

Chapter No. 33.14
COPPER EARTHING:

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
33.14		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 20 mm x 3 mm thick electrolytic copper tape rivetted (with 10 nos. copper rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) burried 10 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 13 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.								
		Unit :-	1	Each						
I		Materials								
(i)		Tinned Copper plate 30cm x 120cm x 3mm thick (7.920 kg. per metre)	Kg.	9.504	626.40	5953.31				
(ii)		Copper rivet 6mm	Each	10.00	10.55	105.50				
(iii)		Electrolytic copper tape 20mm x 3mm (0.529 kg. per metre)	Kg.	6.877	501.13	3446.27				
(iv)		Salt	Kg.	10.00	7.00	70.00				
(v)		Charcoal	Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)	Metre	10.00	93.37	933.70				
(vii)		G.I. reducer 50mm x 20mm	Each	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)	Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)	Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm	Each	1.00	263.75	263.75				
		Total - I				11347.91				
		Sundries such as carriage of material and other hidden charges etc. @1% on Rs.11347.91				113.48				
		Add contractor's profit @ 10% i.e. on Rs. 11461.39				1146.14				
		Add labour cess @ 1% i.e. on Rs. 12607.53				126.08				
		Material for	1	Each		12733.61	12733.61			12733.61
II		Labour								
		Taking output	1	Each						
(i)		Mazdoor(semi skilled) for making hole with digger	Day	5.00	149.97	749.85				
(ii)		Wireman (1st Class)	Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)	Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)	Day	1/5	190.00	38.00				
		Total - II				853.73				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.853.73				8.54				
		Add contractor's profit @ 21.5% i.e. on Rs. 862.27				185.39				
		Add labour cess @ 1% i.e. on Rs. 1047.66				10.48				
		Labour for 1 Each				1058.14				
		Labour for 1 Each				1058.14	1058.14		1058.14	
		Cost for 1 Each					13791.75			
		Add 10% for sub mountainous region								105.81
		Labour for 1 Each								1163.95
		Cost for 1 Each								13897.56

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(ii)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 20 mm x 3 mm thick electrolytic copper tape rivetted (with 10 nos. copper rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) buried 20 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 23 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.								
		Unit :-	1	Each						
I		Materials								
(i)		Tinned Copper plate 30cm x 120cm x 3mm thick (7.920 kg. per metre)	Kg.	9.504	626.40	5953.31				
(ii)		Copper rivet 6mm	Each	10.00	10.55	105.50				
(iii)		Electrolytic copper tape 20mm x 3mm (0.529 kg. per metre)	Kg.	12.167	501.13	6097.25				
(iv)		Salt	Kg.	10.00	7.00	70.00				
(v)		Charcoal	Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)	Metre	20.00	93.37	1867.40				
(vii)		G.I. reducer 50mm x 20mm	Each	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)	Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)	Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm	Each	1.00	263.75	263.75				
		Total - I				14932.59				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.14932.59				149.33				
		Add contractor's profit @ 10% i.e. on Rs. 15081.92				1508.19				
		Add labour cess @ 1% i.e. on Rs. 16590.11				165.90				
		Material for	1	Each		16756.01	16756.01			16756.01
II		Labour								
		Taking output	1	Each						
(i)		Mazdoor(semi skilled) for making hole with digger	Day	10.00	149.97	1499.70				
(ii)		Wireman (1st Class)	Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)	Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)	Day	1/5	190.00	38.00				
		Total - II				1603.58				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.1603.58				16.04				
		Add contractor's profit @ 21.5% i.e. on Rs. 1619.62				348.22				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add labour cess @ 1% i.e. on Rs. 1967.84						19.68				
		Labour for	1	Each				1987.52				
		Labour for	1	Each				1987.52	1987.52		1987.52	
		Cost for	1	Each					18743.53			
		Add 10% for sub mountainous region										198.75
		Labour for	1	Each								2186.27
		Cost for	1	Each								18942.28

