

Chapter No. 7

Sr. No.	Code No.	Description			Unit	Quantity	Plan			For Sub-Mountainous Region		
							Rate	Cost	Total	Rate	Cost	Total
1		2			3	4	5	6	7	8	9	10
7.1		Excavation including handing of materials with in 15 metres inclusive of cost of Explosives and dressing compressed air T&P										
		Pick work										
			Unit	1	Cum							
		Labour :										
			Taking Out Put	115	Cum							
	L_33	(i) Mazdoor (Semi Skilled) (Upper)			Each	50	149.97	7498.50				
		Total -II						7498.50				
		Provision for water charges @ 1% i.e. on Rs. 7498.5						74.99				
		Sundries @ 1% i.e. on Rs. 7498.5						74.99				
		Add contractor's profit @ 21.50% i.e. on Rs. 7648.48						1644.42				
		Add Labour cess @ 1% i.e. on Rs. 9292.9						92.93				
			Labour for	115	Cum			9385.83				
			Labour for	1	Cum			81.62	81.62			
			Cost for	1	Cum				81.62			81.62
		Add 10% for sub mountainous region										8.16
			Labour for	1	Cum				81.62			89.78
			Cost for	1	Cum				81.62			89.78

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1		2			3	4	5	6	7	8	9	10
7.2		Pick and Jumper work										
			Unit	1	Cum							
		Labour :										
			Taking out	100	Cum							
	L_7	(i) Jumper man			Each	21	151.44	3180.24				
	L_33	ii) Mazdoor (Semi Skilled) (Upper)			Each	49.40	149.97	7408.52				
		Total -II						10588.76				
		Provision for water charges @ 1% i.e. on Rs. 10588.76						105.89				
		Sundries @ 1% i.e. on Rs. 10588.76						105.89				
		Add contractor's profit @ 21.50% i.e. on Rs. 10800.54						2322.12				
		Add Labour cess @ 1% i.e. on Rs. 13122.66						131.23				
			Labour for	100	Cum			13253.89				
			Labour for	1	Cum			132.54	132.54			
			Cost for	1	Cum				132.54			132.54
		Add 10% for sub mountainous region										13.25
			Labour for	1	Cum				132.54			145.79
			Cost for	1	Cum				132.54			145.79

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1		2			3	4	5	6	7	8	9	10
7.3		Jumper work										
		Unit	1	Cum								
		Labour :										
		Taking Out Put	31	Cum								
	L_7	(i) Jumper man			Each	12	151.44	1817.28				
	L_33	ii) Mazdoor (Semi Skilled) (Upper)			Each	12.00	149.97	1799.64				
		Total -II						3616.92				
		Provision for water charges @ 1% i.e. on Rs. 3616.92						36.17				
		Sundries @ 1% i.e. on Rs. 3616.92						36.17				
		Add contractor's profit @ 21.50% i.e. on Rs. 3689.26						793.19				
		Add Labour cess @ 1% i.e. on Rs. 4482.45						44.82				
		Labour for	31	Cum				4527.27				
		Labour for	1	Cum				146.04	146.04			
		Cost for	1	Cum					146.04			146.04
		Add 10% for sub mountainous region										14.60
		Labour for	1	Cum					146.04			160.64
		Cost for	1	Cum					146.04			160.64

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1		2			3	4	5	6	7	8	9	10
7.4		Jumper work with occasional blasting										
			Unit	1	Cum							
		Labour :										
			Taking Out Put	85	Cum							
	L_7	(i) Jumper man			Each	6	151.44	908.64				
	L_9	ii) Driller			Each	3	151.44	454.32				
	L_7	iii) Blaster			Each	3	151.44	454.32				
	L_33	iv) Mazdoor (Semi Skilled) (Upper)s			Each	81	149.97	12147.57				
		v) Powder & Fuse			Kg	11	108.00	1188.00				
		Total -II						15152.85				
		Provision for water charges @ 1% i.e. on Rs. 15152.85						151.53				
		Sundries @ 1% i.e. on Rs. 15152.85						151.53				
		Add contractor's profit @ 21.50% i.e. on Rs. 15455.91						3323.02				
		Add Labour cess @ 1% i.e. on Rs. 18778.93						187.79				
			Labour for	85	Cum			18966.72				
			Labour for	1	Cum			223.14	223.14			
			Cost for	1	Cum				223.14			223.14
		Add 10% for sub mountainous region										22.31
			Labour for	1	Cum				223.14			245.45
			Cost for	1	Cum				223.14			245.45

