

Chapter No. 33.04

SURFACE CONDUIT PIPE WIRING SYSTEM WITH MODULAR SWITCHES:

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
33.04		Wiring in PVC insulated copper conductor single core FRLS cable (ISI marked), 1100volts grade to be laid in heavy gauge welded conduit pipe 20 mm/25 mm dia (1.6mm thick) ISI Marked installed on surface etc., complete with uPVC boxes (on surface) required for suitable number of modules, for having electronic fan regulators (two module), bell push, electronic buzzer, 3pin 6Amp., 3pin 16/20 Amp. Sockets and 6 Amp./16/20Amp. Switches etc., and covered with Frame Plate etc., & including the cost of required number of modular switches/sockets, step type electronic fan regulator 100 watts, PVC connector (For Fan Box and Electronic Buzzer), PVC Bush, Steel Hooks, Circular Inspection Box (Surface Type) conduit pipe & copper wire and other petty material etc. including the cost of painting as required.								
(i)		Wiring fan point without fan box in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade with step type electronic fan regulator 100watts (two module).								
		Unit :-	1	Each						
I		Materials								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)								
			Metre	5.00	50.64	253.20				
(ii)		PVC bush 20mm dia.								
			Each	4.00	0.52	2.08				
(iii)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq.mm, 1100volts grade								
			Metre	12.50	9.64	120.50				
(iv)		MS Saddle Clamp 20mm dia.								
			Each	5.00	2.00	10.00				
(v)		PVC gutties								
			Each	12.00	0.40	4.80				
(vi)		Iron Screw 38mm long								
			Each	12.00	0.80	9.60				
(vii)		Heavy gauge welded conduit bend 20mm dia.								
			Each	1.00	9.00	9.00				
(viii)		Check nut 20mm dia.								
			Each	2.00	0.82	1.64				
(ix)		Cast iron circular inspection box 20mm dia. (1½" deep surface type)								
			Each	1.00	19.91	19.91				
(x)		Plastic surface boxes for modular switches three modules(Single space for 6amp. switch and double space for fan regulator)								
			Each	1.00	35.98	35.98				
(xi)		Modular cover frame three module								
			Each	1.00	45.67	45.67				
(xii)		6amp. one way modular switch (one module)								
			Each	1.00	56.93	56.93				

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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
(ii)		Wiring light point in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade.								
		Unit :- 1 Each								
I		Materials								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)	Metre	5.00	50.64	253.20				
(ii)		PVC bush 20mm dia.	Each	4.00	0.52	2.08				
(iii)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq.mm, 1100volts grade	Metre	12.50	9.64	120.50				
(iv)		MS Saddle Clamp 20mm dia.	Each	5.00	2.00	10.00				
(v)		PVC gutties	Each	12.00	0.40	4.80				
(vi)		Iron Screw 38mm long	Each	12.00	0.80	9.60				
(vii)		Heavy gauge welded conduit bend 20mm dia.	Each	1.00	9.00	9.00				
(viii)		Check nut 20mm dia.	Each	2.00	0.82	1.64				
(ix)		Cast iron circular inspection box 20mm dia. (1½" deep surface type)	Each	1.00	19.91	19.91				
(x)		Plastic surface boxes for modular switches one/ two modules	Each	1.00	29.01	29.01				
(xi)		Modular cover frame one or two module	Each	1.00	34.41	34.41				
(xii)		6amp. one way modular switch (one module)	Each	1.00	56.93	56.93				
		Total - I				551.08				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.551.08				5.51				
		Add contractor's profit @ 10% i.e. on Rs. 556.59				55.66				
		Add labour cess @ 1% i.e. on Rs. 612.25				6.12				
						618.37	618.37			618.37
II		Labour								
		Taking output 1 Each								
(i)		Wireman (1st Class)	Day	1/6	164.69	27.50				
(ii)		Mazdoor (Skilled)	Day	1/6	164.69	27.50				
		Total - II				55.00				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.55				0.55				
		Add contractor's profit @ 21.5% i.e. on Rs. 55.55				11.94				
		Add labour cess @ 1% i.e. on Rs. 67.49				0.67				
		Labour for 1 Each				68.16				
		Labour for 1 Each				68.16	68.16	68.16		
		Cost for 1 Each					686.53			
		Add 10% for sub mountainous region								6.82
		Labour for 1 Each								74.98