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(iii)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 25 mm x 3 mm thick electrolytic copper tape rivetted (with 10 nos. copper rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) buried 10 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 13 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.								
		Unit :-	1	Each						
I		Materials								
(i)		Tinned Copper plate 30cm x 120cm x 3mm thick (7.920 kg. per metre)								
			Kg.	9.504	626.40	5953.31				
(ii)		Copper rivet 6mm	Each	10.00	10.55	105.50				
(iii)		Electrolytic copper tape 25mm x 3mm (0.663 kg. per metre)	Kg.	8.619	501.13	4319.24				
(iv)		Salt	Kg.	10.00	7.00	70.00				
(v)		Charcoal	Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)	Metre	10.00	93.37	933.70				
(vii)		G.I. reducer 50mm x 20mm	Each	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)	Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)	Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm	Each	1.00	263.75	263.75				
		Total - I				12220.88				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.12220.88				122.21				
		Add contractor's profit @ 10% i.e. on Rs. 12343.09				1234.31				
		Add labour cess @ 1% i.e. on Rs. 13577.4				135.77				
		Material for	1	Each		13713.17	13713.17			13713.17
II		Labour								
		Taking output	1	Each						
(i)		Mazdoor(semi skilled) for making hole with digger	Day	5.00	149.97	749.85				
(ii)		Wireman (1st Class)	Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)	Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)	Day	1/5	190.00	38.00				
		Total - II				853.73				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.853.73				8.54				
		Add contractor's profit @ 21.5% i.e. on Rs. 862.27				185.39				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add labour cess @ 1% i.e. on Rs. 1047.66				10.48				
		Labour for 1 Each				1058.14				
		Labour for 1 Each				1058.14	1058.14	1058.14		
		Cost for 1 Each					14771.31			
		Add 10% for sub mountainous region								105.81
		Labour for 1 Each								1163.95
		Cost for 1 Each								14877.12

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(iv)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 25 mm x 3 mm thick electrolytic copper tape rivetted (with 10 nos. copper rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) buried 20 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 23 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.								
		Unit :-	1	Each						
I		Materials								
(i)		Tinned Copper plate 30cm x 120cm x 3mm thick (7.920 kg. per metre)								
			Kg.	9.504	626.40	5953.31				
(ii)		Copper rivet 6mm	Each	10.00	10.55	105.50				
(iii)		Electrolytic copper tape 25mm x 3mm (0.663 kg. per metre)	Kg.	15.249	501.13	7641.73				
(iv)		Salt	Kg.	10.00	7.00	70.00				
(v)		Charcoal	Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)	Metre	20.00	93.37	1867.40				
(vii)		G.I. reducer 50mm x 20mm	Each	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)	Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)	Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm	Each	1.00	263.75	263.75				
		Total - I				16477.07				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.16477.07				164.77				
		Add contractor's profit @ 10% i.e. on Rs. 16641.84				1664.18				
		Add labour cess @ 1% i.e. on Rs. 18306.02				183.06				
		Material for	1	Each		18489.08	18489.08			18489.08
II		Labour								
		Taking output	1	Each						
(i)		Mazdoor(semi skilled) for making hole with digger	Day	10.00	149.97	1499.70				
(ii)		Wireman (1st Class)	Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)	Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)	Day	1/5	190.00	38.00				
		Total - II				1603.58				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.1603.58				16.04				
		Add contractor's profit @ 21.5% i.e. on Rs. 1619.62				348.22				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add labour cess @ 1% i.e. on Rs. 1967.84						19.68				
		Labour for	1	Each				1987.52				
		Labour for	1	Each				1987.52	1987.52		1987.52	
		Cost for	1	Each					20476.60			
		Add 10% for sub mountainous region										198.75
		Labour for	1	Each								2186.27
		Cost for	1	Each								20675.35

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(v)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 30 mm x 3 mm thick electrolytic copper tape rivetted (with 10 nos. copper rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) buried 10 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 13 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.								
		Unit :-	1	Each						
I		Materials								
(i)		Tinned Copper plate 30cm x 120cm x 3mm thick (7.920 kg. per metre)								
			Kg.	9.504	626.40	5953.31				
(ii)		Copper rivet 6mm								
			Each	10.00	10.55	105.50				
(iii)		Electrolytic copper tape 30mm x 3mm (0.796 kg. per metre)								
			Kg.	10.348	501.13	5185.69				
(iv)		Salt								
			Kg.	10.00	7.00	70.00				
(v)		Charcoal								
			Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)								
			Metre	10.00	93.37	933.70				
(vii)		G.I. reducer 50mm x 20mm								
			Each	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)								
			Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)								
			Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm								
			Each	1.00	263.75	263.75				
		Total - I				13087.33				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.13087.33				130.87				
		Add contractor's profit @ 10% i.e. on Rs. 13218.2				1321.82				
		Add labour cess @ 1% i.e. on Rs. 14540.02				145.40				
		Material for	1	Each		14685.42	14685.42			14685.42
II		Labour								
		Taking output	1	Each						
(i)		Mazdoor(semi skilled) for making hole with digger								
			Day	5.00	149.97	749.85				
(ii)		Wireman (1st Class)								
			Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)								
			Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)								
			Day	1/5	190.00	38.00				
		Total - II				853.73				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.853.73				8.54				
		Add contractor's profit @ 21.5% i.e. on Rs. 862.27				185.39				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add labour cess @ 1% i.e. on Rs. 1047.66				10.48				
		Labour for	1	Each		1058.14				
		Labour for	1	Each		1058.14	1058.14	1058.14		
		Cost for	1	Each			15743.56			
		Add 10% for sub mountainous region								105.81
		Labour for	1	Each						1163.95
		Cost for	1	Each						15849.37

