00	75.09	225.27
2212	Aluminium lugs for 225 sq. mm cable	each	1.00	30.29	30.29
	Total cost of materials				846.19
	Cartage @ 1% of cost of materials				8.46
	LABOUR				
1002	Cable jointer	day	0.20	301.00	60.20
1007	Khallasi	day	0.20	247.00	49.40
	TOTAL				964.25
	Add 15% for Overheads & Profit				144.64
	TOTAL				1108.89
	Rate per Set				1108.89
	Say				1109.00

9.1 Supplying and making 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.

9.1.32 4 X 10 sq. mm (25mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2132	Brass compression gland for (25 mm) 4 X 10 sq. mm 1.1 KV grade cable	set	1.00	64.05	64.05
2202	Aluminium lugs for 10 sq. mm cable	each	4.00	1.92	7.68
	Total cost of materials				71.73
	Cartage @ 1% of cost of materials				0.72
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				127.25
	Add 15% for Overheads & Profit				19.09
	TOTAL				146.34
	Rate per Set				146.34
	Say				146.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.33 4 X 16 sq. mm (28mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2133	Brass compression gland for (28 mm) 4 X 16 sq. mm 1.1 KV grade cable	set	1.00	99.23	99.23
2203	Aluminium lugs for 16 sq. mm cable	each	4.00	2.17	8.68
	Total cost of materials				107.91
	Cartage @ 1% of cost of materials				1.08
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				163.79
	Add 15% for Overheads & Profit				24.57
	TOTAL				188.36
	Rate per Set				188.36
	Say				188.00

9.1 Supplying and making 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.

9.1.34 4 X 25 sq. mm (28mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2134	Brass compression gland for (28 mm) 4 X 25 sq. mm 1.1 KV grade cable	set	1.00	99.23	99.23
2204	Aluminium lugs for 25 sq. mm cable	each	4.00	2.89	11.56
	Total cost of materials				110.79
	Cartage @ 1% of cost of materials				1.11
	LABOUR				
1002	Cable jointer	day	0.10	301.00	30.10
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				166.70
	Add 15% for Overheads & Profit				25.01
	TOTAL				191.71
	Rate per Set				191.71
	Say				192.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

9.1 Supplying and making 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.

9.1.35 4 X 35 sq. mm (32mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2135	Brass compression gland for (32 mm) 4 X 35 sq. mm 1.1 KV grade cable	set	1.00	112.88	112.88
2205	Aluminium lugs for 35 sq. mm cable	each	4.00	3.81	15.24
	Total cost of materials				128.12
	Cartage @ 1% of cost of materials				1.28
	LABOUR				
1002	Cable jointer	day	0.12	301.00	36.12
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				195.16
	Add 15% for Overheads & Profit				29.27
	TOTAL				224.43
	Rate per Set				224.43
	Say				224.00

9.1 Supplying and making 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.

9.1.36 4 X 50 sq. mm (35mm)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Set				
	MATERIAL				
2136	Brass compression gland for (35 mm) 4 X 50 sq. mm 1.1 KV grade cable	set	1.00	140.18	140.18
2206	Aluminium lugs for 50 sq. mm cable	each	4.00	5.78	23.12
	Total cost of materials				163.30
	Cartage @ 1% of cost of materials				1.63
	LABOUR				
1002	Cable jointer	day	0.12	301.00	36.12
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				230.69
	Add 15% for Overheads & Profit				34.60
	TOTAL				265.29
	Rate per Set				265.29
	Say				265.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2300	Outdoor cable jointing kit with cast resin compound with lugs for 2 X 16 sq. mm 1.1 KV grade cable	set	1.00	310.17	310.17
	Total cost of materials				310.17
	Cartage @ 1% of cost of materials				3.10
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				450.27
	Add 15% for Overheads & Profit				67.54
	TOTAL				517.81
	Rate per Each				517.81
	Say				518.00

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.

9.2.2 2 X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2301	Outdoor cable jointing kit with cast resin compound with lugs for 2 X 25 sq. mm 1.1 KV grade cable	set	1.00	346.92	346.92
	Total cost of materials				346.92
	Cartage @ 1% of cost of materials				3.47
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				487.39
	Add 15% for Overheads & Profit				73.11
	TOTAL				560.50
	Rate per Each				560.50
	Say				561.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.3 2 X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2302	Outdoor cable jointing kit with cast resin compound with lugs for 2 X 35 sq. mm 1.1 KV grade cable	set	1.00	346.92	346.92
	Total cost of materials				346.92
	Cartage @ 1% of cost of materials				3.47
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				487.39
	Add 15% for Overheads & Profit				73.11
	TOTAL				560.50
	Rate per Each				560.50
	Say				561.00

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.

9.2.4 2 X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2303	Outdoor cable jointing kit with cast resin compound with lugs for 2 X 50 sq. mm 1.1 KV grade cable	set	1.00	346.92	346.92
	Total cost of materials				346.92
	Cartage @ 1% of cost of materials				3.47
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				487.39
	Add 15% for Overheads & Profit				73.11
	TOTAL				560.50
	Rate per Each				560.50
	Say				561.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.5 3 X 16 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2304	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 16 sq. mm 1.1 KV grade cable	set	1.00	346.92	346.92
	Total cost of materials				346.92
	Cartage @ 1% of cost of materials				3.47
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				487.39
	Add 15% for Overheads & Profit				73.11
	TOTAL				560.50
	Rate per Each				560.50
	Say				561.00

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.

9.2.6 3 X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2305	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 25 sq. mm 1.1 KV grade cable	set	1.00	346.92	346.92
	Total cost of materials				346.92
	Cartage @ 1% of cost of materials				3.47
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				487.39
	Add 15% for Overheads & Profit				73.11
	TOTAL				560.50
	Rate per Each				560.50
	Say				561.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.7 3 X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2306	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 35 sq. mm 1.1 KV grade cable	set	1.00	346.92	346.92
	Total cost of materials				346.92
	Cartage @ 1% of cost of materials				3.47
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				487.39
	Add 15% for Overheads & Profit				73.11
	TOTAL				560.50
	Rate per Each				560.50
	Say				561.00

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.

9.2.8 3 X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2307	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 50 sq. mm 1.1 KV grade cable	set	1.00	382.20	382.20
	Total cost of materials				382.20
	Cartage @ 1% of cost of materials				3.82
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				523.02
	Add 15% for Overheads & Profit				78.45
	TOTAL				601.47
	Rate per Each				601.47
	Say				601.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.9 3 X 70 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2308	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 70 sq. mm 1.1 KV grade cable	set	1.00	382.20	382.20
	Total cost of materials				382.20
	Cartage @ 1% of cost of materials				3.82
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				523.02
	Add 15% for Overheads & Profit				78.45
	TOTAL				601.47
	Rate per Each				601.47
	Say				601.00

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.

9.2.10 3 X 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2309	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 95 sq. mm 1.1 KV grade cable	set	1.00	428.51	428.51
	Total cost of materials				428.51
	Cartage @ 1% of cost of materials				4.29
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				613.64
	Add 15% for Overheads & Profit				92.05
	TOTAL				705.69
	Rate per Each				705.69
	Say				706.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.11 3 X 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2310	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 120 sq. mm 1.1 KV grade cable	set	1.00	428.51	428.51
	Total cost of materials				428.51
	Cartage @ 1% of cost of materials				4.29
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				613.64
	Add 15% for Overheads & Profit				92.05
	TOTAL				705.69
	Rate per Each				705.69
	Say				706.00

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.

9.2.12 3 X 150 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2311	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 150 sq. mm 1.1 KV grade cable	set	1.00	428.51	428.51
	Total cost of materials				428.51
	Cartage @ 1% of cost of materials				4.29
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				613.64
	Add 15% for Overheads & Profit				92.05
	TOTAL				705.69
	Rate per Each				705.69
	Say				706.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.13 3 X 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2312	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 185 sq. mm 1.1 KV grade cable	set	1.00	655.62	655.62
	Total cost of materials				655.62
	Cartage @ 1% of cost of materials				6.56
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				843.02
	Add 15% for Overheads & Profit				126.45
	TOTAL				969.47
	Rate per Each				969.47
	Say				969.00

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.

9.2.14 3 X 225 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2313	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 225 sq. mm 1.1 KV grade cable	set	1.00	655.62	655.62
	Total cost of materials				655.62
	Cartage @ 1% of cost of materials				6.56
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				843.02
	Add 15% for Overheads & Profit				126.45
	TOTAL				969.47
	Rate per Each				969.47
	Say				969.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.15 3 X 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2314	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 240 sq. mm 1.1 KV grade cable	set	1.00	799.68	799.68
	Total cost of materials				799.68
	Cartage @ 1% of cost of materials				8.00
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				988.52
	Add 15% for Overheads & Profit				148.28
	TOTAL				1136.80
	Rate per Each				1136.80
	Say				1137.00

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.

9.2.16 3 X 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2315	Outdoor cable jointing kit with cast resin compound with lugs for 3 X 300 sq. mm 1.1 KV grade cable	set	1.00	799.68	799.68
	Total cost of materials				799.68
	Cartage @ 1% of cost of materials				8.00
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				988.52
	Add 15% for Overheads & Profit				148.28
	TOTAL				1136.80
	Rate per Each				1136.80
	Say				1137.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.17 3½ X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2316	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 25 sq. mm 1.1 KV grade cable	set	1.00	346.92	346.92
	Total cost of materials				346.92
	Cartage @ 1% of cost of materials				3.47
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				487.39
	Add 15% for Overheads & Profit				73.11
	TOTAL				560.50
	Rate per Each				560.50
	Say				561.00

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.

9.2.18 3½ X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2317	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 35 sq. mm 1.1 KV grade cable	set	1.00	382.20	382.20
	Total cost of materials				382.20
	Cartage @ 1% of cost of materials				3.82
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				523.02
	Add 15% for Overheads & Profit				78.45
	TOTAL				601.47
	Rate per Each				601.47
	Say				601.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.19 3½ X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2318	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 50 sq. mm 1.1 KV grade cable	set	1.00	382.20	382.20
	Total cost of materials				382.20
	Cartage @ 1% of cost of materials				3.82
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				523.02
	Add 15% for Overheads & Profit				78.45
	TOTAL				601.47
	Rate per Each				601.47
	Say				601.00

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.

9.2.20 3½ X 70 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2319	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 70 sq. mm 1.1 KV grade cable	set	1.00	435.86	435.86
	Total cost of materials				435.86
	Cartage @ 1% of cost of materials				4.36
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				577.22
	Add 15% for Overheads & Profit				86.58
	TOTAL				663.80
	Rate per Each				663.80
	Say				664.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.21 3½ X 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2320	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 95 sq. mm 1.1 KV grade cable	set	1.00	435.86	435.86
	Total cost of materials				435.86
	Cartage @ 1% of cost of materials				4.36
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				621.06
	Add 15% for Overheads & Profit				93.16
	TOTAL				714.22
	Rate per Each				714.22
	Say				714.00

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.

9.2.22 3½ X 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2321	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 120 sq. mm 1.1 KV grade cable	set	1.00	435.86	435.86
	Total cost of materials				435.86
	Cartage @ 1% of cost of materials				4.36
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				621.06
	Add 15% for Overheads & Profit				93.16
	TOTAL				714.22
	Rate per Each				714.22
	Say				714.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.23 3½ X 150 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2322	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 150 sq. mm 1.1 KV grade cable	set	1.00	655.62	655.62
	Total cost of materials				655.62
	Cartage @ 1% of cost of materials				6.56
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				843.02
	Add 15% for Overheads & Profit				126.45
	TOTAL				969.47
	Rate per Each				969.47
	Say				969.00

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.

9.2.24 3½ X 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2323	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 185 sq. mm 1.1 KV grade cable	set	1.00	655.62	655.62
	Total cost of materials				655.62
	Cartage @ 1% of cost of materials				6.56
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				843.02
	Add 15% for Overheads & Profit				126.45
	TOTAL				969.47
	Rate per Each				969.47
	Say				969.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.25 3½ X 225 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2324	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 225 sq. mm 1.1 KV grade cable	set	1.00	799.68	799.68
	Total cost of materials				799.68
	Cartage @ 1% of cost of materials				8.00
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				988.52
	Add 15% for Overheads & Profit				148.28
	TOTAL				1136.80
	Rate per Each				1136.80
	Say				1137.00

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.

9.2.26 3½ X 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2325	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 240 sq. mm 1.1 KV grade cable	set	1.00	799.68	799.68
	Total cost of materials				799.68
	Cartage @ 1% of cost of materials				8.00
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				988.52
	Add 15% for Overheads & Profit				148.28
	TOTAL				1136.80
	Rate per Each				1136.80
	Say				1137.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.27 3½ X 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2326	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 300 sq. mm 1.1 KV grade cable	set	1.00	799.68	799.68
	Total cost of materials				799.68
	Cartage @ 1% of cost of materials				8.00
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				1081.68
	Add 15% for Overheads & Profit				162.25
	TOTAL				1243.93
	Rate per Each				1243.93
	Say				1244.00

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.

9.2.28 3½ X 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2327	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 400 sq. mm 1.1 KV grade cable	set	1.00	965.06	965.06
	Total cost of materials				965.06
	Cartage @ 1% of cost of materials				9.65
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				1248.71
	Add 15% for Overheads & Profit				187.31
	TOTAL				1436.02
	Rate per Each				1436.02
	Say				1436.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.29 4 X 16 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2328	Outdoor cable jointing kit with cast resin compound with lugs for 4 X 16 sq. mm 1.1 KV grade cable	set	1.00	346.92	346.92
	Total cost of materials				346.92
	Cartage @ 1% of cost of materials				3.47
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				487.39
	Add 15% for Overheads & Profit				73.11
	TOTAL				560.50
	Rate per Each				560.50
	Say				561.00

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.

9.2.30 4 X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2329	Outdoor cable jointing kit with cast resin compound with lugs for 4 X 25 sq. mm 1.1 KV grade cable	set	1.00	346.92	346.92
	Total cost of materials				346.92
	Cartage @ 1% of cost of materials				3.47
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				487.39
	Add 15% for Overheads & Profit				73.11
	TOTAL				560.50
	Rate per Each				560.50
	Say				561.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.2.31 4 X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2330	Outdoor cable jointing kit with cast resin compound with lugs for 4 X 35 sq. mm 1.1 KV grade cable	set	1.00	382.20	382.20
	Total cost of materials				382.20
	Cartage @ 1% of cost of materials				3.82
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				523.02
	Add 15% for Overheads & Profit				78.45
	TOTAL				601.47
	Rate per Each				601.47
	Say				601.00

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.

9.2.32 4 X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2331	Outdoor cable jointing kit with cast resin compound with lugs for 4 X 50 sq. mm 1.1 KV grade cable	set	1.00	382.20	382.20
	Total cost of materials				382.20
	Cartage @ 1% of cost of materials				3.82
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				523.02
	Add 15% for Overheads & Profit				78.45
	TOTAL				601.47
	Rate per Each				601.47
	Say				601.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2332	Straight through cable jointing kit with cast resin compound with ferrules for 2 X 16 sq. mm 1.1 KV grade cable	set	1.00	821.73	821.73
	Total cost of materials				821.73
	Cartage @ 1% of cost of materials				8.22
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				966.95
	Add 15% for Overheads & Profit				145.04
	TOTAL				1111.99
	Rate per Each				1111.99
	Say				1112.00

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.

