

**Chapter No. 33.18**  
**SHEET METAL IRON CLAD 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
33.18		Supply and erection of sheet metal iron clad switch on existing surface with G.I. bolts & nuts/ rag bolts and nuts etc., according to the size of holes in the body of the enclosure including connections with suitable size of thimbles and bonding to the existing earth as Per PWD General Specifications 2010.								
(i)		Sheet metal iron clad double pole switch 32amp. 415 volts								
		Unit :-	1	Each						
I		<b>Materials</b>								
(i)		Sheet metal iron clad double pole switch 32amp. 415 volts	Each	1.00	835.49	835.49				
(ii)		G.I. bolt & nut/rag bolt & nut etc. 32amp. to 200amp.	Each	4.00	8.00	32.00				
		Total - I				867.49				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.867.49				8.67				
		Add contractor's profit @ 10% i.e. on Rs. 876.16				87.62				
		Add labour cess @ 1% i.e. on Rs. 963.78				9.64				
						973.42	973.42			973.42
II		<b>Labour</b>								
		Taking output	1	Each						
(i)		Wireman (1st Class)	Day	1/4	164.69	41.17				
(ii)		Mazdoor (Skilled)	Day	1/4	164.69	41.17				
		Total - II				82.34				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.82.34				0.82				
		Add contractor's profit @ 21.5% i.e. on Rs. 83.16				17.88				
		Add labour cess @ 1% i.e. on Rs. 101.04				1.01				
		Labour for	1	Each		102.05				
		Labour for	1	Each		102.05	102.05		102.05	
		Cost for	1	Each			1075.47			
		<b>Add 10% for sub mountainous region</b>								10.21
		Labour for	1	Each						112.26
		Cost for	1	Each						1085.68

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)		Sheet metal iron clad double pole switch 63amp. 415 volts								
		Unit :- 1 Each								
<b>I</b>		<b>Materials</b>								
(i)		Sheet metal iron clad double pole switch 63amp. 415 volts	Each	1.00	1833.65	1833.65				
(ii)		G.I. bolt & nut/rag bolt & nut etc. 32amp. to 200amp.	Each	4.00	8.00	32.00				
		Total - I				1865.65				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.1865.65				18.66				
		Add contractor's profit @ 10% i.e. on Rs. 1884.31				188.43				
		Add labour cess @ 1% i.e. on Rs. 2072.74				20.73				
						2093.47	2093.47			2093.47
<b>II</b>		<b>Labour</b>								
		Taking output 1 Each								
(i)		Wireman (1st Class)	Day	1/4	164.69	41.17				
(ii)		Mazdoor (Skilled)	Day	1/4	164.69	41.17				
		Total - II				82.34				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.82.34				0.82				
		Add contractor's profit @ 21.5% i.e. on Rs. 83.16				17.88				
		Add labour cess @ 1% i.e. on Rs. 101.04				1.01				
		Labour for 1 Each				102.05				
		Labour for 1 Each				102.05	102.05		102.05	
		Cost for 1 Each					2195.52			
		Add 10% for sub mountainous region								10.21
		Labour for 1 Each								112.26
		Cost for 1 Each								2205.73

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
(iii)		<b>Sheet metal iron clad double pole switch 100amp. 415 volts</b>								
		Unit :-	1	Each						
I		<b>Materials</b>								
(i)		Sheet metal iron clad double pole switch 100amp. 415 volts		Each	1.00	3430.70	3430.70			
(ii)		G.I. bolt & nut/rag bolt & nut etc. 32amp. to 200amp.		Each	4.00	8.00	32.00			
		Total - I					3462.70			
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.3462.7					34.63			
		Add contractor's profit @ 10% i.e. on Rs. 3497.33					349.73			
		Add labour cess @ 1% i.e. on Rs. 3847.06					38.47			
							3885.53			
							<b>3885.53</b>			<b>3885.53</b>
II		<b>Labour</b>								
		Taking output	1	Each						
(i)		Wireman (1st Class)		Day	1/3	164.69	54.90			
(ii)		Mazdoor (Skilled)		Day	1/3	164.69	54.90			
		Total - II					109.80			
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.109.8					1.10			
		Add contractor's profit @ 21.5% i.e. on Rs. 110.9					23.84			
		Add labour cess @ 1% i.e. on Rs. 134.74					1.35			
		Labour for	1	Each			<b>136.09</b>			
		Labour for	1	Each			136.09		136.09	
		Cost for	1	Each			<b>4021.62</b>			
		<b>Add 10% for sub mountainous region</b>								13.61
		Labour for	1	Each						<b>149.70</b>
		Cost for	1	Each						<b>4035.23</b>

