

## Chapter No. 18

### Steel and Iron Work

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.1		Steel work fixed independently without connecting plates including cutting hoisting and fixing in position								
(a)		R S Joists								
			Unit : -	1	qtl					
			Taking Output :	2.873	qtl					
I		<b>MATERIALS</b>								
		ISMB 300x140x7.5 = 6.5x300mmx140mm @44.2 kgs per metre								
		2.873 qtl								
		Wastage @ 5%								
		= 0.144 Qtl								
		Total								
		= 3.017								
		Say 3.02 qtl								
(i)		R S joists including 5 km carriage		qtl	3.02	3814.37	11519.40			
		Total-I					11519.40			
		Sundries @ 1% i.e. on Rs. 11519.4					115.19			
		Add contractor's profit @ 10% i.e. on Rs. 11634.59					1163.46			
		Labour cess on cost of material @ 1% i.e. on Rs. 12798.05					127.98			
			Cost for	2.873	qtl		12926.03			
			Cost for	1	qtl		4499.14	4499.14		4499.14
II		<b>LABOUR</b>								
			Taking output	2.873	qtl					
(i)		For Hoisting as per CSR 13.9		qtl	2.873	216.50	622.00			
(ii)		For cutting and fixing in position								
(a)		Black smith 2nd class		each	1	190.00	190.00			
(b)		Mazdoors		each	4	164.69	658.76			
		Total-II					1470.76			
		Sunderies @ 1% i.e. on Rs. 1470.76					14.71			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 1485.47					319.38			
		Labour cess on cost of labour @ 1% i.e. on Rs. 1804.85					18.05			
			Labour for	2.873	qtl		1822.90			
			Labour for	1	qtl		634.49	634.49		634.49
		Add Submountainous Region @ 10% i.e. on Rs. 634.49								63.45
										697.94
		cost per qtl					5133.63			5197.08

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
	(b)	FLATS								
			Unit : - 1 qtl							
	I	MATERIALS								
		M.S. Flats = 1.00 qtl								
		Wastage @ 5% = 0.05 Qtl								
		Total = 1.05								
	(i)	M.S. Flats including 5 km Carriage	qtl	1.05	3814.37	4005.09				
		Total-I				4005.09				
		Sundries @ 1% i.e. on Rs. 4005.09				40.05				
		Add contractor's profit @ 10% i.e. on Rs. 4045.14				404.51				
		Labour cess on cost of material @ 1% i.e. on Rs. 4449.65				44.50				
		Total-I				4494.15	4494.15			4494.15
	II	LABOUR								
		Taking output	1	qtl						
	(i)	Fitter	each	0.50	223.36	111.68				
	(ii)	Black smith 2nd class	each	0.50	190.00	95.00				
	(iii)	Mazdoors	each	1	164.69	164.69				
		Total-II				371.37				
		Sunderies @ 1% i.e. on Rs. 371.37				3.71				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 375.08				80.64				
		Labour cess on cost of labour @ 1% i.e. on Rs. 455.72				4.56				
		Labour for	1	qtl		460.28				
		Labour for	1	qtl		460.28	460.28			460.28
		Add Submountainous Region @ 10% i.e. on Rs. 460.28								46.03
										506.31
		cost per qtl					4954.43			5000.46

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
	(c)	Tees angles & channels								
			Unit : -	1	qtl					
	I	MATERIALS								
		Steel = 1.00 qtl								
		Wastage @ 5% = 0.05 Qtl								
		Total = 1.05								
	(i)	Steel including 5 km carriage		qtl	1.05	3814.37	4005.09			
		Total-I					4005.09			
		Sundries @ 1% i.e. on Rs. 4005.09					40.05			
		Add contractor's profit @ 10% i.e. on Rs. 4045.14					404.51			
		Labour cess on cost of material @ 1% i.e. on Rs. 4449.65					44.50			
		Total-I					4494.15		4494.15	4494.15
	II	LABOUR								
		Taking output	1	qtl						
	(i)	Fitter		each	0.5	223.36	111.68			
	(ii)	Black smith 2nd class		each	0.75	190.00	142.50			
	(iii)	Mazdoors		each	1	164.69	164.69			
		Total-II					418.87			
		Sunderies @ 1% i.e. on Rs. 418.87					4.19			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 423.06					90.96			
		Labour cess on cost of labour @ 1% i.e. on Rs. 514.02					5.14			
		Labour for	1	qtl			519.16			
		Labour for	1	qtl			519.16		519.16	519.16
		Add Submountainous Region @ 10% i.e. on Rs. 519.16								51.92
										571.08
		cost per qtl					5013.31			5065.23

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.2		Steel work in hip & jack rafters common rafters purlins etc. with angle cleats and other connecting plates								
		Unit : -	1	qtl						
I		MATERIALS								
		Steel		= 1.00 qtl						
		Wastage @ 5%		= 0.05 Qtl						
		Total		= 1.05						
(i)		Steel including 5 km carriage		qtl	1.05	3814.37	4005.09			
		Total-I					4005.09			
		Sundries @ 1% i.e. on Rs. 4005.09					40.05			
		Add contractor's profit @ 10% i.e. on Rs. 4045.14					404.51			
		Labour cess on cost of material @ 1% i.e. on Rs. 4449.65					44.50			
		Total-I					4494.15		4494.15	4494.15
II		LABOUR								
		Taking output	1	qtl						
(i)		Fitter		each	1	223.36	223.36			
(ii)		Black smith 2nd class		each	0.5	190.00	95.00			
(iii)		Mazdoors		each	1	164.69	164.69			
		Total-II					483.05			
		Sunderies @ 1% i.e. on Rs. 483.05					4.83			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 487.88					104.89			
		Labour cess on cost of labour @ 1% i.e. on Rs. 592.77					5.93			
		Labour for	1	qtl			598.70			
		Labour for	1	qtl			598.70		598.70	598.70
		Add Submountainous Region @ 10% i.e. on Rs. 598.7							59.87	
									658.57	
		cost per qtl					5092.85			5152.72

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.3		Structural steel work in angles, tees, flats, riveted, including cutting, fixing all gusset plates, bolts, nuts, rivets etc. with hoisting and erecting in position.								
(a)		For roof truss, well curbs, plate girders etc. of any span for building for bridges upto 15M span								
		Unit : -	1	qtl						
I		MATERIALS								
		Steel = 1.00 qtl								
		Wastage @ 5% = 0.05 Qtl								
		Total = 1.05								
(i)		Steel including 5 km carriage	qtl	1.05	3814.37	4005.09				
		Total-I				4005.09				
		Sundries @ 1% i.e. on Rs. 4005.09				40.05				
		Add contractor's profit @ 10% i.e. on Rs. 4045.14				404.51				
		Labour cess on cost of material @ 1% i.e. on Rs. 4449.65				44.50				
		Total-I				4494.15	4494.15			4494.15
II		LABOUR								
		Taking output	1	qtl						
(i)		For Hoisting (Rate as per item No. 13.9	qtl	1.05	216.50	227.33				
(ii)		For cutting and fixing in position								
(a)		Fitter	each	2.5	223.36	558.40				
(b)		Black smith 2nd class	each	2.5	190.00	475.00				
(c)		Mazdoors	each	2	164.69	329.38				
		Total-II				1590.11				
		Sunderies @ 1% i.e. on Rs. 1590.11				15.90				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 1606.01				345.29				
		Labour cess on cost of labour @ 1% i.e. on Rs. 1951.3				19.51				
		Labour for	1	qtl		1970.81				1970.81
		Labour for	1	qtl		1970.81	1970.81			197.08
		Add Submountainous Region @ 10% i.e. on Rs. 1970.81								2167.89
		cost per qtl					6464.96			6662.04

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
(b)		For plates and trussed gadders etc. for bridge of span more than 15 metres but upto 30 mts. Span								
		Unit : -	1	qtl						
I		MATERIALS								
		Rate as worked in case of item No. 18.3 (a) i				4005.09				
		Total-I				4005.09				
		Sundries @ 1% i.e. on Rs. 4005.09				40.05				
		Add contractor's profit @ 10% i.e. on Rs. 4045.14				404.51				
		Labour cess on cost of material @ 1% i.e. on Rs. 4449.65				44.50				
		Total-I				4494.15	4494.15			4494.15
II		LABOUR								
		Taking output	1	qtl						
		Rate as worked in case of item No. 18.3 (a) ii				1590.11				
		Extra labour involved								
(i)		Black smith 2nd class	each	1	190.00	190.00				
(ii)		Mazdoors	each	0.75	164.69	123.52				
		Total-II				1903.63				
		Sunderies @ 1% i.e. on Rs. 1903.63				19.04				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 1922.67				413.37				
		Labour cess on cost of labour @ 1% i.e. on Rs. 2336.04				23.36				
		Labour for	1	qtl		2359.40				
		Labour for	1	qtl		2359.40	2359.40			2359.40
		Add Submountainous Region @ 10% i.e. on Rs. 2359.4								235.94
										2595.34
		cost per qtl					6853.55			7089.49

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.4		Wrought iron & Mild steel ladders, framed grills, gratings etc. with ends of bars rivetted of molded forged framed window guards, barred iron doors stair case iron railing etc. including cost of bolts and nuts, screws, welding rod complete fixing in position								
		Unit : -	1	qtl						
I		MATERIALS								
		Rate as worked in case of item No. 18.3 (a) i				4005.09				
		Total-I				4005.09				
		Sundries @ 1% i.e. on Rs. 4005.09				40.05				
		Add contractor's profit @ 10% i.e. on Rs. 4045.14				404.51				
		Labour cess on cost of material @ 1% i.e. on Rs. 4449.65				44.50				
		Total-I				4494.15	4494.15			4494.15
II		LABOUR								
		Taking output	1	qtl						
(i)		Rate as per Item no.18.3 (a) ii				1590.11				
		Extra labour involved								
(ii)		Blacksmith Ist class	each	1	223.36	223.36				
(iii)		Mazdoors	each	0.75	164.69	123.52				
		Total-II				1936.99				
		Sunderies @ 1% i.e. on Rs. 1936.99				19.37				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 1956.36				420.62				
		Labour cess on cost of labour @ 1% i.e. on Rs. 2376.98				23.77				
		Labour for	1	qtl		2400.75				
		Labour for	1	qtl		2400.75	2400.75			2400.75
		Add Submountainous Region @ 10% i.e. on Rs. 2400.75								240.08
										2640.83
		cost per qtl					6894.90			7134.98

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
18.5		Iron grated doors, including pintle hinges & arrangements.								
		Unit : -	1	qtl						
I		MATERIALS								
		Rate as worked in case of item No. 18.3 (a) i					4494.15			4494.15
II		LABOUR								
		Taking output	1	qtl						
(i)		Rate as per item No. 18.4 II					1936.99			
		Extra labour involved								
(ii)		Black smith Ist class	each	0.6666	223.36	148.89				
		Total-II				2085.88				
		Sunderies @ 1% i.e. on Rs. 2085.88				20.86				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 2106.74				452.95				
		Labour cess on cost of labour @ 1% i.e. on Rs. 2559.69				25.60				
		Labour for	1	qtl		4671.17				
		Labour for	1	qtl		4671.17	4671.17			4671.17
		Add Submountainous Region @ 10% i.e. on Rs. 4671.17								467.12
										5138.29
		cost per qtl					9165.32			9632.44



Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.6		Structural steel work in girders oR S tanchions built up of one joist / or channel section. Rivetted including cutting and fixing old gusset plates bolts, Nuts, Rivetes etc. complete with flange plates, head, sole plates, angle connections etc. with hoisting & erecting in position								
			Unit : -	1	qtl					
I		MATERIALS								
		Steel		= 1.00	qtl					
		Wastage @ 5%		= 0.05	Qtl					
		Total		= 1.05						
(i)		Steel including 5 km carriage		qtl	1.05	3814.37	4005.09			
		Total-I					4005.09			
		Sundries @ 1% i.e. on Rs. 4005.09					40.05			
		Add contractor's profit @ 10% i.e. on Rs. 4045.14					404.51			
		Labour cess on cost of material @ 1% i.e. on Rs. 4449.65					44.50			
		Total-I					4494.15		4494.15	4494.15
II		LABOUR								
			Taking output	1	qtl					
(i)		Black smith 2nd class		each	1	190.00	190.00			
(ii)		Fitter		each	1	223.36	223.36			
(iii)		Mazdoors		each	0.5	164.69	82.35			
		Total-II					495.71			
		Sunderies @ 1% i.e. on Rs. 495.71					4.96			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 500.67					107.64			
		Labour cess on cost of labour @ 1% i.e. on Rs. 608.31					6.08			
		Labour for	1	qtl			614.39			
		Labour for	1	qtl			614.39		614.39	614.39
		Add Submountainous Region @ 10% i.e. on Rs. 614.39								61.44
										675.83
		cost per qtl					5108.54			5169.98

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.7		Structural steel work in compound girders oR S tanchions built up from two or more R S joists or channel section or plates & angles etc. including cutting and fixing all lattice bars, stiffeners gusset plates, bolts, nuts, rivets, welding rod, etc. complete with flange plates, heads, sole plates, angle connections, etc. with hoisting and erecting in position								
			Unit : -	1	qtl					
I		MATERIALS								
		Steel				= 1.00 qtl				
		Wastage @ 5%				= 0.05 Qtl				
		Total				= 1.05				
(i)		Steel including 5 km carriage		qtl	1.05	3814.37	4005.09			
		Total-I					4005.09			
		Sundries @ 1% i.e. on Rs. 4005.09					40.05			
		Add contractor's profit @ 10% i.e. on Rs. 4045.14					404.51			
		Labour cess on cost of material @ 1% i.e. on Rs. 4449.65					44.50			
		Total-I					4494.15		4494.15	4494.15
II		LABOUR								
			Taking output	1	qtl					
(i)		Black smith 2nd class		each	1.5	190.00	285.00			
(ii)		Fitter		each	1.5	223.36	335.04			
(iii)		Mazdoors		each	1.5	164.69	247.04			
		Total-II					867.08			
		Sunderies @ 1% i.e. on Rs. 867.08					8.67			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 875.75					188.29			
		Labour cess on cost of labour @ 1% i.e. on Rs. 1064.04					10.64			
		Labour for	1	qtl			1074.68			
		Labour for	1	qtl			1074.68		1074.68	1074.68
		Add Submountainous Region @ 10% i.e. on Rs. 1074.68								107.47
										1182.15
		cost per qtl							5568.83	5676.30

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10

18.8 Providing and fixing G.I. Sheet 0.80mm thick garage doors, with 40mmx40mmx6mm angle iron frame with diagonal braces 3.15mm thick gusset plates at the top and 25mm dia meter pulleys and T-iron 50mmx50mmx6mm guides at bottom including locking arrangement with handles and pintles, etc. complete in all respect.