9.3.2 2 X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2333	Straight through cable jointing kit with cast resin compound with ferrules for 2 X 25 sq. mm 1.1 KV grade cable	set	1.00	821.73	821.73
	Total cost of materials				821.73
	Cartage @ 1% of cost of materials				8.22
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				966.95
	Add 15% for Overheads & Profit				145.04
	TOTAL				1111.99
	Rate per Each				1111.99
	Say				1112.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.3 2 X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2334	Straight through cable jointing kit with cast resin compound with ferrules for 2 X 35 sq. mm 1.1 KV grade cable	set	1.00	821.73	821.73
	Total cost of materials				821.73
	Cartage @ 1% of cost of materials				8.22
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				966.95
	Add 15% for Overheads & Profit				145.04
	TOTAL				1111.99
	Rate per Each				1111.99
	Say				1112.00

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.

9.3.4 2 X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2335	Straight through cable jointing kit with cast resin compound with ferrules for 2 X 50 sq. mm 1.1 KV grade cable	set	1.00	962.85	962.85
	Total cost of materials				962.85
	Cartage @ 1% of cost of materials				9.63
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1109.48
	Add 15% for Overheads & Profit				166.42
	TOTAL				1275.90
	Rate per Each				1275.90
	Say				1276.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.5 3 X 16 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2336	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 16 sq. mm 1.1 KV grade cable	set	1.00	821.73	821.73
	Total cost of materials				821.73
	Cartage @ 1% of cost of materials				8.22
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				966.95
	Add 15% for Overheads & Profit				145.04
	TOTAL				1111.99
	Rate per Each				1111.99
	Say				1112.00

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.

9.3.6 3 X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2337	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 25 sq. mm 1.1 KV grade cable	set	1.00	821.73	821.73
	Total cost of materials				821.73
	Cartage @ 1% of cost of materials				8.22
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				966.95
	Add 15% for Overheads & Profit				145.04
	TOTAL				1111.99
	Rate per Each				1111.99
	Say				1112.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.7 3 X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2338	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 35 sq. mm 1.1 KV grade cable	set	1.00	962.85	962.85
	Total cost of materials				962.85
	Cartage @ 1% of cost of materials				9.63
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1109.48
	Add 15% for Overheads & Profit				166.42
	TOTAL				1275.90
	Rate per Each				1275.90
	Say				1276.00

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.

9.3.8 3 X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2339	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 50 sq. mm 1.1 KV grade cable	set	1.00	962.85	962.85
	Total cost of materials				962.85
	Cartage @ 1% of cost of materials				9.63
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1109.48
	Add 15% for Overheads & Profit				166.42
	TOTAL				1275.90
	Rate per Each				1275.90
	Say				1276.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.9 3 X 70 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2340	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 70 sq. mm 1.1 KV grade cable	set	1.00	1148.07	1148.07
	Total cost of materials				1148.07
	Cartage @ 1% of cost of materials				11.48
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1296.55
	Add 15% for Overheads & Profit				194.48
	TOTAL				1491.03
	Rate per Each				1491.03
	Say				1491.00

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.

9.3.10 3 X 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2341	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 95 sq. mm 1.1 KV grade cable	set	1.00	1184.82	1184.82
	Total cost of materials				1184.82
	Cartage @ 1% of cost of materials				11.85
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1377.51
	Add 15% for Overheads & Profit				206.63
	TOTAL				1584.14
	Rate per Each				1584.14
	Say				1584.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.11 3 X 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2342	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 120 sq. mm 1.1 KV grade cable	set	1.00	1347.26	1347.26
	Total cost of materials				1347.26
	Cartage @ 1% of cost of materials				13.47
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1541.57
	Add 15% for Overheads & Profit				231.24
	TOTAL				1772.81
	Rate per Each				1772.81
	Say				1773.00

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.

9.3.12 3 X 150 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2343	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 150 sq. mm 1.1 KV grade cable	set	1.00	1347.26	1347.26
	Total cost of materials				1347.26
	Cartage @ 1% of cost of materials				13.47
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1541.57
	Add 15% for Overheads & Profit				231.24
	TOTAL				1772.81
	Rate per Each				1772.81
	Say				1773.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.13 3 X 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2344	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 185 sq. mm 1.1 KV grade cable	set	1.00	1649.34	1649.34
	Total cost of materials				1649.34
	Cartage @ 1% of cost of materials				16.49
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1846.67
	Add 15% for Overheads & Profit				277.00
	TOTAL				2123.67
	Rate per Each				2123.67
	Say				2124.00

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.

9.3.14 3 X 225 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2345	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 225 sq. mm 1.1 KV grade cable	set	1.00	1895.57	1895.57
	Total cost of materials				1895.57
	Cartage @ 1% of cost of materials				18.96
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				2095.37
	Add 15% for Overheads & Profit				314.31
	TOTAL				2409.68
	Rate per Each				2409.68
	Say				2410.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.15 3 X 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2346	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 240 sq. mm 1.1 KV grade cable	set	1.00	1929.38	1929.38
	Total cost of materials				1929.38
	Cartage @ 1% of cost of materials				19.29
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				2129.51
	Add 15% for Overheads & Profit				319.43
	TOTAL				2448.94
	Rate per Each				2448.94
	Say				2449.00

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.

9.3.16 3 X 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2347	Straight through cable jointing kit with cast resin compound with ferrules for 3 X 300 sq. mm 1.1 KV grade cable	set	1.00	2383.61	2383.61
	Total cost of materials				2383.61
	Cartage @ 1% of cost of materials				23.84
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				2681.45
	Add 15% for Overheads & Profit				402.22
	TOTAL				3083.67
	Rate per Each				3083.67
	Say				3084.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.17 3½ X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2348	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 25 sq. mm 1.1 KV grade cable	set	1.00	962.85	962.85
	Total cost of materials				962.85
	Cartage @ 1% of cost of materials				9.63
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1109.48
	Add 15% for Overheads & Profit				166.42
	TOTAL				1275.90
	Rate per Each				1275.90
	Say				1276.00

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.

9.3.18 3½ X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2349	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 35 sq. mm 1.1 KV grade cable	set	1.00	962.85	962.85
	Total cost of materials				962.85
	Cartage @ 1% of cost of materials				9.63
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1109.48
	Add 15% for Overheads & Profit				166.42
	TOTAL				1275.90
	Rate per Each				1275.90
	Say				1276.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.19 3½ X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2350	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 50 sq. mm 1.1 KV grade cable	set	1.00	1148.07	1148.07
	Total cost of materials				1148.07
	Cartage @ 1% of cost of materials				11.48
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1296.55
	Add 15% for Overheads & Profit				194.48
	TOTAL				1491.03
	Rate per Each				1491.03
	Say				1491.00

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.

9.3.20 3½ X 70 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2351	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 70 sq. mm 1.1 KV grade cable	set	1.00	1184.82	1184.82
	Total cost of materials				1184.82
	Cartage @ 1% of cost of materials				11.85
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1333.67
	Add 15% for Overheads & Profit				200.05
	TOTAL				1533.72
	Rate per Each				1533.72
	Say				1534.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.21 3½ X 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2352	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 95 sq. mm 1.1 KV grade cable	set	1.00	1347.26	1347.26
	Total cost of materials				1347.26
	Cartage @ 1% of cost of materials				13.47
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1541.57
	Add 15% for Overheads & Profit				231.24
	TOTAL				1772.81
	Rate per Each				1772.81
	Say				1773.00

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.

9.3.22 3½ X 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2353	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 120 sq. mm 1.1 KV grade cable	set	1.00	1649.34	1649.34
	Total cost of materials				1649.34
	Cartage @ 1% of cost of materials				16.49
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1846.67
	Add 15% for Overheads & Profit				277.00
	TOTAL				2123.67
	Rate per Each				2123.67
	Say				2124.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.23 3½ X 150 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2354	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 150 sq. mm 1.1 KV grade cable	set	1.00	1649.34	1649.34
	Total cost of materials				1649.34
	Cartage @ 1% of cost of materials				16.49
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1846.67
	Add 15% for Overheads & Profit				277.00
	TOTAL				2123.67
	Rate per Each				2123.67
	Say				2124.00

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.

9.3.24 3½ X 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2355	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 185 sq. mm 1.1 KV grade cable	set	1.00	1895.57	1895.57
	Total cost of materials				1895.57
	Cartage @ 1% of cost of materials				18.96
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				2095.37
	Add 15% for Overheads & Profit				314.31
	TOTAL				2409.68
	Rate per Each				2409.68
	Say				2410.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.25 3½ X 225 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2356	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 225 sq. mm 1.1 KV grade cable	set	1.00	1929.38	1929.38
	Total cost of materials				1929.38
	Cartage @ 1% of cost of materials				19.29
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				2129.51
	Add 15% for Overheads & Profit				319.43
	TOTAL				2448.94
	Rate per Each				2448.94
	Say				2449.00

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.

9.3.26 3½ X 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2357	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 240 sq. mm 1.1 KV grade cable	set	1.00	2383.61	2383.61
	Total cost of materials				2383.61
	Cartage @ 1% of cost of materials				23.84
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				2588.29
	Add 15% for Overheads & Profit				388.24
	TOTAL				2976.53
	Rate per Each				2976.53
	Say				2977.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.27 3½ X 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2358	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 300 sq. mm 1.1 KV grade cable	set	1.00	2856.95	2856.95
	Total cost of materials				2856.95
	Cartage @ 1% of cost of materials				28.57
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				3159.52
	Add 15% for Overheads & Profit				473.93
	TOTAL				3633.45
	Rate per Each				3633.45
	Say				3633.00

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.

9.3.28 3½ X 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2359	Straight through cable jointing kit with cast resin compound with ferrules for 3½ X 400 sq. mm 1.1 KV grade cable	set	1.00	3529.47	3529.47
	Total cost of materials				3529.47
	Cartage @ 1% of cost of materials				35.29
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				3838.76
	Add 15% for Overheads & Profit				575.81
	TOTAL				4414.57
	Rate per Each				4414.57
	Say				4415.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.29 4 X 16 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2360	Straight through cable jointing kit with cast resin compound with ferrules for 4 X 16 sq. mm 1.1 KV grade cable	set	1.00	821.73	821.73
	Total cost of materials				821.73
	Cartage @ 1% of cost of materials				8.22
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				966.95
	Add 15% for Overheads & Profit				145.04
	TOTAL				1111.99
	Rate per Each				1111.99
	Say				1112.00

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.

9.3.30 4 X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2361	Straight through cable jointing kit with cast resin compound with ferrules for 4 X 25 sq. mm 1.1 KV grade cable	set	1.00	962.85	962.85
	Total cost of materials				962.85
	Cartage @ 1% of cost of materials				9.63
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1109.48
	Add 15% for Overheads & Profit				166.42
	TOTAL				1275.90
	Rate per Each				1275.90
	Say				1276.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.3.31 4 X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2362	Straight through cable jointing kit with cast resin compound with ferrules for 4 X 35 sq. mm 1.1 KV grade cable	set	1.00	962.85	962.85
	Total cost of materials				962.85
	Cartage @ 1% of cost of materials				9.63
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1109.48
	Add 15% for Overheads & Profit				166.42
	TOTAL				1275.90
	Rate per Each				1275.90
	Say				1276.00

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.

9.3.32 4 X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2363	Straight through cable jointing kit with cast resin compound with ferrules for 4 X 50 sq. mm 1.1 KV grade cable	set	1.00	1148.07	1148.07
	Total cost of materials				1148.07
	Cartage @ 1% of cost of materials				11.48
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1296.55
	Add 15% for Overheads & Profit				194.48
	TOTAL				1491.03
	Rate per Each				1491.03
	Say				1491.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2364	Straight through cable jointing kit with heat shrinkable kit with ferrules for 2 X 16 sq. mm 1.1 KV grade cable	set	1.00	323.40	323.40
	Total cost of materials				323.40
	Cartage @ 1% of cost of materials				3.23
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				463.63
	Add 15% for Overheads & Profit				69.54
	TOTAL				533.17
	Rate per Each				533.17
	Say				533.00

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.

9.4.2 2 X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2365	Straight through cable jointing kit with heat shrinkable kit with ferrules for 2 X 25 sq. mm 1.1 KV grade cable	set	1.00	385.88	385.88
	Total cost of materials				385.88
	Cartage @ 1% of cost of materials				3.86
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				526.74
	Add 15% for Overheads & Profit				79.01
	TOTAL				605.75
	Rate per Each				605.75
	Say				606.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.3 2 X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2366	Straight through cable jointing kit with heat shrinkable kit with ferrules for 2 X 35 sq. mm 1.1 KV grade cable	set	1.00	385.88	385.88
	Total cost of materials				385.88
	Cartage @ 1% of cost of materials				3.86
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				526.74
	Add 15% for Overheads & Profit				79.01
	TOTAL				605.75
	Rate per Each				605.75
	Say				606.00

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.

9.4.4 2 X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2367	Straight through cable jointing kit with heat shrinkable kit with ferrules for 2 X 50 sq. mm 1.1 KV grade cable	set	1.00	385.88	385.88
	Total cost of materials				385.88
	Cartage @ 1% of cost of materials				3.86
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				526.74
	Add 15% for Overheads & Profit				79.01
	TOTAL				605.75
	Rate per Each				605.75
	Say				606.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.5 3 X 16 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2368	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 16 sq. mm 1.1 KV grade cable	set	1.00	529.20	529.20
	Total cost of materials				529.20
	Cartage @ 1% of cost of materials				5.29
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				671.49
	Add 15% for Overheads & Profit				100.72
	TOTAL				772.21
	Rate per Each				772.21
	Say				772.00

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.

9.4.6 3 X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2369	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 25 sq. mm 1.1 KV grade cable	set	1.00	668.85	668.85
	Total cost of materials				668.85
	Cartage @ 1% of cost of materials				6.69
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				812.54
	Add 15% for Overheads & Profit				121.88
	TOTAL				934.42
	Rate per Each				934.42
	Say				934.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.7 3 X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2370	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 35 sq. mm 1.1 KV grade cable	set	1.00	668.85	668.85
	Total cost of materials				668.85
	Cartage @ 1% of cost of materials				6.69
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				812.54
	Add 15% for Overheads & Profit				121.88
	TOTAL				934.42
	Rate per Each				934.42
	Say				934.00

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.

9.4.8 3 X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2371	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 50 sq. mm 1.1 KV grade cable	set	1.00	668.85	668.85
	Total cost of materials				668.85
	Cartage @ 1% of cost of materials				6.69
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				812.54
	Add 15% for Overheads & Profit				121.88
	TOTAL				934.42
	Rate per Each				934.42
	Say				934.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.9 3 X 70 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2372	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 70 sq. mm 1.1 KV grade cable	set	1.00	712.95	712.95
	Total cost of materials				712.95
	Cartage @ 1% of cost of materials				7.13
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				857.08
	Add 15% for Overheads & Profit				128.56
	TOTAL				985.64
	Rate per Each				985.64
	Say				986.00

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.

