

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	
	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 Maso
	:	100 mm thick R.C.C. M-20.	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 Super
	:	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	
...	...				

			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%			
GRAND 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	
=GF1_MESIK67	=GF1_MESIK67	Excavation in foundation t		Cum	37.10	=GF1_MESIK67	=GF1_MESIK67	Excavation in foundation t
		Earth work in excavation in foundation t						Earth work in excavation in foundation t
=GF1_MESIK70	=GF1_MESIK70	(a) Decomposed Rock		Cum	44.50	=GF1_MESIK70	=GF1_MESIK70	(a) Decomposed Rock
=GF1_MESIK72	=GF1_MESIK72	(b) Ordinary Rock		Cum	58.00	=GF1_MESIK72	=GF1_MESIK72	(b) Ordinary Rock
=GF1_MESIK74	=GF1_MESIK74	(c) Phyllite Rock		Cum	85.00	=GF1_MESIK74	=GF1_MESIK74	(c) Phyllite Rock
=GF1_MESIK90	=GF1_MESIK90	1511.90 m ³ with available excavated ea		Cum.	9.00	=GF1_MESIK90	=GF1_MESIK90	1511.90 m ³ with available excavated ea
=GF1_MESIK95	=GF1_MESIK95	Earthwork excavation over areas (Exc		Cum.	29.70	=GF1_MESIK95	=GF1_MESIK95	Earthwork excavation over areas (Exc
=GF1_MESIK98	=GF1_MESIK98	2215.20 m ³ of earth including loading, unl		Cum.	30.50	=GF1_MESIK98	=GF1_MESIK98	2215.20 m ³ of earth including loading, unl
=GF1_MESIK102	=GF1_MESIK102	1013.30 m ³ of laying Cement concrete inc		Cum	910.00	=GF1_MESIK102	=GF1_MESIK102	1013.30 m ³ of laying Cement concrete inc
=GF1_MESIK118	=GF1_MESIK118	451.40 m ³ of masonry for foundation and pl		Cum	=550+140	=GF1_MESIK118	=GF1_MESIK118	451.40 m ³ of masonry for foundation and pl
=GF1_MESIK146	=GF1_MESIK146	1515.00 m ³ of masonry for super structure u		Cum	785.00	=GF1_MESIK146	=GF1_MESIK146	1515.00 m ³ of masonry for super structure u
=GF1_MESIK149	=GF1_MESIK149	1416.80 m ³ of pillar masonry including		Cum	285.00	=GF1_MESIK149	=GF1_MESIK149	1416.80 m ³ of pillar masonry including
=GF1_MESIK167	=GF1_MESIK167	Half 517.00 m ² of masonry in super structure us		Sqm	=140+4	=GF1_MESIK167	=GF1_MESIK167	Half 517.00 m ² of masonry in super structure us
=GF1_MESIK172	=GF1_MESIK172	818.50 m ³ of superstructure upto 4.5 me		Cum	=1100+32	=GF1_MESIK172	=GF1_MESIK172	818.50 m ³ of superstructure upto 4.5 me
		Centering & shuttering with plywood or s						Centering & shuttering with plywood or s
=GF1_MESIK178	=GF1_MESIK178	240.00 m ² of foundation in basements, rafts,		Sqm	53.00	=GF1_MESIK178	=GF1_MESIK178	240.00 m ² of foundation in basements, rafts,
=GF1_MESIK250	=GF1_MESIK250	281.50 m ² of suspended floors, roofs, landing		Sqm	70.00	=GF1_MESIK250	=GF1_MESIK250	281.50 m ² of suspended floors, roofs, landing
=GF1_MESIK297	=GF1_MESIK297	2221.60 m ³ of laying cement concrete and		Cum	=1860+21	=GF1_MESIK297	=GF1_MESIK297	2221.60 m ³ of laying cement concrete and
=GF1_MESIK314	=GF1_MESIK314	2231.00 m ² of joints, chajjas, Shelves, verti		Cum	=1860+60	=GF1_MESIK314	=GF1_MESIK314	2231.00 m ² of joints, chajjas, Shelves, verti