(vi)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 30 mm x 3 mm thick electrolytic copper tape rivetted (with 10 nos. copper rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) buried 20 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 23 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.									
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Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Unit :- 1 Each								
I		Materials								
(i)		Tinned Copper plate 30cm x 120cm x 3mm thick (7.920 kg. per metre)	Kg.	9.504	626.40	5953.31				
(ii)		Copper rivet 6mm	Each	10.00	10.55	105.50				
(iii)		Electrolytic copper tape 30mm x 3mm (0.796 kg. per metre)	Kg.	18.308	501.13	9174.69				
(iv)		Salt	Kg.	10.00	7.00	70.00				
(v)		Charcoal	Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)	Metre	20.00	93.37	1867.40				
(vii)		G.I. reducer 50mm x 20mm	Each	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)	Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)	Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm	Each	1.00	263.75	263.75				
		Total - I				18010.03				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.18010.03				180.10				
		Add contractor's profit @ 10% i.e. on Rs. 18190.13				1819.01				
		Add labour cess @ 1% i.e. on Rs. 20009.14				200.09				
		Material for 1 Each				20209.23	20209.23			20209.23
II		Labour								
		Taking output 1 Each								
(i)		Mazdoor(semi skilled) for making hole with digger	Day	10.00	149.97	1499.70				
(ii)		Wireman (1st Class)	Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)	Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)	Day	1/5	190.00	38.00				
		Total - II				1603.58				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.1603.58				16.04				
		Add contractor's profit @ 21.5% i.e. on Rs. 1619.62				348.22				
		Add labour cess @ 1% i.e. on Rs. 1967.84				19.68				
		Labour for 1 Each				1987.52				
		Labour for 1 Each				1987.52	1987.52	1987.52		
		Cost for 1 Each					22196.75			
		Add 10% for sub mountainous region								198.75
		Labour for 1 Each								2186.27
		Cost for 1 Each								22395.50

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11

(vii)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 25 mm x 5 mm thick electrolytic copper tape rivetted (with 10 nos. copper rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) buried 10 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 13 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.										
		Unit :-	1	Each								
I		Materials										
(i)		Tinned Copper plate 30cm x 120cm x 3mm thick (7.920 kg. per metre)		Kg.	9.504	626.40	5953.31					
(ii)		Copper rivet 6mm		Each	10.00	10.55	105.50					
(iii)		Electrolytic copper tape 25mm x 5mm (1.110 kg. per metre)		Kg.	14.430	501.13	7231.31					
(iv)		Salt		Kg.	10.00	7.00	70.00					
(v)		Charcoal		Kg.	10.00	16.00	160.00					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(vi)		Galvanized iron pipe 20mm dia. (A class)	Metre	10.00	93.37	933.70				
(vii)		G.I. reducer 50mm x 20mm	Each	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)	Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)	Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm	Each	1.00	263.75	263.75				
		Total - I				15132.95				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.15132.95				151.33				
		Add contractor's profit @ 10% i.e. on Rs. 15284.28				1528.43				
		Add labour cess @ 1% i.e. on Rs. 16812.71				168.13				
		Material for 1 Each				16980.84	16980.84			16980.84
II		Labour								
		Taking output 1 Each								
(i)		Mazdoor(semi skilled) for making hole with digger	Day	5.00	149.97	749.85				
(ii)		Wireman (1st Class)	Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)	Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)	Day	1/5	190.00	38.00				
		Total - II				853.73				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.853.73				8.54				
		Add contractor's profit @ 21.5% i.e. on Rs. 862.27				185.39				
		Add labour cess @ 1% i.e. on Rs. 1047.66				10.48				
		Labour for 1 Each				1058.14				
		Labour for 1 Each				1058.14	1058.14	1058.14		
		Cost for 1 Each					18038.98			
		Add 10% for sub mountainous region								105.81
		Labour for 1 Each								1163.95
		Cost for 1 Each								18144.79