Unit : - 1 sqm  
Taking Output : 6.25 sqm

#### I MATERIALS

Detail of cost for a double leaf door (2.5mx2.5m = 6.25 sqm)

(a) (i)	G.I. Sheets 0.80mm	= 6.250 sqm @								
	6.88 kgs per sqm	0.043 Tonne								
	Wastage @ 10%	0.004 Tonne								
	Total	0.047 Tonne	Tonne	0.047	59150.00	2780.05				
(ii)	Gusset plates 3.15mm thick 8x2x0.3x0.3 / 2	= 0.72 sqm @								
	24.88 kgs/sqm	17.91 kgs								
	Wastage @ 10%	1.79 kgs								
	Total	19.70 kgs	qtl	0.197	4388.21	864.48				
(iii)	Angle iron 40mmx40mmx6mm	= 4x2.5 = 10.00 M Sides								
	Top Bottom	4x1.25 = 5.0 m								
	Diagonals	2x2.8 m = 5.6 M								
	Wastage @ 10%	= 2.06 kgs								
	Total	= 22.66 M								
	3.5kgs/ sqm	79.31 kgs								
(iv)	Bottom guides 50x50x6mm									
	Tee iron 2x22/7x2.5x1/4	= 3.93m								
	wastage @ 10 %	= 0.39								
	Total	= 4.32 m								
	4.5kgs Per metre 4.32x4.5	= 19.44 kg								
	Total (iii+iv) 79.31+19.44	= 98.75 kg								
	or 0.99 qtl		qtl	0.99	3814.37	3776.23				
(b)	Iron Pintles including welded pin		each	4	36.00	144.00				
(c)	Hook		each	4	16.20	64.80				
(d)	Pulleys 25mm dia		each	2	25.00	50.00				
(E)	Handle & Locking arrangement		each	1	200.00	200.00				
(F)	Cement concrete 1:2:4 4x0.30x0.30x0.23= 0.0828 cum (rate as per item No. 10.11 I)		cum	0.0828	1870.51	154.88				
	Total-I					8034.44				
	Sundries @ 1% i.e. on Rs. 8034.44					80.34				
	Add contractor's profit @ 10% i.e. on Rs. 8114.78					811.48				
	Labour cess on cost of material @ 1% i.e. on Rs. 8926.26					89.26				

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
		Cost for 6.25 sqm				9015.52				
		Cost for 1 sqm				1442.48	1442.48			1442.48
II		LABOUR								
		Taking output 6.25 sqm								
(i)		For cement concrete 1:2:4 Rate as per item No. 10.11 II	cum	0.0828	8882.61	735.48				
(ii)		Fitter	each	2	223.36	446.72				
(iii)		Blacksmith 1st class	each	3	223.36	670.08				
(iv)		Blacksmith 2nd class	each	4	190.00	760.00				
(v)		Mason	each	0.25	223.36	55.84				
(vi)		Mazdoor	each	6	164.69	988.14				
		Total-II				3656.26				
		Sunderies @ 1% i.e. on Rs. 3656.26				36.56				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 3692.82				793.96				
		Labour cess on cost of labour @ 1% i.e. on Rs. 4486.78				44.87				
		Labour for 6.25 sqm				4531.65				
		Labour for 1 sqm				725.06	725.06			725.06
		Add Submountainous Region @ 10% i.e. on Rs. 725.06								72.51
										797.57
		cost per sqm					2167.54			2240.05

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.9		Providing and fixing G.I. Sheet 0.80mm thick sliding shutters with 40mmx40mmx6mm angle iron frame with diagonal braces 3.15mm gusset plates at the junctions, hooks at top and 25mm dia pulleys at bottom and 40mmx40mmx25mm dia pulleys at bottom and 40mmx40mmx6mm angle iron top and bottom guides including locking arragnement with handles etc. complete in respects.								
		Unit : - 1 sqm								
		Taking Output : 6.25 sqm								
I		MATERIALS								
		Detail of cost for a double leaf dooR S ize (2.5m x 2.5m = 6.25 sqm)								
(a) (i)		G.I. Sheets 0.80mm = 6.250 sqm								
		@ 6.88 kg per sqm 0.043 Tonne								
		Wastage @ 10% 0.004 Tonne								
		Total 0.047 Tonne	Tonne	0.047	59150.00	2780.05				
(ii)		Gusset plates 3.15mm thick 8x2x0.3x0.3 / 2 = 0.72 sqm								
		@ 24.88 kgs sqm 17.91 kgs								
		Wastage @ 10% 1.79 kgs								
		Total 19.70 kgs	qtl	0.197	4388.21	864.48				
(iii)		Angle iron 40mmx40mmx6mm = sides 4x2.5 = 10.00 M								
		Top Bottom 4x1.25 = 5.0 m								
		Diagonals 2x2.8 m = 5.6 M								
		Guides 2x2x5m = 20 M								
		Total = 40.6 M								
		Wastage @ 10% = 4.06M								
		Total = 44.66 M								
		3.5kgs/ mtr. 1.56 qtl	qtl	1.56	3814.37	5950.42				
(iv)		Hook bolts	each	10	16.20	162.00				
(v)		Pulleys 25mm dia	each	20	25.00	500.00				
(vi)		Handles & locking arrangement	each	1	200.00	200.00				
		Total-I					10456.95			
		Sundries @ 1% i.e. on Rs. 10456.95					104.57			
		Add contractor's profit @ 10% i.e. on Rs. 10561.52					1056.15			
		Labour cess on cost of material @ 1% i.e. on Rs. 11617.67					116.18			
		Cost for 6.25 sqm					11733.85			
		Cost for 1 sqm					1877.42			
								1877.42		1877.42
II		LABOUR								
		Taking output 6.25 sqm								
(i)		Fitter	each	3	223.36	670.08				

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
	(ii)	Blacksmith 1st class	each	4	223.36	893.44				
	(iii)	Blacksmith 2nd class	each	4	190.00	760.00				
	(iv)	Mason	each	0.5	223.36	111.68				
	(v)	Mazdoor	each	8	164.69	1317.52				
		Total-II				3752.72				
		Sunderies @ 1% i.e. on Rs. 3752.72				37.53				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 3790.25				814.90				
		Labour cess on cost of labour @ 1% i.e. on Rs. 4605.15				46.05				
		Labour for 6.25 sqm				4651.20				
		Labour for 1 sqm				744.19	744.19			744.19
		Add Submountainous Region @ 10% i.e. on Rs. 744.19								74.42
										818.61
		cost per sqm					2621.61			2696.03

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
18.10		Providing and fixing 14 gauge MS sheet garrage doors with 40mmx40mmx6mm angle iron frame with diagonal braces 3.15mm gusset plates including locking arrangement with handles etc. complete in respects.								
			Unit : -	1	sqm					
			Taking Output :	2.205	sqm					
I		MATERIALS								
		Detail of cost for a single leaf door size (1.05mx2.10m=2.205 sqm)								
(a) (i)		14gauge MS sheet = 2.205 sqm								
		Wastage @ 10%								
		Total								
		@ 12.60 kg per sqm								
				30.56kg	qtl	0.3056	4388.21	1341.04		
(ii)		Gusset plates 3.15mm thick 4x2x0.3x0.3 / 2 = 0.36 sqm								
		Wastage @ 10%								
		Total								
		@ 24.88 kgs sqm								
				9.85 kgs	qtl	0.0985	4388.21	432.24		
(iii)		Angle iron 40mmx40mmx6mm = sides 2x2.10 = 4.20 M								
		Top Bottom								
		Diagonals								
		Total								
		Wastage @ 10%								
		Total								
		3.5kgs/ mtr.33.30 kg			qtl	0.3330	3814.37	1270.19		
(iv)		Iron Pintel including welded pin			each	2	36.00	72.00		
(v)		Hook bolts			each	2	16.20	32.40		
(vi)		Sliding bolts			each	1	187.69	187.69		
b		Cement concrete 1:2:4 2x0.30x0.30x0.23= 0.0414 cum (rate as per item No. 10.11 I)			cum	0.0414	1683.63	69.70		
		Total-I						3405.26		
		Sundries @ 1% i.e. on Rs. 3405.26						34.05		
		Add contractor's profit @ 10% i.e. on Rs. 3439.31						343.93		
		Labour cess on cost of material @ 1% i.e. on Rs. 3783.24						37.83		
			Cost for	2.205	sqm			3821.07		
			Cost for	1	sqm			1732.91	1732.91	1732.91
II		LABOUR								
			Taking output	2.205	sqm					
(vii)		For cement concrete 1:2:4 Rate as per item No. 10.11 II			cum	0.0414	8882.61	367.74		
(i)		Fitter			each	0.5	223.36	111.68		

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
	(ii)	Blacksmith 1st class	each	1.5	223.36	335.04				
	(iii)	Blacksmith 2nd class	each	2	190.00	380.00				
	(iv)	Mason	each	0.25	223.36	55.84				
	(v)	Mazdoor	each	3	164.69	494.07				
		Total-II				1744.37				
		Sunderies @ 1% i.e. on Rs. 1744.37				17.44				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 1761.81				378.79				
		Labour cess on cost of labour @ 1% i.e. on Rs. 2140.6				21.41				
		Labour for 2.205 sqm				2162.01				
		Labour for 1 sqm				980.50	<b>980.50</b>			980.50
		Add Submountainous Region @ 10% i.e. on Rs. 980.5								98.05
										<b>1078.55</b>
		cost per sqm					<b>2713.41</b>			<b>2811.46</b>



Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.11		Supplying and fixing rolling shutters, of approved make, made of 80mmx1.25mm, M.S. Laths, interlocked together through their entire length and jointed together , at the end, by and locks, mounted on specially designed pipe shaft, with brackets, side guides, 27.5cm long wire spring grade No. 2 and arrangement for inside and outside locking with push and pull operation complete, including top cover 0.80mm thick (payment is to be made for the exact size of opening where rolling shutter is to be fixed)								
		Unit : - 1 sqm								
		Taking Output : 7.50 sqm								
I		<b>MATERIALS</b>								
		Taking shutters 3mx2.5m = 7.50 sqm								
(i)		Cost of rolling shutter	sqm	7.50	1649.38	12370.35				
(ii)		Cost of top cover	Metre	3.50	489.13	1711.96				
		Total-I				14082.31				
		Sundries @ 1% i.e. on Rs. 14082.31				140.82				
		Add contractor's profit @ 10% i.e. on Rs. 14223.13				1422.31				
		Labour cess on cost of material @ 1% i.e. on Rs. 15645.44				156.45				
		Cost for 7.50 sqm				15801.89				
		Cost for 1 sqm				2106.92	2106.92			2106.92
II		<b>LABOUR</b>								
		Taking output 7.50 sqm								
(i)		Fitter, Ist class	each	1.00	223.36	223.36				
(ii)		Mason Ist class	each	0.05	223.36	11.17				
(iii)		Mazdoor (Skilled) (Upper)	each	1.00	164.69	164.69				
		Total-II				399.22				
		Sunderies @ 1% i.e. on Rs. 399.22				3.99				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 403.21				86.69				
		Labour cess on cost of labour @ 1% i.e. on Rs. 489.9				4.90				
		Labour for 7.50 sqm				494.80				
		Labour for 1 sqm				65.97	65.97			65.97
		Add Submountainous Region @ 10% i.e. on Rs. 65.97								6.60
										72.57
		cost per sqm					2172.89			2179.49

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
		(b) Providing and fixing ball bearing for push and pull type rolling shutters, from 9.20 to 12 sqm area								
		Unit : - 1 each								
	I	MATERIALS								
	(i)	Ball Bearing	each	1	944.13	944.13				
		Total-I				944.13				
		Sundries @ 1% i.e. on Rs. 944.13				9.44				
		Add contractor's profit @ 10% i.e. on Rs. 953.57				95.36				
		Labour cess on cost of material @ 1% i.e. on Rs. 1048.93				10.49				
		Labour for 1 each				1059.42				
		Labour for 1 each				1059.42	1059.42			1059.42
		Add Submountainous Region @ 10% i.e. on Rs. 1059.42								105.94
										1165.36
		cost for each					1059.42			1165.36

