

CONSTRUCTION ESTIMATE

Project Name:	Modern Residential Complex - Phase 1
Location:	Udaipur
Client:	PWD Rajasthan
Engineer:	Er. Rajesh Kumar
Date:	2025-11-17
Estimated Cost:	₹ 0.00

tech report

Construction of Judicial Courts Building		Construction of Judicial Courts Building	
:		:	
The proposed Judicial Courts shall be co		The proposed Judicial Courts shall be co	
The general specifications adopted for t		The general specifications adopted for t	
Judicial Courts Building & Bar Wing & PP		Judicial Courts Building & Bar Wing & PP	
Cement concrete 1:4:8 , 300 mm thick.	I Foundation concrete	Cement concrete 1:4:8 , 300 mm thick.	I F
Random rubble stone masonry in cement sa	II Masonry for Foundation	Random rubble stone masonry in cement sa	II Mas
:	III Damp proof coarse	:	100 mm thick R.C.C. M-20.
Stone masonry in cement sand mortar 1:6	IV Super structure masonry	Stone masonry in cement sand mortar 1:6	IV Sup
: R.C.C. M-20 with steel reinforcement.	V Lintels	: R.C.C. M-20 with steel reinforcement.	
Bricks class 75 in cement sand mortar 1:	VI Partition	Bricks class 75 in cement sand mortar 1:	
100 mm thick in 1:5 :10 mix over 230 mm	VII Base of Flooring	100 mm thick in 1:5 :10 mix over 230 mm	V
al Courts Building	VIII Flooring	(I) Judicial Courts Building	
Kota Stone Flooring :- 25 mm thick blue		Kota Stone Flooring :- 25 mm thick blue	
Marble Slab Flooring :- In Entrance Hall		Marble Slab Flooring :- In Entrance Hall	
White Glazed Tiles:- In all toilets and		White Glazed Tiles:- In all toilets and	
Wing & PP Wing		(II) Bar Wing & PP Wing	
Kota Stone Flooring :- 25 mm thick blue		Kota Stone Flooring :- 25 mm thick blue	
White Glazed Tiles:- In all toilets and		White Glazed Tiles:- In all toilets and	
20 mm thick in cement mortar 1:6 over s	IX Plaster	20 mm thick in cement mortar 1:6 over s	
:Door frames of mild steel selection buil	X Joinery frames	:Door frames of mild steel selection buil	
35 mm thick fully panelled doors with As	XI Door Shutters	35 mm thick fully panelled doors with As	
Finishing with water cement paint at ou	XII Finishing	Finishing with water cement paint at ou	
...	...		

gen-abstract

		NAME OF WORK :- Construction of Addition		
GENERAL ABSTRACT OF COST				
Rs.	=GF1_ABS!G55		PART 'A' CIVIL WORK GROUND FLOOR	
Rs.	='sanitary-abs'!G51		PART 'B' SANITARY & WATER SUPPLY WORK	
TOTAL Rs.	=SUM(G7:G9)			
			Add @ 7 % for Electrification On Civil W	
Rs.=ROUNDUP(D14*0.07,0)				i.e. on Rs.
TOTAL Rs.	=SUM(G11:G14)			
	=ROUNDUP(G15*0.13,0)		Add Prorata Charges @ 13%	
RAND TOTAL Rs.	=SUM(G15:G17)			
EXECUTIVE ENGINEER,			ASSISTANT ENGINEER,	
P.W.D. Div.- RAJSAMAND			P.W.D Sub Div.- NATHDWARA	