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)		Sheet metal iron clad double pole switch 200amp. 415 volts								
		Unit :-	1	Each						
I		<b>Materials</b>								
(i)		Sheet metal iron clad double pole switch 200amp. 415 volts	Each	1.00	5427.01	5427.01				
(ii)		G.I. bolt & nut/rag bolt & nut etc. 32amp. to 200amp.	Each	4.00	8.00	32.00				
		Total - I				5459.01				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.5459.01				54.59				
		Add contractor's profit @ 10% i.e. on Rs. 5513.6				551.36				
		Add labour cess @ 1% i.e. on Rs. 6064.96				60.65				
						6125.61	6125.61			6125.61
II		<b>Labour</b>								
		Taking output	1	Each						
(i)		Wireman (1st Class)	Day	1/3	164.69	54.90				
(ii)		Mazdoor (Skilled)	Day	1/3	164.69	54.90				
		Total - II				109.80				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.109.8				1.10				
		Add contractor's profit @ 21.5% i.e. on Rs. 110.9				23.84				
		Add labour cess @ 1% i.e. on Rs. 134.74				1.35				
		Labour for	1	Each		136.09				
		Labour for	1	Each		136.09	136.09		136.09	
		Cost for	1	Each			6261.70			
		<b>Add 10% for sub mountainous region</b>								13.61
		Labour for	1	Each						149.70
		Cost for	1	Each						6275.31

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)		Sheet metal iron clad triple pole switch with neutral link 32amp. 415 volts								
		Unit :-	1	Each						
I		<b>Materials</b>								
(i)		Sheet metal iron clad triple pole switch with neutral link 32amp. 415 volts	Each	1.00	1012.94	1012.94				
(ii)		G.I. bolt & nut/rag bolt & nut etc. 32amp. to 200amp.	Each	4.00	8.00	32.00				
		Total - I				1044.94				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.1044.94				10.45				
		Add contractor's profit @ 10% i.e. on Rs. 1055.39				105.54				
		Add labour cess @ 1% i.e. on Rs. 1160.93				11.61				
						1172.54	1172.54			1172.54
II		<b>Labour</b>								
		<b>Taking output</b>	1	Each						
(i)		Wireman (1st Class)	Day	1/3	164.69	54.35				
(ii)		Mazdoor (Skilled)	Day	1/3	164.69	54.35				
		Total - II				108.70				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.108.7				1.09				
		Add contractor's profit @ 21.5% i.e. on Rs. 109.79				23.60				
		Add labour cess @ 1% i.e. on Rs. 133.39				1.33				
		Labour for	1	Each		134.72				
		Labour for	1	Each		134.72	134.72		134.72	
		Cost for	1	Each			1307.26			
		<b>Add 10% for sub mountainous region</b>								13.47
		Labour for	1	Each						148.19
		Cost for	1	Each						1320.73

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
(vi)		Sheet metal iron clad triple pole switch with neutral link 63amp. 415 volts								
		Unit :-	1	Each						
I		<b>Materials</b>								
(i)		Sheet metal iron clad triple pole switch with neutral link 63amp. 415 volts	Each	1.00	2170.07	2170.07				
(ii)		G.I. bolt & nut/rag bolt & nut etc. 32amp. to 200amp.	Each	4.00	8.00	32.00				
		Total - I				2202.07				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.2202.07				22.02				
		Add contractor's profit @ 10% i.e. on Rs. 2224.09				222.41				
		Add labour cess @ 1% i.e. on Rs. 2446.5				24.47				
						2470.97	2470.97			2470.97
II		<b>Labour</b>								
		<b>Taking output</b>	1	Each						
(i)		Wireman (1st Class)	Day	1/3	164.69	54.35				
(ii)		Mazdoor (Skilled)	Day	1/3	164.69	54.35				
		Total - II				108.70				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.108.7				1.09				
		Add contractor's profit @ 21.5% i.e. on Rs. 109.79				23.60				
		Add labour cess @ 1% i.e. on Rs. 133.39				1.33				
		Labour for	1	Each		134.72				
		Labour for	1	Each		134.72	134.72		134.72	
		Cost for	1	Each			2605.69			
		<b>Add 10% for sub mountainous region</b>								13.47
		Labour for	1	Each						148.19
		Cost for	1	Each						2619.16

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
(vii)		Sheet metal iron clad triple pole switch with neutral link 100amp. 415 volts								
		Unit :-	1	Each						
I		<b>Materials</b>								
(i)		Sheet metal iron clad triple pole switch with neutral link 100amp. 415 volts	Each	1.00	4103.53	4103.53				
(ii)		G.I. bolt & nut/rag bolt & nut etc. 32amp. to 200amp.	Each	4.00	8.00	32.00				
		Total - I				4135.53				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.4135.53				41.36				
		Add contractor's profit @ 10% i.e. on Rs. 4176.89				417.69				
		Add labour cess @ 1% i.e. on Rs. 4594.58				45.95				
						4640.53	<b>4640.53</b>			<b>4640.53</b>
II		<b>Labour</b>								
		<b>Taking output</b>	1	Each						
(i)		Wireman (1st Class)	Day	1/3	164.69	54.90				
(ii)		Mazdoor (Skilled)	Day	1/3	164.69	54.90				
		Total - II				109.80				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.109.8				1.10				
		Add contractor's profit @ 21.5% i.e. on Rs. 110.9				23.84				
		Add labour cess @ 1% i.e. on Rs. 134.74				1.35				
		Labour for	1	Each		<b>136.09</b>				
		Labour for	1	Each		136.09	<b>136.09</b>		136.09	
		Cost for	1	Each			<b>4776.62</b>			
		<b>Add 10% for sub mountainous region</b>								13.61
		Labour for	1	Each						<b>149.70</b>
		Cost for	1	Each						<b>4790.23</b>

