

### Chapter No. 33.08

## REPLACEMENT OF WIRES, COVER FRAMES, MODULAR SWITCHES, CONCEALED METAL BOX AND OTHER ACCESSORIES IN THE EXISTING RECESSED CONDUIT PIPE WIRING SYSTEM (WITH MODULAR TYPE ACCESSORIES):

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
33.08		Wiring in PVC insulated copper conductor single core FRLS cable (ISI marked), 1100volts grade to be laid in the existing heavy gauge welded conduit pipe 20 mm/25 mm dia (1.6mm thick) ISI Marked, recessed in wall etc., complete with powder coated/anodized concealed metal boxes 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 6Amp./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, & copper wire and other petty material etc. including the cost of repair of chases:-								
(i) a		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		<b>Materials</b>								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)	Metre	0.30	50.64	15.19				
(ii)		PVC bush 20mm dia.	Each	4.00	0.52	2.08				
(iii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Sq. m	0.04	54.00	2.16				
(iv)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq.mm, 1100volts grade	Metre	12.50	9.64	120.50				
(v)		Check nut 20mm dia.	Each	2.00	0.82	1.64				
(vi)		Powder coated concealed metal box with brass lugs three module(Single space for 6amp. switch and double space for fan regulator)	Each	1.00	36.93	36.93				
(vii)		Modular cover frame three module	Each	1.00	45.67	45.67				
(viii)		6amp. one way modular switch (one module)	Each	1.00	56.93	56.93				
(ix)		Step type modular electronic fan regulator 100watts (two module)	Each	1.00	299.05	299.05				



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
(i) b		Wiring fan point with sheet metal fan box (shape hexagonal & sheet thickness not less than 1.60 mm) 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		<b>Materials</b>								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)	Metre	0.30	50.64	15.19				
(ii)		PVC bush 20mm dia.	Each	4.00	0.52	2.08				
(iii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Sq. m	0.04	54.00	2.16				
(iv)		PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq.mm, 1100volts grade	Metre	12.50	9.64	120.50				
(v)		Check nut 20mm dia.	Each	2.00	0.82	1.64				
(vi)		PVC connector	Each	1.00	3.98	3.98				
(vii)		Brown bakelite white glazed backside painted sheet 3mm thick (including for sheet metal fan box)	Sq. Inch	50.00	0.25	12.50				
(viii)		Powder coated concealed metal box with brass lugs three module(Single space for 6amp. switch and double space for fan regulator)	Each	1.00	36.93	36.93				
(ix)		Modular cover frame three module	Each	1.00	45.67	45.67				
(x)		6amp. one way modular switch (one module)	Each	1.00	56.93	56.93				
(xi)		Step type modular electronic fan regulator 100watts (two module)	Each	1.00	299.05	299.05				
		Total - I				596.63				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.596.63				5.97				
		Add contractor's profit @ 10% i.e. on Rs. 602.6				60.26				
		Add labour cess @ 1% i.e. on Rs. 662.86				6.63				
						669.49	669.49			669.49
II		<b>Labour</b>								
		Taking output	1	Each						
(i)		Wireman (1st Class)	Day	1/9	164.69	18.28				
(ii)		Brick layer (2nd Class)	Day	1/20	190.00	9.50				
(ii'1)		Mazdoor (Skilled)	Day	1/9	164.69	18.28				
		Total - II				46.06				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.46.06				0.46				
		Add contractor's profit @ 21.5% i.e. on Rs. 46.52				10.00				
		Add labour cess @ 1% i.e. on Rs. 56.52				0.57				
		Labour for	1	Each		57.09				

[illegible]

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		<b>Materials</b>								
(i)		PVC bush 20mm dia.	Each	4.00	0.52	2.08				
(ii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Sq. m	0.04	54.00	2.16				
(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)		Check nut 20mm dia.	Each	2.00	0.82	1.64				
(v)		Powder coated concealed metal box with brass lugs one module or two module	Each	1.00	31.65	31.65				
(vi)		Modular cover frame one or two module	Each	1.00	34.41	34.41				
(vii)		6amp. one way modular switch (one module)	Each	1.00	56.93	56.93				
		Total - I				249.37				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.249.37				2.49				
		Add contractor's profit @ 10% i.e. on Rs. 251.86				25.19				
		Add labour cess @ 1% i.e. on Rs. 277.05				2.77				
						279.82	279.82			279.82
II		<b>Labour</b>								
		Taking output 1 Each								
(i)		Wireman (1st Class)	Day	1/12	164.69	13.67				
(ii)		Brick layer (2nd Class)	Day	1/20	190.00	9.50				
(iii)		Mazdoor (Skilled)	Day	1/12	164.69	13.67				
		Total - II				36.84				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.36.84				0.37				
		Add contractor's profit @ 21.5% i.e. on Rs. 37.21				8.00				
		Add labour cess @ 1% i.e. on Rs. 45.21				0.45				
		Labour for 1 Each				45.66				
		Labour for 1 Each				45.66	45.66	45.66		
		Cost for 1 Each					325.48			
		Add 10% for sub mountainous region								4.57
		Labour for 1 Each								50.23
		Cost for 1 Each								330.05