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11

(viii)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 25 mm x 5 mm thick electrolytic copper tape rivetted (with 10 nos. copper rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) buried 20 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 23 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.									
		Unit :-	1	Each							
I		Materials									
(i)		Tinned Copper plate 30cm x 120cm x 3mm thick (7.920 kg. per metre)									
				Kg.	9.504	626.40	5953.31				
(ii)		Copper rivet 6mm		Each	10.00	10.55	105.50				
(iii)		Electrolytic copper tape 25mm x 5mm (1.110 kg. per metre)		Kg.	25.530	501.13	12793.85				
(iv)		Salt		Kg.	10.00	7.00	70.00				
(v)		Charcoal		Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)		Metre	20.00	93.37	1867.40				
(vii)		G.I. reducer 50mm x 20mm		Metre	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)		Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)		Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm		Each	1.00	263.75	263.75				
		Total - I					21629.19				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.21629.19					216.29				
		Add contractor's profit @ 10% i.e. on Rs. 21845.48					2184.55				
		Add labour cess @ 1% i.e. on Rs. 24030.03					240.30				
		Material for	1	Each			24270.33	24270.33			24270.33

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
II		Labour								
		Taking output	1	Each						
(i)		Mazdoor(semi skilled) for making hole with digger	Day	10.00	149.97	1499.70				
(ii)		Wireman (1st Class)	Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)	Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)	Day	1/5	190.00	38.00				
		Total - II				1603.58				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.1603.58				16.04				
		Add contractor's profit @ 21.5% i.e. on Rs. 1619.62				348.22				
		Add labour cess @ 1% i.e. on Rs. 1967.84				19.68				
		Labour for	1	Each		1987.52				
		Labour for	1	Each		1987.52	1987.52	1987.52		
		Cost for	1	Each			26257.85			
		Add 10% for sub mountainous region								198.75
		Labour for	1	Each						2186.27
		Cost for	1	Each						26456.60

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(ix)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 40 mm x 5 mm thick electrolytic copper tape rivetted (with 10 nos. copper rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) buried 10 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 13 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.								
		Unit :-	1	Each						
I		Materials								
(i)		Tinned Copper plate 30cm x 120cm x 3mm thick (7.920 kg. per metre)								
			Kg.	9.504	626.40	5953.31				
(ii)		Copper rivet 6mm								
			Each	10.00	10.55	105.50				
(iii)		Electrolytic copper tape 40mm x 5mm (1.770 kg. per metre)								
			Kg.	20.010	501.13	10027.61				
(iv)		Salt								
			Kg.	10.00	7.00	70.00				
(v)		Charcoal								
			Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)								
			Metre	10.00	93.37	933.70				
(vii)		G.I. reducer 50mm x 20mm								
			Metre	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)								
			Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)								
			Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm								
			Each	1.00	263.75	263.75				
		Total - I				17929.25				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.17929.25				179.29				
		Add contractor's profit @ 10% i.e. on Rs. 18108.54				1810.85				
		Add labour cess @ 1% i.e. on Rs. 19919.39				199.19				
		Material for	1	Each		20118.58	20118.58			20118.58
II		Labour								
		Taking output	1	Each						
(i)		Mazdoor(semi skilled) for making hole with digger								
			Day	5.00	149.97	749.85				
(ii)		Wireman (1st Class)								
			Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)								
			Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)								
			Day	1/5	190.00	38.00				
		Total - II				853.73				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.853.73				8.54				
		Add contractor's profit @ 21.5% i.e. on Rs. 862.27				185.39				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add labour cess @ 1% i.e. on Rs. 1047.66				10.48				
		Labour for 1 Each				1058.14				
		Labour for 1 Each				1058.14	1058.14	1058.14		
		Cost for 1 Each					21176.72			
		Add 10% for sub mountainous region								105.81
		Labour for 1 Each								1163.95
		Cost for 1 Each								21282.53