9.4.10 3 X 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2373	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 95 sq. mm 1.1 KV grade cable	set	1.00	712.95	712.95
	Total cost of materials				712.95
	Cartage @ 1% of cost of materials				7.13
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				900.92
	Add 15% for Overheads & Profit				135.14
	TOTAL				1036.06
	Rate per Each				1036.06
	Say				1036.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.11 3 X 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2374	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 120 sq. mm 1.1 KV grade cable	set	1.00	712.95	712.95
	Total cost of materials				712.95
	Cartage @ 1% of cost of materials				7.13
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				900.92
	Add 15% for Overheads & Profit				135.14
	TOTAL				1036.06
	Rate per Each				1036.06
	Say				1036.00

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.

9.4.12 3 X 150 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2375	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 150 sq. mm 1.1 KV grade cable	set	1.00	712.95	712.95
	Total cost of materials				712.95
	Cartage @ 1% of cost of materials				7.13
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				900.92
	Add 15% for Overheads & Profit				135.14
	TOTAL				1036.06
	Rate per Each				1036.06
	Say				1036.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.13 3 X 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2376	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 185 sq. mm 1.1 KV grade cable	set	1.00	882.00	882.00
	Total cost of materials				882.00
	Cartage @ 1% of cost of materials				8.82
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1071.66
	Add 15% for Overheads & Profit				160.75
	TOTAL				1232.41
	Rate per Each				1232.41
	Say				1232.00

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.

9.4.14 3 X 225 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2377	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 225 sq. mm 1.1 KV grade cable	set	1.00	882.00	882.00
	Total cost of materials				882.00
	Cartage @ 1% of cost of materials				8.82
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1071.66
	Add 15% for Overheads & Profit				160.75
	TOTAL				1232.41
	Rate per Each				1232.41
	Say				1232.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

- 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.

9.4.15 3 X 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2378	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 240 sq. mm 1.1 KV grade cable	set	1.00	882.00	882.00
	Total cost of materials				882.00
	Cartage @ 1% of cost of materials				8.82
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1071.66
	Add 15% for Overheads & Profit				160.75
	TOTAL				1232.41
	Rate per Each				1232.41
	Say				1232.00

- 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.

9.4.16 3 X 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2379	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3 X 300 sq. mm 1.1 KV grade cable	set	1.00	882.00	882.00
	Total cost of materials				882.00
	Cartage @ 1% of cost of materials				8.82
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				1164.82
	Add 15% for Overheads & Profit				174.72
	TOTAL				1339.54
	Rate per Each				1339.54
	Say				1340.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.17 3½ X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2380	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 25 sq. mm 1.1 KV grade cable	set	1.00	823.20	823.20
	Total cost of materials				823.20
	Cartage @ 1% of cost of materials				8.23
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				968.43
	Add 15% for Overheads & Profit				145.26
	TOTAL				1113.69
	Rate per Each				1113.69
	Say				1114.00

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.

9.4.18 3½ X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2381	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 35 sq. mm 1.1 KV grade cable	set	1.00	823.20	823.20
	Total cost of materials				823.20
	Cartage @ 1% of cost of materials				8.23
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				968.43
	Add 15% for Overheads & Profit				145.26
	TOTAL				1113.69
	Rate per Each				1113.69
	Say				1114.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.19 3½ X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2382	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 50 sq. mm 1.1 KV grade cable	set	1.00	1212.75	1212.75
	Total cost of materials				1212.75
	Cartage @ 1% of cost of materials				12.13
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1361.88
	Add 15% for Overheads & Profit				204.28
	TOTAL				1566.16
	Rate per Each				1566.16
	Say				1566.00

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.

9.4.20 3½ X 70 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2383	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 70 sq. mm 1.1 KV grade cable	set	1.00	1212.75	1212.75
	Total cost of materials				1212.75
	Cartage @ 1% of cost of materials				12.13
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1361.88
	Add 15% for Overheads & Profit				204.28
	TOTAL				1566.16
	Rate per Each				1566.16
	Say				1566.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.21 3½ X 95 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2384	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 95 sq. mm 1.1 KV grade cable	set	1.00	1212.75	1212.75
	Total cost of materials				1212.75
	Cartage @ 1% of cost of materials				12.13
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1405.72
	Add 15% for Overheads & Profit				210.86
	TOTAL				1616.58
	Rate per Each				1616.58
	Say				1617.00

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.

9.4.22 3½ X 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2385	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 120 sq. mm 1.1 KV grade cable	set	1.00	1617.00	1617.00
	Total cost of materials				1617.00
	Cartage @ 1% of cost of materials				16.17
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1814.01
	Add 15% for Overheads & Profit				272.10
	TOTAL				2086.11
	Rate per Each				2086.11
	Say				2086.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.23 3½ X 150 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2386	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 150 sq. mm 1.1 KV grade cable	set	1.00	1617.00	1617.00
	Total cost of materials				1617.00
	Cartage @ 1% of cost of materials				16.17
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1814.01
	Add 15% for Overheads & Profit				272.10
	TOTAL				2086.11
	Rate per Each				2086.11
	Say				2086.00

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.

9.4.24 3½ X 185 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2387	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 185 sq. mm 1.1 KV grade cable	set	1.00	1617.00	1617.00
	Total cost of materials				1617.00
	Cartage @ 1% of cost of materials				16.17
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				1814.01
	Add 15% for Overheads & Profit				272.10
	TOTAL				2086.11
	Rate per Each				2086.11
	Say				2086.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.25 3½ X 225 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2388	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 225 sq. mm 1.1 KV grade cable	set	1.00	2131.50	2131.50
	Total cost of materials				2131.50
	Cartage @ 1% of cost of materials				21.32
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				2333.66
	Add 15% for Overheads & Profit				350.05
	TOTAL				2683.71
	Rate per Each				2683.71
	Say				2684.00

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.

9.4.26 3½ X 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2389	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 240 sq. mm 1.1 KV grade cable	set	1.00	2131.50	2131.50
	Total cost of materials				2131.50
	Cartage @ 1% of cost of materials				21.32
	LABOUR				
1002	Cable jointer	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	TOTAL				2333.66
	Add 15% for Overheads & Profit				350.05
	TOTAL				2683.71
	Rate per Each				2683.71
	Say				2684.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.27 3½ X 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2390	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 300 sq. mm 1.1 KV grade cable	set	1.00	2131.50	2131.50
	Total cost of materials				2131.50
	Cartage @ 1% of cost of materials				21.32
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				2426.82
	Add 15% for Overheads & Profit				364.02
	TOTAL				2790.84
	Rate per Each				2790.84
	Say				2791.00

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.

9.4.28 3½ X 400 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2391	Straight through cable jointing kit with heat shrinkable kit with ferrules for 3½ X 400 sq. mm 1.1 KV grade cable	set	1.00	2873.85	2873.85
	Total cost of materials				2873.85
	Cartage @ 1% of cost of materials				28.74
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				3176.59
	Add 15% for Overheads & Profit				476.49
	TOTAL				3653.08
	Rate per Each				3653.08
	Say				3653.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.29 4 X 16 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2392	Straight through cable jointing kit with heat shrinkable kit with ferrules for 4 X 16 sq. mm 1.1 KV grade cable	set	1.00	676.20	676.20
	Total cost of materials				676.20
	Cartage @ 1% of cost of materials				6.76
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				819.96
	Add 15% for Overheads & Profit				122.99
	TOTAL				942.95
	Rate per Each				942.95
	Say				943.00

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.

9.4.30 4 X 25 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2393	Straight through cable jointing kit with heat shrinkable kit with ferrules for 4 X 25 sq. mm 1.1 KV grade cable	set	1.00	823.20	823.20
	Total cost of materials				823.20
	Cartage @ 1% of cost of materials				8.23
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				968.43
	Add 15% for Overheads & Profit				145.26
	TOTAL				1113.69
	Rate per Each				1113.69
	Say				1114.00

CHAPTER 9 – MV CABLE JOINTING & END TERMINATION

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.

9.4.31 4 X 35 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2394	Straight through cable jointing kit with heat shrinkable kit with ferrules for 4 X 35 sq. mm 1.1 KV grade cable	set	1.00	823.20	823.20
	Total cost of materials				823.20
	Cartage @ 1% of cost of materials				8.23
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				968.43
	Add 15% for Overheads & Profit				145.26
	TOTAL				1113.69
	Rate per Each				1113.69
	Say				1114.00

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.

9.4.32 4 X 50 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No joint				
	MATERIAL				
2395	Straight through cable jointing kit with heat shrinkable kit with ferrules for 4 X 50 sq. mm 1.1 KV grade cable	set	1.00	1212.75	1212.75
	Total cost of materials				1212.75
	Cartage @ 1% of cost of materials				12.13
	LABOUR				
1002	Cable jointer	day	0.25	301.00	75.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1361.88
	Add 15% for Overheads & Profit				204.28
	TOTAL				1566.16
	Rate per Each				1566.16
	Say				1566.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2413	Indoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	1.00	1688.40	1688.40
	Total cost of materials				1688.40
	Cartage @ 1% of cost of materials				16.88
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				1979.28
	Add 15% for Overheads & Profit				296.89
	TOTAL				2276.17
	Rate per Each				2276.17
	Say				2276.00

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 :

10.1.2 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2414	Indoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	1.00	1955.10	1955.10
	Total cost of materials				1955.10
	Cartage @ 1% of cost of materials				19.55
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				2413.05
	Add 15% for Overheads & Profit				361.96
	TOTAL				2775.01
	Rate per Each				2775.01
	Say				2775.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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 :

10.1.3 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2415	Indoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	1.00	2299.50	2299.50
	Total cost of materials				2299.50
	Cartage @ 1% of cost of materials				23.00
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				2870.50
	Add 15% for Overheads & Profit				430.58
	TOTAL				3301.08
	Rate per Each				3301.08
	Say				3301.00

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 :

10.1.4 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2416	Indoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	1.00	2299.50	2299.50
	Total cost of materials				2299.50
	Cartage @ 1% of cost of materials				23.00
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				2870.50
	Add 15% for Overheads & Profit				430.58
	TOTAL				3301.08
	Rate per Each				3301.08
	Say				3301.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2417	Outdoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	1.00	4270.35	4270.35
	Total cost of materials				4270.35
	Cartage @ 1% of cost of materials				42.70
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				4587.05
	Add 15% for Overheads & Profit				688.06
	TOTAL				5275.11
	Rate per Each				5275.11
	Say				5275.00

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 :

10.2.2 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2418	Outdoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	1.00	5215.35	5215.35
	Total cost of materials				5215.35
	Cartage @ 1% of cost of materials				52.15
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				5705.90
	Add 15% for Overheads & Profit				855.89
	TOTAL				6561.79
	Rate per Each				6561.79
	Say				6562.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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 :

10.2.3 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2419	Outdoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	1.00	6370.35	6370.35
	Total cost of materials				6370.35
	Cartage @ 1% of cost of materials				63.70
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				6982.05
	Add 15% for Overheads & Profit				1047.31
	TOTAL				8029.36
	Rate per Each				8029.36
	Say				8029.00

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 :

10.2.4 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2420	Outdoor cable jointing kit with cast resin compound with lugs for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	1.00	6370.35	6370.35
	Total cost of materials				6370.35
	Cartage @ 1% of cost of materials				63.70
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				6982.05
	Add 15% for Overheads & Profit				1047.31
	TOTAL				8029.36
	Rate per Each				8029.36
	Say				8029.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
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	1.00	2537.85	2537.85
	Total cost of materials				2537.85
	Cartage @ 1% of cost of materials				25.38
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				3001.63
	Add 15% for Overheads & Profit				450.24
	TOTAL				3451.87
	Rate per Each				3451.87
	Say				3452.00

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 :

10.3.2 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
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	1.00	2537.85	2537.85
	Total cost of materials				2537.85
	Cartage @ 1% of cost of materials				25.38
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				3001.63
	Add 15% for Overheads & Profit				450.24
	TOTAL				3451.87
	Rate per Each				3451.87
	Say				3452.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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 :

10.3.3 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
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	1.00	3806.25	3806.25
	Total cost of materials				3806.25
	Cartage @ 1% of cost of materials				38.06
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				4392.31
	Add 15% for Overheads & Profit				658.85
	TOTAL				5051.16
	Rate per Each				5051.16
	Say				5051.00

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 :

10.3.4 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
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	1.00	4791.15	4791.15
	Total cost of materials				4791.15
	Cartage @ 1% of cost of materials				47.91
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				5387.06
	Add 15% for Overheads & Profit				808.06
	TOTAL				6195.12
	Rate per Each				6195.12
	Say				6195.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2437	Indoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	1.00	4370.63	4370.63
	Total cost of materials				4370.63
	Cartage @ 1% of cost of materials				43.71
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				4688.34
	Add 15% for Overheads & Profit				703.25
	TOTAL				5391.59
	Rate per Each				5391.59
	Say				5392.00

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 :

10.4.2 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2438	Indoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	1.00	5118.75	5118.75
	Total cost of materials				5118.75
	Cartage @ 1% of cost of materials				51.19
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				5608.34
	Add 15% for Overheads & Profit				841.25
	TOTAL				6449.59
	Rate per Each				6449.59
	Say				6450.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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 :

10.4.3 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2439	Indoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	1.00	5381.25	5381.25
	Total cost of materials				5381.25
	Cartage @ 1% of cost of materials				53.81
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				5983.06
	Add 15% for Overheads & Profit				897.46
	TOTAL				6880.52
	Rate per Each				6880.52
	Say				6881.00

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 :

10.4.4 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2440	Indoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	1.00	5381.25	5381.25
	Total cost of materials				5381.25
	Cartage @ 1% of cost of materials				53.81
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				5983.06
	Add 15% for Overheads & Profit				897.46
	TOTAL				6880.52
	Rate per Each				6880.52
	Say				6881.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2441	Outdoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	1.00	6174.00	6174.00
	Total cost of materials				6174.00
	Cartage @ 1% of cost of materials				61.74
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				6509.74
	Add 15% for Overheads & Profit				976.46
	TOTAL				7486.20
	Rate per Each				7486.20
	Say				7486.00

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 :

10.5.2 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2442	Outdoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	1.00	6615.00	6615.00
	Total cost of materials				6615.00
	Cartage @ 1% of cost of materials				66.15
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				7119.55
	Add 15% for Overheads & Profit				1067.93
	TOTAL				8187.48
	Rate per Each				8187.48
	Say				8187.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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 :

10.5.3 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2443	Outdoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	1.00	7441.88	7441.88
	Total cost of materials				7441.88
	Cartage @ 1% of cost of materials				74.42
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				8064.30
	Add 15% for Overheads & Profit				1209.65
	TOTAL				9273.95
	Rate per Each				9273.95
	Say				9274.00

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 :