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
(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 & powder coated concealed metal box for electronic buzzer).								
		Unit :-	1	Each						
I		<b>Materials</b>								
(i)		PVC bush 20mm dia.	Each	4.00	0.52	2.08				
(ii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Sq. m	0.04	54.00	2.16				
(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)		Check nut 20mm dia.	Each	2.00	0.82	1.64				
(v)		Powder coated concealed metal box with brass lugs one module or two module(one box for bell push and one box for electronic buzzer)	Each	2.00	31.65	63.30				
(vi)		Modular cover frame one or two module	Each	1.00	34.41	34.41				
(vii)		6amp. one way modular bell push (one module)	Each	1.00	68.19	68.19				
(viii)		Brown bakelite white glazed backside painted sheet 3mm thick	Sq. inch	16.00	0.25	4.00				
(ix)		Electronic buzzer 230 volts AC	Each	1.00	33.44	33.44				
		Total - I				329.72				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.329.72				3.30				
		Add contractor's profit @ 10% i.e. on Rs. 333.02				33.30				
		Add labour cess @ 1% i.e. on Rs. 366.32				3.66				
						369.98	369.98			369.98
II		<b>Labour</b>								
		Taking output	1	Each						
(i)		Wireman (1st Class)	Day	1/12	164.69	13.67				
(ii)		Brick layer (2nd Class)	Day	1/20	190.00	9.50				
(iii)		Mazdoor (Skilled)	Day	1/12	164.69	13.67				
		Total - II				36.84				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.36.84				0.37				
		Add contractor's profit @ 21.5% i.e. on Rs. 37.21				8.00				
		Add labour cess @ 1% i.e. on Rs. 45.21				0.45				
		Labour for	1	Each		45.66				
		Labour for	1	Each		45.66	45.66		45.66	
		Cost for	1	Each			415.64			
		<b>Add 10% for sub mountainous region</b>								4.57
		Labour for	1	Each						50.23
		Cost for	1	Each						420.21

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						
<b>I</b>		<b>Materials</b>								
(i)		PVC bush 20mm dia.	Each	4.00	0.52	2.08				
(ii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Sq. m	0.04	54.00	2.16				
(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)		Check nut 20mm dia.	Each	2.00	0.82	1.64				
(vi)		Powder coated concealed metal box with brass lugs three module (Single space for 6amp. switch and double space for 3pin 6amp. socket)	Each	1.00	36.93	36.93				
(vii)		Modular cover frame three module	Each	1.00	45.67	45.67				
(viii)		6amp. one way modular switch (one module)	Each	1.00	56.93	56.93				
(ix)		6amp. 3pin modular socket with shuttered (two module)	Each	1.00	87.59	87.59				
		Total - I				313.46				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.313.46				3.13				
		Add contractor's profit @ 10% i.e. on Rs. 316.59				31.66				
		Add labour cess @ 1% i.e. on Rs. 348.25				3.48				
						351.73	351.73			351.73
<b>II</b>		<b>Labour</b>								
		Taking output	1	Each						
(i)		Wireman (1st Class)	Day	1/15	164.69	11.03				
(ii)		Brick layer (2nd Class)	Day	1/20	190.00	9.50				
(iii)		Mazdoor (Skilled)	Day	1/15	164.69	11.03				
		Total - II				31.56				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.31.56				0.32				
		Add contractor's profit @ 21.5% i.e. on Rs. 31.88				6.85				
		Add labour cess @ 1% i.e. on Rs. 38.73				0.39				
		Labour for	1	Each		39.12				
		Labour for	1	Each		39.12	39.12		39.12	
		Cost for	1	Each			390.85			
		Add 10% for sub mountainous region								3.91





