

**KRATI BUILDING DESIGNER
ENGINEER'S & DESIGNER'S****Er. PRADEEP SHINDE**

OFF. 173, MAHAKAL ROADj, UJJAIN.. M.No. 9893114613

Date 03/05/2024

DETAIL ESTIMATE FOR CONSTRUCTION OF BOUNDRY WALL, MOKSHDHAM
S. No.656(S), GRAM PANCHAYAT SUNDRABAD , JANPAD PANCHAYAT
BARNAGAR, TEH. BARNAGAR, DIST. & DIVI. UJJAIN (M.P.)

Length =411.00/3+2 =137 Column

I/No.	SOR.No.	Particular of items	No.	L	B	H	Quantity	Unit	Rate	Amount	
				(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 (Hydraulic									
	2.6.1	All kinds of soil.									
		Column footing F1	137	1.50	1.50	1.50	462.38	Cum	129.00	59646.38	
	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.									
2	4.1.5	Cement concrete grade M-15 (Nominal Mix) with 40 mm maximum									
		Column footing F1	137	1.50	1.50	0.10	30.83	Cum	4471.0	137818.58	
3	5.9	including strutting, propping etc. and removal of form for :									
	5.9.1	Foundations, footings, bases of columns, etc. For mass concrete									
		Column footing F1	137	1.30	4	0.50	356.20	Sqm			
		Column up to Ground Level	137	0.30	2	1.00	82.20	"			
			137	0.20	2	1.00	54.80	"			
		Ground Beam	1	411	2	0.30	246.60	"			
							739.80	Sqm	190.00	140562.00	
4	5.9.2	Lintels, beams, plinth beams, girders, bressumers and cantilevers.									
		Column up to Boundry Level	137	0.30	2	2.00	164.40	Sqm			
			137	0.20	2	2.00	109.60	"			
		Top Beam	1	411	2	0.20	164.40	"			
							438.40	Sqm	219.00	96009.60	

5	5.1.1	work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor two level excluding the cost of centering, shuttering, finishing and reinforcement with Cement concrete grade M-20 (Nominal Mix with 20 mm maximum size of stone aggregate).								
		Column footing F1	137	1.30	1.30	0.40	92.61	Cum		
		Column up to Ground Level	137	0.30	0.20	1.00	8.22	"		
		Ground Beam	1	411	0.20	0.30	24.66	"		
							125.49	cum	6153.0	772152.28
6	5.2.1	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, posts and struts suspended floor roof slab, beams, etc. up to floor two level excluding cost of centering, shuttering, finishing and reinforcement :								
		5.2.1 M 20 Nomial mix (with 20mm nominal size graded stone aggregate)								
		Column up to Boundry Level	137	0.20	0.30	2.00	16.44	Cum		
		Top Beam	1	411	0.20	0.30	82.20	"		
							98.64	Cum	6231.0	614625.84

7	5.2	5.20 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.								
	5.16.6	Thermo-Mechanically Treated bars.								
		78.5Kg per Cum of RCC	1	78.5	0.70	224.1	12316.1	kg.		
							12316	kg.	80.00	985284.27

8	6.7	Brick work will well burnt open bhatta bricks crushing strength not less than 25kg/cm ² and water absorption not more than 20% in above plinth level upto floor two level In cm 1:4.								
		6.40 Cement Mortar 1:6 (1 cement : 6 sand).	1	411	0.20	2.00	164.40	Cum		
							164.40	Cum.	4936.0	811478.40
9	13.1	12 mm cement plaster of mix :								

	13.1.2	1:6 (1 cement: 6 sand)	2	411		2.00	1644	Sqm		
							1644	Sqm	168.00	276192.00
10	13.4.5	13.44 Finishing walls with water proofing cement paint of required shade								
		13.44.1 New work (Two or more coats applied @ 3.84 kg/10 sqm). Sqm 37.00	2	411		2.00	1644	Sqm		
		Qty as per 12mm c. plaster					1644	Sqm	75.00	123300.00

11	2.25	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.							
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		Column footing					513.00	Cum	
							513.00	Cum	30.00
									Total
							GRAND TOTAL		4,032,459.3
							SAY		4,032,000.0
		(Total estimated cost is Rupees fortyty lacs thirty two thousand only)							
		Integrated standard schedules of rates inforce from 02th August 2021)							