10.5.4 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2444	Outdoor heat shrinkable cable jointing kit with lugs for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	1.00	7441.88	7441.88
	Total cost of materials				7441.88
	Cartage @ 1% of cost of materials				74.42
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				8064.30
	Add 15% for Overheads & Profit				1209.65
	TOTAL				9273.95
	Rate per Each				9273.95
	Say				9274.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2445	Straight through heat shrinkable cable jointing kit with ferrules for 11 KV grade XLPE cable for 3 core 70 sq. mm.	set	1.00	10253.25	10253.25
	Total cost of materials				10253.25
	Cartage @ 1% of cost of materials				102.53
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				10794.18
	Add 15% for Overheads & Profit				1619.13
	TOTAL				12413.31
	Rate per Each				12413.31
	Say				12413.00

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 :

10.6.2 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2446	Straight through heat shrinkable cable jointing kit with ferrules for 11 KV grade XLPE cable for 3 core 120 sq. mm.	set	1.00	13062.00	13062.00
	Total cost of materials				13062.00
	Cartage @ 1% of cost of materials				130.62
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				13631.02
	Add 15% for Overheads & Profit				2044.65
	TOTAL				15675.67
	Rate per Each				15675.67
	Say				15676.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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 :

10.6.3 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2447	Straight through heat shrinkable cable jointing kit with ferrules for 11 KV grade XLPE cable for 3 core 240 sq. mm.	set	1.00	14269.50	14269.50
	Total cost of materials				14269.50
	Cartage @ 1% of cost of materials				142.70
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				14960.20
	Add 15% for Overheads & Profit				2244.03
	TOTAL				17204.23
	Rate per Each				17204.23
	Say				17204.00

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 :

10.6.4 300 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2448	Straight through heat shrinkable cable jointing kit with ferrules for 11 KV grade XLPE cable for 3 core 300 sq. mm.	set	1.00	14269.50	14269.50
	Total cost of materials				14269.50
	Cartage @ 1% of cost of materials				142.70
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				14960.20
	Add 15% for Overheads & Profit				2244.03
	TOTAL				17204.23
	Rate per Each				17204.23
	Say				17204.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2528	Indoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 70 sq. mm.	set	1.00	7376.25	7376.25
	Total cost of materials				7376.25
	Cartage @ 1% of cost of materials				73.76
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				7724.01
	Add 15% for Overheads & Profit				1158.60
	TOTAL				8882.61
	Rate per Each				8882.61
	Say				8883.00

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 :

10.7.2 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2529	Indoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 120 sq. mm.	set	1.00	7762.13	7762.13
	Total cost of materials				7762.13
	Cartage @ 1% of cost of materials				77.62
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				8278.15
	Add 15% for Overheads & Profit				1241.72
	TOTAL				9519.87
	Rate per Each				9519.87
	Say				9520.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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 :

10.7.3 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2530	Indoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 240 sq. mm.	set	1.00	11704.88	11704.88
	Total cost of materials				11704.88
	Cartage @ 1% of cost of materials				117.05
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				12369.93
	Add 15% for Overheads & Profit				1855.49
	TOTAL				14225.42
	Rate per Each				14225.42
	Say				14225.00

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2531	Outdoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 70 sq. mm.	set	1.00	9961.88	9961.88
	Total cost of materials				9961.88
	Cartage @ 1% of cost of materials				99.62
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				10335.50
	Add 15% for Overheads & Profit				1550.33
	TOTAL				11885.83
	Rate per Each				11885.83
	Say				11886.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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 :

10.8.2 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2532	Outdoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 120 sq. mm.	set	1.00	12311.25	12311.25
	Total cost of materials				12311.25
	Cartage @ 1% of cost of materials				123.11
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				12872.76
	Add 15% for Overheads & Profit				1930.91
	TOTAL				14803.67
	Rate per Each				14803.67
	Say				14804.00

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 :

10.8.3 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2533	Outdoor heat shrinkable cable jointing kit with lugs for 33 KV grade XLPE cable for 3 core 240 sq. mm.	set	1.00	15925.88	15925.88
	Total cost of materials				15925.88
	Cartage @ 1% of cost of materials				159.26
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				16633.14
	Add 15% for Overheads & Profit				2494.97
	TOTAL				19128.11
	Rate per Each				19128.11
	Say				19128.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2534	Straight through heat shrinkable cable jointing kit with ferrules for 33 KV grade XLPE cable for 3 core 70 sq. mm.	set	1.00	25659.38	25659.38
	Total cost of materials				25659.38
	Cartage @ 1% of cost of materials				256.59
	LABOUR				
1002	Cable jointer	day	0.50	301.00	150.50
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				26189.97
	Add 15% for Overheads & Profit				3928.50
	TOTAL				30118.47
	Rate per Each				30118.47
	Say				30118.00

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 :

10.9.2 120 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2535	Straight through heat shrinkable cable jointing kit with ferrules for 33 KV grade XLPE cable for 3 core 120 sq. mm.	set	1.00	32426.63	32426.63
	Total cost of materials				32426.63
	Cartage @ 1% of cost of materials				324.27
	LABOUR				
1002	Cable jointer	day	0.80	301.00	240.80
1007	Khallasi	day	0.80	247.00	197.60
	TOTAL				33189.30
	Add 15% for Overheads & Profit				4978.40
	TOTAL				38167.70
	Rate per Each				38167.70
	Say				38168.00

CHAPTER 10 – HV CABLE JOINTING & END TERMINATION

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 :

10.9.3 240 sq. mm

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 Joint				
	MATERIAL				
2536	Straight through heat shrinkable cable jointing kit with ferrules for 33 KV grade XLPE cable for 3 core 240 sq. mm.	set	1.00	45052.88	45052.88
	Total cost of materials				45052.88
	Cartage @ 1% of cost of materials				450.53
	LABOUR				
1002	Cable jointer	day	1.00	301.00	301.00
1007	Khallasi	day	1.00	247.00	247.00
	TOTAL				46051.41
	Add 15% for Overheads & Profit				6907.71
	TOTAL				52959.12
	Rate per Each				52959.12
	Say				52959.00

CHAPTER 11 – POLE ERECTION

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	MATERIAL				
2947	Bricks ballast = 0.44+ 0.02 (wastage@5%) = 0.46 cum	cum	0.46	500.00	230.00
	Total cost of materials				230.00
	Cartage @ 1% of cost of materials				2.30
	LABOUR				
1010	Mason, Grade 2	day	0.33	273.00	90.09
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	3.66	247.00	904.02
1013	Bhisti	day	0.16	260.00	41.60
	TOTAL				1358.10
	Add 15% for Overheads & Profit				203.72
	TOTAL				1561.82
14.4	Excavation including refilling as required	cum	1.07	215.00	230.05
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.07	3887.00	272.09
	TOTAL				2063.96
	Rate per Each				2063.96
	Say				2064.00

CHAPTER 11 – POLE ERECTION

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.

11.1.2 Above 6.5 metre and upto 8.0 metre

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	MATERIAL				
2947	Bricks ballast = 0.57+ 0.03(wastage @5%) = 0.60 cum	cum	0.60	500.00	300.00
	Total cost of materials				300.00
	Cartage @ 1% of cost of materials				3.00
	LABOUR				
1010	Mason, Grade 2	day	0.33	273.00	90.09
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	4.00	247.00	988.00
1013	Bhisti	day	0.16	260.00	41.60
	TOTAL				1512.78
	Add 15% for Overheads & Profit				226.92
	TOTAL				1739.70
14.4	Excavation including refilling as required	cum	1.36	215.00	292.40
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.07	3887.00	272.09
	TOTAL				2304.19
	Rate per Each				2304.19
	Say				2304.00

CHAPTER 11 – POLE ERECTION

- 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.

11.1.3 Above 8.0 metre and upto 11.0 metre

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2947	Bricks ballast = 0.70+ 0.04 (wastage @5%) = 0.74 cum	cum	0.74	500.00	370.00
	Total cost of materials				370.00
	Cartage @ 1% of cost of materials				3.70
	LABOUR				
1010	Mason, Grade 2	day	0.33	273.00	90.09
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	5.00	247.00	1235.00
1013	Bhisti	day	0.16	260.00	41.60
	TOTAL				1830.48
	Add 15% for Overheads & Profit				274.57
	TOTAL				2105.05
14.4	Excavation including refilling as required	cum	1.73	215.00	371.95
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.07	3887.00	272.09
	TOTAL				2749.09
	Rate per Each				2749.09
	Say				2749.00

CHAPTER 11 – POLE ERECTION

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.

11.1.4 Above 11.00 metre and upto 13.00 metre

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	MATERIAL				
2947	Bricks ballast = 0.88+ 0.04 (wastage @5%) = 0.92 cum	cum	0.92	500.00	460.00
	Total cost of materials				460.00
	Cartage @ 1% of cost of materials				4.60
	LABOUR				
1010	Mason, Grade 2	day	0.33	273.00	90.09
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	5.33	247.00	1316.51
1013	Bhisti	day	0.16	260.00	41.60
	TOTAL				2002.89
	Add 15% for Overheads & Profit				300.43
	TOTAL				2303.32
14.4	Excavation including refilling as required	cum	2.15	215.00	462.25
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.07	3887.00	272.09
	TOTAL				3037.66
	Rate per Each				3037.66
	Say				3038.00

CHAPTER 11 – POLE ERECTION

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	MATERIAL				
2947	Bricks ballast = 0.53+ 0.03 (wastage @5%) = 0.56 cum	cum	0.56	500.00	280.00
2924	Clamps, bolts, nuts etc.	set	1.00	89.25	89.25
	Total cost of materials				369.25
	Cartage @ 1% of cost of materials				3.69
	LABOUR				
1010	Mason, Grade 2	day	0.33	273.00	90.09
1003	Lineman	day	0.50	273.00	136.50
1007	Khallasi	day	7.50	247.00	1852.50
1013	Bhisti	day	0.16	260.00	41.60
	TOTAL				2493.63
	Add 15% for Overheads & Profit				374.04
	TOTAL				2867.67
14.4	Excavation including refilling as required	cum	1.34	215.00	288.10
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.08	3887.00	291.53
	TOTAL				3447.30
	Rate per Each				3447.30
	Say				3447.00

CHAPTER 11 – POLE ERECTION

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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One No				
	LABOUR				
1010	Mason, Grade 2	day	0.33	273.00	90.09
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	3.00	247.00	741.00
	TOTAL				921.18
	Add 15% for Overheads & Profit				138.18
	TOTAL				1059.36
14.4	Excavation including refilling as required	cum	0.68	215.00	146.20
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.21	3887.00	804.61
	TOTAL				2010.17
	Rate per Each				2010.17
	Say				2010.00

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.

11.3.2 Above 6.5 metre and upto 8.0 metre

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One No				
	LABOUR				
1010	Mason, Grade 2	day	0.33	273.00	90.09
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	3.33	247.00	822.51
	TOTAL				1002.69
	Add 15% for Overheads & Profit				150.40
	TOTAL				1153.09
14.4	Excavation including refilling as required	cum	0.87	215.00	187.05
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.29	3887.00	1115.57
	TOTAL				2455.71
	Rate per Each				2455.71
	Say				2456.00

CHAPTER 11 – POLE ERECTION

- 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.

11.3.3 Above 8.0 metre and upto 10.0 metre

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	LABOUR				
1010	Mason, Grade 2	day	0.33	273.00	90.09
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	3.66	247.00	904.02
	TOTAL				1084.20
	Add 15% for Overheads & Profit				162.63
	TOTAL				1246.83
14.4	Excavation including refilling as required	cum	1.06	215.00	227.90
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.38	3887.00	1477.06
	TOTAL				2951.79
	Rate per Each				2951.79
	Say				2952.00

CHAPTER 11 – POLE ERECTION

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.

11.3.4 Above 10.00 metre and upto 12.00 metre

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	LABOUR				
1010	Mason, Grade 2	day	0.33	273.00	90.09
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				1168.18
	Add 15% for Overheads & Profit				175.23
	TOTAL				1343.41
14.4	Excavation including refilling as required	cum	1.27	215.00	273.05
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.48	3887.00	1865.76
	TOTAL				3482.22
	Rate per Each				3482.22
	Say				3482.00

CHAPTER 11 – POLE ERECTION

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	MATERIAL				
2924	Clamps, bolts, nuts etc.	set	1.00	89.25	89.25
	Total cost of materials				89.25
	Cartage @ 1% of cost of materials				0.89
	LABOUR				
1010	Mason, Grade 2	day	0.33	273.00	90.09
1003	Lineman	day	0.50	273.00	136.50
1007	Khallasi	day	5.50	247.00	1358.50
	TOTAL				1675.23
	Add 15% for Overheads & Profit				251.28
	TOTAL				1926.51
14.4	Excavation including refilling as required	cum	0.95	215.00	204.25
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.34	3887.00	1321.58
	TOTAL				3452.34
	Rate per Each				3452.34
	Say				3452.00

CHAPTER 11 – POLE ERECTION

- 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)

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 cum				
	MATERIAL				
2950	Stone aggregate (single size) 20mm nominal size	cum	0.70	1050.00	735.00
2951	Stone aggregate (single size) 10mm nominal size	cum	0.24	1050.00	252.00
2952	Coarse sand (Zone III)	cum	0.47	1120.00	526.40
2948	Cement	tonne	0.22	5000.00	1100.00
	Total cost of materials				2613.40
	Cartage @ 1% of cost of materials				26.13
	LABOUR				
1010	Mason, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie	day	1.80	247.00	444.60
1013	Bhisti	day	1.00	260.00	260.00
9999	Sundries	L.S.	70.00	1.00	70.00
	TOTAL				3468.73
	Add 1% for water charges				34.43
	TOTAL				3503.16
	Add 15% for Overheads & Profit				521.55
	Cost for 1 cum				4024.71
	Rate per cum				4024.71
	Say				4025.00

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 2 metre long 1 No pipe				
	MATERIAL				
2831	32 mm dia. G.I. pipe (medium class)	metre	2.00	179.68	359.36
	Total cost of materials				359.36
	Cartage @ 1% of cost of materials				3.59
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.05	247.00	12.35
9999	Bending charges	L.S.	20.00	1.00	20.00
	TOTAL				408.95
	Add 15% for Overheads & Profit				61.34
	Cost for 2 metres				470.29
	Rate per metre				235.15
	Say				235.00

