

**Chapter No. 33.11**  
**HEAVY GAUGE WELDED CONDUIT PIPES:**

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
33.11		Supply & erection of pipe for wiring purposes including bends, inspection boxes etc., where necessary including painting as per PWD General Specifications 2010:-										
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick) On Surface										
			Unit :-	1	Metre							
I		<b>Materials</b>										
			<b>Taking output</b>	100	Metre							
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)			Metre	100.00	50.64	5064.00				
(ii)		MS Saddle Clamp 20mm dia.			Each	100.00	2.00	200.00				
(iii)		PVC gutties			Each	200.00	0.40	80.00				
(iv)		Iron Screw 38mm long			Each	200.00	0.80	160.00				
(v)		Cast iron circular inspection box 20mm dia. (1½" deep surface type)			Each	8.00	19.91	159.28				
(vi)		Heavy gauge welded conduit bend 20mm dia.			Each	8.00	9.00	72.00				
		Total - I						5735.28				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.5735.28						57.35				
		Add contractor's profit @ 10% i.e. on Rs. 5792.63						579.26				
		Add labour cess @ 1% i.e. on Rs. 6371.89						63.72				
			Material for	100	Metre			<b>6435.61</b>				
			Material for	1	Metre			64.36	<b>64.36</b>			<b>64.36</b>
II		<b>Labour</b>										
			<b>Taking output</b>	100	Metre							
(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	100	Metre			<b>408.23</b>				
			Labour for	1	Metre			4.08	<b>4.08</b>		4.08	
			Cost for	1	Metre				<b>68.44</b>			
		<b>Add 10% for sub mountainous region</b>										0.41
			Labour for	1	Metre							<b>4.49</b>
			Cost for	1	Metre							<b>68.85</b>

[illegible]

[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
(v)		Heavy gauge welded conduit pipe 50mm dia. (ISI marked 2mm thick) On Surface								
		Unit :-	1	Metre						
I		Materials								
		Taking output	100	Metre						
(i)		Heavy gauge welded conduit pipe 50mm dia. (ISI marked 2mm thick)								
				Metre	100.00	275.36	27536.00			
(ii)		MS Saddle Clamp 50mm dia.			Each	100.00	5.00	500.00		
(iii)		PVC gutties			Each	200.00	0.40	80.00		
(iv)		Iron Screw 38mm long			Each	200.00	0.80	160.00		
(v)		Cast iron circular inspection box 50mm dia. (surface type)			Each	8.00	28.44	227.52		
(vi)		Heavy gauge welded conduit bend 50mm dia.			Each	8.00	91.00	728.00		
		Total - I					29231.52			
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.29231.52					292.32			
		Add contractor's profit @ 10% i.e. on Rs. 29523.84					2952.38			
		Add labour cess @ 1% i.e. on Rs. 32476.22					324.76			
		Material for	100	Metre			32800.98			
		Material for	1	Metre			328.01	328.01		328.01
II		Labour								
		Taking output	100	Metre						
(i)		Wireman (1st Class)			Day	1	164.69	164.69		
(ii)		Mazdoor (Skilled)			Day	2	164.69	329.38		
		Total - II					494.07			
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.494.07					4.94			
		Add contractor's profit @ 21.5% i.e. on Rs. 499.01					107.29			
		Add labour cess @ 1% i.e. on Rs. 606.3					6.06			
		Labour for	100	Metre			612.36			
		Labour for	1	Metre			6.12	6.12	6.12	
		Cost for	1	Metre			334.13			
		Add 10% for sub mountainous region								0.61
		Labour for	1	Metre						6.73
		Cost for	1	Metre						334.74