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
(c)		Extra for providing machanical device, chain and crank operation, for operating rolling shutter, exceeding 11.20 sqm in area, of the rolling shutter								
		Unit : - 1 sqm								
(i)		Cost per sqm	sqm	1	398.13	398.13				
		Total-I				398.13				
		Sundries @ 1% i.e. on Rs. 398.13				3.98				
		Add contractor's profit @ 10% i.e. on Rs. 402.11				40.21				
		Labour cess on cost of material @ 1% i.e. on Rs. 442.32				4.42				
		Labour for 1 sqm				446.74				
		Labour for 1 sqm				446.74	446.74			446.74
		Add Submountainous Region @ 10% i.e. on Rs. 446.74								44.67
										<b>491.41</b>
		cost foR S qm					<b>446.74</b>			<b>491.41</b>

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.12		Providing and Fixing in position collapsible steel shutters, with vertical channels 20mmx10mmx2mm and braced with flat iron diagonals 20mmx5mm size with top and bottom rails of T iron 40mmx40mmx6mm with 38mm dia steel pulleys, complete with bolts, nuts, locking arrangements, stoppers, handles, etc. complete in all respects.								
		Unit : -	1	sqm						
I		MATERIALS								
(i)		Cost of collapsible steel channel shutter	sqm	1	1200.00	1200.00				
		Total-I				1200.00				
		Sundries @ 1% i.e. on Rs. 1200				12.00				
		Add contractor's profit @ 10% i.e. on Rs. 1212				121.20				
		Labour cess on cost of material @ 1% i.e. on Rs. 1333.2				13.33				
		Total-I				1346.53	1346.53			1346.53
II		LABOUR								
		Taking output	8	sqm						
(i)		Mason Ist class	each	1.00	223.36	223.36				
(ii)		Mazdoor (Skilled) (Upper)	each	1.00	164.69	164.69				
		Total-II				388.05				
		Sunderies @ 1% i.e. on Rs. 388.05				3.88				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 391.93				84.26				
		Labour cess on cost of labour @ 1% i.e. on Rs. 476.19				4.76				
		Labour for	8	sqm		480.95				
		Labour for	1	sqm		60.12	60.12			60.12
		Add Submountainous Region @ 10% i.e. on Rs. 60.12								6.01
										66.13
		cost per sqm					1406.65			1412.66

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
18.13		Supplying and fixing fan clamps with 50mmx6mm flat iron 50cm long and U-hooks of 16mm diameter M.S. Bars, of approved size with nuts including threading etc. complete in all respects.								
		Unit : - 1 clamp								
	I	MATERIALS								
	(i)	50x60mm M.S. Flat = 50 Cms. @ 2.40 kgs Per metre 1.20 kgs Wastage 5 % = 0.060 kgs Total 1.26 kgs	qtl	0.0126	3814.37	48.06				
	(ii)	16mm diameter M.S. Bars 50cm @ 1.58 kgs/metre 0.79 kgs Wastage @ 5% 0.04 kgs Total 0.83kgs	qtl	0.0083	3868.21	32.11				
	(iii)	Nuts	each	2.00	2.70	5.40				
		Total-I				85.57				
		Sundries @ 1% i.e. on Rs. 85.57				0.86				
		Add contractor's profit @ 10% i.e. on Rs. 86.43				8.64				
		Labour cess on cost of material @ 1% i.e. on Rs. 95.07				0.95				
		Total-I				96.02	96.02			96.02
	II	LABOUR								
		Taking output 1 clamp								
	(i)	Black Smith 2 nd class	each	0.125	190.00	23.75				
	(ii)	Mazdoor (Skilled) (Upper)	each	0.125	164.69	20.59				
		Total-II				44.34				
		Sunderies @ 1% i.e. on Rs. 44.34				0.44				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 44.78				9.63				
		Labour cess on cost of labour @ 1% i.e. on Rs. 54.41				0.54				
		Labour for 1 clamp				54.95				
		Labour for 1 clamp				54.95	54.95			54.95
		Add Submountainous Region @ 10% i.e. on Rs. 54.95								5.50
										60.45
		cost per clamp					150.97			156.47

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
18.14		Providing and fixing M.S. round or square bars at required spacing in wooden frames of windows and clearstory window								
		Unit : - 1 kgs								
		Taking Output : 35.27 kgs								
	I	MATERIALS								
		Detail of cost for a window size 1.5Mx1.20M = 1.80 sqm								
	(i)	M.S. Bars 16mm dia 13x1.45 = 18.85 metre @ 1.58 kgs Per metre 29.78 kgs	qtl	0.3276	3868.21	1267.22				
		Wastage @ 10% 2.98 kgs								
		Total 32.76 kgs								
	(ii)	MS Flat 40mm x6mm = 1.2 mtr @ 1.90 kgs/mtr. = 2.28 kgs	qtl	0.0251	3814.37	95.74				
		Wastage @ 10% 0.23 kgs								
		Total 2.51 kgs								
		Total-I					1362.96			
		Sundries @ 1% i.e. on Rs. 1362.96					13.63			
		Add contractor's profit @ 10% i.e. on Rs. 1376.59					137.66			
		Labour cess on cost of material @ 1% i.e. on Rs. 1514.25					15.14			
		Cost for 35.27 kgs				1529.39				
		Cost for 1 kgs				43.36	43.36			43.36
	II	LABOUR								
		Taking output 35.27 kg								
	(i)	Black Smith 2nd Class	each	0.50	190.00	95.00				
	(ii)	Carpenter/Ind Class	each	0.50	190.00	95.00				
	(iii)	Mazdoor (Skilled) (Upper)	each	0.50	164.69	82.35				
		Total-II				272.35				
		Sundries @ 1% i.e. on Rs. 272.35				2.72				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 275.07				59.14				
		Labour cess on cost of labour @ 1% i.e. on Rs. 334.21				3.34				
		Labour for 35.27 kg				337.55				
		Labour for 1 kg				9.57	9.57			9.57
		Add Submountainous Region @ 10% i.e. on Rs. 9.57								0.96
										10.53
		cost per kg					52.93			53.89

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10

18.15 Nuts & Bolts of all sizes and length required

UNIT PER kgS

Unit : - 1 kqs

per kg

60.00

60.00

60.00

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.16		Mild steel requirement for RCC work where not including the complete rate of RCC including binding and placing in position complete in all respects.								
		Unit : -	1	qtl						
		Taking Output :	1	qtl						
a		20MM DIA BARS AND BELOW.								
I		MATERIALS								
(i)		Mild steel bars 1.00 qtl	qtl	1.05	3868.21	4061.62				
		Wastage @ 5% 0.05 qtl								
		Wire for biding	kg	1	60.00	60.00				
		Total-I				4121.62				
		Sundries @ 1% i.e. on Rs. 4121.62				41.22				
		Add contractor's profit @ 10% i.e. on Rs. 4162.84				416.28				
		Labour cess on cost of material @ 1% i.e. on Rs. 4579.12				45.79				
		Cost for	1	qtl		4624.91				
		Cost for	1	qtl		4624.91	4624.91			4624.91
II		LABOUR								
		Taking output	1	qtl						
(i)		Black Smith 1st class	each	0.50	223.36	111.68				
(ii)		Black Smith 2 nd class	each	0.50	190.00	95.00				
(iii)		Mazdoor (Skilled) (Upper)	each	0.75	164.69	123.52				
		Total-II				330.20				
		Sunderies @ 1% i.e. on Rs. 330.2				3.30				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 333.5				71.70				
		Labour cess on cost of labour @ 1% i.e. on Rs. 405.2				4.05				
		Labour for	1	qtl		409.25				
		Labour for	1	qtl		409.25	409.25			409.25
		Add Submountainous Region @ 10% i.e. on Rs. 409.25					40.93			
									450.18	
		cost per qtl					5034.16			5075.09



Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
	(b)	Above 20mm dia bars								
			Unit : -	1	qtl					
			Taking Output :	1	qtl					
	I	MATERIALS								
	(i)	Mild steel bars 1.00 qtl		qtl	1.05	3868.21	4061.62			
		Wastage @ 5% 0.05 qtl								
		Total 1.05 qtl								
		Wire for bidding		kg	1	60.00	60.00			
		Total-I					4121.62			
		Sundries @ 1% i.e. on Rs. 4121.62					41.22			
		Add contractor's profit @ 10% i.e. on Rs. 4162.84					416.28			
		Labour cess on cost of material @ 1% i.e. on Rs. 4579.12					45.79			
			Cost for	1	qtl		4624.91			
			Cost for	1	qtl		4624.91		4624.91	4624.91
	II	LABOUR								
			Taking output	1	qtl					
	(i)	Black Smith 1st class		each	0.50	223.36	111.68			
	(ii)	Black Smith 2 nd class		each	0.333	190.00	63.33			
	(iii)	Mazdoor (Skilled) (Upper)		each	0.75	164.69	123.52			
		Total-II					298.53			
		Sunderies @ 1% i.e. on Rs. 298.53					2.99			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 301.52					64.83			
		Labour cess on cost of labour @ 1% i.e. on Rs. 366.35					3.66			
			Labour for	1	qtl		370.01			
			Labour for	1	qtl		370.01		370.01	370.01
		Add Submountainous Region @ 10% i.e. on Rs. 370.01								37.00
										407.01
			cost per qtl				4994.92			5031.92

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.17		Cold twisted deformed (Ribbed/ ToR S teal) Bars (Fe 415 grade as per IS 1786-1985) , for R.C.C works, where not including in the complete rate of RCC including biding & bending and placing in position complete								
		Unit : -	1	qtl						
		Taking Output :	1	qtl						
I		MATERIALS								
(i)		Cold twisted deformed (Ribbed / toR S teal bar	1.00 qtl	qtl	1.05	3868.21	4061.62			
		Wastage @ 5%	0.05 qtl							
		Total	1.05 qtl							
		Wire for biding		kg	1	60.00	60.00			
		Total-I					4121.62			
		Sundries @ 1% i.e. on Rs. 4121.62					41.22			
		Add contractor's profit @ 10% i.e. on Rs. 4162.84					416.28			
		Labour cess on cost of material @ 1% i.e. on Rs. 4579.12					45.79			
		Cost for	1	qtl			4624.91			
		Cost for	1	qtl			4624.91	4624.91		4624.91
II		LABOUR								
		Taking output	1	qtl						
(i)		Black Smith 1st class		each	0.50	223.36	111.68			
(ii)		Black Smith 2 nd class		each	0.50	190.00	95.00			
(iii)		Mazdoor (Skilled) (Upper)		each	0.50	164.69	82.35			
		Total-II					289.03			
		Sunderies @ 1% i.e. on Rs. 289.03					2.89			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 291.92					62.76			
		Labour cess on cost of labour @ 1% i.e. on Rs. 354.68					3.55			
		Labour for	1	qtl			358.23			
		Labour for	1	qtl			358.23	358.23		358.23
		Add Submountainous Region @ 10% i.e. on Rs. 358.23								35.82
										394.05
		cost per qtl					4983.14			5018.96

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.18		Cold twisted deformed (Ribbed/ ToR S teal Bar) Bars (Fe 500 grade as per IS 1786-1985) , for R.C.C works, where not including in the complete rate of RCC including bending and biding placing in position complete								
		Unit : -	1	qtl						
		Taking Output :	1	qtl						
I		MATERIALS								
(i)		Cold twisted deformed (Ribbed / toR S teal bar )	1.00 qtl	qtl	1.05	4024.21	4225.42			
		Fe-500 grade								
		Wastage @ 5%	0.05 qtl							
		Total	1.05 qtl							
		Wire for biding		kg	1	60.00	60.00			
		Total-I					4285.42			
		Sundries @ 1% i.e. on Rs. 4285.42					42.85			
		Add contractor's profit @ 10% i.e. on Rs. 4328.27					432.83			
		Labour cess on cost of material @ 1% i.e. on Rs. 4761.1					47.61			
		Cost for	1	qtl			4808.71			
		Cost for	1	qtl			4808.71		4808.71	4808.71
II		LABOUR								
		Taking output	1	qtl						
(i)		Black Smith 1st class		each	0.50	223.36	111.68			
(ii)		Black Smith 2nd class		each	0.50	190.00	95.00			
(iii)		Mazdoor (Skilled) (Upper)		each	0.50	164.69	82.35			
		Total-II					289.03			
		Sunderies @ 1% i.e. on Rs. 289.03					2.89			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 291.92					62.76			
		Labour cess on cost of labour @ 1% i.e. on Rs. 354.68					3.55			
		Labour for	1	qtl			358.23			
		Labour for	1	qtl			358.23		358.23	358.23
		Add Submountainous Region @ 10% i.e. on Rs. 358.23								35.82
										394.05
		cost per qtl					5166.94			5202.76