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1		2			3	4	5	6	7	8	9	10
7.5		Blasting ordinary Rock										
			Unit	1	Cum							
		Labour :										
		Taking Out Put			100	Cum						
	L_9	(i) Driller			Each	8	151.44	1211.52				
	L_7	ii) Blaster			Each	8	151.44	1211.52				
	L_35	iii) Watch man			Each	2	136.69	273.38				
	L_33	iv) Mazdoor (Semi Skilled) (Upper)s			Each	111	149.97	16646.67				
		v) Powder & Fuse			Kg	21	108.00	2268.00				
		Total -II						21611.09				
		Provision for water charges @ 1% i.e. on Rs. 21611.09						216.11				
		Sundries @ 1% i.e. on Rs. 21611.09						216.11				
		Add contractor's profit @ 21.50% i.e. on Rs. 22043.31						4739.31				
		Add Labour cess @ 1% i.e. on Rs. 26782.62						267.83				
		Labour for			100	Cum		27050.45				
		Labour for			1	Cum		270.50	270.50			
		Cost for			1	Cum			270.50			270.50
		Add 10% for sub mountainous region										27.05
		Labour for			1	Cum			270.50			297.55
		Cost for			1	Cum			270.50			297.55

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							Rate	Cost	Total	Rate	Cost	Total
1		2			3	4	5	6	7	8	9	10
7.6		Blasting hard Rock										
			Unit	1	Cum							
		Labour :										
		Taking Out Put	100	Cum								
	L_9	(i) Driller			Each	14	151.44	2120.16				
	L_7	ii) Blaster			Each	7	151.44	1060.08				
	L_35	iii) Watch man			Each	2	136.69	273.38				
	L_33	iv) Mazdoor (Semi Skilled) (Upper)s			Each	160	149.97	23995.20				
		v) Powder & Fuse			Kg	42	108.00	4536.00				
		Total -II						31984.82				
		Provision for water charges @ 1% i.e. on Rs. 31984.82						319.85				
		Sundries @ 1% i.e. on Rs. 31984.82						319.85				
		Add contractor's profit @ 21.50% i.e. on Rs. 32624.52						7014.27				
		Add Labour cess @ 1% i.e. on Rs. 39638.79						396.39				
		Labour for	100	Cum				40035.18				
		Labour for	1	Cum				400.35	400.35			
		Cost for	1	Cum					400.35			400.35
		Add 10% for sub mountainous region										40.04
		Labour for	1	Cum					400.35			440.39
		Cost for	1	Cum					400.35			440.39

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							Rate	Cost	Total	Rate	Cost	Total
1		2			3	4	5	6	7	8	9	10
7.7		Blasting conglomerate mass										
			Unit	1	Cum							
		Labour :										
			Taking Out Put	100	Cum							
	L_9	(i) Driller			Each	22	151.44	3331.68				
	L_7	ii) Blaster			Each	8	151.44	1211.52				
	L_35	iii) Watch man			Each	2	136.69	273.38				
	L_33	iv) Mazdoor (Semi Skilled) (Upper)s			Each	185	149.97	27744.45				
		v) Powder & Fuse			Kg	58	108.00	6264.00				
		Total -II						38825.03				
		Provision for water charges @ 1% i.e. on Rs. 38825.03						388.25				
		Sundries @ 1% i.e. on Rs. 38825.03						388.25				
		Add contractor's profit @ 21.50% i.e. on Rs. 39601.53						8514.33				
		Add Labour cess @ 1% i.e. on Rs. 48115.86						481.16				
			Labour for	100	Cum			48597.02				
			Labour for	1	Cum			485.97	485.97			
			Cost for	1	Cum				485.97			485.97
		Add 10% for sub mountainous region										48.60
			Labour for	1	Cum				485.97			534.57
			Cost for	1	Cum				485.97			534.57

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							Rate	Cost	Total	Rate	Cost	Total
1		2			3	4	5	6	7	8	9	10
7.8		Blasting conglomerate trenches										
			Unit	1	Cum							
		Labour :										
			Taking out	100	Cum							
	L_9	(i) Driller			Each	30	151.44	4543.20				
	L_7	ii) Blaster			Each	12	151.44	1817.28				
	L_35	iii) Watch man			Each	2	136.69	273.38				
	L_33	iv) Mazdoor (Semi Skilled) (Upper)s			Each	240	149.97	35992.80				
		v) Powder & Fuse			Kg	80	108.00	8640.00				
		Total -II						51266.66				
		Provision for water charges @ 1% i.e. on Rs. 51266.66						512.67				
		Sundries @ 1% i.e. on Rs. 51266.66						512.67				
		Add contractor's profit @ 21.50% i.e. on Rs. 52292						11242.78				
		Add Labour cess @ 1% i.e. on Rs. 63534.78						635.35				
			Labour for	100	Cum			64170.13				
			Labour for	1	Cum			641.70	641.70			
			Cost for	1	Cum				641.70			641.70
		Add 10% for sub mountainous region										64.17
			Labour for	1	Cum				641.70			705.87
			Cost for	1	Cum				641.70			705.87

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					Rate	Cost	Total	Rate	Cost	Total
1		2	3	4	5	6	7	8	9	10
7.9		Through cut rock excavation								
		Unit : Cum								
		(i) Add 10 percent on items 7.1 to 7.8								
		Lobour for cum				10 percent extra over above rates				

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							Rate	Cost	Total	Rate	Cost	Total
1		2			3	4	5	6	7	8	9	10
7.10		Extra for every 7.5 metres additional Lead										
		Unit Cum										
		Labour										
		Labour for Cum							Rs. 1.90			