GF1_ABS

Unit	Amount	Particulars.	Quantity	Rate	Unit	Amount
F165,ROUNDUP(E65*E50,11) excavation in foundation t		=GF1_MESIK67	Cum	37.10	P=F165,ROUNDUP(E65*E50,11) excavation	
Earth work in excavation in foundation t					Earth work in excavat	
F167,ROUNDUP(C7*E7,0,"") (a) Decomposed Rock		=GF1_MESIK70	Cum	44.50	P=F167,ROUNDUP(C7*E7,0,"") (a)	
F168,ROUNDUP(C8*E8,0,"") (b) Ordinary Rock		=GF1_MESIK72	Cum	58.00	P=F168,ROUNDUP(C8*E8,0,"")	
F169,ROUNDUP(C9*E9,0,"") (c) Phylite Rock		=GF1_MESIK74	Cum	85.00	P=F169,ROUNDUP(C9*E9,0,"")	
C10 ROUNDUP(C1B1E10) depth available excavated ea		=GF1_MESIK90	Cum.	9.00	=IF(C10 ROUNDUP(C1B1E10) depth ava	
Cut,ROUNDUP(E11E10) Excavation over areas (Exc		=GF1_MESIK95	Cum.	29.70	=IF(Cut,ROUNDUP(E11E10) "excavat	
C12,ROUNDUP(C21E12) of earth including loading, unl		=GF1_MESIK98	Cum.	30.50	=IF(C12,ROUNDUP(C21E12) of "earth in	
C13,ROUNDUP(C20E13) laying Cement concrete inc		=GF1_MESIK102	Cum	910.00	=IF(C13,ROUNDUP(C20E13) laying C	
C14,ROUNDUP(FCR45E14) masonry for foundation and pl		=GF1_MESIK118	Cum	=550+140	=IF(C14,ROUNDUP(FCR45E14) masonry fo	
C15,ROUNDUP(FCR55E15) masonry for super structure u		=GF1_MESIK146	Cum	785.00	=IF(C15,ROUNDUP(FCR55E15) masonry f	
C16,ROUNDUP(C16E16) for pillar masonry including		=GF1_MESIK149	Cum	285.00	=IF(C16,ROUNDUP(C16E16) for pillar	
S17,ROUNDUP(G17E17) masonry in super structure us		=GF1_MESIK167	Sqm	=140+4	=IF(S17,ROUNDUP(G17E17) masonry in	
C18,ROUNDUP(B18E18) n'superstructure upto 4.5 me		=GF1_MESIK172	Cum	=1100+32	=IF(C18,ROUNDUP(B18E18) n'superstruc	
Centering & shuttering with plywood or s					Centering & shutterin	
S19,ROUNDUP(C20*E20) foundation in basements, rafts,		=GF1_MESIK178	Sqm	53.00	=IF(S19,ROUNDUP(C20*E20) foundation i	
S20,ROUNDUP(G21E21) suspended floors, roofs, landing		=GF1_MESIK250	Sqm	70.00	=IF(S20,ROUNDUP(G21E21) suspended f	
C21,ROUNDUP(C22E22) laying cement concrete and		=GF1_MESIK297	Cum	=1860+21	=IF(C21,ROUNDUP(C22E22) "laying c	