CHAPTER 11 – POLE ERECTION

- 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.
- 11.6.2 40 mm dia

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 2 metre long 1 No pipe				
	MATERIAL				
2826	40 mm dia. G.I. pipe (medium class)	metre	2.00	213.11	426.22
	Total cost of materials				426.22
	Cartage @ 1% of cost of materials				4.26
	LABOUR				
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.05	247.00	12.35
9999	Bending charges	L.S.	20.00	1.00	20.00
	TOTAL				476.48
	Add 15% for Overheads & Profit				71.47
	Cost for 2 metres				547.95
	Rate per metre				273.98
	Say				274.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
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	1.00	550.00	550.00
2602	Stay wire (7/4.00 mm dia.) = 7.62 + 0.23 (wastage @ 3%) = 7.85 kg	kg	7.85	48.00	376.80
2618	Stay clamp	set	1.00	60.00	60.00
2604	Turn buckle (20 mm X 60 cm)	each	1.00	200.00	200.00
2605	Strain insulator	each	1.00	25.00	25.00
	Total cost of materials				1211.80
	Cartage @ 1% of cost of materials				12.12
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				1642.52
	Add 15% for Overheads & Profit				246.38
	TOTAL				1888.90
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				3235.26
	Rate per Each				3235.26
	Say				3235.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
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	1.00	550.00	550.00
2603	Stay wire (7/3.15 mm dia.) = 4.92 + 0.25 (wastage @ 5%) = 5.17 kg	kg	5.17	48.00	248.16
2618	Stay clamp	set	1.00	60.00	60.00
2604	Turn buckle (20 mm X 60 cm)	each	1.00	200.00	200.00
2605	Strain insulator	each	1.00	25.00	25.00
	Total cost of materials				1083.16
	Cartage @ 1% of cost of materials				10.83
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				1512.59
	Add 15% for Overheads & Profit				226.89
	TOTAL				1739.48
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				3085.84
	Rate per Each				3085.84
	Say				3086.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
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	1.00	550.00	550.00
2602	Stay wire (7/4.00 mm dia.) = 7.62 + 0.23 (wastage @ 3%) = 7.85 kg	kg	7.85	48.00	376.80
2618	Stay clamp	set	1.00	60.00	60.00
2606	Bow tightner	each	1.00	200.00	200.00
2605	Strain insulator	each	1.00	25.00	25.00
	Total cost of materials				1211.80
	Cartage @ 1% of cost of materials				12.12
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				1642.52
	Add 15% for Overheads & Profit				246.38
	TOTAL				1888.90
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				3235.26
	Rate per Each				3235.26
	Say				3235.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
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	1.00	550.00	550.00
2603	Stay wire (7/3.15 mm dia.) = 4.92 + 0.15 (Wastage @ 3%) = 5.07kg	kg	5.07	48.00	243.36
2618	Stay clamp	set	1.00	60.00	60.00
2606	Bow tightner	each	1.00	200.00	200.00
2605	Strain insulator	each	1.00	25.00	25.00
	Total cost of materials				1078.36
	Cartage @ 1% of cost of materials				10.78
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				1507.74
	Add 15% for Overheads & Profit				226.16
	TOTAL				1733.90
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				3080.26
	Rate per Each				3080.26
	Say				3080.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
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	1.00	550.00	550.00
2602	Stay wire (7/4.00 mm dia.) = 7.62 + 0.23 (wastage @ 3%) = 7.85 kg	kg	7.85	48.00	376.80
2618	Stay clamp	set	2.00	60.00	120.00
2604	Turn buckle (20 mm X 60 cm)	each	1.00	200.00	200.00
2605	Strain insulator	each	1.00	25.00	25.00
2619	Brace (50 mm X 50 mm X 6 mm angle iron)	metre	0.60	221.73	133.04
2923	Pulley of 50 mm dia	each	1.00	65.10	65.10
	Total cost of materials				1469.94
	Cartage @ 1% of cost of materials				14.70
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				1916.89
	Add 15% for Overheads & Profit				287.53
	TOTAL				2204.42
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				3550.78
	Rate per Each				3550.78
	Say				3551.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
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	1.00	550.00	550.00
2603	Stay wire (7/3.15 mm dia.) = 4.92 + 0.15 (Wastage @ 3%) = 5.07kg	kg	5.07	48.00	243.36
2618	Stay clamp	set	2.00	60.00	120.00
2604	Turn buckle (20 mm X 60 cm)	each	1.00	200.00	200.00
2605	Strain insulator	each	1.00	25.00	25.00
2619	Brace (50 mm X 50 mm X 6 mm angle iron)	metre	0.60	221.73	133.04
2923	Pulley of 50 mm dia	each	1.00	65.10	65.10
	Total cost of materials				1336.50
	Cartage @ 1% of cost of materials				13.37
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				1782.12
	Add 15% for Overheads & Profit				267.32
	TOTAL				2049.44
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				3395.80
	Rate per Each				3395.80
	Say				3396.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
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	1.00	550.00	550.00
2602	Stay wire (7/4.00 mm dia.) = 7.62 + 0.23 (wastage @ 3%) = 7.85 kg	kg	7.85	48.00	376.80
2618	Stay clamp	set	2.00	60.00	120.00
2606	Bow tightner	each	1.00	200.00	200.00
2605	Strain insulator	each	1.00	25.00	25.00
2619	Brace (50 mm X 50 mm X 6 mm angle iron)	metre	0.60	221.73	133.04
2923	Pulley of 50 mm dia	each	1.00	65.10	65.10
	Total cost of materials				1469.94
	Cartage @ 1% of cost of materials				14.70
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				1916.89
	Add 15% for Overheads & Profit				287.53
	TOTAL				2204.42
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				3550.78
	Rate per Each				3550.78
	Say				3551.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
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	1.00	550.00	550.00
2603	Stay wire (7/3.15 mm dia.) = 4.92 + 0.15 (Wastage @ 3%) = 5.07kg	kg	5.07	48.00	243.36
2618	Stay clamp	set	2.00	60.00	120.00
2606	Bow tightner	each	1.00	200.00	200.00
2605	Strain insulator	each	1.00	25.00	25.00
2619	Brace (50 mm X 50 mm X 6 mm angle iron)	metre	0.60	221.73	133.04
2923	Pulley of 50 mm dia	each	1.00	65.10	65.10
	Total cost of materials				1336.50
	Cartage @ 1% of cost of materials				13.37
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				1782.12
	Add 15% for Overheads & Profit				267.32
	TOTAL				2049.44
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				3395.80
	Rate per Each				3395.80
	Say				3396.00

CHAPTER 12 – MV OVER HEAD LINE WORK

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One No				
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				418.60
	Add 15% for Overheads & Profit				62.79
	TOTAL				481.39
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				1827.75
	Rate per Each				1827.75
	Say				1828.00

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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2816	75 mm X 40 mm channel iron (7.14 kg/ mtr) = 0.55 mtr = 3.93kg + 0.08 (wastage @ 2%) = 4.01 kg	kg	4.01	45.00	180.45
2813	50 mm X 6 mm flat iron = 0.9 + 0.02 (wastage @ 2%) = 0.92 kg	kg	0.92	46.00	42.32
2867	16 mm X 50 mm bolts and nuts with washers	set	2.00	5.78	11.56
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				237.33
	Cartage @ 1% of cost of materials				2.37
	LABOUR				
1005	Fitter, Grade 2	day	0.12	273.00	32.76
1009	Blacksmith, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.18	247.00	44.46
1084	Drilling holes	each	6.00	5.00	30.00
	TOTAL				363.30
	Add 15% for Overheads & Profit				54.50
	TOTAL				417.80
	Rate per Each				417.80
	Say				418.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
	Cost for 1 No				
2816	75 mm X 40 mm channel iron (7.14 kg/ mtr) = 1.15 mtr = 8.21kg + 0.16 (wastage @ 2%) = 8.37 kg	kg	8.37	45.00	376.65
2813	50 mm X 6 mm flat iron = 0.9 + 0.02 (wastage @ 2%) = 0.92 kg	kg	0.92	46.00	42.32
2867	16 mm X 50 mm bolts and nuts with washers	set	2.00	5.78	11.56
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				433.53
	Cartage @ 1% of cost of materials				4.34
	LABOUR				
1005	Fitter, Grade 2	day	0.21	273.00	57.33
1009	Blacksmith, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.25	247.00	61.75
1084	Drilling holes	each	10.00	5.00	50.00
	TOTAL				623.33
	Add 15% for Overheads & Profit				93.50
	TOTAL				716.83
	Rate per Each				716.83
	Say				717.00

- 12.12 Erection of angle iron/ channel iron cross arm on wood/ RCC/ PCC/ steel tubular/ rail pole etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	LABOUR				
1003	Lineman	day	0.11	273.00	30.03
1007	Khallasi	day	0.22	247.00	54.34
	TOTAL				84.37
	Add 15% for Overheads & Profit				12.66
	TOTAL				97.03
	Rate per Each				97.03
	Say				97.00

CHAPTER 12 – MV OVER HEAD LINE WORK

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2635	D' iron clamp (with coach screws)	each	1.00	75.00	75.00
2607	Shackle insulator (75 mm X 90 mm) with G.I. bolts and nuts	set	1.00	38.00	38.00
	Total cost of materials				113.00
	Cartage @ 1% of cost of materials				1.13
	LABOUR				
1003	Lineman	day	0.04	273.00	10.92
1005	Fitter, Grade 2	day	0.04	273.00	10.92
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				155.73
	Add 15% for Overheads & Profit				23.36
	TOTAL				179.09
	Rate per Set				179.09
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2635	D' iron clamp (with coach screws)	each	1.00	75.00	75.00
2608	Shackle insulator (100 mm X 110 mm) with G.I. bolts and nuts	set	1.00	60.00	60.00
	Total cost of materials				135.00
	Cartage @ 1% of cost of materials				1.35
	LABOUR				
1003	Lineman	day	0.04	273.00	10.92
1005	Fitter, Grade 2	day	0.04	273.00	10.92
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				177.95
	Add 15% for Overheads & Profit				26.69
	TOTAL				204.64
	Rate per Set				204.64
	Say				205.00

CHAPTER 12 – MV OVER HEAD LINE WORK

12.15 Erection of galvanised 'D' iron clamps and insulator on pole as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	LABOUR				
1003	Lineman	day	0.04	273.00	10.92
1007	Khallasi	day	0.04	247.00	9.88
	TOTAL				20.80
	Add 15% for Overheads & Profit				3.12
	TOTAL				23.92
	Rate per Each				23.92
	Say				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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2607	Shackle insulator (75 mm X 90 mm) with G.I. bolts and nuts	set	1.00	38.00	38.00
2665	G.I. strap for shackle insulator	set	1.00	50.00	50.00
	Total cost of materials				88.00
	Cartage @ 1% of cost of materials				0.88
	LABOUR				
1003	Lineman	day	0.03	273.00	8.19
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				111.89
	Add 15% for Overheads & Profit				16.78
	TOTAL				128.67
	Rate per Set				128.67
	Say				129.00

CHAPTER 12 – MV OVER HEAD LINE WORK

12.17 Supplying and erection of 100 mm X 110 mm shackle insulator with G. I. Bolt, nuts and straps etc. as required .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2608	Shackle insulator (100 mm X 110 mm) with G.I. bolts and nuts	set	1.00	60.00	60.00
2665	G.I. strap for shackle insulator	set	1.00	50.00	50.00
	Total cost of materials				110.00
	Cartage @ 1% of cost of materials				1.10
	LABOUR				
1003	Lineman	day	0.03	273.00	8.19
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				134.11
	Add 15% for Overheads & Profit				20.12
	TOTAL				154.23
	Rate per Set				154.23
	Say				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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2609	Pin insulator (100 mm X 65 mm) with G.I. spindle and nuts	set	1.00	33.00	33.00
	Total cost of materials				33.00
	Cartage @ 1% of cost of materials				0.33
	LABOUR				
1003	Lineman	day	0.03	273.00	8.19
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				56.34
	Add 15% for Overheads & Profit				8.45
	TOTAL				64.79
	Rate per Set				64.79
	Say				65.00

CHAPTER 12 – MV OVER HEAD LINE WORK

12.19 Supplying and erection of 100 mm X 80 mm pin insulator complete with G. I. Spindle and nuts etc. as required .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2610	Pin insulator (100 mm X 80 mm) with G.I. spindle and nuts	set	1.00	35.00	35.00
	Total cost of materials				35.00
	Cartage @ 1% of cost of materials				0.35
	LABOUR				
1003	Lineman	day	0.03	273.00	8.19
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				58.36
	Add 15% for Overheads & Profit				8.75
	TOTAL				67.11
	Rate per Set				67.11
	Say				67.00

12.20 Erection of LV/MV shackle/pin insulator etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	LABOUR				
1003	Lineman	day	0.03	273.00	8.19
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				23.01
	Add 15% for Overheads & Profit				3.45
	TOTAL				26.46
	Rate per Each				26.46
	Say				26.50

12.21 Erection of ACSR conductor of 7/2.11 mm to 7/3.00 mm diameter including binding etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 133 kg				
	LABOUR				
1003	Lineman	day	5.00	273.00	1365.00
1007	Khallasi	day	25.00	247.00	6175.00
	TOTAL				7540.00
	Add 15% for Overheads & Profit				1131.00
	Cost for 133 Kg				8671.00
	Rate per Kg				65.20
	Say				65.00

CHAPTER 12 – MV OVER HEAD LINE WORK

12.22 Erection of ACSR conductor of 7/3.35 mm to 7/4.00 diameter and above including binding etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 133 kg LABOUR				
1003	Lineman	day	9.00	273.00	2457.00
1007	Khallasi	day	30.00	247.00	7410.00
	TOTAL				9867.00
	Add 15% for Overheads & Profit				1480.05
	Cost for 133 Kg				11347.05
	Rate per Kg				85.32
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 101 kg LABOUR				
1003	Lineman	day	5.00	273.00	1365.00
1007	Khallasi	day	25.00	247.00	6175.00
	TOTAL				7540.00
	Add 15% for Overheads & Profit				1131.00
	Cost for 101 Kg				8671.00
	Rate per Kg				85.85
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 174 kg LABOUR				
1003	Lineman	day	9.00	273.00	2457.00
1007	Khallasi	day	30.00	247.00	7410.00
	TOTAL				9867.00
	Add 15% for Overheads & Profit				1480.05
	Cost for 174 Kg				11347.05
	Rate per Kg				65.21
	Say				65.00

CHAPTER 12 – MV OVER HEAD LINE WORK

12.25 Erection of G.I. Wire No. 8 SWG including binding etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 153 kg				
	LABOUR				
1003	Lineman	day	1.25	273.00	341.25
1007	Khallasi	day	5.62	247.00	1388.14
	TOTAL				1729.39
	Add 15% for Overheads & Profit				259.41
	Cost for 153 Kg				1988.80
	Rate per Kg				13.00
	Say				13.00

12.26 Erection of hexagonal type guard as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one no				
	LABOUR				
1003	Lineman	day	0.06	273.00	16.38
1007	Khallasi	day	0.18	247.00	44.46
	TOTAL				60.84
	Add 15% for Overheads & Profit				9.13
	TOTAL				69.97
	Rate per Each				69.97
	Say				70.00

12.27 Erection of ring type guard as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one no				
	LABOUR				
1003	Lineman	day	0.02	273.00	5.46
1007	Khallasi	day	0.06	247.00	14.82
	TOTAL				20.28
	Add 15% for Overheads & Profit				3.04
	TOTAL				23.32
	Rate per Each				23.32
	Say				23.50

CHAPTER 12 – MV OVER HEAD LINE WORK

12.28 Erection of cradle guard as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one no				
	LABOUR				
1003	Lineman	day	0.04	273.00	10.92
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				40.56
	Add 15% for Overheads & Profit				6.08
	TOTAL				46.64
	Rate per Each				46.64
	Say				46.50

