PROPOSED ESTIMATE FOR CONSTUCTION OF BOUNDARY WALL

The rates are taken from PWD(WB) schedule of rate for building works of Midnapore west effect from 01.11.2017. Page No SI \mathbf{R} Τ. н Rate Amount & IT / SI Description No. Quantity (Rs.) No. (m.) (m.) (m.) (Rs.) No Earth work in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sand stone) including removing, spreading or stacking the spills within a lead of 75 m. as directed. The item includes necessary trimming the bottom, bailing out water as required complete. a) Depth of excavation not exceeding 1500mm. 1.2a 6.00 1.80 1.80 1.20 23.33 Footing 15.00 1.20 1.20 1.20 25.92 7.00 2.05 1.80 0.25 0.65 Beam 1.2 12.00 1.50 0.25 0.65 2.93 1.00 1.55 0.25 0.65 0.25 Total 54.47 119.27 6497.00 Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer 1,3a complete. (Payment to be made on the basis of measurement of finished quantity of work)(1/5 of Excavation 9.850 77 54 764.000 of footing) Filling in foundation or plinth by local fine sand in layer not exceeding 150 mm. as directed and consolidating same by through saturation with water ramming complete, including the cost of sand. 2.4h 3 1.80 1.80 0.10 1 94 6.00 Footing 15.00 1.20 1.20 0.10 2.16 4.104 m^3 509.85 2092.000 Total Single brick flat soling of picket jhamma bricks including ramming and dressing bed or proper level and filling joints 14,1 4 with powered earth or local sand. 6.00 1.80 1.80 19.440 Footing 15.00 1.20 1.20 21.600 343.000 Total 19.440 6668.000 Cement concrete with graded stone ballast (40mm Size excluding shuttering) in ground floor. 34,22 5 0.08 6.00 1.80 1.80 1.458 A(a) (A)Pakur Variety 1:3:6 1.20 15.00 1.20 0.08 1.620 Total 3.078 m 5128.00 15784.000 Ordinary Cement concrete (mix 1:1.5:3) with graded stone Rate chips (20 mm nominal size) excluding shuttering and Analysis reinforcement if any, in ground floor as per relevant IS attached codes. Footing(1st Step) 6.00 1.80 3.888 1.15 1.80 0.20 2nd Step 6.00 2.484 Footing(1st Step) 15.00 1.20 1.20 0.20 4.320 15.00 0.73 1.20 0.20 2.610 2nd Step 3.338 12.00 0.25 0.25 4.45 Column 0.25 0.25 15.00 4.45 4.172 0.25 4.813 28.00 2.75 0.25 Beam 1,2,3,4 48.00 2.60 0.25 0.25 7.800 4.00 2.50 0.25 0.25 0.625 Total 34.049 5962.65 203022.000 Reinforcement for reinforced concrete work in the all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust (if necessary), cutting to requisite length, hoofing and bending to correct shape, placing in proper position and binding with 16 gauge black ennealed wire at every intersection, complete as per drawing and direction. i) in ground floor(1% of total concrete volume) Hire and labour charges for shuttering with centering and 2.673 MT 55629.00 148687.000 necessary staging upto 4 m. using approved stout props and 42,36 f & thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and stricking out after

	Page No & IT / Sl No	Description	No.	L. (m.)	B. (m.)	H. (m.)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		a) Shuttering for foundation concrete side, ground tie sides, plinth tie sides.								
		piniui de sides.	6.00	7.20		0.20	8.640			
		Frankin -	6.00	4.60		0.65	17.940			
		Footing	15.00	4.80		0.20	14.400			
			15.00	2.90		0.50	21.750			
		Column from G.L	12.00	1.00		0.65	7.800			
			15.00 28.00	1.00 2.75		0.65	9.750 19.250			
		Beam 1&2	48.00	2.60		0.25	31.200			
			4.00	2.50		0.25	2.500			
			Total				133.230	m ²	203.00	27046.000
		b) Chuttaring for colourns, been, slab shaiis								
		b) Shuttering for coloumns, beam, slab,chajja	25.00	1.00		3.55	88.750			
		Column	6.00	0.75		3.55	15.975			
			2.00	0.25		3.80	1.900			
			28.00	2.75		0.25	19.250			
		Beam 3&4	48.00	2.60		0.25	31.200			
			4.00	2.50		0.25	2.500		***	
9	15, 8(a)	Duigh work with 1st Class Duish in any (1.0)	Total				159.575	m~	321.00	51224.000
9	15, 0(a)	Brick work with 1st Class Brick in cement mortar (1:6) 250 mm								
		(a) In foundation & Plinth								
		W. II 4	7.00	2.75	0.25	0.15	0.722			
		Wall 1	12.00	2.60 2.50	0.25	0.15	1.170 0.094			
			7.00	2.75	0.25	2.05	9.866			
		Wall 2	12.00	2.60	0.25	2.05	15.990			
			1.00	2.50	0.25	2.05	1.281			
			Total				29.123	m ³	5103.00	148612.000
10		125 mm. thick Brick work with 1st class bricks in cement mortar (1:4) in ground floor.								
	16, 16	W. 11.2	7.00	2.75		1.25	24.063			
		Wall 3	12.00	2.60 2.50		1.25 1.25	39.000 3.125			
			Total	2.50		1.23	66.188	m ²	701.00	46397.000
			Total				00.100		701.00	10377.000
11		Plaster (to wall, floor celling etc) with sand and cement morter including rounding off or chamfering corners as directed and ranking out joints includingthroughting, nosing and drip course, scaffolding/staging where necessary (In ground floor).								
		15 mm th. Plaster (4:1) morter								
	189,		14.00 24.00	2.75 2.60		0.15 0.15	5.775 9.360			
	1(ii)(b)		24.00	2.50		0.15	0.750			
	/		14.00	2.75		2.05	78.925			
a		Wall 1,2,3	24.00	2.60		2.05	127.920			
			2.00	2.50		2.05	10.250			
			14.00	2.75		1.25	48.125			
			24.00	2.60 2.50		1.25 1.25	78.000 6.250			
			Total	2.50		1.23	365.355		150.00	54803.000
		window sill, floor etc.								
		NOTE: Cement 0.152 cu.m per100 sq.m.								
		X	14.00	2.75		0.15	5.775			
12	192,15		24.00	2.60		0.15	9.360			
		Wall 1,2	2.00	2.50		0.15	0.750			
			14.00 24.00	2.75 2.60		2.05	78.925 127.920			
			2.00	2.50		2.05	10.250			
			Total				232.980		34.00	7921.000
		Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly								
13	197, 15(iii)	(plastered or concrete surface) as per manufacturer's specification. In Ground floor								