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								693.35
(iii)		Wiring call-bell point in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade with bell push and electronic buzzer 230 volts AC (including the cost of bell push, electronic buzzer and plastic surface box for electronic buzzer).								
		Unit :- 1 Each								
I		Materials								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)	Metre	5.00	50.64	253.20				
(ii)		PVC bush 20mm dia.	Each	4.00	0.52	2.08				
(iii)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq.mm, 1100volts grade	Metre	12.50	9.64	120.50				
(iv)		MS Saddle Clamp 20mm dia.	Each	5.00	2.00	10.00				
(v)		PVC gutties	Each	14.00	0.40	5.60				
(vi)		Iron Screw 38mm long	Each	14.00	0.80	11.20				
(vii)		Heavy gauge welded conduit bend 20mm dia.	Each	1.00	9.00	9.00				
(viii)		Check nut 20mm dia.	Each	2.00	0.82	1.64				
(ix)		Cast iron circular inspection box 20mm dia. (1½" deep surface type)	Each	1.00	19.91	19.91				
(x)		Plastic surface boxes for modular switches one/ two modules(one box for bell push and one box for electronic buzzer)	Each	2.00	29.01	58.02				
(xi)		Modular cover frame one or two module	Each	1.00	34.41	34.41				
(xii)		6amp. one way modular bell push (one module)	Each	1.00	68.19	68.19				
(xiii)		Brown bakelite white glazed backside painted sheet 3mm thick	Sq. inch	16.00	0.25	4.00				
(xiv)		Electronic buzzer 230 volts AC	Each	1.00	33.44	33.44				
		Total - I				631.19				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.631.19				6.31				
		Add contractor's profit @ 10% i.e. on Rs. 637.5				63.75				
		Add labour cess @ 1% i.e. on Rs. 701.25				7.01				
						708.26	708.26			708.26
II		Labour								
		Taking output 1 Each								
(i)		Wireman (1st Class)	Day	1/8	164.69	20.59				
(ii)		Mazdoor (Skilled)	Day	1/8	164.69	20.59				
		Total - II				41.18				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.41.18				0.41				
		Add contractor's profit @ 21.5% i.e. on Rs. 41.59				8.94				
		Add labour cess @ 1% i.e. on Rs. 50.53				0.51				

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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
(iv)		Wiring 3 pin 6 Amp. wall socket (Shuttered) point in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete with bonding to existing earth with PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1 sq. mm, 1100volts grade.								
		Unit :-	1	Each						
I		Materials								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)								
			Metre	2.50	50.64	126.60				
(ii)		PVC bush 20mm dia.								
			Each	4.00	0.52	2.08				
(iii)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq.mm, 1100volts grade								
			Metre	6.24	9.64	60.15				
(iv)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1 sq.mm, 1100volts grade								
			Metre	3.12	6.51	20.31				
(v)		MS Saddle Clamp 20mm dia.								
			Each	3.00	2.00	6.00				
(vi)		PVC gutties								
			Each	8.00	0.40	3.20				
(vii)		Iron Screw 38mm long								
			Each	8.00	0.80	6.40				
(viii)		Heavy gauge welded conduit bend 20mm dia.								
			Each	1.00	9.00	9.00				
(ix)		Check nut 20mm dia.								
			Each	2.00	0.82	1.64				
(x)		Cast iron circular inspection box 20mm dia. (1½" deep surface type)								
			Each	1.00	19.91	19.91				
(xi)		Plastic surface boxes for modular switches three modules (Single space for 6amp. switch and double space for 3pin 6amp. socket)								
			Each	1.00	35.98	35.98				
(xii)		Modular cover frame three module								
			Each	1.00	45.67	45.67				
(xiii)		6amp. one way modular switch (one module)								
			Each	1.00	56.93	56.93				
(xiv)		6amp. 3pin modular socket with shuttered (two module)								
			Each	1.00	87.59	87.59				
		Total - I				481.46				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.481.46				4.81				
		Add contractor's profit @ 10% i.e. on Rs. 486.27				48.63				
		Add labour cess @ 1% i.e. on Rs. 534.9				5.35				
						540.25	540.25			540.25
II		Labour								
		Taking output	1	Each						
(i)		Wireman (1st Class)								
			Day	1/10	164.69	16.47				
(ii)		Mazdoor (Skilled)								
			Day	1/10	164.69	16.47				
		Total - II				32.94				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.32.94				0.33				
		Add contractor's profit @ 21.5% i.e. on Rs. 33.27				7.15				
		Add labour cess @ 1% i.e. on Rs. 40.42				0.40				