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.19		Cold twisted deformed (Ribbed/ ToR S teal Bar) Bars (Fe 550 grade as per IS 1786-1985) , for R.C.C works, where not including in the complete rate of RCC including bending and placing in position complete								
		Unit : - 1 qtl								
		Taking Output : 1 qtl								
I		MATERIALS								
(i)		Cold twisted deformed (Ribbed / toR S teal bar ) 1.00 qtl	qtl	1.05	4076.21	4280.02				
		Fe-550 grade								
		Wastage @ 5% 0.05 qtl`								
		Total 1.05 qtl`								
		Wire for biding	kg	1	60.00	60.00				
		Total-I				4340.02				
		Sundries @ 1% i.e. on Rs. 4340.02				43.40				
		Add contractor's profit @ 10% i.e. on Rs. 4383.42				438.34				
		Labour cess on cost of material @ 1% i.e. on Rs. 4821.76				48.22				
		Cost for 1 qtl				4869.98				
		Cost for 1 qtl				4869.98	4869.98			4869.98
II		LABOUR								
		Taking output 1 qtl								
(i)		Black Smith 1st class	each	0.50	223.36	111.68				
(ii)		Black Smith 2nd class	each	0.50	190.00	95.00				
(iii)		Mazdoor (Skilled) (Upper)	each	0.50	164.69	82.35				
		Total-II				289.03				
		Sunderies @ 1% i.e. on Rs. 289.03				2.89				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 291.92				62.76				
		Labour cess on cost of labour @ 1% i.e. on Rs. 354.68				3.55				
		Labour for 1 qtl				358.23				
		Labour for 1 qtl				358.23	358.23			358.23
		Add Submountainous Region @ 10% i.e. on Rs. 358.23								35.82
										394.05
		cost per qtl					5228.21			5264.03

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.20		Supplying openable steel windows, of standard rolled steel Z sections, joints mitred and Electrically flash-welded, with iron fittings including necessary iron handles, Peg-stay catchers bolts, iron plugs and pressed steel projected hinges and glazing clips, complete (Excluding glazing ) and finished with two coats of ready mixed paint red lead non setting primer								
			Unit : -	1	kg					
			Taking Output :	13.093	kg					
		Taking area 1.22x0.60 = 0.732 sqm or 13.093kg								
	I	MATERIALS								
(a)		Upto 1 sqm area								
(1)		FB-7 standard section outer frame 2x1.22 = 2.44								
		2x0.60 = 1.20								
		3.64 M								
		Add wastage @ 5%								
		0.18								
		3.82 M								
		@1.532 kg/Metre 5.85	qtl	0.0585	4284.21	250.63				
(2)		FB-4 standard section inner frame 2x1.18 = 2.36								
		2x0.56 = 1.12								
		3.48 M								
		Add wastage @ 5%								
		0.17								
		3.65 M								
		@ 2.16 kg/Metre 7.88 kg	qtl	0.0788	4284.21	337.60				
(3)		Box type Hinges	No.	2	8.00	16.00				
(4)		Hold fast (300gm)	No.	4	4.00	16.00				
(5)		Handles foR S teel section window	No.	1	12.00	12.00				
(6)		Catcher/ Tower bolts	No.	2	16.35	32.70				
(7)		Peg-Stay	No.	1	25.00	25.00				
		Total-I				689.93				
		Sundries @ 1% i.e. on Rs. 689.93				6.90				
		Add contractor's profit @ 10% i.e. on Rs. 696.83				69.68				
		Labour cess on cost of material @ 1% i.e. on Rs. 766.51				7.67				
		Cost for 13.093 kg				774.18				
		Cost for 1 kg				59.13	59.13			59.13
	II	LABOUR								
		Taking output 13.093 kg								
(1)		Cutting the sections and making the frame and assembling								
(i)		Black Smith Ist Class	each	0.5	223.36	111.68				
		Welder	each	0.5	181.86	90.93				
		Helper	each	0.5	136.69	68.35				
		Total-II				270.96				
		Sunderies @ 1% i.e. on Rs. 270.96				2.71				

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
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 273.67				58.84				
		Labour cess on cost of labour @ 1% i.e. on Rs. 332.51				3.33				
		Labour for 13.093 kg				335.84				
		Labour for 1 kg				25.65	25.65			25.65
		Add Submountainous Region @ 10% i.e. on Rs. 25.65								2.57
										28.22
		cost per kg					84.78			87.35

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
	(b)	Exceeding 1 sqm but not exceeding 2 sqm								
			Unit : -	1	kg					
			Taking Output :	26.06	kg					
	I	MATERIALS								
	(a)	Upto 1 sqm area								
	i	FB-7 standard section Taking area 1.50x1.22 = 1.83 sqm								
		outer frame 2x1.50 = 3.00								
		. 2x1.22 = 2.44								
		. 5.44 M								
		Add wastage @ 5% 0.27								
		. 5.71 M								
		@ 1.532 kg/Metre 8.75 kg	qtl	0.0875	4284.21	374.87			12.89	
	ii	FB-4 standard section inner frame 2x2x1.18 = 4.72								
		. 2x2x0.73 = 2.92								
		. 7.64 M								
		Add wastage @ 5% 0.38								
		. 8.02 M								
		@ 2.16 kg/Metre 17.32 kg	qtl	0.1732	4284.21	742.02				
	iii	Steel Section T2 1x1.18 = 1.18 Metre	qtl	0.0122	4284.21	52.27				
		@ 1.034 kg/Metre 1.22 kg								
	iv	Hinges (Box Type)	each	4	8.00	32.00				
	v	Hold fast (300gm)	each	4	4.00	16.00				
	vi	Handles for S teel section windows	each	2	12.00	24.00				
	vii	Catcher/ Tower bolts	each	4	16.35	65.40				
	viii	Peg-Stay	each	2	25.00	50.00				
		Total-I				1356.56				
		Sundries @ 1% i.e. on Rs. 1356.56				13.57				
		Add contractor's profit @ 10% i.e. on Rs. 1370.13				137.01				
		Labour cess on cost of material @ 1% i.e. on Rs. 1507.14				15.07				
		Cost for 26.06 kg				1522.21				
		Cost for 1 kg				58.41	58.41			58.41
	II	LABOUR								
		Taking output 26.06 kg								
	(1)	Cutting the sections and making the frame and assembling complete								
	(i)	Black Smith	each	0.75	223.36	167.52				
	(ii)	Helper	each	0.5	136.69	68.35				
	(iii)	Welder	each	0.5	181.86	90.93				
		Total-II				326.80				
		Sunderies @ 1% i.e. on Rs. 326.8				3.27				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 330.07				70.97				
		Labour cess on cost of labour @ 1% i.e. on Rs. 401.04				4.01				

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
		Labour for 26.06 26.06				405.05				
		Labour for 1 kg				15.54	15.54			15.54
		Add Submountainous Region @ 10% i.e. on Rs. 15.54								1.55
										17.09
		cost per kg					73.95			75.50



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
18.21		Supplying fixed steel windows, of standard rolled steel Z-section joints mitred and electrically flash welded including iron lugs and glazing clips complete (including glazing and Finished with two coats of ready mixed paints, red lead, non setting primer								
		Unit : - 1 kg								
		Taking Output : 10.08 kg								
		Taking area 1.22x1.25= 1.563 sqm								
	I	MATERIALS								
(1)		FB-7 standard section outer frame 4x1.25 = 5.00 m								
		Add wastage @ 5% 0.25 m								
		5.25 M								
		@ 1.532 kg/Metre 8.04 kg	qtl	0.0804	4284.21	344.45				
(2)		Steel section T-2 2x1.21 = 2.42 M								
		@ 1.034 kg/Metre 2.50 kg	qtl	0.025	4284.21	107.11				
(3)		Hold fast (300gm)	each	4	4.00	16.00				
		Total-I				467.56				
		Sundries @ 1% i.e. on Rs. 467.56				4.68				
		Add contractor's profit @ 10% i.e. on Rs. 472.24				0.05				
		Labour cess on cost of material @ 1% i.e. on Rs. 472.29				4.72				
		Cost for 10.08 kg				477.01				
		Cost for 1 kg				47.32	47.32			47.32
	II	LABOUR								
		Taking output 10.54 kg								
(1)		Cutting the sections and making the frame and assembling								
(i)		Black Smith Ist Class	each	0.25	223.36	55.84				
(ii)		Helper	each	0.25	136.69	34.17				
(iii)		Welder	each	0.5	181.86	90.93				
		Total-II				180.94				
		Sunderies @ 1% i.e. on Rs. 180.94				1.81				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 182.75				39.29				
		Labour cess on cost of labour @ 1% i.e. on Rs. 222.04				2.22				
		Labour for 10.54 kg				224.26				
		Labour for 1 kg				21.28	21.28			21.28
		Add Submountainous Region @ 10% i.e. on Rs. 21.28								2.13
										23.41
		cost per kg					68.60			70.73

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
18.22		Fixing steel windows in walls with lugs, embedded in 15cmx12cmx7.5cm cement concrete blocks of 1:2:4 excluding of glass panes and cost of cement concrete for lugs								
		Unit : - 1 sqm								
		Taking Output : 0.625 sqm								
		Output 14 windows								
		Size 1.25Mx0.5M = 0.625 sqm								
I'		Labour								
		Taking output 8.750 sqm								
		For Concrete Block as per CSR 10.11 (ii)	cum	0.075	223.36	16.75				
(i)		Black Smith Ist Class	each	1	223.36	223.36				
(ii)		Mazdoor (Skilled) (Upper)	each	2	164.69	329.38				
		Total-II				569.49				
		Sunderies @ 1% i.e. on Rs. 569.49				5.69				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 575.18				123.66				
		Labour cess on cost of labour @ 1% i.e. on Rs. 698.84				6.99				
		Labour for 8.750 sqm				705.83				
		Labour for 1 sqm				80.67	80.67			80.67
		Add Submountainous Region @ 10% i.e. on Rs. 80.67								8.07
										88.74
		cost per sqm					80.67			88.74

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
18.23		Fixing steel window in walls with lugs, embedded in 15cmx12cmx7.5cm of cement concrete block of 1:2:4 mix including cost of cement concrete for lugs.								
			Unit : -	1	sqm					
			Taking Output :	8.750	sqm					
I'		MATERIALS								
		Output 14 windows								
		Size 1.25Mx0.5M = 0.625 sqm								
		Cement concrete Block 15cmx12cmx7.5cm Rate as per item No. 10.11 (i)								
		Total-I					140.29			
		Sundries @ 1% i.e. on Rs. 140.29					1.40			
		Add contractor's profit @ 10% i.e. on Rs. 141.69					14.17			
		Labour cess on cost of material @ 1% i.e. on Rs. 155.86					1.56			
		Cost for 8.750 sqm					157.42			
		Cost for 1 sqm					17.99	17.99		17.99
I'		Labour								
		Taking output 8.75 sqm								
		For Conc. Block 10.11 (ii)			cum	0.075	330.21	24.77		
(i)		Black Smith			each	1	223.36	223.36		
(ii)		Mazdoor (Skilled) (Upper)			each	2	164.69	329.38		
		Total-II					577.51			
		Sunderies @ 1% i.e. on Rs. 577.51					5.78			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 583.29					125.41			
		Labour cess on cost of labour @ 1% i.e. on Rs. 708.7					7.09			
		Labour for 8.75 sqm					715.79			
		Labour for 1 sqm					81.80	81.80		81.80
		Add Submountainous Region @ 10% i.e. on Rs. 81.8								8.18
										89.98
		Cost per sqm					99.79			107.97

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10

18.24 Supplying and fixing of Pressed steel sheet frames (Chowkat)  
 (i) consisting of 18 gauge (1.25mm) thick steel sheet of the specified section (standard design latest), including iron lugs (hold fasts) iron hinges conforming to PWD specifications including bolts for fixing steps, lock notch provision for receiveing tower bolts and finished with 2 coats of ready mixed painted lead non setting primer of approved quality, fixed in position including the cost of cement concrete 1:3:6 for fillings in the frame and cement concrete 1:2:4 for lugs complete

A Door and window frame of size 118mmx60mm with 40mm wide single rebate

Unit : - 1 mtr  
 Taking Output : 5 mtr

Chowkhat Length = 1 + 2 + 2 = 5 mtr

(i) MS Sheet 18 gauge 5 x 0.262 = 1.31 sqm  
 Add @ 10% Wastage and boxes for hinges, cleats, stopper, tower bolt and helical spring = 0.13 sqm

Total = 1.44 sqm

@9.80kg per sqm = 14.11 kg

(ii) 10mm dia MS bar foR S tiffners 2 x 1 = 2 mtr  
 @0.62 kg per mtr = 1.24 kg

(iii) 20mm x 3mm MS flat for boxes for hinges, cleats, stoper, tower bolt and helical spring = 0.70 mtr.