	No	Description	No.	L. (m.)	B. (m.)	H. (m.)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
	13(m)	Two Coats								
	Wall 3		14.00	2.75		1.25	48.125			
			24.00	2.60		1.25	78.000			
			2.00	2.50		1.25	6.250			
			Total 132.375 m^2 49.00					49.00	6486.000	
							TOTA	L CO	ST(A) Rs.	726003.00
Add GST(6% CGST +6% SGST)ON SL NO A) B @12% RS									87,120.36	
Cost ofcivil works excluding labour welfare cess (C=A+B)RS									8,13,123.36	
Labour welfare Cess(on sl no C) @ 1.00% (D)RS									8,131.23	
Cost of civil works including labour welfarecess(E=C+D)RS									8,21,255.00	
Add Contingency (on sl no C) @3%)RS									24,393.70	
TOTAL ESTIMATED COST									8,45,649.00	

TOTAL ESTIMATED COST (IN WORD)-EIGHT LAKH FIFTY FOUR THOUSAND TWO SEVENTY NINE ONLY

N:B-The construction is made on loose soil. As the foundation have to constructed on existing hard soil, so the column hight is taken from hard soil to loose soil to above

ANNEXURE-II, Page No. 307, Schedule of Rates for Building Works										
FORMAT-A										
(Format for Rate Analysis of Cement Concrete items)										
Cement Concrete 1:1.5:3										
	•	1:1.5:3) with graded stone chips								
		shuttering and reinforcement if								
any, in g		rant IS codes P-26, IT no- 10 of								
	PWD Building S	chedule of Rates		4248.00	A					
	Gradation of	Stone Metal	10		ided aggr	agatas	20 mm g	mo do d		
Cost of m		P-308) T-1 from midnapore	10		569.00	egates	1700.			
	T-2, P - 310	P-308) 1-1 from findhapore		1.	309.00		1700.	00		
Upto 5km	-	124.00								
	10.90 X5	54.50								
	10.10X10	101.00								
20-50km		0.00								
	8.40X50	0.00								
	7.90X50	0.00								
	С	279.50		1569.00				00		
	Cost of 20 mm grades	s aggregates (P-B-60)	0.86	cum	0.573	1700.00	974.10			
	Cost of 10 mm grades	s aggregates (P-B-60)	0.86	cum	0.287	1569.00	450.30			
							1424.40	В		
Cost of 20 mm grades aggregates (P-B-60)				cum	0.573	279.50	160.15			
	Cost of 10 mm grades aggregates (P-B-60)			cum	0.287	279.50	80.22			
							240.37	С		
Loading & Unloading (D)T-3, P - 311				cum		58.00	49.88	D		
							70.52.55			
					<u> </u>	A+B+C+D	5962.65			

Cement Concrete 1:2:4									
Ordinary Cement co	oncrete (mix	1:2:4) with graded stone chips							
(20 mm nominal size) excluding shuttering and reinforcement if									
any, in ground floor as per relevant IS codes P-24, IT no- 4 of									
PWD Building Schedule of Rates							3647.00	A	
						!			
	Gradation of Stone Metal			mm gra	20 mm graded				
Cost of material Pa	kur variety (P-308) T-1 from midnapore		1:	569.00		1700.00		
Carriage T-2, P - 3									
Upto 5km		124.00							
5-10km 10.90 X5		54.50							
10-20km 10.10X10		101.00							
20-50km 9.50X00									
50-100 8.40X50		0.00							
100-150 7.90X50		0.00							
	С	279.50	1569.00				1700.00		
Cost of 2	20 mm grade	s aggregates (P-B-60)	0.88	cum	0.66	1700.00	1122.00		
Cost of 1	10 mm grade	s aggregates (P-B-60)	0.88	cum	0.22	1569.00	345.18		
							1467.18	В	
Cost of 20 mm grades aggregates (P-B-60)			0.88	cum	0.66	279.50	184.47		
Cost of 10 mm grades aggregates (P-B-60)			0.88	cum	0.22	279.50	61.49		
	<u>'</u>						245.96	C	
Loading & Unloading (D)T-3, P - 311			0.88	cum		58.00	51.04	D	
						A+B+C+D	5411.18	·	