

**DETAIL ESTIMATE FOR CONSTRUCTION OF SHED**  
**S. No. 164 S, GRAM PANCHAYAT BORDIYA, JANPAD PANCHAYAT**  
**KHACHROD, TAH. KHACHROD, DIST. & DIVI. UJJAIN (M.P.)**

I/	SOR.	Particular of items	No.	L	B	H	Quantity	Unit	Rate	Amount
No.	No.			( in meter )					per unit	Rs.
1	2	3	4	5	6	7	8	9	10	11
1	2.6	Earth work in excavation by mechanical means								
	2.6.1	All kinds of soil.								
		Column footing F1 For Shed	10	1.50	1.50	1.50	33.75	"		
							33.8	Cum	151.00	5096.3
2	2.18	Supplying and filling in plinth under floors including, watering, ramming consolidating and dressing complete.								
	2.18.2	Crusher Stone Dust								
		Shed	1	6.0	12.0	0.10	7.20			
							7.20	Cum	687.00	4946.40
3	2.18.1	Moorum/Hard copra								
		Shed	1	6.0	12.0	0.30	21.60			
							21.60	Cum	478.00	10324.80
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth level.								
	4.1.5	Cement concrete grade M-10 (Nominal Mix) with 40 mm maximum Column footing F1								
		Column footing F1 For Shed	10	1.70	1.70	0.10	2.89	"		
							2.89	Cum	4219.0	12192.91
5	5.1.1	Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate								
		Column footing F1 For Shed	10	1.30	1.30	0.40	6.76	"		
		Column C up to PL	10	0.30	0.30	1.50	1.4	"		
		Shed	2	5.9	0.20	0.50	1.18	"		
			6	3.8	0.20	0.50	2.28	"		
		shed Slab	1	6.4	12.4	0.10	7.94	"		
							19.5	cum	5435.0	106015.1
6	6.46	6.46 Brick work of fire brick with cly mortar (cly mortar shall be as per IS : 195 :2005)								
		CREMATORIUM CHABUTRA	3	1.2	2.4	0.60	5.18	cum	14976	77635.58
7	6.40	Brick work will well burnt open bhatta bricks crushing strength not less than 25kg/cm <sup>2</sup> and water absorption not more than 20% in foundation and plinth In cm 1:4								
		6.40 Cement Mortar 1:6 (1 cement : 6 sand).								
		Front Steps	5	2.85	0.20	0.20	0.57	Cum		
			5	2.85	0.20	0.40	1.14	"		
		3310-355=2781x.9=2502.9					1.71	cum	2503.0	4280.13

8	19.1	Centering and shuttering including strutting, propping etc. and removal of form work by sheet plate or ply wood shuttering for :											
	19.1.1	Foundations, footings, bases of columns, etc. For mass concrete											
		Column footing F3 For Shed	10x4		1.50	0.40	24.0	Sqm					
		Column C up to PL	10x4		0.30	2.00	24.0	"					
		Shed	6x2		3.80	0.50	22.8	"					
			2X2		5.90	0.50	11.8	"					
							82.6	Sqm	160.00			13216.00	
9	5.11	5.11 Reinforcement for R.C.C. work including straightening, cutting, bending, upto 12mm horizontal/ inclined position of reinforcement bars in slab and beams, plinth, chajjas, lintels, upto 4.5m vertical length of reinforcement in wall columns (over laps shall be provided as per requirement of IS : 13920; IS 456 & SP :34) etc. complete. placing in position and binding all complete.											
	5.11.4	Thermo-Mechanically Treated bars. (Fe 500 D or more)											
		100Kg per Cum of RCC	1	100.0	1.00	19.5	1951	kg.	54.0			105332.4	
10	10.2	10.2 Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all											
		CREMATORIUM CHABUTRA3X(4+4.8+2.4)=11.2	3	11.2		6.3	212						
		ANGLE 70X70X6=6.3KG/M				Total	212	Kg.	69.0			14605.92	
11	10.2	10.2 Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all											
		5Kg\Sqm	1	6.4	12.4	5	396.8	Kg.					
							396.8	Kg.	69.0			27379.20	
12	10.15	Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc.											
		10.16.1 Hot finished welded type tubes. Kg. 83.00											
		20Kg\Sqm	1	7.9	13.9	20	2196	Kg.					
							2196	Kg.	99.0			217423.8	

13	12.8	Supply & installation of precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm ±5% total coated thickness (TCT) thick Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 meter or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/vertical or curved surfaces excluding the cost of purlins,										
			1	7.9	13.9		109.81	Sqm				
							109.81	Sqm	422.0	46339.82		
14	12.9	12.9 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT) thick Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :										
		12.9.1 Ridges plain (500 - 600mm). Meter 558.00	1	35			50.50	Rm	558.00	28179.00		
15		12.9.6 Gutter .(600 mm over all girth). Meter 684.00	2	35			20.50	Rm	630.00	12915.00		
17	13.48	13.48.3 Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand of manufacture										
		Truss	4	2.5	6.4	0.90	57.6	sqm.	68.0	3916.80		
18	12.51	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.										
		12.51.2 100mm	4	4			16.00	Rm	201.0	3216.00		
19	12.44	12.44 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams. Each	8	1			8.00	Each	51.0	408.00		

20	12.42	12.42 Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
		12.42.5 Bend 87.5°								
		12.42.5.2 110 mm bend Each 258.0	4	2			8.00	Each	232.0	1856.00
21		12.42.6 Shoe (Plain)								
		12.42.6.2 100 mm shoe Each 535.01	4	1			4.00	Each	482.0	1928.00
22	2.16	Filling by available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.								
		Column footing					33.8	Cum	89.0	3003.75
									<b>Total</b>	<b>700211</b>
							<b>SAY</b>			<b>7.00</b>
							<b>GRAND TOTAL</b>		<b>2x7</b>	<b>14.00</b>

(Note : - Rates are taken from Urban Administration and Development Department(M.P.)ISSR Integrated standard schedules of rates inforce from 02th August 2021)