@0.47kg Per mtr. = 0.33 kg

(iv) 40 x 1.5mm thick MS flat for lugs = 6x0.2 = 1.20 mtr  
 @0.47 kg per mtr. = 0.56 kg

(v) 25 x 1.6mm thick MS flat for hinges locking arrangement and corner = 1.16 mtr @ 0.31kg Per mtr. = 0.36 kg

Fittings

(vi) Butt hinges 125mm long

(vii) For cleats 75mm

(viii) One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21

(ix) Cement Conc. 1:2:4 for fixing of lugs = 0.030 cum as per CSR Item No.10.11

(x) Cement Conc. 1:3:6 for Chowkats = 0.031cum as per CSR item No. 10.10

Total-I

qtl	0.1411	4700.21	663.20
qtl	0.0124	3868.21	47.97
qtl	0.0033	3814.37	12.59
qtl	0.0056	3814.37	21.36
qtl	0.0036	3814.37	13.73
each	3	28.44	85.32
each	1	13.65	13.65
sqm	1.19	5.56	6.62
sqm	0.030	1870.51	56.12
sqm	0.031	1591.02	49.32
			969.88

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
		Sundries @ 1% i.e. on Rs. 969.88				9.70				
		Add contractor's profit @ 10% i.e. on Rs. 979.58				97.96				
		Labour cess on cost of material @ 1% i.e. on Rs. 1077.54				10.78				
		Cost for 5 mtr				1088.32				
		Cost for 1 mtr				217.66	217.66			217.66
	II	LABOUR								
		Taking output 5 mtr								
	(i)	Fitter	each	0.5	223.36	111.68				
	(ii)	Blacksmith 2nd class	each	0.5	190.00	95.00				
	(iii)	Welder	each	0.5	181.86	90.93				
		LABOUR FOR FIXING CHOWKATS								
	(i)	Mason Ist Class	each	0.167	223.36	37.30				
	(ii)	Mazdoor (Skilled) (Upper)	each	0.167	164.69	27.50				
	iii	One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21	sqm	1.19	6.02	7.16				
		Total-II				369.57				
		Sunderies @ 1% i.e. on Rs. 369.57				3.70				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 373.27				80.25				
		Labour cess on cost of labour @ 1% i.e. on Rs. 453.52				4.54				
		Labour for 5 mtr				458.06				
		Labour for 1 mtr				91.61	91.61			91.61
		Add Submountainous Region @ 10% i.e. on Rs. 91.61								9.16
										100.77
		cost per mtr.					309.27			318.43

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
	(b)	Door and window frame of size 113mmx60mmx with 35mm wide single rebate								
			Unit : -	1	mtr					
			Taking Output :	5	mtr					
		Taking door 1.00Mx2.00M = 2.00or 5.00 running metre								
	I	MATERIALS								
		Chowkhat Length = 1 + 2 + 2 = 5 mtr								
	(i)	MS Sheet 18 gauge 5 x 0.257 = 1.285 sqm								
		Add @10% Wastage and boxes for hinges, cleats, stopper, tower bolt and helical spring = 0.128 sqm								
		Total = 1.413 sqm								
		@9.80kg per sqm = 13.85 kg	qtl	0.1385	4700.21	650.98				
	(ii)	10mm dia MS bar foR S tiffners 2 x 1 = 2 mtr	qtl	0.0124	3868.21	47.97				
		@0.62 kg per mtr = 1.24 kg								
	(iii)	20mm x 3mm MS flat for boxes for hinges, cleats, stopper, tower bolt and helical spring = 0.70 mtr.	qtl	0.0033		12.59				
		@0.47kg Per mtr. = 0.33 kg				3814.37				
	(iv)	40 x 1.5mm thick MS flat for lugs = 6x0.2 = 1.20	qtl	0.0056	3814.37	21.36				
		@0.47 kg per mtr. = 0.56 kg								
	(v)	25 x 1.6mm thick MS flat for hinges locking arrangement and corner = 1.16 mtr @ 0.31kg Per mtr. = 0.36 kg	qtl	0.0036	3814.37	13.73				
		Fittings								
	(vi)	Butt hinges 125mm	each	3	28.44	85.32				
	(vii)	Butt hinges for cleats 75mm	each	1	13.65	13.65				
	(viii)	One coat of Primer 5 x 0.233= 1.165 sqm as per CSR item 16.21	sqm	1.165	5.56	6.48				
	(ix)	Cement Conc. 1:2:4 for fixing of lugs = 0.030 cum as per CSR Item No.10.11	sqm	0.030	1870.51	56.12				
	(x)	Cement Conc. 1:3:6 for Chowkats = 0.030cum as per CSR item No. 10.10	sqm	0.030	1591.02	47.73				
		Total-I					955.93			
		Sundries @ 1% i.e. on Rs. 955.93					9.56			
		Add contractor's profit @ 10% i.e. on Rs. 965.49					96.55			
		Labour cess on cost of material @ 1% i.e. on Rs. 1062.04					10.62			
		Cost for	5	mtr		1072.66				
		Cost for	1	mtr		214.53	214.53			214.53
	II	LABOUR								
		Taking output	5	mtr						
	(i)	Fitter	each	0.5	223.36	111.68				
	(ii)	Blacksmith 2nd class	each	0.5	190.00	95.00				
	(iii)	Welder	each	0.5	181.86	90.93				
		LABOUR FOR FIXING CHOWKATS								

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
	(i)	Mason Ist Class	each	0.167	223.36	37.30				
	(ii)	Mazdoor (Skilled) (Upper)	each	0.167	164.69	27.50				
	iii	One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21	sqm	1.165	6.02	7.01				
		Total-II				369.42				
		Sunderies @ 1% i.e. on Rs. 369.42				3.69				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 373.11				80.22				
		Labour cess on cost of labour @ 1% i.e. on Rs. 453.33				4.53				
		Labour for 5 mtr				457.86				
		Labour for 1 mtr				91.57	91.57			91.57
		Add Submountainous Region @ 10% i.e. on Rs. 91.57								9.16
										100.73
		cost per mtr.					306.10			315.26

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
	(c)	Door and window frame of size 151mm x60mm with 35mm wide double rebate								
			Unit : -	1	mtr					
			Taking Output :	5	mtr					
	I	MATERIALS								
		Taking door 1.00mx2.00m = 2.00 sqm or 5.00 running metre								
		Chowkhat Length = 1 + 2 + 2 = 5 mtr								
	(i)	MS Sheet 18 gauge 5 x 0.295 = 1.475 sqm								
		Add @ 10% Wastage and boxes for hinges, cleats, stopper, tower bolt and helical spring = 0.147 sqm								
		Total = 1.662 sqm								
		@9.80kg per sqm = 15.89 kg	qtl	0.1589	4700.21	746.86				
	(ii)	10mm dia MS bar foR S tiffners 2 x 1 = 2 mtr	qtl	0.0124	3868.21	47.97				
		@0.62 kg per mtr = 1.24 kg								
	(iii)	20mm x 3mm MS flat for boxes for hinges, cleats, stopper, tower bolt and helical spring = 1.26 mtr.	qtl	0.0059		22.50				
		@0.47kg Per mtr. = 0.59 kg			3814.37					
	(iv)	40 x 1.5mm thick MS flat for lugs = 6x0.2 = 1.20	qtl	0.0056		21.36				
		@0.47 kg per mtr. = 0.56 kg			3814.37					
	(v)	25 x 1.6mm thick MS flat for hinges locking arrangement and corner = 1.74 mtr @ 0.31kg Per mtr. = 0.54 kg	qtl	0.0054		20.60				
		Fittings								
	(vi)	Butt hinges 125mm	each	6	28.44	170.64				
	(vii)	Butt hinges for cleats 75mm	each	2	13.65	27.30				
	(viii)	One coat of Primer 5 x 0.271= 1.355 sqm as per CSR item 16.21	sqm	1.355	5.56	7.53				
	(ix)	Cement Conc. 1:2:4 for fixing of lugs = 0.030 cum as per CSR Item No.10.11	sqm	0.030	1870.51	56.12				
	(x)	Cement Conc. 1:3:6 for Chowkats = 0.038cum as per CSR item No. 10.10	sqm	0.038	1591.02	60.46				
		Total-I					1181.34			
		Sundries @ 1% i.e. on Rs. 1181.34					11.81			
		Add contractor's profit @ 10% i.e. on Rs. 1193.15					119.32			
		Labour cess on cost of material @ 1% i.e. on Rs. 1312.47					13.12			
		Cost for	5	mtr		1325.59				
		Cost for	1	mtr		265.12	265.12			265.12
	II	LABOUR								
		Taking output	5	mtr						
	(i)	Fitter	each	0.5	223.36	111.68				
	(ii)	Blacksmith 2nd class	each	0.5	190.00	95.00				



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
	(iii)	Welder	each	0.5	181.86	90.93				
		LABOUR FOR FIXING CHOWKATS								
	(i)	Mason Ist Class	each	0.167	223.36	37.30				
	(ii)	Mazdoor (Skilled) (Upper)	each	0.167	164.69	27.50				
	iii	One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21	sqm	1.355	6.02	8.16				
		Total-II				370.57				
		Sunderies @ 1% i.e. on Rs. 370.57				3.71				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 374.28				80.47				
		Labour cess on cost of labour @ 1% i.e. on Rs. 454.75				4.55				
		Labour for 5 mtr				459.30				
		Labour for 1 mtr				91.86	91.86			91.86
		Add Submountainous Region @ 10% i.e. on Rs. 91.86								9.19
										101.05
		cost per mtr.					356.98			366.17

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
(d)		Door and window frame of size 161mmx60mm with 35mm vide double rebate								
			Unit : -	1	mtr					
			Taking Output :	5	mtr					
		Taking door 1.00Mx2.00M = 2.00or 5.00 running metre								
		Chowkhat Length = 1 + 2 + 2 = 5 mtr								
I		MATERIALS								
(i)		MS Sheet 18 gauge 5 x 0.305 = 1.525 sqm								
		Add @ 10% Wastage and boxes for hinges, cleats, stopper, tower bolt and helical spring = 0.152 sqm								
		Total = 1.677 sqm								
		@9.80kg per sqm = 16.43 kg	qtl	0.1643	4700.21	772.24				
(ii)		10mm dia MS bar foR S tiffners 2 x 1 = 2 mtr	qtl	0.0124	3868.21	47.97				
		@0.62 kg per mtr = 1.24 kg								
(iii)		20mm x 3mm MS flat for boxes for hinges, cleats, stoper, tower bolt and helical spring = 1.26 mtr.	qtl	0.0059		22.50				
		@0.47kg Per mtr. = 0.59 kg			3814.37					
(iv)		40 x 1.5mm thick MS flat for lugs = 6x0.2 = 1.20	qtl	0.0056	3814.37	21.36				
		@0.47 kg per mtr. = 0.56 kg								
(v)		25 x 1.6mm thick MS flat for hinges locking arrangement and corner = 1.74 mtr @ 0.31kg Per mtr. = 0.54 kg	qtl	0.0054	3814.37	20.60				
		Fittings								
(vi)		Butt hinges 125mm	each	6	28.44	170.64				
(vii)		Butt hinges for cleats 75mm	each	2	13.65	27.30				
(viii)		One coat of Primer 5 x 0.281= 1.405 sqm as per CSR item 16.21	sqm	1.405	5.56	7.81				
(ix)		Cement Conc. 1:2:4 for fixing of lugs = 0.030 cum as per CSR Item No.10.11	sqm	0.030	1870.51	56.12				
(x)		Cement Conc. 1:3:6 for Chowkats = 0.040cum as per CSR item No. 10.10	sqm	0.040	1591.02	63.64				
		Total-I					1210.18			
		Sundries @ 1% i.e. on Rs. 1210.18					12.10			
		Add contractor's profit @ 10% i.e. on Rs. 1222.28					122.23			
		Labour cess on cost of material @ 1% i.e. on Rs. 1344.51					13.45			
		Cost for	5	mtr		1357.96				
		Cost for	1	mtr		271.59	271.59			271.59
II		LABOUR								
		Taking output	5	mtr						
(i)		Fitter	each	0.5	223.36	111.68				
(ii)		Blacksmith 2nd class	each	0.5	190.00	95.00				
(iii)		Welder	each	0.5	181.86	90.93				
		LABOUR FOR FIXING CHOWKATS								

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
	(i)	Mason Ist Class	each	0.167	223.36	37.30				
	(ii)	Mazdoor (Skilled) (Upper)	each	0.167	164.69	27.50				
	iii	One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21	sqm	1.405	6.02	8.46				
		Total-II				370.87				
		Sunderies @ 1% i.e. on Rs. 370.87				3.71				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 374.58				80.53				
		Labour cess on cost of labour @ 1% i.e. on Rs. 455.11				4.55				
		Labour for 5 mtr				459.66				
		Labour for 1 mtr				91.93	91.93			91.93
		Add Submountainous Region @ 10% i.e. on Rs. 91.93								9.19
										101.12
		cost per mtr.					363.52			372.71

