

MAA MAHAMAYA SHAKARI SAKKAR KARKHANA VILLAGE KERTA SURAJPUR CHHATTISGARH
DETAILED ESTIMATE OF CONSTRUCTION FOR SECURITY GUARD OFFICE
S.O.R. P.W.D. (BUILDING) S.O.R. INFORCE FROM 01.01.2015

CONSTRUCTION SITE :- MAIN GATE - 1

S.NO.	SOR ITEM NO.	DESCRIPTION	NO	L	B	D/H	UNIT	QUANTITY	RATE	AMOUNT
1	1.1.1	Excavation of all types and sizes of foundation trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5m lift and lead up to 50 m (at least away from the excavated area) including dressing and levelling of pits (Raft Foundation)	6	1.5	1.5	2.20	CUM	29.7	185	5,495
3	3.1.2	Providing and lying nominal mix plain cement concrete with stone aggregate using concrete mixture in all works up to plinth level excluding cost of formwork 1:4:8 (1: cement,4:coarse sand, 8:graduate stone aggregate 40 mm nominal size)	6	1.5	1.5	0.6	CUM	8.1	2659	21537.9
		Foundation								
		Columns								
		Long Wall								
		Cross wal								
		Basement								
4	3.1.5	Providing and lying nominal mix plain cement concrete with stone aggregate using concrete mixture in all works up to plinth level excluding cost of formwork 1:1.5:3 (1: cement,1.5:coarse sand, 3: graduate stone aggregate 20 mm nominal size)	6	1.5	1.5	0.65	CUM	8.775	4073	35740.575

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5	1.17	Providing and feeling in film with sand crusher stone dust and hard mooram under flooring layers not exceeding 20 CM in dipped consolidating is disposed layer by ramming and watering including dressing etc complete	6	1.4	1.4	2	CUM	23.52	65	1528.8
		Foundation								
		Column								
		Long Wall								
		Cross wall								
6		R.R. in cm (1:6) including the cost of conveyance all material and labour charges								
		Long Wall								
		Cross wall								
7	3.3	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixture in all work excluding cost of reinforcement and form work (graded stone aggregate nominal size 20 mm)								
8	3.3.3	Footting (Raft Footing)	6	1.4	1.4	0.65	CUM	7.644	4362	33343.128
		Columns	6	0.35	0.35	4.2	CUM	3.087	4362	13465.494
		Plinth Beam								
		Long beam	2	5	0.35	0.35		1.225		
		Cross beam	3	4	0.35	0.35		1.47		
		Another beam1								
		Another beam2								
		Roof Beam								
		Long beam	2	5	0.35	0.35		1.225		
		Cross beam	3	4	0.35	0.35		1.47		
		Another beam								
		Roof slab	1	4.5	5	0.15		3.375		

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								TOTAL	CUM	8.765	4362	38,233
9	7.1	Bricks work with modular well burnt clay bricks of crushing strength not less than 35kg/sqcm and water absorption not more than 20% in foundation and plinth in cement mortar 1:4 (1: cement, 4: coarse sand)								7.7		
		Long Wall	2	5	0.22	3.5						
		Cross wall	3	4.02	0.22	3.5				9.2862		
		Another Wall				TOTAL	CUM			16.9862		
		Deduction										
		D.doors	1	1.2	0.22	2.1				0.5544		
		W. Windows	2	0.65	0.22	0.65				0.1859		
						TOTAL	CUM			0.7403	4010	
										16.9862-0.7403 = 16.2459		65,146
10	5.4	Plastering with cm (1:4) 20 mm thick										
		Long Wall	2	5	4.08	0.76	CUM			31.008	2654	82,295
		Cross wall	3	4.08	4.08	0.76	CUM			37.953792	2654	100,729
		Another Wall 1										
		Another Wall 2										
		Water supply and sanitary fitting										
		wash basin soap tray etc										
11	19.42	SINTEX (1000) LTR	1				/LITRE			1000	7.3	7,300
		Urinal flat large										
		Wash basin (WHITE SIZE 550X450)	1				EACH				1430	1,430
12	18.30.1	Rectangular mirror 5 MM THICK	1	0.8	0.8		SQM			0.64	2016	1,290
		Soap tray					EACH					
13	18.1.1	WHITE LONG PATTERN W.C.PAN OF SIZE 580 MM	1				EACH				2459	2,459
14	178.5.1	WHITE PEDESTAL TYPE (CHINA)	1				EACH				2882	2,882

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	Other sanitary and plumbing fitting																		
	Soak pit construction	1	2	2	2.5	CUM	10	2654	26,540										
	ROOF SLAB	1	2.2	2.2	0.22	CUM	1.0648	4362	4,645										
	Supply and fixing of doors																		
	Dedication																		
	W. Windows																		
	D. Doors																		
	Flooring with cermic tiles in required size 300X300	1	3.75	3		SQM	11.25	692	7785										
12.9.1	Bath room	1	1.25	1.2		SQM	1.5	692	1038										
TOTAL											429,816								

NOTE:- ± 10% VARIOUS COST MAY BE CHANGE IN THIS ESTIMATE