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)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick) Flushed								
		Unit :- 1 Metre								
<b>I</b>		<b>Materials</b>								
		<b>Taking output</b> 100 Metre								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)	Metre	100.00	50.64	5064.00				
(ii)		Steel hook (for hold the pipe in the wall)	Each	100.00	3.38	338.00				
(iii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)	Sq.m	4.00	54.00	216.00				
(iv)		Cast iron circular inspection box 20mm dia. (1½" deep surface type)	Each	8.00	19.91	159.28				
(v)		Heavy gauge welded conduit bend 20mm dia.	Each	8.00	9.00	72.00				
		Total - I				5849.28				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.5849.28				58.49				
		Add contractor's profit @ 10% i.e. on Rs. 5907.77				590.78				
		Add labour cess @ 1% i.e. on Rs. 6498.55				64.99				
		Material for 100 Metre				<b>6563.54</b>				
		Material for 1 Metre				65.64	<b>65.64</b>			<b>65.64</b>
<b>II</b>		<b>Labour</b>								
		<b>Taking output</b> 100 Metre								
(i)		Wireman (1st Class)	Day	1	164.69	164.69				
(ii)		Brick layer (2nd Class)	Day	2 1/2	190.00	475.00				
(iii)		Mazdoor (Skilled)	Day	3 1/2	164.69	576.42				
		Total - II				1216.11				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.1216.11				12.16				
		Add contractor's profit @ 21.5% i.e. on Rs. 1228.27				264.08				
		Add labour cess @ 1% i.e. on Rs. 1492.35				14.92				
		Labour for 100 Metre				<b>1507.27</b>				
		Labour for 1 Metre				15.07	<b>15.07</b>		15.07	
		Cost for 1 Metre					<b>80.71</b>			
		<b>Add 10% for sub mountainous region</b>								1.51
		Labour for 1 Metre								<b>16.58</b>
		Cost for 1 Metre								<b>82.22</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
(vii)		Heavy gauge welded conduit pipe 25mm dia. (ISI marked 1.60mm thick) Flushed								
		Unit :- 1 Metre								
I		Materials								
		Taking output	100	Metre						
(i)		Heavy gauge welded conduit pipe 25mm dia. (ISI marked 1.60mm thick)								
			Metre	100.00	63.30	6330.00				
(ii)		Steel hook (for hold the pipe in the wall)								
			Each	100.00	3.38	338.00				
(iii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)								
			Sq.m	4.00	54.00	216.00				
(iv)		Cast iron circular inspection box 25mm dia. (1½" deep surface type)								
			Each	8.00	19.91	159.28				
(v)		Heavy gauge welded conduit bend 25mm dia.								
			Each	8.00	15.16	121.28				
		Total - I				7164.56				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.7164.56				71.65				
		Add contractor's profit @ 10% i.e. on Rs. 7236.21				723.62				
		Add labour cess @ 1% i.e. on Rs. 7959.83				79.60				
		Material for	100	Metre		8039.43				
		Material for	1	Metre		80.39	80.39			80.39
II		Labour								
		Taking output	100	Metre						
(i)		Wireman (1st Class)								
			Day	1	164.69	164.69				
(ii)		Brick layer (2nd Class)								
			Day	2 1/2	190.00	475.00				
(iii)		Mazdoor (Skilled)								
			Day	3 1/2	164.69	576.42				
		Total - II				1216.11				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.1216.11				12.16				
		Add contractor's profit @ 21.5% i.e. on Rs. 1228.27				264.08				
		Add labour cess @ 1% i.e. on Rs. 1492.35				14.92				
		Labour for	100	Metre		1507.27				
		Labour for	1	Metre		15.07	15.07		15.07	
		Cost for	1	Metre			95.46			
		Add 10% for sub mountainous region								1.51
										16.58
		Labour for	1	Metre						
		Cost for	1	Metre						96.97

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)		Heavy gauge welded conduit pipe 32mm dia. (ISI marked 1.60mm thick) Flushed										
			Unit :-	1	Metre							
I		Materials										
			Taking output	100	Metre							
(i)		Heavy gauge welded conduit pipe 32mm dia. (ISI marked 1.60mm thick)										
					Metre	100.00	92.84	9284.00				
(ii)		Steel hook (for hold the pipe in the wall)										
					Each	100.00	3.38	338.00				
(iii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)										
					Sq. m	6.00	54.00	324.00				
(iv)		Cast iron circular inspection box 32mm dia. (surface type)										
					Each	8.00	24.64	197.12				
(v)		Heavy gauge welded conduit bend 32mm dia.										
					Each	8.00	21.33	170.64				
		Total - I						10313.76				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.10313.76						103.14				
		Add contractor's profit @ 10% i.e. on Rs. 10416.9						1041.69				
		Add labour cess @ 1% i.e. on Rs. 11458.59						114.59				
			Material for	100	Metre			11573.18				
			Material for	1	Metre			115.73	115.73			115.73
II		Labour										
			Taking output	100	Metre							
(i)		Wireman (1st Class)										
					Day	1	164.69	164.69				
(ii)		Brick layer (2nd Class)										
					Day	3	190.00	570.00				
(iii)		Mazdoor (Skilled)										
					Day	4	164.69	658.76				
		Total - II						1393.45				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.1393.45						13.93				
		Add contractor's profit @ 21.5% i.e. on Rs. 1407.38						302.59				
		Add labour cess @ 1% i.e. on Rs. 1709.97						17.10				
			Labour for	100	Metre			1727.07				
			Labour for	1	Metre			17.27	17.27		17.27	
			Cost for	1	Metre				133.00			
		Add 10% for sub mountainous region										1.73
			Labour for	1	Metre							19.00
			Cost for	1	Metre							134.73