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.24		Supplying Pressed steel sheet frames (Chowkat) consisting of								
	(ii)	18gauge (1.25 mm thick steel sheet of the specified section, including iron hugs (hold fast) iron hugs conforming to PWD specification including bolts for fixing stops lock notch provision for receiveing tower bolts and finished with 1 primer coat approved quality, fixed in position excluding the cost of cement concrete 1:3:6 for fillings in the frame and cement concrete 1:2:4 for lugs complete								
A		Door and window frame of size 118mmx60mm with 40mm wide single rebate								
		Unit : - 1 mtr								
		Taking Output : 5 mtr								
		Chowkhat Length = 1 + 2 + 2 = 5 mtr								
(i)		MS Sheet 18 gauge 5 x 0.262 = 1.31 sqm								
		Add @ 10% Wastage and boxes for hinges, cleats, stopper, tower bolt and helical spring = 0.13 sqm								
		Total = 1.44 sqm								
		@9.80kg per sqm = 14.11 kg	qtl	0.1411	4700.21	663.20				
(ii)		10mm dia MS bar foR S tiffners 2 x 1 = 2 mtr	qtl	0.0124	3868.21	47.97				
		@0.62 kg per mtr = 1.24 kg								
(iii)		20mm x 3mm MS flat for boxes for hinges, cleats, stoper, tower bolt and helical spring = 0.70 mtr.	qtl	0.0033		12.59				
		@0.47kg Per mtr. = 0.33 kg			3814.37					
(iv)		40 x 1.5mm thick MS flat for lugs = 6x0.2 = 1.20 mtr	qtl	0.0056	3814.37	21.36				
		@0.47 kg per mtr. = 0.56 kg								
(v)		25 x 1.6mm thick MS flat for hinges locking arrangement and corner = 1.16 mtr @ 0.31kg Per mtr. = 0.36 kg	qtl	0.0036	3814.37	13.73				
		Fittings								
(vi)		Butt hinges 125mm	each	3	28.44	85.32				
(vii)		Butt hinges for cleats 75mm	each	1	13.65	13.65				
(viii)		One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21	sqm	1.19	5.56	6.62				
		Total-I				864.44				
		Sundries @ 1% i.e. on Rs. 864.44				8.64				
		Add contractor's profit @ 10% i.e. on Rs. 873.08				87.31				
		Labour cess on cost of material @ 1% i.e. on Rs. 960.39				9.60				
		Cost for 5 mtr				969.99				
		Cost for 1 mtr				194.00	194.00			194.00
II		LABOUR								
		Taking output 5 mtr								
(i)		Fitter	each	0.5	223.36	111.68				
(ii)		Blacksmith 2nd class	each	0.5	190.00	95.00				

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
	(iii)	Welder	each	0.5	181.86	90.93				
		LABOUR FOR FIXING CHOWKATS								
	(i)	Mason Ist Class	each	0.167	223.36	37.30				
	(ii)	Mazdoor (Skilled) (Upper)	each	0.167	164.69	27.50				
	iii	One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21	sqm	1.19	6.02	7.16				
		Total-II				369.57				
		Sunderies @ 1% i.e. on Rs. 369.57				3.70				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 373.27				80.25				
		Labour cess on cost of labour @ 1% i.e. on Rs. 453.52				4.54				
		Labour for 5 mtr				458.06				
		Labour for 1 mtr				91.61	91.61			91.61
		Add Submountainous Region @ 10% i.e. on Rs. 91.61								9.16
										100.77
		cost per mtr.					285.61			294.77

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
	(b)	Door and window frame of size 113mmx60mmx with 35mm wide single rebate								
			Unit : -	1	mtr					
			Taking Output :	5	mtr					
		Taking door 1.00Mx2.00M = 2.00or 5.00 running metre								
	I	MATERIALS								
		Chowkhat Length = 1 + 2 + 2 = 5 mtr								
	(i)	MS Sheet 18 gauge 5 x 0.257 = 1.285 sqm								
		Add @ 10% Wastage and boxes for hinges, cleats, stopper, tower bolt and helical spring = 0.128 sqm								
		Total = 1.413 sqm								
		@9.80kg per sqm = 13.85 kg	qtl	0.1385	4700.21	650.98				
	(ii)	10mm dia MS bar foR S tiffners 2 x 1 = 2 mtr	qtl	0.0124	3868.21	47.97				
		@0.62 kg per mtr = 1.24 kg								
	(iii)	20mm x 3mm MS flat for boxes for hinges, cleats, stoper, tower bolt and helical spring = 0.70 mtr.	qtl	0.0033		12.59				
		@0.47kg Per mtr. = 0.33 kg			3814.37					
	(iv)	40 x 1.5mm thick MS flat for lugs = 6x0.2 = 1.20	qtl	0.0056		21.36				
		@0.47 kg per mtr. = 0.56 kg			3814.37					
	(v)	25 x 1.6mm thick MS flat for hinges locking arrangement and corner = 1.16 mtr @ 0.31kg Per mtr. = 0.36 kg	qtl	0.0036		13.73				
		Fittings								
	(vi)	Butt hinges 125mm	each	3	28.44	85.32				
	(vii)	Butt hinges for cleats 75mm	each	1	13.65	13.65				
	(viii)	One coat of Primer 5 x 0.233= 1.165 sqm as per CSR item 16.21	sqm	1.165	5.56	6.48				
		Total-I					852.08			
		Sundries @ 1% i.e. on Rs. 852.08					8.52			
		Add contractor's profit @ 10% i.e. on Rs. 860.6					86.06			
		Labour cess on cost of material @ 1% i.e. on Rs. 946.66					9.47			
			Cost for	5	mtr		956.13			
			Cost for	1	mtr		191.23	191.23		191.23
	II	LABOUR								
		Taking output	5	mtr						
	(i)	Fitter	each	0.5	223.36	111.68				
	(ii)	Blacksmith 2nd class	each	0.5	190.00	95.00				
	(iii)	Welder	each	0.5	181.86	90.93				
		LABOUR FOR FIXING CHOWKATS								
	(i)	Mason Ist Class	each	0.167	223.36	37.30				
	(ii)	Mazdoor (Skilled) (Upper)	each	0.167	164.69	27.50				
	iii	One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21	sqm	1.19	6.02	7.16				

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
		Total-II				369.57				
		Sunderies @ 1% i.e. on Rs. 369.57				3.70				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 373.27				80.25				
		Labour cess on cost of labour @ 1% i.e. on Rs. 453.52				4.54				
		Labour for 5 mtr				458.06				
		Labour for 1 mtr				91.61	91.61			91.61
		Add Submountainous Region @ 10% i.e. on Rs. 91.61								9.16
										100.77
		cost per mtr					282.84			292.00

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
(c)		Door and window frame of size 151mm x60mm with 35mm wide double rebate								
			Unit : -	1	mtr					
			Taking Output :	5	mtr					
I		MATERIALS								
		Taking door 1.00mx2.00m = 2.00 sqm or 5.00 running metre								
		Chowkhat Length = 1 + 2 + 2 = 5 mtr								
(i)		MS Sheet 18 gauge 5 x 0.295 = 1.475 sqm								
		Add @ 10% Wastage and boxes for hinges, cleats, stopper, tower bolt and helical spring = 0.147 sqm								
		Total = 1.662 sqm								
		@9.80kg per sqm = 15.89 kg	qtl	0.1589	4700.21	746.86				
(ii)		10mm dia MS bar for S. stiffeners 2 x 1 = 2 mtr	qtl	0.0124	3868.21	47.97				
		@0.62 kg per mtr = 1.24 kg								
(iii)		20mm x 3mm MS flat for boxes for hinges, cleats, stopper, tower bolt and helical spring = 1.26 mtr.	qtl	0.0059		22.50				
		@0.47kg Per mtr. = 0.59 kg			3814.37					
(iv)		40 x 1.5mm thick MS flat for lugs = 6x0.2 = 1.20	qtl	0.0056		21.36				
		@0.47 kg per mtr. = 0.56 kg			3814.37					
(v)		25 x 1.6mm thick MS flat for hinges locking arrangement and corner = 1.74 mtr @ 0.31kg Per mtr. = 0.54 kg	qtl	0.0054		20.60				
		Fittings								
(vi)		Butt hinges 125mm	each	6	28.44	170.64				
(vii)		Butt hinges for cleats 75mm	each	2	13.65	27.30				
(viii)		One coat of Primer 5 x 0.271= 1.355 sqm as per CSR item 16.21	sqm	1.355	5.56	7.53				
		Total-I					1064.76			
		Sundries @ 1% i.e. on Rs. 1064.76					10.65			
		Add contractor's profit @ 10% i.e. on Rs. 1075.41					107.54			
		Labour cess on cost of material @ 1% i.e. on Rs. 1182.95					11.83			
		Cost for	5	mtr		1194.78				
		Cost for	1	mtr		238.96	238.96			238.96
II		LABOUR								
		Taking output	5	mtr						
(i)		Fitter	each	0.5	223.36	111.68				
(ii)		Blacksmith 2nd class	each	0.5	190.00	95.00				
(iii)		Welder	each	0.5	181.86	90.93				
		LABOUR FOR FIXING CHOWKATS								
(i)		Mason Ist Class	each	0.167	223.36	37.30				
(ii)		Mazdoor (Skilled) (Upper)	each	0.167	164.69	27.50				
iii		One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21	sqm	1.355	6.02	8.16				



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
		Total-II				370.57				
		Sunderies @ 1% i.e. on Rs. 370.57				3.71				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 374.28				80.47				
		Labour cess on cost of labour @ 1% i.e. on Rs. 454.75				4.55				
		Labour for 5 mtr				459.30				
		Labour for 1 mtr				91.86	91.86			91.86
		Add Submountainous Region @ 10% i.e. on Rs. 91.86								9.19
										101.05
		cost per mtr					330.82			340.01

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
(d)		Door and window frame of size 161mmx60mm with 35mm vide double rebate								
			Unit : -	1	mtr					
			Taking Output :	5	mtr					
		Taking door 1.00Mx2.00M = 2.00or 5.00 running metre								
		Chowkhat Length = 1 + 2 + 2 = 5 mtr								
I		MATERIALS								
(i)		MS Sheet 18 gauge 5 x 0.305 = 1.525 sqm								
		Add @ 10% Wastage and boxes for hinges, cleats, stopper, tower bolt and helical spring = 0.152 sqm								
		Total = 1.677 sqm								
		@9.80kg per sqm = 16.43 kg	qtl	0.1643	4700.21	772.24				
(ii)		10mm dia MS bar foR S tiffners 2 x 1 = 2 mtr	qtl	0.0124	3868.21	47.97				
		@0.62 kg per mtr = 1.24 kg								
(iii)		20mm x 3mm MS flat for boxes for hinges, cleats, stopper, tower bolt and helical spring = 1.26 mtr.	qtl	0.0059		22.50				
		@0.47kg Per mtr. = 0.59 kg			3814.37					
(iv)		40 x 1.5mm thick MS flat for lugs = 6x0.2 = 1.20	qtl	0.0056		21.36				
		@0.47 kg per mtr. = 0.56 kg			3814.37					
(v)		25 x 1.6mm thick MS flat for hinges locking arrangement and corner = 1.74 mtr @ 0.31kg Per mtr. = 0.54 kg	qtl	0.0054		20.60				
		Fittings								
(vi)		Butt hinges 125mm	each	6	28.44	170.64				
(vii)		Butt hinges for cleats 75mm	each	2	13.65	27.30				
(viii)		One coat of Primer 5 x 0.281= 1.405 sqm as per CSR item 16.21	sqm	1.405	5.56	7.81				
		Total-I					1090.42			
		Sundries @ 1% i.e. on Rs. 1090.42					10.90			
		Add contractor's profit @ 10% i.e. on Rs. 1101.32					110.13			
		Labour cess on cost of material @ 1% i.e. on Rs. 1211.45					12.11			
		Cost for	5	mtr		1223.56				
		Cost for	1	mtr		244.71	244.71			244.71
II		LABOUR								
		Taking output	5	mtr						
(i)		Fitter	each	0.5	223.36	111.68				
(ii)		Blacksmith 2nd class	each	0.5	190.00	95.00				
(iii)		Welder	each	0.5	181.86	90.93				
		LABOUR FOR FIXING CHOWKATS								
(i)		Mason Ist Class	each	0.167	223.36	37.30				
(ii)		Mazdoor (Skilled) (Upper)	each	0.167	164.69	27.50				
iii		One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21	sqm	1.405	6.02	8.46				

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
		Total-II				370.87				
		Sunderies @ 1% i.e. on Rs. 370.87				3.71				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 374.58				80.53				
		Labour cess on cost of labour @ 1% i.e. on Rs. 455.11				4.55				
		Labour for 5 mtr				459.66				
		Labour for 1 mtr				91.93	91.93			91.93
		Add Submountainous Region @ 10% i.e. on Rs. 91.93								9.19
										101.12
		cost per mtr					336.64			345.83

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
18.25		Supplying and fixing glass panes with glazing clips and special metal sash putty of approved make.								
	(a)	Glass panes 3mm or 8.44 kg per sqm upto 0.4 sqm area								
		Unit : - 1 sqm								
		Taking Output : 14 sqm								
	I	MATERIALS								
		Taking output 14 sqm								
	(i)	Glass panes 3mm 14.00 sqm								
		Wastage @ 10% 1.40 sqm								
		Total 15.40 sqm								
	(ii)	Putty etc	sqm	15.40	255.00	3927.00				
		Total-I	kg	14.00	113.75	1592.50				
						5519.50				
		Sundries @ 1% i.e. on Rs. 5519.5				55.20				
		Add contractor's profit @ 10% i.e. on Rs. 5574.7				557.47				
		Labour cess on cost of material @ 1% i.e. on Rs. 6132.17				61.32				
		Cost for 14 sqm				6193.49				
		Cost for 1 sqm				442.39	442.39			442.39
	II	LABOUR								
		Taking output 14 sqm								
	(i)	Glazier (Glassman)	each	0.50	164.69	82.35				
		Total-II				82.35				
		Sunderies @ 1% i.e. on Rs. 82.35				0.82				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 83.17				17.88				
		Labour cess on cost of labour @ 1% i.e. on Rs. 101.05				1.01				
		Labour for 14 sqm				102.06				
		Labour for 1 sqm				7.29	7.29			7.29
		Add Submountainous Region @ 10% i.e. on Rs. 7.29								0.73
										8.02
		cost per Sqm					449.68			450.41