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(x)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 40 mm x 5 mm thick electrolytic copper tape rivetted (with 10 nos. copper rivets) to 30 cm x 120 cm x 3 mm thick tinned copper plate (made cylindrical) buried 20 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper tape on wall and in floor etc., up to 23 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.								
		Unit :-	1	Each						
I		Materials								
(i)		Tinned Copper plate 30cm x 120cm x 3mm thick (7.920 kg. per metre)								
			Kg.	9.504	626.40	5953.31				
(ii)		Copper rivet 6mm								
			Each	10.00	10.55	105.50				
(iii)		Electrolytic copper tape 40mm x 5mm (1.770 kg. per metre)								
			Kg.	40.710	501.13	20401.00				
(iv)		Salt								
			Kg.	10.00	7.00	70.00				
(v)		Charcoal								
			Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)								
			Metre	20.00	93.37	1867.40				
(vii)		G.I. reducer 50mm x 20mm								
			Metre	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)								
			Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)								
			Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm								
			Each	1.00	263.75	263.75				
		Total - I				29236.34				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.29236.34				292.36				
		Add contractor's profit @ 10% i.e. on Rs. 29528.7				2952.87				
		Add labour cess @ 1% i.e. on Rs. 32481.57				324.82				
		Material for	1	Each		32806.39	32806.39			32806.39
II		Labour								
		Taking output	1	Each						
(i)		Mazdoor(semi skilled) for making hole with digger								
			Day	10.00	149.97	1499.70				
(ii)		Wireman (1st Class)								
			Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)								
			Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)								
			Day	1/5	190.00	38.00				
		Total - II				1603.58				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.1603.58				16.04				
		Add contractor's profit @ 21.5% i.e. on Rs. 1619.62				348.22				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add labour cess @ 1% i.e. on Rs. 1967.84				19.68				
		Labour for 1 Each				1987.52				
		Labour for 1 Each				1987.52	1987.52		1987.52	
		Cost for 1 Each					34793.91			
		Add 10% for sub mountainous region								198.75
		Labour for 1 Each								2186.27
		Cost for 1 Each								34992.66

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(xi)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 8 SWG (4mm dia.) electrolytic copper wire thimble (with 1 nos. copper thimble) to 30 cm x 60 cm x 3 mm thick tinned copper plate (made cylindrical) buried 10 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper wire run through 20mm dia. G.I. pipe (A-Class) on wall and in floor etc., up to 13 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.								
		Unit :-	1	Each						
I		Materials								
(i)		Tinned Copper plate 30cm x 60cm x 3mm thick (4.752 kg. per metre)								
			Kg.	4.752	626.40	2976.65				
(ii)		Copper thimble Size 6sq. mm								
			Each	2.00	9.30	18.60				
(iii)		Electrolytic copper wire 8 SWG (4 mm dia.) (0.1155 kg. per metre)								
			Kg.	1.536	501.13	769.74				
(iv)		Salt								
			Kg.	10.00	7.00	70.00				
(v)		Charcoal								
			Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)								
			Metre	13.00	93.37	1213.81				
(vii)		G.I. reducer 50mm x 20mm								
			Each	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)								
			Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)								
			Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm								
			Each	1.00	263.75	263.75				
		Total - I				5887.93				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.5887.93				58.88				
		Add contractor's profit @ 10% i.e. on Rs. 5946.81				594.68				
		Add labour cess @ 1% i.e. on Rs. 6541.49				65.41				
		Material for	1	Each		6606.90	6606.90			6606.90
II		Labour								
		Taking output	1	Each						
(i)		Mazdoor(semi skilled) for making hole with digger								
			Day	5.00	149.97	749.85				
(ii)		Wireman (1st Class)								
			Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)								
			Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)								
			Day	1/5	190.00	38.00				
		Total - II				853.73				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.853.73				8.54				

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Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(xii)		Earthing of Sheet metal/ iron clad switches and metallic cases etc., with 8 SWG (4mm dia.) electrolytic copper wire thimble (with 1 nos. copper thimble) to 30 cm x 60 cm x 3 mm thick tinned copper plate (made cylindrical) buried 20 metre below ground level in the hole of excavation having bore dia. 125mm and surrounded by salt & charcoal dust mixture (20 kg.) including fixing the copper wire run through 20mm dia. G.I. pipe (A-Class) on wall and in floor etc., up to 23 metre in length (including bore length). G.I. pipe 20mm dia. (A-class) should be laid in the hole of excavation from bore surface level to 1 feet below ground level and having wire mesh funnel fixed on the top level of the pipe. 300mm x 300mm x 300mm deep haudi of bricks finished with 1:4 cement plaster and haudi covered with cast iron lid having size 300mm x 300mm around the hole of excavation.								
		Unit :-	1	Each						
I		Materials								
(i)		Tinned Copper plate 30cm x 60cm x 3mm thick (4.752 kg. per metre)								
			Kg.	4.752	626.40	2976.65				
(ii)		Copper thimble Size 6sq. mm								
			Each	2.00	9.30	18.60				
(iii)		Electrolytic copper wire 8 SWG (4 mm dia.) (0.1155 kg. per metre)								
			Kg.	2.691	501.13	1348.54				
(iv)		Salt								
			Kg.	10.00	7.00	70.00				
(v)		Charcoal								
			Kg.	10.00	16.00	160.00				
(vi)		Galvanized iron pipe 20mm dia. (A class)								
			Metre	20.00	93.37	1867.40				
(vii)		G.I. reducer 50mm x 20mm								
			Each	1.00	102.86	102.86				
(viii)		First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth (CSR Item No. 11.1 Rs.2357.78-355.80)								
			Cum.	0.14	2001.98	280.28				
(ix)		6mm thick cement plaster 1:4 (CSR Item No. 15.3 Rs.55.59)								
			Sq. m	0.58	55.59	32.24				
(x)		CI cover 300mm x 300mm								
			Each	1.00	263.75	263.75				
		Total - I				7120.32				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.7120.32				71.20				
		Add contractor's profit @ 10% i.e. on Rs. 7191.52				719.15				
		Add labour cess @ 1% i.e. on Rs. 7910.67				79.11				
		Material for	1	Each		7989.78	7989.78			7989.78
II		Labour								
		Taking output	1	Each						
(i)		Mazdoor(semi skilled) for making hole with digger								
			Day	5.00	149.97	749.85				
(ii)		Wireman (1st Class)								
			Day	1/5	164.69	32.94				
(iii)		Mazdoor (Skilled)								
			Day	1/5	164.69	32.94				
(iv)		Brick layer (2nd Class)								
			Day	1/5	190.00	38.00				
		Total - II				853.73				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.853.73				8.54				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.5% i.e. on Rs. 862.27				185.39				
		Add labour cess @ 1% i.e. on Rs. 1047.66				10.48				
		Labour for 1 Each				1058.14				
		Labour for 1 Each				1058.14	1058.14	1058.14		
		Cost for 1 Each					9047.92			
		Add 10% for sub mountainous region								105.81
		Labour for 1 Each								1163.95
		Cost for 1 Each								9153.73