=GF1_MESIK319	=GF1_MESIK319	242.40 m ² of publications rafts , footings, str		Cum	1,860.00	=GF1_MESIK319	=GF1_MESIK319	242.40 m ² of publications rafts , footings, str
=GF1_MESIK324	=GF1_MESIK324	2525.00 kg of fabrication steel reinforc		Kg	18.65	=GF1_MESIK324	=GF1_MESIK324	2525.00 kg of fabrication steel reinforc
=GF1_MESIK386	=GF1_MESIK386	2286.20 m ² of surface on walls in cemen		Sqm	37.00	=GF1_MESIK386	=GF1_MESIK386	2286.20 m ² of surface on walls in cemen
=GF1_MESIK390	=GF1_MESIK390	2231.00 m ² of new surface over ceiling in c		Sqm	55.00	=GF1_MESIK390	=GF1_MESIK390	2231.00 m ² of new surface over ceiling in c
=GF1_MESIK392	=GF1_MESIK392	2286.20 m ³ of dry stone kharanja under f		Cum	180.00	=GF1_MESIK392	=GF1_MESIK392	2286.20 m ³ of dry stone kharanja under f
=GF1_MESIK401	=GF1_MESIK401	229.00 m ² of		Kg	26.00	=GF1_MESIK401	=GF1_MESIK401	229.00 m ² of
=GF1_MESIK409	=GF1_MESIK409	301.60 m ² of fixing steel glazed doors		Sqm	700.00	=GF1_MESIK409	=GF1_MESIK409	301.60 m ² of fixing steel glazed doors
=GF1_MESIK418	=GF1_MESIK418	336.10 kg of fixing square bars or othe		Kg	19.00	=GF1_MESIK418	=GF1_MESIK418	336.10 kg of fixing square bars or othe
=GF1_MESIK420	=GF1_MESIK420	501.50 m ² of fixing wire gauge of 14 me		Sqm	185.00	=GF1_MESIK420	=GF1_MESIK420	501.50 m ² of fixing wire gauge of 14 me
=GF1_MESIK430	=GF1_MESIK430	501.50 kg of fixing in cement mortar we		Kg	30.00	=GF1_MESIK430	=GF1_MESIK430	501.50 kg of fixing in cement mortar we
=GF1_MESIK432	=GF1_MESIK432	604.00 m ³ of including curing compact		Cum	850.00	=GF1_MESIK432	=GF1_MESIK432	604.00 m ³ of including curing compact
		Polished Blue Kota stone flooring skirti						Polished Blue Kota stone flooring skirti
=GF1_MESIK437	=GF1_MESIK437	161.00 m ² of each slab from 901 to 2		Sqm	270.00	=GF1_MESIK437	=GF1_MESIK437	161.00 m ² of each slab from 901 to 2
=GF1_MESIK480	=GF1_MESIK480	1517.00 m ² of each slab from 2001 to		Sqm	300.00	=GF1_MESIK480	=GF1_MESIK480	1517.00 m ² of each slab from 2001 to
=GF1_MESIK505	=GF1_MESIK505	339.00 m ² of fixing in wall machine cut				=GF1_MESIK505	=GF1_MESIK505	339.00 m ² of fixing in wall machine cut
=GF1_MESIK510	=GF1_MESIK510	339.00 m ² of Kota stone 25 to 30 mm thick		Sqm	295.00	=GF1_MESIK510	=GF1_MESIK510	339.00 m ² of Kota stone 25 to 30 mm thick
=GF1_MESIK513	=GF1_MESIK513	339.00 m ² of approved stone 50 mm		Sqm	255.00	=GF1_MESIK513	=GF1_MESIK513	339.00 m ² of approved stone 50 mm
=GF1_MESIK513	=GF1_MESIK513	339.00 m ² of fixing fully panelled doub		Sqm	1,240.00	=GF1_MESIK513	=GF1_MESIK513	339.00 m ² of fixing fully panelled doub

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

sanitary_MEASUR

Nos.		Length		Breadth		Height		
6.00	x	1.00					=IF(K6,"=", "")	
							=IF(K7,"=", "")	
6.00	x	1.00					=IF(K8,"=", "")	
					Total		=IF(K9,"=", "")	
							=IF(K10,"=", "")	
5.00	x	1.00					=IF(K11,"=", "")	
					Total		=IF(K12,"=", "")	
K12	x	1.00					=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,"=", "")	