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
		(b) Glass panes 4mm or 10.75 kg / sqm exceeding 0.4 sqm of area								
			Unit : -	1	sqm					
			Taking Output :	14	sqm					
	I	MATERIALS								
		Taking put 14 sqm								
	(i)	Glass panes 4mm	14.00 sqm							
		Wastage @ 10%	1.40 sqm							
		Total	15.40 sqm							
	(ii)	Putty etc		sqm	15.40	310.00	4774.00			
		Total-I		kg	14.00	113.75	1592.50			
							6366.50			
		Sundries @ 1% i.e. on Rs. 6366.5					63.67			
		Add contractor's profit @ 10% i.e. on Rs. 6430.17					643.02			
		Labour cess on cost of material @ 1% i.e. on Rs. 7073.19					70.73			
		Cost for 14 sqm					7143.92			
		Cost for 1 sqm					510.28			510.28
	II	LABOUR								
		Taking output	14	sqm						
	(i)	Same as per item No. 18.25 a (ii)					82.35			
		Total-II					82.35			
		Sunderies @ 1% i.e. on Rs. 82.35					0.82			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 83.17					17.88			
		Labour cess on cost of labour @ 1% i.e. on Rs. 101.05					1.01			
		Labour for 14 sqm					102.06			
		Labour for 1 sqm					7.29			7.29
		Add Submountainous Region @ 10% i.e. on Rs. 7.29								0.73
										8.02
		cost per sqm					517.57			518.30

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
18.26		Extra for providing & fixing Steel beading of approved shape and section with screw for fixing of glass panes in stead of glazing clips and metal slash putty in steel doors , windows & Ventilators complete in all respect								
		Unit : -	1	mtr						
		Taking Output :	1	mtr						
	I	MATERIALS								
	i)	Supply of MS beading = 1.00 mtr								
		Add 10% wastage = 0.10 mtr								
		Total 1.10 mtr								
		@20 per mtr.		mtr.	1.10	20.00	22.00			
		Total-I					22.00			
		Sundries @ 1% i.e. on Rs. 22					0.22			
		Add contractor's profit @ 10% i.e. on Rs. 22.22					2.22			
		Labour cess on cost of material @ 1% i.e. on Rs. 24.44					0.24			
		Cost for	1	mtr			24.68			
		Cost for	1	mtr			24.68		24.68	24.68
	II	LABOUR								
		Taking output	1	mtr						
	(i)	Fitter		each	0.025	223.36	5.58			
	(ii)	Welder		each	0.025	181.86	4.55			
		Total-II					10.13			
		Sundries @ 1% i.e. on Rs. 10.13					0.10			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 10.23					2.20			
		Labour cess on cost of labour @ 1% i.e. on Rs. 12.43					0.12			
		Labour for	1	mtr			12.55			
		Labour for	1	mtr			12.55		12.55	12.55
		Add Submountainous Region @ 10% i.e. on Rs. 12.55								1.26
										13.81
		cost per mtr					37.23			38.49

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
18.27		Wire gauge fixed in steel windows, of standard rolled steel section with 3mm thick flat iron cover moulding of 12.5 mm width, fixed with machine screws, complete in all respects.								
		Unit : - 1 sqm								
		Taking Output : 0.50 sqm								
I		MATERIALS								
		Taking size of window 1.00mx 0.5m = 0.50 sqm								
(i)		MS Flat 12.5x3mm = 2.975 mtr								
		Add wastage @ 5% = 0.150 mtr								
		. = 3.125 metre								
		@ 0.293 kg/Metre 3.125x0.293 kg = 0.916 kg or 0.0092 qtl	qtl	0.0092	3814.37	35.09				
(ii)		Wire gauge 140g 1.00x0.50 = 0.50 sqm								
		Add wastage @ 10% = 0.05 sqm								
		Total = 0.55 sqm	sqm	0.55	255.70	140.64				
		Total-I				175.73				
		Sundries @ 1% i.e. on Rs. 175.73				1.76				
		Add contractor's profit @ 10% i.e. on Rs. 177.49				17.75				
		Labour cess on cost of material @ 1% i.e. on Rs. 195.24				1.95				
		Cost for 0.50 sqm				197.19				
		Cost for 1 sqm				394.38	394.38			394.38
II		LABOUR								
		Taking output 0.50 sqm								
(i)		Black smith 2nd class	each	0.25	190.00	47.50				
(ii)		Mazdoor (Skilled) (Upper)	each	0.25	164.69	41.17				
		Total-II				88.67				
		Sundries @ 1% i.e. on Rs. 88.67				0.89				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 89.56				19.26				
		Labour cess on cost of labour @ 1% i.e. on Rs. 108.82				1.09				
		Labour for 0.50 sqm				109.91				
		Labour for 1 sqm				219.82	219.82			219.82
		Add Submountainous Region @ 10% i.e. on Rs. 219.82								21.98
										241.80
		cost per sqm					614.20			636.18

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10

18.28 Welding by gas or by electric plant, including carriage to and from workshop etc.

Unit : - 1 cum

MATERIAL

Rate per cum including cost of welding rod, gas and electric energy	cum	2.40	2.40	2.40
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Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.29		Providing and fixing M.S. angle iron 40x40x6mm chowkat including iron hold fasts butt hinges fixed in position, finished with red lead non setting primer complete in all respect								
		Unit : - 1 kgs								
		Taking Output : 18.45 kgs								
(a)		FoR S ingle rebate								
		Taking area 1.07x2.06 = 2.204 sqm								
I		MATERIALS								
(i)		M.S. Angle 40mmx40mmx6mm side 2x2.10 = 4.20 metre								
		Top 1x1.07 = 1.07								
		Total = 5.27 metre								
		Add wastage @ 5% 0.26								
		Total = 5.53 meter								
		@ 3.5 kg/meter = 19.35 kg Or 0.1935 qtl	qtl	0.1935	3814.37	738.08				
(ii)		Iron fittings								
(i)		Hold fast = 300 gm	each	4	4.00	16.00				
(ii)		Butt hinges 100mm cleat	each	6	20.48	122.88				
(iii)		Butt hinges 75mm for cleat	each	2	13.65	27.30				
		Total-I				904.26				
		Sundries @ 1% i.e. on Rs. 904.26				9.04				
		Add contractor's profit @ 10% i.e. on Rs. 913.3				91.33				
		Labour cess on cost of material @ 1% i.e. on Rs. 1004.63				10.05				
		Cost for 18.45 kgs				1014.68				
		Cost for 1 kgs				55.00	55.00			55.00
II		LABOUR								
		Taking output 18.45 kgs								
(i)		Blacksmith Ist class	each	0.5	223.36	111.68				
(ii)		Welder	each	0.5	181.86	90.93				
		Total-II				202.61				
		Sunderies @ 1% i.e. on Rs. 202.61				2.03				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 204.64				44.00				
		Labour cess on cost of labour @ 1% i.e. on Rs. 248.64				2.49				
		Labour for 18.45 kgs				251.13				
		Labour for 1 kgs				13.61	13.61			13.61
		Add Submountainous Region @ 10% i.e. on Rs. 13.61								1.36
										14.97
		cost per kg					68.61			69.97

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
	(b)	For double rebate								
			Unit : -	1	kq					
			Taking Output :	36.89	kgs					
		Taking area 1.07x2.06 = 2.204 sqm								
	I	MATERIALS								
	(i)	M.S. Angle 40mmx40mmx6mm side2x 2x2.10 = 8.40 metre								
		Top 2x1.07 = 2.14								
		Total = 10.54 metre								
		Add wastage @ 5% 0.53								
		Total = 11.07 meter								
		@ 3.5 kg/meter = 38.75 kg Or 0.3875 qtl		0.3875	3814.37	1478.07				
	(ii)	M.S. Flat size 32x5 mm								
		Side 2x2.10 = 4.20								
		Top 1x1.07 = 1.07								
		Total = 5.27 metre								
		Add wastage @ 5% 0.26								
		Total = 5.53 meter								
		@ 1.30 kg/meter = 7.19 kg Or 0.0719 qtl		0.0719	3650.00	262.44				
		Fittings								
	(i)	Hold fast = 300 gm	each	4	4.00	16.00				
	(ii)	Butt hinges 100mm cleat	each	12	20.48	245.76				
	(iii)	Butt hinges 75mm for cleat	each	4	13.65	54.60				
		Total-I				2056.87				
		Sundries @ 1% i.e. on Rs. 2056.87				20.57				
		Add contractor's profit @ 10% i.e. on Rs. 2077.44				207.74				
		Labour cess on cost of material @ 1% i.e. on Rs. 2285.18				22.85				
		Cost for 36.89 kgs				2308.03				
		Cost for 1 kg				62.57	62.57			62.57
	II	LABOUR								
		Taking output 36.89 kgs								
	(i)	Blacksmith Ist class	each	1	223.36	223.36				
	(ii)	Welder	each	1	181.86	181.86				
		Total-II				405.22				
		Sundries @ 1% i.e. on Rs. 405.22				4.05				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 409.27				87.99				
		Labour cess on cost of labour @ 1% i.e. on Rs. 497.26				4.97				
		Labour for 36.89 kgs				502.23				
		Labour for 1 kg				13.61	13.61			13.61
		Add Submountainous Region @ 10% i.e. on Rs. 13.61								1.36
										14.97
		cost per kg					76.18			77.54

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
18.30		Providing and fixing stair case railing made out of M.S. Square bars 20x20mm as vertical cost 0.70 metre high fixed with M.S. Base plate of 40mmx40mmx6mm and flat iron 40mmx6mm as hand rail complete in all respects.								
		Unit : - 1 mtr								
		Taking Output : 3.05 mtr								
		Taking length 3.05 metre								
	I	MATERIALS								
	(i)	M.S. Square bars 20x20mm								
		for S teps 13 No.x0.80 = 10.40 Metre								
		Add @ 5% wastage = 0.52 Metre								
		. 10.92 metre								
		@ 3.14 kg/ metre = 34.29 kg	qtl	0.3429	4107.41	1408.43				
	(ii)	M.S. Flat 40x6mm								
		For railing 1x3.05 = 3.05 Metre								
		For base plate 13 No.x40mm = 0.52 metre								
		. = 3.57 metre								
		Add @ 5% wastage = 0.17 Metre								
		. = 3.74 Meter								
		@ 1.90 kg/ Metre = 7.10 kg	qtl	0.071	3814.37	270.82				
		Total-I				1679.25				
		Sundries @ 1% i.e. on Rs. 1679.25				16.79				
		Add contractor's profit @ 10% i.e. on Rs. 1696.04				169.60				
		Labour cess on cost of material @ 1% i.e. on Rs. 1865.64				18.66				
		Cost for 3.05 mtr				1884.30				
		Cost for 1 mtr				617.80	617.80			617.80
	II	LABOUR								
		Taking output 3.05 mtr								
	(i)	Blacksmith 2nd class	each	0.5	190.00	95.00				
	(ii)	Welder	each	1	181.86	181.86				
		Total-II				276.86				
		Sunderies @ 1% i.e. on Rs. 276.86				2.77				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 279.63				60.12				
		Labour cess on cost of labour @ 1% i.e. on Rs. 339.75				3.40				
		Labour for 3.05 mtr				343.15				
		Labour for 1 mtr				112.51	112.51			112.51
		Add Submountainous Region @ 10% i.e. on Rs. 112.51								11.25
										123.76
		cost per mtr.					730.31			741.56

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
18.31		Providing & Fixing of 10 gauge welded mesh of 25mm x 25mm size fixed on steel glazing with MS flat 20mm x 6mm beeding complete in all respect including painting two coats with Synthetic Enamel Paint and Priming Coat								
		Unit : - 1 sqm								
		Taking Output : 0.90 sqm								
		Unit = 1.20 x 0.75 = 0.90 sqm								
A		MATERIAL								
(i)		Welded mesh 10 gauge	sqm	0.90	223.81	201.43				
(ii)		MS flat 20mmx 6mm size for beading = 2 x(1.0+0.75)= 3.50 mtr. @0.95 kg per mtr = 3.32 kg	qtl	0.0332		126.64				
					3814.37					
(iii)		One coat of Primer Coat as per CSR 16.21	sqm	0.9	5.56	5.00				
(ii)		Two coat of Enamel Paint as per CSR 16.22	sqm	0.9	25.55	23.00				
		Total-I				356.07				
		Sundries @ 1% i.e. on Rs. 356.07				3.56				
		Add contractor's profit @ 10% i.e. on Rs. 359.63				35.96				
		Labour cess on cost of material @ 1% i.e. on Rs. 395.59				3.96				
		Cost for 0.90 sqm				399.55				
		Cost for 1 sqm				443.94	443.94			443.94
II		LABOUR								
		Taking output 0.90 sqm								
i		Welder	each	0.25	174.53	43.63				
ii		One coat of Primer 5 x 0.238= 1.19 sqm as per CSR item 16.21	sqm	0.9	6.02	5.42				
iii		Two coat of Enamel Paint as per CSR 16.22	sqm	0.9	12.54	11.29				
		Total-II				60.34				
		Sunderies @ 1% i.e. on Rs. 60.34				0.60				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 60.94				13.10				
		Labour cess on cost of labour @ 1% i.e. on Rs. 74.04				0.74				
		Labour for 0.90 sqm				74.78				
		Labour for 1 sqm				83.09	83.09			83.09
		Add Submountainous Region @ 10% i.e. on Rs. 83.09								8.31
										91.40
		cost per sqm					527.03			535.34