(xiii)		Supply and Erection of 20mm x 3mm thick copper tape (As additional length).										
		Unit :-	1	Each								
I		Materials										
(iii)		Electrolytic copper tape 20mm x 3mm (0.529 kg. per metre)			Kg.	0.529	501.13	265.10				
(iv)		Copper staple			Each	1.00	3.00	3.00				
(v)		PVC gutties			Each	2.00	0.40	0.80				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(vi)		Brass Screw 25mm long	Metre	2.00	1.25	2.50				
(vii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Cum.	0.003	54.00	0.16				
		Total - I				271.56				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.271.56				2.72				
		Add contractor's profit @ 10% i.e. on Rs. 274.28				27.43				
		Add labour cess @ 1% i.e. on Rs. 301.71				3.02				
		Material for	1	Each		304.73	304.73			304.73
II		Labour								
		Taking output	1	Each						
(ii)		Wireman (1st Class)	Day	1/25	164.69	6.59				
(iii)		Mazdoor (Skilled)	Day	7/100	164.69	11.53				
		Total - II				18.12				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.18.12				0.18				
		Add contractor's profit @ 21.5% i.e. on Rs. 18.3				3.93				
		Add labour cess @ 1% i.e. on Rs. 22.23				0.22				
		Labour for	1	Each		22.45				
		Labour for	1	Each		22.45	22.45		22.45	
		Cost for	1	Each			327.18			
		Add 10% for sub mountainous region								2.25
		Labour for	1	Each						24.70
		Cost for	1	Each						329.43

(xiv)		Supply and Erection of 25mm x 3mm thick copper tape (As additional length).										
		Unit :-	1	Each								
I		Materials										
(iii)		Electrolytic copper tape 25mm x 3mm (0.663 kg. per metre)	Kg.	0.663	501.13	332.25						
(iv)		Copper staple	Each	1.00	3.00	3.00						
(v)		PVC gutties	Each	2.00	0.40	0.80						
(vi)		Brass Screw 25mm long	Metre	2.00	1.25	2.50						
(vii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Cum.	0.003	54.00	0.16						

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Total - I				338.71				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.338.71				3.39				
		Add contractor's profit @ 10% i.e. on Rs. 342.1				34.21				
		Add labour cess @ 1% i.e. on Rs. 376.31				3.76				
		Material for	1	Each		380.07	380.07			380.07
II		Labour								
		Taking output	1	Each						
(ii)		Wireman (1st Class)	Day	1/25	164.69	6.59				
(iii)		Mazdoor (Skilled)	Day	7/100	164.69	11.53				
		Total - II				18.12				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.18.12				0.18				
		Add contractor's profit @ 21.5% i.e. on Rs. 18.3				3.93				
		Add labour cess @ 1% i.e. on Rs. 22.23				0.22				
		Labour for	1	Each		22.45				
		Labour for	1	Each		22.45	22.45	22.45		
		Cost for	1	Each			402.52			
		Add 10% for sub mountainous region								2.25
		Labour for	1	Each						24.70
		Cost for	1	Each						404.77