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)		Wiring 3 Pin 6 Amp. Plug control comprising wall socket (shuttered) and switch including bonding to existing earth with PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1 sq. mm, 1100volts grade complete.								
		Unit :-	1	Each						
I		Materials								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)								
			Metre	0.45	50.64	22.79				
(ii)		PVC bush 20mm dia.								
			Each	2.00	0.52	1.04				
(iii)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq.mm, 1100volts grade								
			Metre	1.80	9.64	17.35				
(iv)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1 sq.mm, 1100volts grade								
			Metre	0.90	6.51	5.86				
(v)		PVC gutties								
			Each	2.00	0.40	0.80				
(vi)		Iron Screw 38mm long								
			Each	2.00	0.80	1.60				
(vii)		Plastic surface boxes for modular switches three modules (Single space for 6amp. switch and double space for 3pin 6amp. socket)								
			Each	1.00	35.98	35.98				
(viii)		Modular cover frame three module								
			Each	1.00	45.67	45.67				
(ix)		6amp. one way modular switch (one module)								
			Each	1.00	56.93	56.93				
(x)		6amp. 3pin modular socket with shuttered (two module)								
			Each	1.00	87.59	87.59				
		Total - I				275.61				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.275.61				2.76				
		Add contractor's profit @ 10% i.e. on Rs. 278.37				27.84				
		Add labour cess @ 1% i.e. on Rs. 306.21				3.06				
						309.27	309.27			309.27
II		Labour								
		Taking output	1	Each						
(i)		Wireman (1st Class)								
			Day	2/25	164.69	13.18				
(ii)		Mazdoor (Skilled)								
			Day	2/25	164.69	13.18				
		Total - II				26.36				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.26.36				0.26				
		Add contractor's profit @ 21.5% i.e. on Rs. 26.62				5.72				
		Add labour cess @ 1% i.e. on Rs. 32.34				0.32				
		Labour for	1	Each		32.66				
		Labour for	1	Each		32.66	32.66		32.66	
		Cost for	1	Each			341.93			
		Add 10% for sub mountainous region								3.27

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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
(vi)		Wiring 3 pin 16/20 amp. power plug control (shuttered) and switch.								
		Unit :- 1 Each								
I		Materials								
(i)		PVC bush 20mm dia.	Each	2.00	0.52	1.04				
(ii)		PVC gutties	Each	2.00	0.40	0.80				
(iii)		Iron Screw 38mm long	Each	2.00	0.80	1.60				
(iv)		Plastic surface boxes for modular switches three modules (Single space for 16amp. switch and double space for 3pin 16amp. socket)	Each	1.00	35.98	35.98				
(v)		Modular cover frame three module	Each	1.00	45.67	45.67				
(vi)		16/20amp. one way modular switch (one module)	Each	1.00	85.09	85.09				
(vii)		16/20amp. 3pin modular socket with shuttered (two module)	Each	1.00	127.63	127.63				
		Total - I				297.81				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.297.81				2.98				
		Add contractor's profit @ 10% i.e. on Rs. 300.79				30.08				
		Add labour cess @ 1% i.e. on Rs. 330.87				3.31				
						334.18	334.18			334.18
II		Labour								
		Taking output	1	Each						
(i)		Wireman (1st Class)	Day	1/10	164.69	16.47				
(ii)		Mazdoor (Skilled)	Day	2/25	164.69	13.18				
		Total - II				29.65				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.29.65				0.30				
		Add contractor's profit @ 21.5% i.e. on Rs. 29.95				6.44				
		Add labour cess @ 1% i.e. on Rs. 36.39				0.36				
		Labour for	1	Each		36.75				
		Labour for	1	Each		36.75	36.75		36.75	
		Cost for	1	Each			370.93			
		Add 10% for sub mountainous region								3.68
		Labour for	1	Each						40.43
		Cost for	1	Each						374.61