C22,ROUNDUP(C23(E23)) shelves, chajjas, Shelves, verti		=GF1_MESIK314	Cum	=1860+60	=IF(C22,ROUNDUP(C23(E23)) shelves, ch	
C24,ROUNDUP(C24(E24)) foundations rafts , footings, str		=GF1_MESIK319	Cum	1,860.00	=IF(C24,ROUNDUP(C24(E24))foundati	
Z25,ROUNDUP(C25E25) and fabrication steel reinforc		=GF1_MESIK324	Kg	18.65	=IF(Z25,ROUNDUP(C25E25) and fabri	
S26,ROUNDUP(FC26E26,0)e,W) surface on walls in cemen		=GF1_MESIK386	Sqm	37.00	=IF(S26,ROUNDUP(FC26E26,0)e,W)surfa	
S27,ROUNDUP(C27E27) new surface over ceiling in c		=GF1_MESIK390	Sqm	55.00	=IF(S27,ROUNDUP(C27E27) new surf	
C28,ROUNDUP(C28E28) dry stone kharanja under f		=GF1_MESIK392	Cum	180.00	=IF(C28,ROUNDUP(C28E28) dry sto	
Z29,ROUNDUP(C29*E29,0,"")		=GF1_MESIK394	Kg	26.00	=IF(Z29,ROUNDUP(C29*E29,0,""))	
S30,ROUNDUP(C30E30) and fixing steel glazed doors		=GF1_MESIK409	Sqm	700.00	=IF(S30,ROUNDUP(C30E30) and fixin	
Z31,ROUNDUP(C31E31) and fixing square bars or othe		=GF1_MESIK418	Kg	19.00	=IF(Z31,ROUNDUP(C31E31) and fixin	
S32,ROUNDUP(C32E32,0) and fixing wire gauge of 14 me		=GF1_MESIK420	Sqm	185.00	=IF(S32,ROUNDUP(C32E32,0) and fixin	
Z33,ROUNDUP(C33E33,0) and fixing in cement mortar we		=GF1_MESIK430	Kg	30.00	=IF(Z33,ROUNDUP(C33E33,0) and fixin	
C34,ROUNDUP(C34E34,0) etc including curing compact		=GF1_MESIK432	Cum	850.00	=IF(C34,ROUNDUP(C34E34,0) etc includ	
Polished Blue Kota stone flooring skirti					Polished Blue Kota	
S35,ROUNDUP(C35E36,0) " of each slab from 901 to 2		=GF1_MESIK437	Sqm	270.00	=IF(S35,ROUNDUP(C35E36,0) " of each	
S36,ROUNDUP(C36E37,0) " of each slab from 2001 to		=GF1_MESIK480	Sqm	300.00	=IF(S36,ROUNDUP(C36E37,0) " of each	
C38,ROUNDUP(C38E38,0) and fixing in wall machine cut					=IF(C38,ROUNDUP(C38E38,0) and fixin	
S39,ROUNDUP(C39*E39,0) a stone 25 to 30 mm thick		=GF1_MESIK505	Sqm	295.00	=IF(S39,ROUNDUP(C39*E39,0) a ston	
S40,ROUNDUP(C40E41,0) other approved stone 50 mm		=GF1_MESIK510	Sqm	255.00	=IF(S40,ROUNDUP(C40E41,0) other appr	
S41,ROUNDUP(CP1E41) and fixing fully panelled doubl		=GF1_MESIK513	Sqm	1,240.00	=IF(S41,ROUNDUP(CP1E41) and fixin	