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						
<b>I</b>		<b>Materials</b>								
(i)		PVC bush 20mm dia.	Each	2.00	0.52	1.04				
(ii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Sq. m	0.04	54.00	2.16				
(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)		Powder coated concealed metal box with brass lugs three module (Single space for 6amp. switch and double space for 3pin 6amp. socket)	Each	1.00	36.93	36.93				
(vi)		Modular cover frame three module	Each	1.00	45.67	45.67				
(vii)		6amp. one way modular switch (one module)	Each	1.00	56.93	56.93				
(viii)		6amp. 3pin modular socket with shuttered (two module)	Each	1.00	87.59	87.59				
		Total - I		0.04		253.53				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.253.53				2.54				
		Add contractor's profit @ 10% i.e. on Rs. 256.07				25.61				
		Add labour cess @ 1% i.e. on Rs. 281.68				2.82				
						284.50	284.50			284.50
<b>II</b>		<b>Labour</b>								
		Taking output	1	Each						
(i)		Wireman (1st Class)	Day	1/25	164.69	6.59				
(ii)		Brick layer (2nd Class)	Day	1/20	190.00	9.50				
(iii)		Mazdoor (Skilled)	Day	1/30	164.69	5.48				
		Total - II				21.57				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.21.57				0.22				
		Add contractor's profit @ 21.5% i.e. on Rs. 21.79				4.68				
		Add labour cess @ 1% i.e. on Rs. 26.47				0.26				
		Labour for	1	Each		26.73				
		Labour for	1	Each		26.73	26.73		26.73	
		Cost for	1	Each			311.23			
		Add 10% for sub mountainous region								2.67
		Labour for	1	Each						29.40
		Cost for	1	Each						313.90

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		<b>Materials</b>								
(i)		PVC bush 20mm dia.	Each	2.00	0.52	1.04				
(ii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Sq. m	0.04	54.00	2.16				
(iii)		Powder coated concealed metal box with brass lugs three module (Single space for 16amp. switch and double space for 3pin 16amp. socket)	Each	1.00	36.93	36.93				
(iv)		Modular cover frame three module	Each	1.00	45.67	45.67				
(v)		16/20amp. one way modular switch (one module)	Each	1.00	85.09	85.09				
(vi)		16/20amp. 3pin modular socket with shuttered (two module)	Each	1.00	127.63	127.63				
		Total - I				298.52				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.298.52				2.99				
		Add contractor's profit @ 10% i.e. on Rs. 301.51				30.15				
		Add labour cess @ 1% i.e. on Rs. 331.66				3.32				
						334.98	334.98			334.98
II		<b>Labour</b>								
		Taking output 1 Each								
(i)		Wireman (1st Class)	Day	1/25	164.69	6.59				
(ii)		Brick layer (2nd Class)	Day	1/20	190.00	9.50				
(iii)		Mazdoor (Skilled)	Day	1/25	164.69	6.59				
		Total - II				22.68				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.22.68				0.23				
		Add contractor's profit @ 21.5% i.e. on Rs. 22.91				4.93				
		Add labour cess @ 1% i.e. on Rs. 27.84				0.28				
		Labour for 1 Each				28.12				
		Labour for 1 Each				28.12	28.12		28.12	
		Cost for 1 Each					363.10			
		Add 10% for sub mountainous region								2.81
		Labour for 1 Each								30.93
		Cost for 1 Each								365.91

[illegible]

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						
<b>I</b>		<b>Materials</b>								
(i)		PVC bush 20mm dia.	Each	4.00	0.52	2.08				
(ii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Sq. m	0.08	54.00	4.32				
(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)		Check nut 20mm dia.	Each	2.00	0.82	1.64				
(v)		Powder coated concealed metal box with brass lugs one module or two module	Each	2.00	31.65	63.30				
(vi)		Modular cover frame one or two module	Each	2.00	34.41	68.82				
(vii)		6amp. two way modular switch (one module)	Each	2.00	68.82	137.64				
		Total - I				447.46				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.447.46				4.47				
		Add contractor's profit @ 10% i.e. on Rs. 451.93				45.19				
		Add labour cess @ 1% i.e. on Rs. 497.12				4.97				
						502.09	502.09			502.09
<b>II</b>		<b>Labour</b>								
		Taking output	1	Each						
(i)		Wireman (1st Class)	Day	1/9	164.69	18.28				
(ii)		Brick layer (2nd Class)	Day	1/10	190.00	19.00				
(iii)		Mazdoor (Skilled)	Day	1/9	164.69	18.28				
		Total - II				55.56				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.55.56				0.56				
		Add contractor's profit @ 21.5% i.e. on Rs. 56.12				12.07				
		Add labour cess @ 1% i.e. on Rs. 68.19				0.68				
		Labour for	1	Each		68.87				
		Labour for	1	Each		68.87	68.87		68.87	
		Cost for	1	Each			570.96			
		Add 10% for sub mountainous region								6.89
		Labour for	1	Each						75.76
		Cost for	1	Each						577.85