ENGINEER'S & DESIGNER'S

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

Date 03/04/2024

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

I/	SOR.	Particular of items	No.	L	В	Н	Quantity	Unit	Rate	Amount	
No.	No.	Tarredia of Fema			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 excavator) / manual means									
	2.6.1	All kinds of soil. Ghat Portion	1	13.80	13.40	0.30	55.48	Cum			
	2.0.1	All kinds of soil. Ondi i or non	1	15.00	1.00		22.50	u			
				15.00	1.00	1.50	22.50				
		End toe wall	1	15.00	0.90	1.50	20.25	u u			
		End wall	2	13.10	0.90	1.40	33.01				
							131.24	Cum	151.00	19816.94	
2	2.15.1	In or under water and/or liquid mud, including									
ĺ		pumping out water as required.(All water that									
		may accumulate in excavations during the									
		progress of the work from seepage, (not due									
ĺ											
		to the negligence of the contractor), shall be									
		bailed, pumped out or otherwise removed. The									
		contractor shall take adequate measures for									
		bailing and/or pumping out water from									
		excavations and/or pumping out water from									
		excavations and construct diversion channels,									
		bunds, sumps, etc)									
		Depth (20% of the rate of the item. The									
		extra percentage in rate is applicable in									
		respect of each item but limited, to quantities									
		of ,work excuted, in difficult condition.									
		of ,work excured,in difficult condition.									
		Bottom toe wall	1	15.00	1.00	1.50	22.50	Cum	30.20	679.50	
3	15.6	15.6 Providing and laying Filter material									
		sand passing through 4.75 mm	1	13.80	13.40	0.19	34.21	Cum			
					1372.00		34.21	Cum	1372.00	46936.39	
4	2.16	Filling by available excavated earth		1	1	•	ı		1		
		(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									
		1:£±=±= 1 5									
	2.16	Extra for every additional lift of 1.5 m or par	t the	reof in.							
5	4.1	Providing and laying in position cement					230.00	Cum	89.00	20470.00	
	4.1.5	Cement concrete grade M-10 (Nominal Mix)									
		with 40 mm maximum	1								
		4.1.5 M 10		4	10.40			_			
		Ghat Portion	1	13.80	13.40		36.98	Cum			
		Bottom toe wall	1	15.00	1.00		3.00				
		End toe wall	1	15.00	0.90		2.70				
		End wall	2	13.10	0.90	0.20	4.72	"			
							47.40	Cum	4219.0	199980.60	

)	19.1									
		propping etc. and removal of form for:								
	19.1.1	9.1.1 Foundations, footings, bases of columns, etc.								
		For mass concrete								
		Bottom toe wall	1	15.00	1.30		19.50	Sqm		
			1	14.50	1.30		18.85	"		
		End toe wall	1	15.00	1.30		19.50	"		
			1	14.50	1.30		18.85	"		
		End wall	2	13.10	1.20		31.44	"		
			2	14.60	1.20		35.04	"		
		Side	24	1.20			10.08	"		
		Side Ghat Portion	32	5.70			36.48	"		
		Side	32	0.40		0.20		"		
		FRONT Side	12	1.20		0.60		II .		
_	E 1	E 1 Danvidina and lavina in marking an artified					200.94	Sqm	160.00	32150.40
	5.1	5.1 Providing and laying in position specified								
		grade of reinforced cement concrete								
		excluding the cost of centering,								
		shuttering, finishing and reinforcement - All								
		work up to plinth level :								
		5.1.1 Cement concrete grade M-20 (Nominal								
		Ghat Portion	1	13.80	13.40	0.20	36.98	Cum		
		Bottom toe wall	1	15.00	(0.9+0.6)/2	1.30	14.63	ш		
		End toe wall	1	15.00	(0.9+0.6)/2	1.30	14.63	"		
		End wall	2	13.80	(0.7+0.2)/2	1.20	14.90	п		
					, ,		81.14	cum	5435.0	440985.03
	5.11	5.11 Reinforcement for R.C.C. work including straightening, cutting, bending, upto 12mm	1				l	•	,	
		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	Thermo-Mechanically Treated bars.								
		78.5Kg per Cum of RCC	1	100.0	0.500	81.1	4056.90	kg.	58.00	235300.20
	13.8	Providing weep holes in Brick	•			•		•		•
	Road	masonry/Plain/Reinforced concrete abutment,								
		wing wall/return wall with 100 mm dia AC pipe,								
		extending through the full width of the								
		structure with slope of 1V :20H towards								
		drawing foce. Complete as per drawing and								
		Technical specifications and as per clause								
		2706 of specifications.								
_										15500.80

10	11.28	40 mm thick machine rubbed stone flooring								
		over 20 mm (average) thick base of cement								
		mortar 1:5 (1 cement :5 coarse sand) with								
		joints 3mm thick, side buttered with cement								
		mortar 1:2 (1 cement : 2 sand) admixed with								
		pigment to match the shade of stone and								
		pointing with same mortar.								
		11.28.1 Red sand stone								
		TRADE Ghat Portion	32	5.70		0.40	72.96	Sqm		
		RISEGhat Portion	32	5.70		0.20	36.48	ш		
			3	3.00		15.00	135.00	ш		
		LANDING	12	1.20		1.20	17.28	ш		
		Side	12	1.20			8.64	п		
		Side	24	1.20		0.35	10.08	ш		
11	11.29	11.29 Extra for pre finished nosing in treads					280.44	Sqm	660.00	185090.40
12	7.25	Providing and fixing stainless steel cramps of required size and shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement: 2 coarse sand)	44	1.20			52.80 436.80	M	39.00	17035.20
		including making the necessary chases in stone and holes in walls wherever required.								
		0.2kg/sqm	1	1.00	0.200	280.4	56.09	kg.	626.00	35111.09
									TOTAL	1249056.55
						GRAN	D TOTAL		2×15	2,498,113.1
							SAY		Lacs	24.981
								-		