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
(ix)		Heavy gauge welded conduit pipe 40mm dia. (ISI marked 2mm thick) Flushed								
		Unit :-	1	Metre						
I		Materials								
		Taking output	100	Metre						
(i)		Heavy gauge welded conduit pipe 40mm dia. (ISI marked 2mm thick)			Metre	100.00	158.25	15825.00		
(ii)		Steel hook (for hold the pipe in the wall)			Each	100.00	3.38	338.00		
(iii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)			Sq. m	8.00	54.00	432.00		
(iv)		Cast iron circular inspection box 40mm dia. (surface type)			Each	8.00	26.54	212.32		
(v)		Heavy gauge welded conduit bend 40mm dia.			Each	8.00	39.81	318.48		
		Total - I					17125.80			
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.17125.8					171.26			
		Add contractor's profit @ 10% i.e. on Rs. 17297.06					1729.71			
		Add labour cess @ 1% i.e. on Rs. 19026.77					190.27			
		Material for	100	Metre			19217.04			
		Material for	1	Metre			192.17	192.17		192.17
II		Labour								
		Taking output	100	Metre						
(i)		Wireman (1st Class)			Day	1	164.69	164.69		
(ii)		Brick layer (2nd Class)			Day	3	190.00	570.00		
(iii)		Mazdoor (Skilled)			Day	4	164.69	658.76		
		Total - II					1393.45			
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.1393.45					13.93			
		Add contractor's profit @ 21.5% i.e. on Rs. 1407.38					302.59			
		Add labour cess @ 1% i.e. on Rs. 1709.97					17.10			
		Labour for	100	Metre			1727.07			
		Labour for	1	Metre			17.27	17.27	17.27	
		Cost for	1	Metre				209.44		
		Add 10% for sub mountainous region								1.73
		Labour for	1	Metre						19.00
		Cost for	1	Metre						211.17

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)		Heavy gauge welded conduit pipe 50mm dia. (ISI marked 2mm thick) Flushed								
		Unit :- 1 Metre								
I		Materials								
		Taking output	100	Metre						
(i)		Heavy gauge welded conduit pipe 50mm dia. (ISI marked 2mm thick)								
			Metre	100.00	275.36	27536.00				
(ii)		Steel hook (for hold the pipe in the wall)								
			Each	100.00	3.38	338.00				
(iii)		25mm thick cement plaster 1:6 in two coats work (CSR Item No. 15.35 Rs.109.22-56.22)								
			Sq. m	10.00	54.00	540.00				
(iv)		Cast iron circular inspection box 50mm dia. (surface type)								
			Each	8.00	28.44	227.52				
(v)		Heavy gauge welded conduit bend 50mm dia.								
			Each	8.00	91.00	728.00				
		Total - I				29369.52				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.29369.52				293.70				
		Add contractor's profit @ 10% i.e. on Rs. 29663.22				2966.32				
		Add labour cess @ 1% i.e. on Rs. 32629.54				326.30				
		Material for	100	Metre		32955.84				
		Material for	1	Metre		329.56	329.56			329.56
II		Labour								
		Taking output	100	Metre						
(i)		Wireman (1st Class)								
			Day	1	164.69	164.69				
(ii)		Brick layer (2nd Class)								
			Day	3	190.00	570.00				
(iii)		Mazdoor (Skilled)								
			Day	4	164.69	658.76				
		Total - II				1393.45				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.1393.45				13.93				
		Add contractor's profit @ 21.5% i.e. on Rs. 1407.38				302.59				
		Add labour cess @ 1% i.e. on Rs. 1709.97				17.10				
		Labour for	100	Metre		1727.07				
		Labour for	1	Metre		17.27	17.27		17.27	
		Cost for	1	Metre			346.83			
		Add 10% for sub mountainous region								1.73
		Labour for	1	Metre						19.00
		Cost for	1	Metre						348.56

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
(xi)		Supply and erection of 20mm dia. heavy gauge welded conduit pipe (1.60mm thick) suspension rod for ceiling fan complete in all respect as desired by the Engineer-in-charge.								
		Unit :-	1	Metre						
I		<b>Materials</b>								
(i)		Heavy gauge welded conduit pipe 20mm dia. (ISI marked 1.60mm thick)	Metre	1.00	50.64	50.64				
(ii)		Cutting & drilling charges	Job	1.00	10.00	10.00				
(ii)		Approved paint (Two Coats)	Litre	0.01	180.00	1.62				
		Total - I				62.26				
		Sundries such as carriage of material and other hidden charges etc.@1% on Rs.62.26				0.62				
		Add contractor's profit @ 10% i.e. on Rs. 62.88				6.29				
		Add labour cess @ 1% i.e. on Rs. 69.17				0.69				
						69.86	69.86			69.86
II		<b>Labour</b>								
		Taking output	1	Metre						
(i)		Wireman (1st Class)	Day	1/25	164.69	6.59				
(iii)		Painter (2nd Class)	Day	1/80	190.00	2.38				
		Total - II				8.97				
		Sundries such as uses of tools and other hidden charges etc.@1% on Rs.8.97				0.09				
		Add contractor's profit @ 21.5% i.e. on Rs. 9.06				1.95				
		Add labour cess @ 1% i.e. on Rs. 11.01				0.11				
		Labour for	1	Metre		11.12				
		Labour for	1	Metre		11.12	11.12		11.12	
		Cost for	1	Metre			80.98			
		Add 10% for sub mountainous region								1.11
		Labour for	1	Metre						12.23
		Cost for	1	Metre						82.09