12.29 Supplying and erection of 15 A aerial fuse complete as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2615	15 amps aerial fuse complete with porcelain tube	each	1.00	15.00	15.00
	Total cost of materials				15.00
	Cartage @ 1% of cost of materials				0.15
	LABOUR				
1003	Lineman	day	0.04	273.00	10.92
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				45.83
	Add 15% for Overheads & Profit				6.87
	TOTAL				52.70
	Rate per Set				52.70
	Say				52.50

12.30 Supplying and erection of 30 A aerial fuse complete as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2616	30 amps aerial fuse complete with porcelain tube	each	1.00	25.00	25.00
	Total cost of materials				25.00
	Cartage @ 1% of cost of materials				0.25
	LABOUR				
1003	Lineman	day	0.04	273.00	10.92
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				55.93
	Add 15% for Overheads & Profit				8.39
	TOTAL				64.32
	Rate per Set				64.32
	Say				64.50

CHAPTER 12 – MV OVER HEAD LINE WORK

12.31 Erection of aerial fuse as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	LABOUR				
1003	Lineman	day	0.04	273.00	10.92
1007	Khallasi	day	0.08	247.00	19.76
	TOTAL				30.68
	Add 15% for Overheads & Profit				4.60
	TOTAL				35.28
	Rate per Each				35.28
	Say				35.50

12.32 Supplying and fixing MV horn gap lightning arrestor as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2611	MV horn gap lightning arrestor with pin insulator (100 mm X 65 mm), spindle and brass metal parts etc.	set	1.00	90.00	90.00
	Total cost of materials				90.00
	Cartage @ 1% of cost of materials				0.90
	LABOUR				
1003	Lineman	day	0.06	273.00	16.38
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				136.92
	Add 15% for Overheads & Profit				20.54
	TOTAL				157.46
	Rate per Set				157.46
	Say				157.00

12.33 Fixing of MV lightning arrestor as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	LABOUR				
1003	Lineman	day	0.06	273.00	16.38
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				46.02
	Add 15% for Overheads & Profit				6.90
	TOTAL				52.92
	Rate per Each				52.92
	Say				53.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2820	G.I. pipe 32 mm dia. (light class) = 2.0 + 0.04 (Wastage @ 2%) = 2.04m	metre	2.04	167.70	342.11
2812	40 mm X 3 mm flat iron = 2.6 + 0.05 (Wastage @ 2%) = 2.65kg	kg	2.65	45.00	119.25
2867	16 mm X 50 mm bolts and nuts with washers	set	4.00	5.78	23.12
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				487.48
	Cartage @ 1% of cost of materials				4.87
	LABOUR				
1005	Fitter, Grade 2	day	0.12	273.00	32.76
1003	Lineman	day	0.12	273.00	32.76
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				619.62
	Add 15% for Overheads & Profit				92.94
	TOTAL				712.56
	Rate per Each				712.56
	Say				713.00

CHAPTER 12 – MV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2821	G.I. pipe 50 mm dia. (light class) = 2.1 + 0.04 (Wastage @ 2%) = 2.14m	metre	2.14	259.76	555.89
2839	50 mm dia. G.I. bend (medium class)	each	3.00	96.80	290.40
2607	Shackle insulator (75 mm X 90 mm) with G.I. bolts and nuts	each	2.00	38.00	76.00
2620	Angle iron bracket (50 mm X 50 mm X 6 mm) 65 cm long	each	1.00	144.00	144.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2925	Flat iron clamps (50 mm X 6 mm) for G.I. pipe	each	4.00	26.25	105.00
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1194.29
	Cartage @ 1% of cost of materials				11.94
	LABOUR				
1005	Fitter, Grade 2	day	0.25	273.00	68.25
1003	Lineman	day	0.16	273.00	43.68
1007	Khallasi	day	0.50	247.00	123.50
	TOTAL				1441.66
	Add 15% for Overheads & Profit				216.25
	TOTAL				1657.91
	Rate per Each				1657.91
	Say				1658.00

CHAPTER 12 – MV OVER HEAD LINE WORK

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2821	G.I. pipe 50 mm dia. (light class) = 4.5 + 0.09 (Wastage @ 2%) = 4.59m	metre	4.50	259.76	1168.92
2839	50 mm dia. G.I. bend (medium class)	each	3.00	96.80	290.40
2807	50 mm X 50 mm X 6 mm angle iron = 3.0 + 0.06 (Wastage @ 2%) = 3.06m	kg	3.04	45.00	136.80
2607	Shackle insulator (75 mm X 90 mm) with G.I. bolts and nuts	each	2.00	38.00	76.00
2855	Steel fastener 6 mm X 75 mm	each	4.00	5.00	20.00
2925	Flat iron clamps (50 mm X 6 mm) for G.I. pipe	each	4.00	26.25	105.00
2623	Eye hook	each	1.00	16.00	16.00
2603	Stay wire (7/3.15 mm dia.) = 3.0 + 0.06 (Wastage @ 2%) = 3.06m	kg	0.82	48.00	39.36
2624	Guy clamp	each	1.00	60.00	60.00
2867	16 mm X 50 mm bolts and nuts with washers	set	2.00	5.78	11.56
2837	Nipple 50 mm dia	each	1.00	29.40	29.40
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1956.44
	Cartage @ 1% of cost of materials				19.56
	LABOUR				
1005	Fitter, Grade 2	day	0.16	273.00	43.68
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	0.41	247.00	101.27
	TOTAL				2211.04
	Add 15% for Overheads & Profit				331.66
	TOTAL				2542.70
	Rate per Each				2542.70
	Say				2543.00

CHAPTER 12 – MV OVER HEAD LINE WORK

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2821	G.I. pipe 50 mm dia. (light class) = 3.0 + 0.06 (Wastage @ 2%) = 3.06m	metre	3.06	259.76	794.87
2812	40 mm X 3 mm flat iron = 2.6 + 0.05 (Wastage @ 2%) = 2.65kg	kg	2.65	45.00	119.25
2867	16 mm X 50 mm bolts and nuts with washers	set	4.00	5.78	23.12
	Total cost of materials				937.24
	Cartage @ 1% of cost of materials				9.37
	LABOUR				
1005	Fitter, Grade 2	day	0.12	273.00	32.76
1003	Lineman	day	0.12	273.00	32.76
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1073.88
	Add 15% for Overheads & Profit				161.08
	TOTAL				1234.96
	Rate per Each				1234.96
	Say				1235.00

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2822	G.I. pipe 80 mm dia. (light class) = 3.0 + 0.06 (Wastage @ 2%) = 3.06kg	metre	3.06	415.99	1272.93
2812	40 mm X 3 mm flat iron = 2.6 + 0.05 (Wastage @ 2%) = 2.65kg	kg	2.65	45.00	119.25
2867	16 mm X 50 mm bolts and nuts with washers	set	4.00	5.78	23.12
	Total cost of materials				1415.30
	Cartage @ 1% of cost of materials				14.15
	LABOUR				
1005	Fitter, Grade 2	day	0.12	273.00	32.76
1003	Lineman	day	0.12	273.00	32.76
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				1556.72
	Add 15% for Overheads & Profit				233.51
	TOTAL				1790.23
	Rate per Each				1790.23
	Say				1790.00

CHAPTER 12 – MV OVER HEAD LINE WORK

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2823	G.I. pipe 100 mm dia. (light class) = 3.0 + 0.06 (Wastage @ 2%) = 3.06kg	metre	3.06	589.32	1803.32
2812	40 mm X 3 mm flat iron = 2.6 + 0.05 (Wastage @ 2%) = 2.65kg	kg	2.65	45.00	119.25
2867	16 mm X 50 mm bolts and nuts with washers	set	4.00	5.78	23.12
	Total cost of materials				1945.69
	Cartage @ 1% of cost of materials				19.46
	LABOUR				
1005	Fitter, Grade 2	day	0.12	273.00	32.76
1003	Lineman	day	0.12	273.00	32.76
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				2092.42
	Add 15% for Overheads & Profit				313.86
	TOTAL				2406.28
	Rate per Each				2406.28
	Say				2406.00

12.40 Dismantling of over head lines comprising of copper/ aluminium over head conductor, G.I. wire, cross arms, insulators etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one kg				
	LABOUR				
1003	Lineman	day	2.00	273.00	546.00
1007	Khallasi	day	4.00	247.00	988.00
	TOTAL				1534.00
	Add 15% for Overheads & Profit				230.10
	TOTAL				1764.10
	Rate per Kg				27.56
	Say				27.50

CHAPTER 12 – MV OVER HEAD LINE WORK

12.41 Dismantling of pole/ street light standard/ strut embedded in brick ballast foundation etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	LABOUR				
1003	Lineman	day	0.25	273.00	68.25
1007	Khallasi	day	2.00	247.00	494.00
	TOTAL				562.25
	Add 15% for Overheads & Profit				84.34
	TOTAL				646.59
	Rate per Each				646.59
	Say				647.00

12.42 Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for one No				
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	2.66	247.00	657.02
	TOTAL				747.11
	Add 15% for Overheads & Profit				112.07
	TOTAL				859.18
	Rate per Each				859.18
	Say				859.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
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	1.00	550.00	550.00
2602	Stay wire (7/4.00 mm dia.) = 8.40 + 0.25 (wastage @ 3%) = 8.65 kg	kg	8.65	48.00	415.20
2618	Stay clamp	set	1.00	60.00	60.00
2604	Turn buckle (20 mm X 60 cm)	each	1.00	200.00	200.00
2643	Strain insulator 11 KV	each	1.00	40.00	40.00
	Total cost of materials				1265.20
	Cartage @ 1% of cost of materials				12.65
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				1696.45
	Add 15% for Overheads & Profit				254.47
	TOTAL				1950.92
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				3297.28
	Rate per Each				3297.28
	Say				3297.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2816	75 mm X 40 mm channel iron (7.14 kg/ mtr) = 1.78 + 0.04 (Wastage @ 2%) = 1.82kg	kg	1.82	45.00	81.90
2813	50 mm X 6 mm flat iron = 0.82 + 0.02 (Wastage @ 2%) = 0.84kg	kg	0.84	46.00	38.64
2867	16 mm X 50 mm bolts and nuts with washers	set	2.00	5.78	11.56
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				135.10
	Cartage @ 1% of cost of materials				1.35
	LABOUR				
1005	Fitter, Grade 2	day	0.12	273.00	32.76
1009	Blacksmith, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.18	247.00	44.46
1084	Drilling holes	each	4.00	5.00	20.00
	TOTAL				250.05
	Add 15% for Overheads & Profit				37.51
	TOTAL				287.56
	Rate per Each				287.56
	Say				288.00

CHAPTER 13 – HV OVER HEAD LINE WORK

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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2814	50 mm X 8 mm flat iron = 1.60 + 0.03 (Wastage @ 2%) = 1.63kg	kg	1.63	45.00	73.35
2869	16 mm X 125 mm bolts and nuts with washers	set	2.00	19.43	38.86
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				115.21
	Cartage @ 1% of cost of materials				1.15
	LABOUR				
1005	Fitter, Grade 2	day	0.12	273.00	32.76
1009	Blacksmith, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.18	247.00	44.46
1084	Drilling holes	each	4.00	5.00	20.00
1086	Welding charges	mm	100.00	0.35	35.00
	TOTAL				264.96
	Add 15% for Overheads & Profit				39.74
	TOTAL				304.70
	Rate per Each				304.70
	Say				305.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2816	75 mm X 40 mm channel iron (7.14 kg/ mtr) = 7.85 + 0.16 (Wastage @ 2%) = 8.01kg	kg	8.01	45.00	360.45
2807	50 mm X 50 mm X 6 mm angle iron = 8.35 + 0.17 (Wastage @ 2%) = 8.52kg	kg	8.52	45.00	383.40
2813	50 mm X 6 mm flat iron = 1.63 + 0.03 (Wastage @ 2%) = 1.66kg	kg	1.66	46.00	76.36
2867	16 mm X 50 mm bolts and nuts with washers	set	4.00	5.78	23.12
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				846.33
	Cartage @ 1% of cost of materials				8.46
	LABOUR				
1005	Fitter, Grade 2	day	0.25	273.00	68.25
1009	Blacksmith, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.40	247.00	98.80
1086	Welding charges	mm	200.00	0.35	70.00
1084	Drilling holes	each	8.00	5.00	40.00
	TOTAL				1172.79
	Add 15% for Overheads & Profit				175.92
	TOTAL				1348.71
	Rate per Each				1348.71
	Say				1349.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2816	75 mm X 40 mm channel iron (7.14 kg/ mtr) = 10.05 + 0.201 (Wastage @ 2%) = 10.251kg	kg	10.25	45.00	461.25
2813	50 mm X 6 mm flat iron = 0.82 + 0.02 (Wastage @ 2%) = 0.84kg	kg	0.84	46.00	38.64
2867	16 mm X 50 mm bolts and nuts with washers	set	2.00	5.78	11.56
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				514.45
	Cartage @ 1% of cost of materials				5.14
	LABOUR				
1005	Fitter, Grade 2	day	0.30	273.00	81.90
1009	Blacksmith, Grade 2	day	0.20	273.00	54.60
1007	Khallasi	day	0.50	247.00	123.50
1086	Welding charges	mm	320.00	0.35	112.00
1084	Drilling holes	each	4.00	5.00	20.00
	TOTAL				911.59
	Add 15% for Overheads & Profit				136.74
	TOTAL				1048.33
	Rate per Each				1048.33
	Say				1048.00

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One Set				
	LABOUR				
1003	Lineman	day	0.20	273.00	54.60
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				153.40
	Add 15% for Overheads & Profit				23.01
	TOTAL				176.41
	Rate per Set				176.41
	Say				176.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2816	75 mm X 40 mm channel iron (7.14 kg/ mtr) = 32.84 + 0.66 (Wastage @ 2%) = 33.50kg	kg	33.50	45.00	1507.50
2813	50 mm X 6 mm flat iron = 2.52 + 0.0504 (Wastage @ 2%) = 2.57kg	kg	2.57	46.00	118.22
2869	16 mm X 125 mm bolts and nuts with washers	set	4.00	19.43	77.72
2868	16 mm X 40 mm bolts and nuts with washers	set	12.00	5.78	69.36
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1775.80
	Cartage @ 1% of cost of materials				17.76
	LABOUR				
1005	Fitter, Grade 2	day	0.50	273.00	136.50
1009	Blacksmith, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	1.50	247.00	370.50
1084	Drilling holes	each	32.00	5.00	160.00
	TOTAL				2501.51
	Add 15% for Overheads & Profit				375.23
	TOTAL				2876.74
	Rate per Each				2876.74
	Say				2877.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2807	50 mm X 50 mm X 6 mm angle iron = 41.98 + 0.84 (Wastage @ 2%) = 42.82kg	kg	42.82	45.00	1926.90
2813	50 mm X 6 mm flat iron = 3.65 + 0.07 (Wastage @ 2%) = 3.72kg	kg	3.72	46.00	171.12
2867	16 mm X 50 mm bolts and nuts with washers	set	8.00	5.78	46.24
2868	16 mm X 40 mm bolts and nuts with washers	set	1.00	5.78	5.78
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2153.04
	Cartage @ 1% of cost of materials				21.53
	LABOUR				
1003	Lineman	day	0.50	273.00	136.50
1005	Fitter, Grade 2	day	0.50	273.00	136.50
1009	Blacksmith, Grade 2	day	0.50	273.00	136.50
1007	Khallasi	day	3.00	247.00	741.00
1084	Drilling holes	each	18.00	5.00	90.00
	TOTAL				3415.07
	Add 15% for Overheads & Profit				512.26
	TOTAL				3927.33
	Rate per Each				3927.33
	Say				3927.00