(xv)		Supply and Erection of 30mm x 3mm thick copper tape (As additional length).										
		Unit :-	1	Each								
I		Materials										
(iii)		Electrolytic copper tape 30mm x 3mm (0.796 kg. per metre)		Kg.	0.796	501.13	398.90					
(iv)		Copper staple		Each	1.00	3.00	3.00					
(v)		PVC gutties		Each	2.00	0.40	0.80					
(vi)		Brass Screw 25mm long		Metre	2.00	1.25	2.50					
(vii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)		Cum.	0.003	54.00	0.16					
		Total - I					405.36					
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.405.36					4.05					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add contractor's profit @ 10% i.e. on Rs. 409.41				40.94				
		Add labour cess @ 1% i.e. on Rs. 450.35				4.50				
		Material for	1	Each		454.85	454.85			454.85
II		Labour								
		Taking output	1	Each						
(ii)		Wireman (1st Class)	Day	1/25	164.69	6.59				
(iii)		Mazdoor (Skilled)	Day	7/100	164.69	11.53				
		Total - II				18.12				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.18.12				0.18				
		Add contractor's profit @ 21.5% i.e. on Rs. 18.3				3.93				
		Add labour cess @ 1% i.e. on Rs. 22.23				0.22				
		Labour for	1	Each		22.45				
		Labour for	1	Each		22.45	22.45	22.45		
		Cost for	1	Each			477.30			
		Add 10% for sub mountainous region								2.25
		Labour for	1	Each						24.70
		Cost for	1	Each						479.55

(xvi)		Supply and Erection of 25mm x 5mm thick copper tape (As additional length).										
		Unit :-	1	Each								
I		Materials										
(iii)		Electrolytic copper tape 25mm x 5mm (1.110 kg. per metre)		Kg.	1.110	501.13	556.25					
(iv)		Copper staple		Each	1.00	3.00	3.00					
(v)		PVC gutties		Each	2.00	0.40	0.80					
(vi)		Brass Screw 25mm long		Metre	2.00	1.25	2.50					
(vii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)		Cum.	0.003	54.00	0.16					
		Total - I					562.71					
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.562.71					5.63					
		Add contractor's profit @ 10% i.e. on Rs. 568.34					56.83					
		Add labour cess @ 1% i.e. on Rs. 625.17					6.25					
		Material for	1	Each			631.42	631.42			631.42	

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
II		Labour								
		Taking output	1	Each						
(ii)		Wireman (1st Class)	Day	1/25	164.69	6.59				
(iii)		Mazdoor (Skilled)	Day	7/100	164.69	11.53				
		Total - II				18.12				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.18.12				0.18				
		Add contractor's profit @ 21.5% i.e. on Rs. 18.3				3.93				
		Add labour cess @ 1% i.e. on Rs. 22.23				0.22				
		Labour for	1	Each		22.45				
		Labour for	1	Each		22.45	22.45		22.45	
		Cost for	1	Each			653.87			
		Add 10% for sub mountainous region								2.25
		Labour for	1	Each						24.70
		Cost for	1	Each						656.12

(xvii)		Supply and Erection of 25mm x 5mm thick copper tape (As additional length).										
		Unit :-	1	Each								
I		Materials										
(iii)		Electrolytic copper tape 25mm x 5mm (1.110 kg. per metre)		Kg.	1.110	501.13	556.25					
(iv)		Copper staple		Each	1.00	3.00	3.00					
(v)		PVC gutties		Each	2.00	0.40	0.80					
(vi)		Brass Screw 25mm long		Metre	2.00	1.25	2.50					
(vii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)		Cum.	0.003	54.00	0.16					
		Total - I					562.71					
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.562.71					5.63					
		Add contractor's profit @ 10% i.e. on Rs. 568.34					56.83					
		Add labour cess @ 1% i.e. on Rs. 625.17					6.25					
		Material for	1	Each			631.42	631.42			631.42	
II		Labour										
		Taking output	1	Each								
(ii)		Wireman (1st Class)	Day	1/25	164.69	6.59						

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(iii)		Mazdoor (Skilled)	Day	7/100	164.69	11.53				
		Total - II				18.12				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.18.12				0.18				
		Add contractor's profit @ 21.5% i.e. on Rs. 18.3				3.93				
		Add labour cess @ 1% i.e. on Rs. 22.23				0.22				
		Labour for	1	Each		22.45				
		Labour for	1	Each		22.45	22.45		22.45	
		Cost for	1	Each			653.87			
		Add 10% for sub mountainous region								2.25
		Labour for	1	Each						24.70
		Cost for	1	Each						656.12