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
18.32		Providing & Fixing MS Flat 50mm x 6mm, 150mm long with 10mm dia MS bar 175mm long hooks in RCC slab for fixing false ceiling								
		Unit : - 1 each								
		Taking Output : 1 each								
A		MATERIAL								
(i)		MS flat 50 mm x6mm = 0.15mtr	qtl	0.0038		14.49				
		@2.4kg per mtr = 0.36 kg								
		Add @5% Wastage = 0.02 kg			3814.37					
		Total = 0.38 kg								
(ii)		10mm dia bars = 0.35mtr	qtl	0.0023	4107.41	9.45				
		@0.62kg per mtr. = 0.217 kg								
		Add @ 5% wastage = 0.011 kg								
		Total 0.228 kg								
		Total-I				23.94				
		Sundries @ 1% i.e. on Rs. 23.94				0.24				
		Add contractor's profit @ 10% i.e. on Rs. 24.18				2.42				
		Labour cess on cost of material @ 1% i.e. on Rs. 26.6				0.27				
		Cost for 1 each				26.87				
		Cost for 1 each				26.87	26.87			26.87
II		LABOUR								
		Taking output 1 each								
(i)		Blacksmith Ist Class	each	0.05	223.36	11.17				
		Total-II				11.17				
		Sunderies @ 1% i.e. on Rs. 11.17				0.11				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 11.28				2.43				
		Labour cess on cost of labour @ 1% i.e. on Rs. 13.71				0.14				
		Labour for 1 each				13.85				
		Labour for 1 each				13.85	13.85			13.85
		Add Submountainous Region @ 10% i.e. on Rs. 13.85								1.39
										15.24
		cost per each					40.72			42.11

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
18.33		Providing & Fixing door floor spring double action of ISI specification for aluminum door/ steel doors								
		Unit : - 1 each								
		Taking Output : 1 each								
A		MATERIAL								
(i)		Double action hydraulic floor Spring with stainless steel cover plate	each	1	1251.25	1251.25				
		Total-I					1251.25			
		Sundries @ 1% i.e. on Rs. 1251.25					12.51			
		Add contractor's profit @ 10% i.e. on Rs. 1263.76					126.38			
		Labour cess on cost of material @ 1% i.e. on Rs. 1390.14					13.90			
		Cost for 1 each					1404.04			
		Cost for 1 each					1404.04			
								1404.04		1404.04
II		LABOUR								
		Taking output 1 each								
(i)		Mason Ist Class	each	0.5	223.36	111.68				
(i)		Mazdoor (Skilled) (Upper)	each	0.5	164.69	82.35				
		Total-II					194.03			
		Sundries @ 1% i.e. on Rs. 194.03					1.94			
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 195.97					42.13			
		Labour cess on cost of labour @ 1% i.e. on Rs. 238.1					2.38			
		Labour for 1 each					240.48			
		Labour for 1 each					240.48			
								240.48		240.48
		Add Submountainous Region @ 10% i.e. on Rs. 240.48								24.05
										264.53
		cost per each					1644.52			1668.57

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
18.34		Providing & Fixing of 12mm MS Rod in cement concrete block of size 675mm x 150mm x 150mm including cost of block for cycle stand as per design required completed in all respects.								
		Unit : - 1 Block								
		Taking Output : 1 Block								
A		MATERIAL								
(i)		MS Bars of 12mm dia for one set 2 x 1.22 = 2.44 mtr. @0.89 kg / mtr. = 2.17 kg Add 5% Wastage = 0.11 kg Total = 2.28 kg	qtl	0.0228	4107.41	93.65				
ii		Precasting CC blocks of (1:2:4) ratio 675mmx150mmx150mm for cycles 0.675 x 0.15 x 0.15= 0.015 as per CSR item No. 10.11	cum	0.015	1870.51	28.06				
iii		Add Extra Cost for work in situ as per CSR item no.10.13	cum	0.015	39.60	0.59				
iv		Add Shuttering Charges As per CSR item 9.14	sqm	0.2025	153.46	31.08				
		Total-I				153.38				
		Sundries @ 1% i.e. on Rs. 153.38				1.53				
		Add contractor's profit @ 10% i.e. on Rs. 154.91				15.49				
		Labour cess on cost of material @ 1% i.e. on Rs. 170.4				1.70				
		Cost for 1 Block				172.10				
		Cost for 1 Block				172.10	172.10			172.10
II		LABOUR								
		Taking output 1 Block								
(i)		Bar bender	each	0.05	190.00	9.50				
(iii)		Mazdoor (Skilled) (Upper)	each	0.05	164.69	8.23				
		Total-II				17.73				
		Sunderies @ 1% i.e. on Rs. 17.73				0.18				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 17.91				3.85				
		Labour cess on cost of labour @ 1% i.e. on Rs. 21.76				0.22				
		Labour for 1 Block				21.98				
		Labour for 1 Block				21.98	21.98			21.98
		Add Submountainous Region @ 10% i.e. on Rs. 21.98								2.20
										24.18
		cost per Block					194.08			196.28

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.35		Extra for work done in each subsequent storey above the first storey for item No. 18.17, 18.18 and 18.34					7.50			8.25



Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
	18.36	Extra for Work done in each subsequent storey above the first storey for Item No. 18.1 and 18.2	qtl				15.00			15.00

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10
18.37		Exta for work done in each subsequent storeyabove the first storey for Item No.18.3, 18.6 and 18.7.	qtl				30.00			33.00

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10

18.38 Providing and fixing MS Tubular frames for doors, windows, ventilators and cupboard with L-Type section made of 1.60mm thick MS Sheet, Joints mitred and welded and grinded finish, with profiles of required size with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 or with wooden pugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primers.

Unit : - 1 kgs  
Taking Output : 7.13 kgs

I MATERIALS

Details of cost for 7.13kg

I L-section 32x22x28mm 1.60mm thick

2.00 + 2.00 + 1.00 = 5.00 m

Width of MS sheet =

32+24.80+22+24.80+10mm = 113.60mm = 0.1136m

Area of MS Sheet = 0.1136 x 5.00 x 0.0016 = 0.0009088 sqm

Wt. of sheet = 0.0009088 x 7850 = 7.134kg

Add @ 5% wastage = 0.357 kg

Total = 7.491kg Say 7.49 or

Qtl 0.0749 4700.21 352.05

ii MS bars 10mm = 1mtr

Qtl 0.0065 3848.00 25.01

@0.62kg/m = 0.62 kg

@ 5% wastage = 0.03 kg

Total = 0.65 kg

iii MS flat 15 x 3mm = 6x10cm = 0.60 mtr @0.35kg/m = 0.21 kg

Qtl 0.0022 8.39

@ 5% wastage = 0.01 kg

Total = 0.22 kg

3814.37

iv CC block 1:3:6

cum 0.009 1591.02 14.32

6 x 15 x 10 x 10cm = 0.009 cum as per CSR item No.10.10

v Butt Hinges

each 6 20.48 122.88

Total-I

522.65

Sundries @ 1% i.e. on Rs. 522.65

5.23

Add contractor's profit @ 10% i.e. on Rs. 527.88

52.79

Labour cess on cost of material @ 1% i.e. on Rs. 580.67

5.81

Cost for 7.13 kgs

586.48

Cost for 1 kgs

82.26

82.26

82.26

II LABOUR

Taking output 7.13 kgs

i Blacksmith 2nd class

each 0.04 190.00 7.60

ii Fitter (Grade -I)

each 0.06 223.36 13.40

iii Welder

each 0.08 181.86 14.55

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
	iv	Painter 2nd Class	each	0.08	223.36	17.87				
		Total-II				53.42				
		Sunderies @ 1% i.e. on Rs. 53.42				0.53				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs.				11.60				
		Labour cess on cost of labour @ 1% i.e. on Rs. 65.55				0.66				
		Labour for 7.13 kgs				66.21				
		Labour for 1 kgs				9.29	9.29			9.29
		Add Submountainous Region @ 10% i.e. on Rs. 9.29								0.93
										10.22
		cost per kgs					91.55			92.48

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10

18.39 Providing & fixing 16 gauge stainless steel pipe railing of grade 304 duly fixed on steps with the help of bolts grouted on steps with hand rail and newel post of 50mm dia Stainless steel pipe, Balusters of 40mm dia Stainless steel pipe and guard 3 Nos of 15mm dia Stainless Steel pipe complete in all respect

Unit : - 1 mtr  
Taking Output : 3.35 mtr

I MATERIALS

(i) 50mm dia Stainless steel pipe

Hand Rail 1 x 3.35 = 3.35 mtr

Newel posts 2 x 0.90 = 1.80 mtr

Total = 5.15 mtr.

10% Wastage = 0.515 mtr

Total = 5.665 mtr

@1.90kg/ mtr. = 10.76 kg

iii 40mm dia Stainless steel pipe

Bluster 5 x 0.90 = 4.50 mtr

10% Wastage = 0.45 mtr

Total = 4.95 mtr

@1.40kg/ mtr. = 6.93 kg

iii 15mm dia Stainless steel pipe

Guards 3 x 3.20 = 9.60 mtr

2 x 0.45 = 0.90 mtr

Total 10.50 mtr

10% Wastage = 1.05 mtr

Total = 11.55 mtr

@0.50 kg/ mtr. = 5.77 kg

Gross Total = 23.46 kg

kg 23.46 270.00 6334.20

iv Nut bolt

each 7 16.20 113.40

v Stainless steel railing brackets with bolt

each 20 80.00 1600.00

vi Stainless steel railing base cover plate

each 7 35.00 245.00

Total-I

8292.60

Sundries @ 1% i.e. on Rs. 8292.6

82.93

Add contractor's profit @ 10% i.e. on Rs. 8375.53

837.55

Labour cess on cost of material @ 1% i.e. on Rs. 9213.08

92.13

Cost for 3.35 mtr

9305.21

Cost for 1 mtr

2777.67

2777.67

2777.67

II LABOUR

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
		Taking output 3.35 mtr								
(i)		Fitter & Turner Ist Class	each	1.00	223.36	223.36				
(ii)		Masson Ist Class	each	1.00	223.36	223.36				
(iii)		Mazdoor (Skilled) (Upper)	each	2.00	164.69	329.38				
(iv)		Welder	each	1.00	181.86	181.86				
		Total-II				957.96				
		Sunderies @ 1% i.e. on Rs. 957.96				9.58				
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 967.54				208.02				
		Labour cess on cost of labour @ 1% i.e. on Rs. 1175.56				11.76				
		Labour for 3.35 mtr				1187.32				
		Labour for 1 mtr				354.42	354.42			354.42
		Add Submountainous Region @ 10% i.e. on Rs. 354.42								35.44
										389.86
		cost per mtr					3132.09			3167.53

Sr. No.	Code No.	Description	Unit	Quantity	Plan			FoR S ub-Mountainous Region		
					Rate	Cost	Total	Rate	Cost	Total
	1	2	3	4	5	6	7	8	9	10

18.40 Providing & fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3mm lugs, 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 or with wooden plugs and screws or with dash fastener or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.

Unit : - 1 kg  
Taking Output : 18.33 kg

I MATERIALS

Taking Qty. = 17.50 kg

(i) MS T-iron 40x40x6mm = 2 + 2+1 = 5 mtr

@3.50kg/m = 17.50 kg

Add @ 5% Wastage = 0.87 kg

Total = 18.37 kg

qtl 0.1837 4284.21 787.01

ii MS bar 10mm dia = 1x 1 = 1.00 mtr

Add @ 5% Wastage = 0.05 mtr.

Total 1.05 mtr

@0.62kg/ m = 0.65 kg

qtl 0.0065 3868.21 25.14

iii MS Flat 15x3mm = 6 x 10 = 60 Cm = 0.60 mtr

Add @ 5% Wastage = 0.03 mtr.

Total 0.63 mtr

@ 0.35kg/ m = 0.22 kg

qtl 0.0022 3814.37 8.39

iv Butt hinges 100mm size

each 4 20.48 81.92

iv CC 1:3:6 for lugs = 6 x 0.15 x 0.10 x 0.10 = 0.009 cum as per CSR

cum 0.009 1591.02 14.32

10.10

Total-I

916.78

Sundries @ 1% i.e. on Rs. 916.78

9.17

Add contractor's profit @ 10% i.e. on Rs. 925.95

92.60

Labour cess on cost of material @ 1% i.e. on Rs. 1018.55

10.19

Cost for 18.33 kg

1028.74

Cost for 1 kg

56.12

56.12

56.12

II LABOUR

Taking output 18.33 kg

(i) Fitter grade-I

each 0.15 223.36 33.50

(ii) Blacksmith 2nd class

each 0.10 190.00 19.00

(iii) Mazdoor (Skilled) (Upper)

each 0.20 164.69 32.94

(vi) Mason

each 0.20 223.36 44.67

(iv) Painter

each 0.15 223.36 33.50

Total-II

163.61

Sunderies @ 1% i.e. on Rs. 163.61

1.64

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
		Add Overhead charges & contractor's profit @ 21.50% i.e. on Rs. 165.25				35.53				
		Labour cess on cost of labour @ 1% i.e. on Rs. 200.78				2.01				
		Labour for 18.33 kg				202.79				
		Labour for 1 kg				11.06	11.06			11.06
		Add Submountainous Region @ 10% i.e. on Rs. 11.06								1.11
										12.17
		cost per kg					67.18			68.29