- 13.9 Erection of double pole 3 wire cross arm for 11KV/ 22KV/ 33 KV over head lines as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One No				
	LABOUR				
1003	Lineman	day	0.35	273.00	95.55
1007	Khallasi	day	1.05	247.00	259.35
	TOTAL				354.90
	Add 15% for Overheads & Profit				53.24
	TOTAL				408.14
	Rate per Each				408.14
	Say				408.00

CHAPTER 13 – HV OVER HEAD LINE WORK

13.10 Supplying and erection of 11 KV pin insulator complete with large steel head G.I. pin, nuts, washers etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2645	11 KV pin insulator with pin washers and nuts	set	1.00	266.00	266.00
	Total cost of materials				266.00
	Cartage @ 1% of cost of materials				2.66
	LABOUR				
1003	Lineman	day	0.10	273.00	27.30
1007	Khallasi	day	0.10	247.00	24.70
	TOTAL				320.66
	Add 15% for Overheads & Profit				48.10
	TOTAL				368.76
	Rate per Set				368.76
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2646	11 KV disc insulator	set	1.00	776.00	776.00
2647	Galvanised insulator hardware fitting ball and socket type with strain clamps, bolts, nuts and washers	set	1.00	155.00	155.00
	Total cost of materials				931.00
	Cartage @ 1% of cost of materials				9.31
	LABOUR				
1003	Lineman	day	0.10	273.00	27.30
1005	Fitter, Grade 2	day	0.05	273.00	13.65
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				1018.31
	Add 15% for Overheads & Profit				152.75
	TOTAL				1171.06
	Rate per Each				1171.06
	Say				1171.00

CHAPTER 13 – HV OVER HEAD LINE WORK

13.12 Erection of disc/ pin insulator for 11 KV over head lines as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for One Set				
	LABOUR				
1003	Lineman	day	0.06	273.00	16.38
1007	Khallasi	day	0.12	247.00	29.64
	TOTAL				46.02
	Add 15% for Overheads & Profit				6.90
	TOTAL				52.92
	Rate per Set				52.92
	Say				53.00

13.13 Supplying and erection of three piece nonlinear resistor type lightning arrestor 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2650	3 piece lightning arrestor set for 11 KV O.H. lines complete with G.I. clamps bolts and nuts with washers	set	1.00	5062.50	5062.50
	Total cost of materials				5062.50
	Cartage @ 1% of cost of materials				50.63
	LABOUR				
1003	Lineman	day	0.25	273.00	68.25
1007	Khallasi	day	0.25	247.00	61.75
	TOTAL				5243.13
	Add 15% for Overheads & Profit				786.47
	TOTAL				6029.60
	Rate per Set				6029.60
	Say				6030.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
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	1.00	550.00	550.00
2602	Stay wire (7/4.00 mm dia.) = 8.40 + 0.25 (wastage @ 3%) = 8.65 kg	kg	8.65	48.00	415.20
2618	Stay clamp	set	1.00	60.00	60.00
2604	Turn buckle (20 mm X 60 cm)	each	1.00	200.00	200.00
2644	Strain insulator 33 KV	each	1.00	65.00	65.00
	Total cost of materials				1290.20
	Cartage @ 1% of cost of materials				12.90
	LABOUR				
1003	Lineman	day	0.33	273.00	90.09
1007	Khallasi	day	1.33	247.00	328.51
	TOTAL				1721.70
	Add 15% for Overheads & Profit				258.26
	TOTAL				1979.96
14.4	Excavation including refilling as required	cum	1.20	215.00	258.00
14.9	Cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.28	3887.00	1088.36
	TOTAL				3326.32
	Rate per Each				3326.32
	Say				3326.00

CHAPTER 13 – HV OVER HEAD LINE WORK

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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2816	75 mm X 40 mm channel iron (7.14 kg/ mtr) = 2.14 + 0.04 (Wastage @ 2%) = 2.18kg	kg	2.18	45.00	98.10
2813	50 mm X 6 mm flat iron = 0.82 + 0.02 (Wastage @ 2%) = 0.84kg	kg	0.84	46.00	38.64
2867	16 mm X 50 mm bolts and nuts with washers	set	2.00	5.78	11.56
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				151.30
	Cartage @ 1% of cost of materials				1.51
	LABOUR				
1005	Fitter, Grade 2	day	0.12	273.00	32.76
1009	Blacksmith, Grade 2	day	0.06	273.00	16.38
1007	Khallasi	day	0.18	247.00	44.46
1084	Drilling holes	each	4.00	5.00	20.00
	TOTAL				266.41
	Add 15% for Overheads & Profit				39.96
	TOTAL				306.37
	Rate per Each				306.37
	Say				306.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2816	75 mm X 40 mm channel iron (7.14 kg/ mtr) = 11.42 + 0.23 (Wastage @ 2%) = 11.65kg	kg	11.65	45.00	524.25
2807	50 mm X 50 mm X 6 mm angle iron = 11.75 + 0.24 (Wastage @ 2%) = 11.99kg	kg	11.99	45.00	539.55
2813	50 mm X 6 mm flat iron = 1.63 + 0.03 (Wastage @ 2%) = 1.66kg	kg	1.66	46.00	76.36
2867	16 mm X 50 mm bolts and nuts with washers	set	4.00	5.78	23.12
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1166.28
	Cartage @ 1% of cost of materials				11.66
	LABOUR				
1005	Fitter, Grade 2	day	0.25	273.00	68.25
1009	Blacksmith, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.40	247.00	98.80
1084	Drilling holes	each	8.00	5.00	40.00
1086	Welding charges	mm	200.00	0.35	70.00
	TOTAL				1495.94
	Add 15% for Overheads & Profit				224.39
	TOTAL				1720.33
	Rate per Each				1720.33
	Say				1720.00

CHAPTER 13 – HV OVER HEAD LINE WORK

13.17 Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per metre) 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2816	75 mm X 40 mm channel iron (7.14 kg/ mtr) = 13.26 + 0.27 (Wastage @ 2%) = 13.53kg	kg	13.53	45.00	608.85
2813	50 mm X 6 mm flat iron = 0.82 + 0.02 (Wastage @ 2%) = 0.84kg	kg	0.84	46.00	38.64
2867	16 mm X 50 mm bolts and nuts with washers	set	2.00	5.78	11.56
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				662.05
	Cartage @ 1% of cost of materials				6.62
	LABOUR				
1005	Fitter, Grade 2	day	0.30	273.00	81.90
1009	Blacksmith, Grade 2	day	0.20	273.00	54.60
1007	Khallasi	day	0.50	247.00	123.50
1086	Welding charges	mm	320.00	0.35	112.00
1084	Drilling holes	each	4.00	5.00	20.00
	TOTAL				1060.67
	Add 15% for Overheads & Profit				159.10
	TOTAL				1219.77
	Rate per Each				1219.77
	Say				1220.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 13.18 Supplying of channel iron 100 mm X 50 mm X 6 mm (9.56 kg per metre), 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2815	100 mm X 50 mm channel iron (9.56 kg/ mtr) = 2.87 + 0.06 (Wastage @ 2%) = 2.93kg	kg	2.93	45.00	131.85
2813	50 mm X 6 mm flat iron = 1.00 + 0.02 (Wastage @ 2%) = 1.02kg	kg	1.02	46.00	46.92
2867	16 mm X 50 mm bolts and nuts with washers	set	2.00	5.78	11.56
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				193.33
	Cartage @ 1% of cost of materials				1.93
	LABOUR				
1005	Fitter, Grade 2	day	0.15	273.00	40.95
1009	Blacksmith, Grade 2	day	0.07	273.00	19.11
1007	Khallasi	day	0.22	247.00	54.34
1084	Drilling holes	each	4.00	5.00	20.00
	TOTAL				329.66
	Add 15% for Overheads & Profit				49.45
	TOTAL				379.11
	Rate per Each				379.11
	Say				379.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 13.19 Supplying of channel iron 100 mm X 50 mm X 6 mm (9.56 kg per metre) 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2815	100 mm X 50 mm channel iron (9.56 kg/ mtr) = 17.75 + 0.36 (Wastage @ 2%) = 18.11kg	kg	18.11	45.00	814.95
2807	50 mm X 50 mm X 6 mm angle iron = 11.75 + 0.24 (Wastage @ 2%) = 11.99kg	kg	11.99	45.00	539.55
2813	50 mm X 6 mm flat iron = 2.01 + 0.0402 (Wastage @ 2%) = 2.05kg	kg	2.05	46.00	94.30
2867	16 mm X 50 mm bolts and nuts with washers	set	4.00	5.78	23.12
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				1474.92
	Cartage @ 1% of cost of materials				14.75
	LABOUR				
1005	Fitter, Grade 2	day	0.35	273.00	95.55
1009	Blacksmith, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.50	247.00	123.50
1086	Welding charges	mm	200.00	0.35	70.00
1084	Drilling holes	each	8.00	5.00	40.00
	TOTAL				1859.67
	Add 15% for Overheads & Profit				278.95
	TOTAL				2138.62
	Rate per Each				2138.62
	Say				2139.00

CHAPTER 13 – HV OVER HEAD LINE WORK

13.20 Supplying of channel iron 100 mm X 50 mm X 6 mm (9.56 kg per metre) 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2815	100 mm X 50 mm channel iron (9.56 kg/ mtr) = 17.75 + 0.36 (Wastage @ 2%) = 18.11kg	kg	18.11	45.00	814.95
2813	50 mm X 6 mm flat iron = 0.82 + 0.02 (Wastage @ 2%) = 0.84kg	kg	0.84	46.00	38.64
2867	16 mm X 50 mm bolts and nuts with washers	set	2.00	5.78	11.56
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				868.15
	Cartage @ 1% of cost of materials				8.68
	LABOUR				
1005	Fitter, Grade 2	day	0.30	273.00	81.90
1009	Blacksmith, Grade 2	day	0.20	273.00	54.60
1007	Khallasi	day	0.50	247.00	123.50
1086	Welding charges	mm	500.00	0.35	175.00
1084	Drilling holes	each	4.00	5.00	20.00
	TOTAL				1331.83
	Add 15% for Overheads & Profit				199.77
	TOTAL				1531.60
	Rate per Each				1531.60
	Say				1532.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 13.21 Supplying of two lengths of channel iron 100 mm X 50 mm X 6 mm (9.56 kg per metre) 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 .

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2815	100 mm X 50 mm channel iron (9.56 kg/ mtr) = 43.98 + 0.8796 (Wastage @ 2%) = 44.86kg	kg	44.86	45.00	2018.70
2813	50 mm X 6 mm flat iron = 2.88 + 0.06 (Wastage @ 2%) = 2.94kg	kg	2.94	46.00	135.24
2870	16 mm X 150 mm bolts and nuts with washers	set	4.00	21.63	86.52
2868	16 mm X 40 mm bolts and nuts with washers	set	12.00	5.78	69.36
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				2312.82
	Cartage @ 1% of cost of materials				23.13
	LABOUR				
1005	Fitter, Grade 2	day	0.60	273.00	163.80
1009	Blacksmith, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	2.70	247.00	666.90
1084	Drilling holes	each	32.00	5.00	160.00
	TOTAL				3367.60
	Add 15% for Overheads & Profit				505.14
	TOTAL				3872.74
	Rate per Each				3872.74
	Say				3873.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2808	65 mm X 65 mm X 6 mm angle iron = 76.42 + 1.53 (Wastage @ 2%) = 77.95kg	kg	77.95	45.00	3507.75
2813	50 mm X 6 mm flat iron = 4.42 + 0.09 (Wastage @ 2%) = 4.51kg	kg	4.51	46.00	207.46
2867	16 mm X 50 mm bolts and nuts with washers	set	8.00	5.78	46.24
2868	16 mm X 40 mm bolts and nuts with washers	set	1.00	5.78	5.78
2936	Painting with primer and finish paint	L.S.	1.00	3.00	3.00
	Total cost of materials				3770.23
	Cartage @ 1% of cost of materials				37.70
	LABOUR				
1003	Lineman	day	0.60	273.00	163.80
1005	Fitter, Grade 2	day	0.50	273.00	136.50
1009	Blacksmith, Grade 2	day	0.50	273.00	136.50
1007	Khallasi	day	3.40	247.00	839.80
1084	Drilling holes	each	18.00	5.00	90.00
	TOTAL				5174.53
	Add 15% for Overheads & Profit				776.18
	TOTAL				5950.71
	Rate per Each				5950.71
	Say				5951.00

- 13.23 Supplying and erection of 33 KV pin insulator complete with large steel head G.I. pin, nuts, washers etc. as required.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2648	33 KV pin insulator with pin washers and nuts	set	1.00	855.00	855.00
	Total cost of materials				855.00
	Cartage @ 1% of cost of materials				8.55
	LABOUR				
1003	Lineman	day	0.15	273.00	40.95
1007	Khallasi	day	0.15	247.00	37.05
	TOTAL				941.55
	Add 15% for Overheads & Profit				141.23
	TOTAL				1082.78
	Rate per Set				1082.78
	Say				1083.00

CHAPTER 13 – HV OVER HEAD LINE WORK

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2646	11 KV disc insulator	set	3.00	776.00	2328.00
2649	Galvanised insulator hardware fitting ball and socket type with strain clamps, bolts, nuts and wahers for 3 Nos 11 KV disk insulator	set	1.00	425.00	425.00
	Total cost of materials				2753.00
	Cartage @ 1% of cost of materials				27.53
	LABOUR				
1003	Lineman	day	0.25	273.00	68.25
1005	Fitter, Grade 2	day	0.15	273.00	40.95
1007	Khallasi	day	0.40	247.00	98.80
	TOTAL				2988.53
	Add 15% for Overheads & Profit				448.28
	TOTAL				3436.81
	Rate per Each				3436.81
	Say				3437.00

- 13.25 Supplying and erection of single piece nonlinear resistor type lightning arrestor 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 No				
	MATERIAL				
2651	Single piece lightning arrestor set for 33 KV O.H. lines complete with G.I. clamps bolts and nuts with washers	set	1.00	37500.00	37500.00
	Total cost of materials				37500.00
	Cartage @ 1% of cost of materials				375.00
	LABOUR				
1003	Lineman	day	0.30	273.00	81.90
1007	Khallasi	day	0.30	247.00	74.10
	TOTAL				38031.00
	Add 15% for Overheads & Profit				5704.65
	TOTAL				43735.65
	Rate per Set				43735.65
	Say				43736.00