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)		Sheet metal iron clad triple pole switch with neutral link 200amp. 415 volts								
		Unit :-	1	Each						
I		<b>Materials</b>								
(i)		Sheet metal iron clad triple pole switch with neutral link 200amp. 415 volts	Each	1.00	7375.25	7375.25				
(ii)		G.I. bolt & nut/rag bolt & nut etc. 32amp. to 200amp.	Each	4.00	8.00	32.00				
		Total - I				7407.25				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.7407.25				74.07				
		Add contractor's profit @ 10% i.e. on Rs. 7481.32				748.13				
		Add labour cess @ 1% i.e. on Rs. 8229.45				82.29				
						8311.74	8311.74			8311.74
II		<b>Labour</b>								
		<b>Taking output</b>	1	Each						
(i)		Wireman (1st Class)	Day	1/2	164.69	82.35				
(ii)		Mazdoor (Skilled)	Day	1/2	164.69	82.35				
		Total - II				164.70				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.164.7				1.65				
		Add contractor's profit @ 21.5% i.e. on Rs. 166.35				35.77				
		Add labour cess @ 1% i.e. on Rs. 202.12				2.02				
		Labour for	1	Each		204.14				
		Labour for	1	Each		204.14	204.14		204.14	
		Cost for	1	Each			8515.88			
		<b>Add 10% for sub mountainous region</b>								20.41
		Labour for	1	Each						224.55
		Cost for	1	Each						8536.29



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)		Sheet metal iron clad triple pole switch with neutral link 320amp. 415 volts								
		Unit :-	1	Each						
I		<b>Materials</b>								
(i)		Sheet metal iron clad triple pole switch with neutral link 320amp. 415 volts	Each	1.00	9877.66	9877.66				
(ii)		G.I. bolt & nut/rag bolt & nut etc. 250amp. to 400amp.	Each	4.00	12.00	48.00				
		Total - I				9925.66				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.9925.66				99.26				
		Add contractor's profit @ 10% i.e. on Rs. 10024.92				1002.49				
		Add labour cess @ 1% i.e. on Rs. 11027.41				110.27				
						11137.68	11137.68			11137.68
II		<b>Labour</b>								
		<b>Taking output</b>	1	Each						
(i)		Wireman (1st Class)	Day	1	164.69	164.69				
(ii)		Mazdoor (Skilled)	Day	1	164.69	164.69				
		Total - II				329.38				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.329.38				3.29				
		Add contractor's profit @ 21.5% i.e. on Rs. 332.67				71.52				
		Add labour cess @ 1% i.e. on Rs. 404.19				4.04				
		Labour for	1	Each		408.23				
		Labour for	1	Each		408.23	408.23		408.23	
		Cost for	1	Each			11545.91			
		<b>Add 10% for sub mountainous region</b>								40.82
		Labour for	1	Each						449.05
		Cost for	1	Each						11586.73

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
(x)		Sheet metal iron clad triple pole switch with neutral link 400amp. 415 volts								
		Unit :-	1	Each						
I		<b>Materials</b>								
(i)		Sheet metal iron clad triple pole switch with neutral link 400amp. 415 volts	Each	1.00	14159.03	14159.03				
(ii)		G.I. bolt & nut/rag bolt & nut etc. 250amp. to 400amp.	Each	4.00	12.00	48.00				
		Total - I				14207.03				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.14207.03				142.07				
		Add contractor's profit @ 10% i.e. on Rs. 14349.1				1434.91				
		Add labour cess @ 1% i.e. on Rs. 15784.01				157.84				
						15941.85	15941.85			15941.85
II		<b>Labour</b>								
		<b>Taking output</b>	1	Each						
(i)		Wireman (1st Class)	Day	1	164.69	164.69				
(ii)		Mazdoor (Skilled)	Day	1	164.69	164.69				
		Total - II				329.38				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.329.38				3.29				
		Add contractor's profit @ 21.5% i.e. on Rs. 332.67				71.52				
		Add labour cess @ 1% i.e. on Rs. 404.19				4.04				
		Labour for	1	Each		408.23				
		Labour for	1	Each		408.23	408.23		408.23	
		Cost for	1	Each			16350.08			
		<b>Add 10% for sub mountainous region</b>								40.82
		Labour for	1	Each						449.05
		Cost for	1	Each						16390.90