GF1_MES

Nos.		Length	Breadth	Height
2.00	x	9.23		
1.00	x	3.51		
1.00	x	3.97		
1.00	x	6.86		
1.00	x	4.58		
1.00	x	5.19		
1.00	x	4.88		
1.00	x	6.41		
1.00	x	14.94		
2.00	x	0.92		
2.00	x	0.61		
2.00	x	3.05		
1.00	x	3.66		
1.00	x	2.75		
2.00	x	3.97		
3.00	x	4.27		
4.00	x	4.27		
1.00	x	2.75		
1.00	x	4.27		
				TOTAL
2.00	x	6.41		
1.00	x	4.58		
				TOTAL
2.00	x	12.35		
2.00	x	8.23		
2.00	x	13.42		
2.00	x	14.33		
				TOTAL
1.00	x	1.30		

sanitary-abs

Quantity		Rate	Unit	Amount
2.00	Nos.	890.00		=IF(C5,ROUNDUP(C5*E5,0),"")
2.00	Nos.	650.00		=IF(C6,ROUNDUP(C6*E6,0),"")
4.00	Nos.	1,250.00		=IF(C7,ROUNDUP(C7*E7,0),"")
4.00	Nos.	210.00		=IF(C8,ROUNDUP(C8*E8,0),"")
8.00	Nos.	30.00		=IF(C9,ROUNDUP(C9*E9,0),"")
				=IF(C10,ROUNDUP(C10*E10,0),"")
ry_MEASUR!K22	RM	70.00		=IF(C11,ROUNDUP(C11*E11,0),"")
ry_MEASUR!K27	RM	117.00		=IF(C12,ROUNDUP(C12*E12,0),"")
				=IF(C13,ROUNDUP(C13*E13,0),"")
ry_MEASUR!K32	RM	98.00		=IF(C14,ROUNDUP(C14*E14,0),"")
ry_MEASUR!K35	Nos.	100.00		=IF(C15,ROUNDUP(C15*E15,0),"")
15.00	Nos.	120.00		=IF(C16,ROUNDUP(C16*E16,0),"")
5.00	Nos.	120.00		=IF(C17,ROUNDUP(C17*E17,0),"")
				=IF(C18,ROUNDUP(C18*E18,0),"")
2.00	Nos.	150.00		=IF(C19,ROUNDUP(C19*E19,0),"")
2.00	Nos.	300.00		=IF(C20,ROUNDUP(C20*E20,0),"")
				=IF(C21,ROUNDUP(C21*E21,0),"")
4.00	Nos.	=5000		=IF(C22,ROUNDUP(C22*E22,0),"")
				=IF(C23,ROUNDUP(C23*E23,0),"")
4.00	Nos.	150.00		=IF(C24,ROUNDUP(C24*E24,0),"")
				=IF(C25,ROUNDUP(C25*E25,0),"")
ry_MEASUR!K59	RM	=200		=IF(C26,ROUNDUP(C26*E26,0),"")
				=IF(C27,ROUNDUP(C27*E27,0),"")
1.00	Nos.	162.00		=IF(C28,ROUNDUP(C28*E28,0),"")
5.00	Nos.	62.00		=IF(C29,ROUNDUP(C29*E29,0),"")
1.00	Nos.	199.00		=IF(C30,ROUNDUP(C30*E30,0),"")
ry_MEASUR!K64	Nos.	34.00		=IF(C31,ROUNDUP(C31*E31,0),"")
1.00	Nos.	159.00		=IF(C32,ROUNDUP(C32*E32,0),"")
1.00	Nos.	111.00		=IF(C33,ROUNDUP(C33*E33,0),"")
1.00	Nos.	89.00		=IF(C34,ROUNDUP(C34*E34,0),"")
4.00	Nos.	140.00		=IF(C35,ROUNDUP(C35*E35,0),"")
				=IF(C36,ROUNDUP(C36*E36,0),"")
3.00	Nos.	1,500.00		=IF(C37,ROUNDUP(C37*E37,0),"")
3.00	Nos.	2,050.00		=IF(C38,ROUNDUP(C38*E38,0),"")
ry_MEASUR!K72	Kg.	12.00		=IF(C39,ROUNDUP(C39*E39,0),"")
40.00	RM	95.00		=IF(C40,ROUNDUP(C40*E40,0),"")
40.00	Rm.	115.00		=IF(C41,ROUNDUP(C41*E41,0),"")

sanitary_MEASUR

Nos.		Length	Breadth	Height	
6.00	x	1.00			=IF(K6,"","","")
6.00	x	1.00			=IF(K7,"","","")
				Total	=IF(K8,"","","")
					=IF(K9,"","","")
5.00	x	1.00			=IF(K10,"","","")
				Total	=IF(K11,"","","")
-K12	x	1.00			=IF(K12,"","","")
					=IF(K13,"","","")
					=IF(K15,"","","")
1.00	x	1.00			=IF(K16,"","","")
				Total	=IF(K17,"","","")
					=IF(K18,"","","")
					=IF(K19,"","","")
5.00	x	4.50			=IF(K20,"","","")
5.00	x	4.50			=IF(K21,"","","")
				Total	=IF(K22,"","","")
					=IF(K23,"","","")
4.00	x	16.80			=IF(K24,"","","")
4.00	x	14.60			=IF(K25,"","","")
4.00	x	8.70			=IF(K26,"","","")
				Total	=IF(K27,"","","")
					=IF(K28,"","","")
					=IF(K29,"","","")
1.00	x	10.00			=IF(K30,"","","")
2.00	x	10.00			=IF(K31,"","","")
				Total	=IF(K32,"","","")
					=IF(K33,"","","")
6.00	x	3.00			=IF(K34,"","","")
				Total	=IF(K35,"","","")
					=IF(K36,"","","")
2.00	x	1.00			=IF(K37,"","","")
6.00	x	1.00			=IF(K38,"","","")
				Total	=IF(K39,"","","")
					=IF(K40,"","","")
5.00	x	1.00			=IF(K41,"","","")

