KRATI BUILDING DESIGNER ENGINEER'S & DESIGNER'S Er. PRADEEP SHIND E

OFF. 173, MAHAKAL ROADj, UJJAIN.. M.No. 9893114613 DETAIL ESTIMATE FOR CONSTRUCTION OF GHAT Date 03/04/2024

S. No.1182(S), GRAM PANCHAYAT BALODA LAKHA, JANPAD PANCHAYAT BARNAGAR, TEH. BARNAGAR, DIST. & DIVI. UJJAIN (M.P.)

	SOR.	Particular of items	No.	L	В	H	Quantity	Unit		Amount	
10.	No.		_	(in meter	·			per unit	Rs.	
	2	3	4	5	6	7	8	9	10	11	
	2.6	Earth work in excavation by mechanical									
		means (Hydraulic excavator) / manual means									
	2.6.1	All kinds of soil. Ghat Portion	1		13.40	0.30	55.48	Cum			
			1	15.00	1.00	1.50	22.50	"			
		End toe wall	1	15.00	0.90	1.50	20.25	II			
		End wall	2	13.10	0.90	1.40	33.01	u			
							131.24	Cum	151.00	19816.94	
2	2.15.1	In or under water and/or liquid mud, including pumping out water as required.(All water that									
		may accumulate in excavations during the									
		progress of the work from seepage, (not due									
		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									
		respect of each item but limited, to quantities of ,work excuted,in difficult condition.									
			1	15.00	1.00	1.50	22.50	Cum	30.20	679.50	
3	15.6	of ,work excuted,in difficult condition.	1	15.00	1.00	1.50	22.50	Cum	30.20	679.50	
3	15.6	of ,work excuted,in difficult condition. Bottom toe wall	1		13.40		34.21	Cum	30.20	679.50	
		of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm							30.20	679.50	
	15.6	of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm Filling by available excavated earth			13.40		34.21	Cum			
		of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm Filling by available excavated earth (excluding rock) in trenches, plinth, sides of			13.40		34.21	Cum			
		of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm Filling by available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm			13.40		34.21	Cum			
		of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm Filling by available excavated earth (excluding rock) in trenches, plinth, sides of			13.40		34.21	Cum			
		of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm Filling by available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm			13.40		34.21	Cum			
	2.16	of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm 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	1	13.80	13.40		34.21	Cum			
4	2.16	of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm 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 under 1.5 m	1	13.80	13.40		34.21 34.21	Cum Cum	1372.00	46936.3	
4	2.16 2.16 4.1	of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm 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 Lifet under 1.5 m Extra for every additional lift of 1.5 m or par Providing and laying in position cement	1	13.80	13.40		34.21	Cum Cum		46936.3	
4	2.16	of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm 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 und 1 5 m Extra for every additional lift of 1.5 m or par Providing and laying in position cement Cement concrete grade M-10 (Nominal Mix)	1	13.80	13.40		34.21 34.21	Cum Cum	1372.00	46936.3	
4	2.16 2.16 4.1	of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm 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 154 met 1 5 m Extra for every additional lift of 1.5 m or par Providing and laying in position cement Cement concrete grade M-10 (Nominal Mix) with 40 mm maximum	1	13.80	13.40		34.21 34.21	Cum Cum	1372.00	46936.3	
4	2.16 2.16 4.1	of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm 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 154 mmet 1 5 m Extra for every additional lift of 1.5 m or par Providing and laying in position cement Cement concrete grade M-10 (Nominal Mix) with 40 mm maximum 4.1.5 M 10	1 t the	13.80 reof in.	13.40 1372.00	0.19	34.21 34.21 230.00	Cum Cum Cum	1372.00	46936.3	
3 4 5	2.16 2.16 4.1	of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm 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 15.4 more to 50 m 15.4 more to 50 m 15	1	13.80 reof in. 13.80	13.40 1372.00 13.40	0.19	34.21 34.21 230.00 36.98	Cum Cum	1372.00		
4	2.16 2.16 4.1	of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm 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 15.4 mm and watering, lead up to 50 m and 15.4 mm for every additional lift of 1.5 m or par Providing and laying in position cement Cement concrete grade M-10 (Nominal Mix) with 40 mm maximum 4.1.5 M 10 Ghat Portion Bottom toe wall	1 t the 1	13.80 reof in. 13.80 15.00	13.40 1372.00 13.40 1.00	0.19	34.21 34.21 230.00 36.98 3.00	Cum Cum Cum	1372.00	46936.3	
4	2.16 2.16 4.1	of ,work excuted,in difficult condition. Bottom toe wall 15.6 Providing and laying Filter material sand passing through 4.75 mm 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 15.4 more to 50 m 15.4 more to 50 m 15	1 1 1	13.80 reof in. 13.80	13.40 1372.00 13.40	0.19 0.20 0.20 0.20	34.21 34.21 230.00 36.98	Cum Cum Cum Cum	1372.00	46936.39	