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)		Wiring light point in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete without control switch.								
		Unit :-	1	Each						
I		Materials								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)								
			Metre	2.50	50.64	126.60				
(ii)		PVC bush 20mm dia.								
			Each	2.00	0.52	1.04				
(iii)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq.mm, 1100volts grade								
			Metre	5.00	9.64	48.20				
(iv)		MS Saddle Clamp 20mm dia.								
			Each	3.00	2.00	6.00				
(v)		PVC gutties								
			Each	8.00	0.40	3.20				
(vi)		Iron Screw 38mm long								
			Each	8.00	0.80	6.40				
(vii)		Heavy gauge welded conduit bend 20mm dia.								
			Each	1/2	9.00	4.50				
(viii)		Cast iron circular inspection box 20mm dia. (1½" deep surface type)								
			Each	1.00	19.91	19.91				
		Total - I				215.85				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.215.85				2.16				
		Add contractor's profit @ 10% i.e. on Rs. 218.01				21.80				
		Add labour cess @ 1% i.e. on Rs. 239.81				2.40				
						242.21	242.21			242.21
II		Labour								
		Taking output	1	Each						
(i)		Wireman (1st Class)								
			Day	2/25	164.69	13.18				
(ii)		Mazdoor (Skilled)								
			Day	2/25	164.69	13.18				
		Total - II				26.36				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.26.36				0.26				
		Add contractor's profit @ 21.5% i.e. on Rs. 26.62				5.72				
		Add labour cess @ 1% i.e. on Rs. 32.34				0.32				
		Labour for	1	Each		32.66				
		Labour for	1	Each		32.66	32.66		32.66	
		Cost for	1	Each			274.87			
		Add 10% for sub mountainous region								3.27
		Labour for	1	Each						35.93
		Cost for	1	Each						278.14

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)		Wiring light point in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete with double control switches.								
		Unit :-	1	Each						
I		Materials								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)								
				Metre	7.00	50.64	354.48			
(ii)		PVC bush 20mm dia.			Each	4.00	0.52	2.08		
(iii)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq.mm, 1100volts grade			Metre	17.60	9.64	169.66		
(iv)		MS Saddle Clamp 20mm dia.			Each	7.00	2.00	14.00		
(v)		PVC gutties			Each	18.00	0.40	7.20		
(vi)		Iron Screw 38mm long			Each	18.00	0.80	14.40		
(vii)		Heavy gauge welded conduit bend 20mm dia.			Each	1.00	9.00	9.00		
(viii)		Check nut 20mm dia.			Each	2.00	0.82	1.64		
(ix)		Cast iron circular inspection box 20mm dia. (1½" deep surface type)			Each	1.00	19.91	19.91		
(x)		Plastic surface boxes for modular switches one/ two modules			Each	2.00	29.01	58.02		
(xi)		Modular cover frame one or two module			Each	2.00	34.41	68.82		
(xii)		6amp. two way modular switch (one module)			Each	2.00	68.82	137.64		
		Total - I					856.85			
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.856.85					8.57			
		Add contractor's profit @ 10% i.e. on Rs. 865.42					86.54			
		Add labour cess @ 1% i.e. on Rs. 951.96					9.52			
							961.48		961.48	
II		Labour								
		Taking output	1	Each						
(i)		Wireman (1st Class)			Day	1/6	164.69	27.50		
(ii)		Mazdoor (Skilled)			Day	1/6	164.69	27.50		
		Total - II					55.00			
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.55					0.55			
		Add contractor's profit @ 21.5% i.e. on Rs. 55.55					11.94			
		Add labour cess @ 1% i.e. on Rs. 67.49					0.67			
		Labour for	1	Each			68.16			
		Labour for	1	Each			68.16		68.16	
		Cost for	1	Each					1029.64	
		Add 10% for sub mountainous region								6.82
		Labour for	1	Each						74.98

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								1036.46

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