(xviii)		Supply and Erection of 40mm x 5mm thick copper tape (As additional length).										
		Unit :-	1	Each								
I		Materials										
(iii)		Electrolytic copper tape 40mm x 5mm (1.770 kg. per metre)			Kg.	1.770	501.13	887.00				
(iv)		Copper staple			Each	1.00	3.00	3.00				
(v)		PVC gutties			Each	2.00	0.40	0.80				
(vi)		Brass Screw 25mm long			Metre	2.00	1.25	2.50				
(vii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)			Cum.	0.003	54.00	0.16				
		Total - I						893.46				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.893.46						8.93				
		Add contractor's profit @ 10% i.e. on Rs. 902.39						90.24				
		Add labour cess @ 1% i.e. on Rs. 992.63						9.93				
		Material for	1	Each				1002.56	1002.56			1002.56
II		Labour										
		Taking output	1	Each								
(ii)		Wireman (1st Class)			Day	1/25	164.69	6.59				
(iii)		Mazdoor (Skilled)			Day	7/100	164.69	11.53				
		Total - II						18.12				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.18.12				0.18				
		Add contractor's profit @ 21.5% i.e. on Rs. 18.3				3.93				
		Add labour cess @ 1% i.e. on Rs. 22.23				0.22				
		Labour for 1 Each				22.45				
		Labour for 1 Each				22.45	22.45		22.45	
		Cost for 1 Each					1025.01			
		Add 10% for sub mountainous region								2.25
		Labour for 1 Each								24.70
		Cost for 1 Each								1027.26

(xix)		Supply and Erection of 8 SWG 4mm dia copper wire run through 20mm dia. GI pipe (A-Class) (As additional length).										
		Unit :-	1	Each								
I		Materials										
(iii)		Electrolytic copper wire 8 SWG (4 mm dia.) (0.1155 kg. per metre)			Kg.	0.116	501.13	57.88				
(v)		Galvanized iron pipe 20mm dia. (A class)			Metre	1.00	93.37	93.37				
(vii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)			Cum.	0.003	54.00	0.16				
		Total - I						151.41				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.151.41						1.51				
		Add contractor's profit @ 10% i.e. on Rs. 152.92						15.29				
		Add labour cess @ 1% i.e. on Rs. 168.21						1.68				
		Material for 1 Each						169.89	169.89			169.89
II		Labour										
		Taking output	1	Each								
(ii)		Wireman (1st Class)			Day	1/25	164.69	6.59				
(iii)		Mazdoor (Skilled)			Day	7/100	164.69	11.53				
		Total - II						18.12				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.18.12						0.18				
		Add contractor's profit @ 21.5% i.e. on Rs. 18.3						3.93				
		Add labour cess @ 1% i.e. on Rs. 22.23						0.22				
		Labour for 1 Each						22.45				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
			Labour for	1	Each			22.45	22.45		22.45	
			Cost for	1	Each				192.34			
		Add 10% for sub mountainous region										2.25
			Labour for	1	Each							24.70
			Cost for	1	Each							194.59

(xx)		Supply and Erection of 8 SWG 4mm dia copper wire run through 20mm dia. Heavy guage welded conduit pipe (As additional length).										
			Unit :-	1	Each							
I		Materials										
(iii)		Electrolytic copper wire 8 SWG (4 mm dia.) (0.1155 kg. per metre)				Kg.	0.116	501.13	57.88			
(v)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)				Metre	1.00	50.64	50.64			
(vii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)				Cum.	0.003	54.00	0.16			
		Total - I							108.68			
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.108.68							1.09			
		Add contractor's profit @ 10% i.e. on Rs. 109.77							10.98			
		Add labour cess @ 1% i.e. on Rs. 120.75							1.21			
			Material for	1	Each			121.96	121.96			121.96
II		Labour										
		Taking output			1	Each						
(ii)		Wireman (1st Class)				Day	1/25	164.69	6.59			
(iii)		Mazdoor (Skilled)				Day	7/100	164.69	11.53			
		Total - II							18.12			
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.18.12							0.18			
		Add contractor's profit @ 21.5% i.e. on Rs. 18.3							3.93			
		Add labour cess @ 1% i.e. on Rs. 22.23							0.22			
			Labour for	1	Each			22.45	22.45		22.45	
			Labour for	1	Each			22.45	22.45		22.45	

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
			Cost for	1	Each				144.41			
		Add 10% for sub mountainous region										2.25
			Labour for	1	Each							24.70
			Cost for	1	Each							146.66