6	19.1	5 5 5 5								
		propping etc. and removal of form for :								
	19.1.1	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		19.30	"		
		End toe wall	1	15.00	1.30		19.50	u		
			1	14.50	1.30		18.85	u		
		End wall	2	13.10	1.20		31.44	u		
			2	14.60	1.20		35.04	u		
		Side	24	1.20	1.20	0.35	10.08	u		
		Side Ghat Portion	32	5.70			36.48	u		
		Side	32	0.40		0.20		u		
		FRONT Side	12	1.20			8.64	u		
							200.94	Sqm	160.00	32150.40
7	5.1	5.1 Providing and laying in position specified						1 - 1		
		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		14.63	u		
		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	u		
							81.14	cum	5435.0	440985.03
3	5.11	5.11 Reinforcement for R.C.C. work including								
		straightening, cutting,bending, upto 12mm								
		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.						1		
	5.11	78.5Kg per Cum of RCC	1	100.0	0.500	81.1	4056.90	ka	58.00	235300.20
)	13.8	Providing weep holes in Brick	1-	100.0	0.000	01.1	1000.70	<u>.</u> .	50.00	20000.20
	Road	masonry/Plain/Reinforced concrete abutment,								
	Roud	wing wall/return wall with 100 mm dia AC pipe,								
		5								
		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.								

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 cemer	t							
		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	Cam		
			32	5.70			36.48	Sqm		
		RISEGhat Portion						u		
			3	3.00			135.00			
		LANDING	12	1.20			17.28	"		+
		Side Side	12 24	1.20 1.20		0.60	8.64			
		Side	24	1.20		0.35	280.44	Sqm	660.00	185090.40
11	11.29	11.29 Extra for pre finished nosing in tread					200.44	John	000.00	105090.40
		LANDING	44	1.20			52.80	M	20.00	17025-20
12	7.25	Drawiding and fiving staining starl growing					436.80	Μ	39.00	17035.20
12	1.20	Providing and fixing stainless steel cramps								
		nequined size and change for enchaning sto	20							
		required size and shape for anchoring sto								
		wall lining to the backing or securing adjace								
		wall lining to the backing or securing adjace stones in stone wall lining in cement								
		wall lining to the backing or securing adjace stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand)								
		wall lining to the backing or securing adjace stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand) including making the necessary chases in	nt							
		wall lining to the backing or securing adjace stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand) including making the necessary chases in stone and holes in walls wherever require	nt :d.					1		
		wall lining to the backing or securing adjace stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand) including making the necessary chases in	nt	1.00	0.200	280.4	56.09	kg.	626.00	35111.09
		wall lining to the backing or securing adjace stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand) including making the necessary chases in stone and holes in walls wherever require	nt :d.	1.00	0.200	280.4			TOTAL	1249056.55
		wall lining to the backing or securing adjace stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand) including making the necessary chases in stone and holes in walls wherever require	nt :d.	1.00	0.200	280.4	GRAND		TOTAL 2x15	1249056.55 2,498,113.1
		wall lining to the backing or securing adjace stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand) including making the necessary chases in stone and holes in walls wherever require	nt :d.	1.00	0.200	280.4			TOTAL	1249056.55
		wall lining to the backing or securing adjace stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand) including making the necessary chases in stone and holes in walls wherever require	nt .d. 1 				GRAND SAY		TOTAL 2×15 Lacs	1249056.55 2,498,113.1

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