CHAPTER 14 – CIVIL ITEMS

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 cum				
	LABOUR				
1016	Mate	day	0.25	260.00	65.00
1012	Beldar/ coolie	day	4.25	247.00	1049.75
	TOTAL				1114.75
	Add 1% for water charges				11.15
	TOTAL				1125.90
	Add 15% for Overheads & Profit				168.89
	Cost for 10 cum				1294.79
	Rate per cum				129.48
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 cum				
	LABOUR				
1016	Mate	day	0.25	260.00	65.00
1012	Beldar/ coolie	day	4.30	247.00	1062.10
	TOTAL				1127.10
	Add 1% for water charges				11.27
	TOTAL				1138.37
	Add 15% for Overheads & Profit				170.76
	Cost for 10 cum				1309.13
	Rate per cum				130.91
	Say				131.00

CHAPTER 14 – CIVIL ITEMS

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 cum				
	LABOUR				
1016	Mate	day	0.20	260.00	52.00
1012	Beldar/ coolie	day	2.50	247.00	617.50
1013	Bhisti	day	0.20	260.00	52.00
	TOTAL				721.50
	Add 1% for water charges				7.22
	TOTAL				728.72
	Add 15% for Overheads & Profit				109.31
	Cost for 10 cum				838.03
	Rate per cum				83.80
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 cum				
	LABOUR				
1016	Mate	day	0.25	260.00	65.00
1012	Beldar/ coolie	day	4.30	247.00	1062.10
1016	Mate	day	0.20	260.00	52.00
1012	Beldar/ coolie	day	2.50	247.00	617.50
1013	Bhisti	day	0.20	260.00	52.00
	TOTAL				1848.60
	Add 1% for water charges				18.49
	TOTAL				1867.09
	Add 15% for Overheads & Profit				280.06
	Cost for 10 cum				2147.15
	Rate per cum				214.72
	Say				215.00

CHAPTER 14 – CIVIL ITEMS

14.5 Deduct for not consolidation by ramming and watering while re-filling with sand and or good soil in cable/ pipe laying.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 cum				
	LABOUR				
1016	Mate	day	0.20	260.00	52.00
1012	Beldar/ coolie	day	1.25	247.00	308.75
1013	Bhisti	day	0.20	260.00	52.00
	TOTAL				412.75
	Add 1% for water charges				4.13
	TOTAL				416.88
	Add 15% for Overheads & Profit				62.53
	Cost for 10 cum				479.41
	Rate per cum				47.94
	Say				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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 cum				
	LABOUR				
1015	Stone Breaker	day	5.00	247.00	1235.00
1014	Excavator	day	3.00	247.00	741.00
1009	Blacksmith, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie	day	3.00	247.00	741.00
1012	Beldar/ coolie	day	2.00	260.00	520.00
1011	Stone Chiseler	day			3291.60
	TOTAL				493.74
	Add 15% for Overheads & Profit				3785.34
	Cost for 10 cub. Mtrs				378.53
	Rate per cub. Metre				379.00
	Say				789.00

CHAPTER 14 – CIVIL ITEMS

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 cum				
	MATERIAL				
2950	Stone aggregate (single size) 20mm nominal size	cum	0.67	1050.00	703.50
2951	Stone aggregate (single size) 10mm nominal size	cum	0.22	1050.00	231.00
2952	Coarse sand (Zone III)	cum	0.45	1120.00	498.40
2948	Cement	tonne	0.32	5000.00	1600.00
	Total cost of materials				3032.90
	Cartage @ 1% of cost of materials				30.33
	LABOUR				
1010	Mason, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie	day	1.80	247.00	444.60
1013	Bhisti	day	1.00	260.00	260.00
9999	Sundries	L.S.	70.00	1.00	70.00
	TOTAL				3892.43
	Add 1% for water charges				38.62
	TOTAL				3931.05
	Add 15% for Overheads & Profit				585.11
	TOTAL				4516.16
	Rate per cum				4516.16
	Say				4516.00

- 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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 cum				
	MATERIAL				
2950	Stone aggregate (single size) 20mm nominal size	cum	0.70	1050.00	735.00
2951	Stone aggregate (single size) 10mm nominal size	cum	0.24	1050.00	252.00
2952	Coarse sand (Zone III)	cum	0.47	1120.00	526.40
2948	Cement	tonne	0.22	5000.00	1100.00
	Total cost of materials				2613.40
	Cartage @ 1% of cost of materials				26.13
	LABOUR				
1010	Mason, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie	day	1.80	247.00	444.60
1013	Bhisti	day	1.00	260.00	260.00
9999	Sundries	L.S.	70.00	1.00	70.00
	TOTAL				3468.73
	Add 1% for water charges				34.43
	TOTAL				3503.16
	Add 15% for Overheads & Profit				521.55
	TOTAL				4024.71
	Cost for 1 cum				4024.71
	Rate per cum				4024.71
	Say				4025.00

CHAPTER 14 – CIVIL ITEMS

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 cum				
	MATERIAL				
2949	Stone aggregate (single size) 40mm nominal size	cum	0.65	950.00	617.50
2950	Stone aggregate (single size) 20mm nominal size	cum	0.24	1050.00	252.00
2952	Coarse sand (Zone III)	cum	0.47	1120.00	526.40
2948	Cement	tonne	0.22	5000.00	1100.00
	Total cost of materials				2495.90
	Cartage @ 1% of cost of materials				24.96
	LABOUR				
1010	Mason, Grade 2	day	0.20	273.00	54.60
1012	Beldar/ coolie	day	1.80	247.00	444.60
1013	Bhisti	day	1.00	260.00	260.00
9999	Sundries	L.S.	70.00	1.00	70.00
	TOTAL				3350.06
	Add 1% for water charges				33.25
	TOTAL				3383.31
	Add 15% for Overheads & Profit				503.75
	TOTAL				3887.06
	Rate per cum				3887.06
	Say				3887.00

- 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).

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 cum				
	MATERIAL				
2950	Stone aggregate (single size) 20mm nominal size	cum	0.67	1050.00	703.50
2951	Stone aggregate (single size) 10mm nominal size	cum	0.22	1050.00	231.00
2952	Coarse sand (Zone III)	cum	0.45	1120.00	498.40
2948	Cement	tonne	0.32	5000.00	1600.00
	Total cost of materials				3032.90
	Cartage @ 1% of cost of materials				30.33
	LABOUR				
1010	Mason, Grade 2	day	0.25	273.00	68.25
1012	Beldar/ coolie	day	2.40	247.00	592.80
1013	Bhisti	day	1.00	260.00	260.00
9999	Sundries	L.S.	70.00	1.00	70.00
	TOTAL				4054.28
	Add 1% for water charges				40.24
	TOTAL				4094.52
	Add 15% for Overheads & Profit				609.63
	Cost for 1 cum				4704.15
	Rate per cum				4704.15
	Say				4704.00

CHAPTER 14 – CIVIL ITEMS

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.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 1 cum				
	MATERIAL				
2945	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	each	494.00	2.90	1432.60
2952	Coarse sand (Zone III)	cum	0.27	1120.00	300.16
2948	Cement	tonne	0.10	5000.00	475.00
	Total cost of materials				2207.76
	Cartage @ 1% of cost of materials				22.08
	LABOUR				
1010	Mason, Grade 2	day	0.90	273.00	245.70
1012	Beldar/ coolie	day	2.00	247.00	494.00
1013	Bhisti	day	0.22	260.00	57.20
	TOTAL				3026.74
	Add 1% for water charges				30.05
	TOTAL				3056.79
	Add 15% for Overheads & Profit				455.21
	TOTAL				3512.00
	Rate per cum				3512.00
	Say				3512.00

14.12 Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 sqm				
	MATERIAL				
2946	Fine sand	cum	0.18	640.00	117.76
2948	Cement	tonne	0.07	5000.00	327.00
	Total cost of materials				444.76
	Cartage @ 1% of cost of materials				4.45
	LABOUR				
1010	Mason, Grade 2	day	1.00	273.00	273.00
1012	Beldar/ coolie	day	1.00	247.00	247.00
1013	Bhisti	day	1.00	260.00	260.00
	TOTAL				1229.21
	Add 1% for water charges				12.25
	TOTAL				1241.46
	Add 15% for Overheads & Profit				185.55
	Cost for 10 sqm				1427.01
	Rate per sqm				142.70
	Say				143.00

CHAPTER 14 – CIVIL ITEMS

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 Meters				
	MATERIAL				
2832	50 mm dia. G.I. pipe (medium class)	metre	30.00	261.33	7839.90
	Total cost of materials				7839.90
	Cartage @ 1% of cost of materials				78.40
	LABOUR				
1004	Fitter, Grade 1	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	For trenching and reifilling				
1012	Beldar/ coolie	day	4.00	247.00	988.00
	TOTAL				9087.14
	Add 15% for Overheads & Profit				1363.07
	Cost for 30 Meters				10450.21
	Rate per Metre				348.34
	Say				348.00

- 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
- 14.13.2 80 mm dia

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 Meters				
	MATERIAL				
2833	80 mm dia. G.I. pipe (medium class)	metre	30.00	439.54	13186.20
	Total cost of materials				13186.20
	Cartage @ 1% of cost of materials				131.86
	LABOUR				
1004	Fitter, Grade 1	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	For trenching and reifilling				
1012	Beldar/ coolie	day	4.00	247.00	988.00
	TOTAL				14486.90
	Add 15% for Overheads & Profit				2173.04
	Cost for 30 Meters				16659.94
	Rate per Metre				555.33
	Say				555.00

CHAPTER 14 – CIVIL ITEMS

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

14.13.3 100 mm dia

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 Meters				
	MATERIAL				
2834	100 mm dia. G.I. pipe (medium class)	metre	30.00	619.88	18596.40
	Total cost of materials				18596.40
	Cartage @ 1% of cost of materials				185.96
	LABOUR				
1004	Fitter, Grade 1	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	For trenching and reifilling				
1012	Beldar/ coolie	day	4.00	247.00	988.00
	TOTAL				19951.20
	Add 15% for Overheads & Profit				2992.68
	Cost for 30 Meters				22943.88
	Rate per Metre				764.80
	Say				765.00

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

14.13.4 150 mm dia

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 30 Meters				
	MATERIAL				
2835	150 mm dia. G.I. pipe (medium class)	metre	30.00	988.35	29650.50
	Total cost of materials				29650.50
	Cartage @ 1% of cost of materials				296.51
	LABOUR				
1004	Fitter, Grade 1	day	0.33	301.00	99.33
1007	Khallasi	day	0.33	247.00	81.51
	For trenching and reifilling				
1012	Beldar/ coolie	day	4.00	247.00	988.00
	TOTAL				31115.85
	Add 15% for Overheads & Profit				4667.38
	Cost for 30 Meters				35783.23
	Rate per Metre				1192.77
	Say				1193.00

CHAPTER 14 – CIVIL ITEMS

- 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

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Meters				
	MATERIAL				
2841	100 mm dia RCC pipe NP2 class	metre	10.00	135.00	1350.00
2845	100 mm dia RCC collar NP2 class	each	5.00	20.00	100.00
2948	Cement	tonne	0.01	5000.00	25.00
2946	Fine Sand	cum	0.01	640.00	3.84
	Total cost of materials				1478.84
	Cartage @ 1% of cost of materials				14.79
	LABOUR				
1010	Mason, Grade 2	day	0.66	273.00	180.18
1012	Beldar/ coolie	day	0.66	247.00	163.02
1013	Bhisti	day	0.16	260.00	41.60
	For trenching and refilling				
1012	Beldar/ coolie	day	2.50	247.00	617.50
	TOTAL				2495.93
	Add 15% for Overheads & Profit				374.39
	Cost for 10 Meters				2870.32
	Rate per Metre				287.03
	Say				287.00

CHAPTER 14 – CIVIL ITEMS

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.

14.14.2 150 mm dia

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Meters				
	MATERIAL				
2842	150 mm dia RCC pipe NP2 class	metre	10.00	154.00	1540.00
2846	150 mm dia RCC collar NP2 class	each	5.00	25.00	125.00
2948	Cement	tonne	0.01	5000.00	30.00
2946	Fine Sand	cum	0.01	640.00	5.12
	Total cost of materials				1700.12
	Cartage @ 1% of cost of materials				17.00
	LABOUR				
1010	Mason, Grade 2	day	0.80	273.00	218.40
1012	Beldar/ coolie	day	0.80	247.00	197.60
1013	Bhisti	day	0.16	260.00	41.60
	For trenching and refilling				
1012	Beldar/ coolie	day	2.75	247.00	679.25
	TOTAL				2853.97
	Add 15% for Overheads & Profit				428.10
	Cost for 10 Meters				3282.07
	Rate per Metre				328.21
	Say				328.00

- 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.

14.14.3 250 mm dia

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Meters				
	MATERIAL				
2843	250 mm dia RCC pipe NP2 class	metre	10.00	188.00	1880.00
2847	250 mm dia RCC collar NP2 class	each	5.00	40.00	200.00
2948	Cement	tonne	0.01	5000.00	45.00
2946	Fine Sand	cum	0.01	640.00	7.68
	Total cost of materials				2132.68
	Cartage @ 1% of cost of materials				21.33
	LABOUR				
1010	Mason, Grade 2	day	1.00	273.00	273.00
1012	Beldar/ coolie	day	1.00	247.00	247.00
1013	Bhisti	day	0.20	260.00	52.00
	For trenching and refilling				
1012	Beldar/ coolie	day	2.85	247.00	703.95
	TOTAL				3429.96
	Add 15% for Overheads & Profit				514.49
	Cost for 10 Meters				3944.45
	Rate per Metre				394.45
	Say				394.00

CHAPTER 14 – CIVIL ITEMS

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.

14.14.4 300 mm dia

Code	Description	Unit	Qty	Rate	Amount
	Details of cost for 10 Meters				
	MATERIAL				
2844	300 mm dia RCC pipe NP2 class	metre	10.00	261.00	2610.00
2848	300 mm dia RCC collar NP2 class	each	4.00	49.00	196.00
2948	Cement	tonne	0.01	5000.00	55.00
2946	Fine Sand	cum	0.02	640.00	9.60
	Total cost of materials				2870.60
	Cartage @ 1% of cost of materials				28.71
	LABOUR				
1010	Mason, Grade 2	day	1.20	273.00	327.60
1012	Beldar/ coolie	day	1.20	247.00	296.40
1013	Bhisti	day	0.20	260.00	52.00
	For trenching and refilling				
1012	Beldar/ coolie	day	3.00	247.00	741.00
	TOTAL				4316.31
	Add 15% for Overheads & Profit				647.45
	Cost for 10 Meters				4963.76
	Rate per Metre				496.38
	Say				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	Khallasi	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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
1543	63 amps. TPN, one way, tap off box with TPN disconnecter FSU and ISI marked HRC fuses for rising mains	each	5645.98
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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 arrestor set for 11 KV O.H. lines complete with G.I. clamps bolts and nuts with washers	Set	5062.50
2651	Single piece lightning arrestor 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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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
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.
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
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

Code No	Description	Unit	Rate Rs.
GI AND RCC PIPE			
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
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

APPENDIX –II BASIC RATE OF MATERIAL

Code No	Description	Unit	Rate Rs.
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	Litre	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	Litre	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