		PROPOSED ESTIMATE FOR CON							IEETI	NG HALI	
		As per WB P.W.D B	uıldın	g Schedule	e of Rate	es valid th	rough 0	1.11.2017	I	1	
Sl no	Ref Page no, Item no	Description of items	No	L (m)	B (m)	H (m)	Qty	Total Quantity	Unit	Rate	Amount (Rs.)
1	1,2a	Earth work in excavation in foundation trenches or drains or, septic tank soak well etc in all sorts of soil (including mixed soil but excluding moorum and laterite or sand stone) including removing, spreading or stacking the spoils within a lead of 75 M as directed including trimming the side of trenches leveling dressing and ramming the bottom bailing or pumping out water etc. as required complete.Depth of excavation not exceeding 1.5 m (not required showing)  a) Depth of excavation not exceeding 1,500 mm.		2.40	1.80	1.50	77.76				
		For Tie Beam (for outer wall)	12	54.50	0.25	0.20	2.73	80.485	Cum	110.27	9,599.45
		(b) Depth of excavation for additional depthbeyond 1,500 mm. and upto 3,000 mm. but notrequiring shoring	1	34.30	0.23	0.20	2.73		Cum	119.27	7,377.43
		For Footings	12	1.80	2.40	0.30	15.55	15.552	Cum	192.38	2,991.89
2	2,(4,B	Filling in foundation or plinth by fine sand in layers not exceeding 150 mm as directed an consolidating same by through saturation with water ramming complete including the cost of supply of sand [payment to be made on measurement of finished quantity.]									
		For Footings	12	1.80	2.40	0.30	15.55				
		For Tie Beam (for outer wall)	1	54.50	0.25	0.15	2.04				
		Below floor	1	15.10	5.30	0.30	24.01				
		Deduction for inner tie beam	1	18.00	0.25	0.30	-1.35	40.255	Sqm	509.85	20,523.88
3	1,(3a)	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 complete. (Payment to be made on the basis of measurement of finished quantity of work)(1/5 of Excavation)	1					14.806	Cum	77.54	1,148.06
4	Rate Analy sis Attach	Ordinary Cement concrete (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									
	ed	For Footings	12	1.80	2.40	0.15	7.78	7.776	Cum	5411.18	42,077.34
		Floor	1								
5	15,8(a	Brick work with 1st class brick in cement mortar (6:1)									
	)	In foundation & plinth up to PL	1	54.50	0.25	0.10	1.36	1.363	Cum	5103.00	6,952.84
	15,8(b )	1st class brickwork in super structure	1	11.40	0.25	2.05	0.10				
		For Ground floor(250mm 6:1)	1	11.40	0.25	2.85	8.12				
		For First floor	1	45.50	0.25	3.00	34.13				
		For Stair Room on top floor	1	13.60	0.25	2.10	7.14				
		Less for Doors D	2	1.20	0.25	2.10	-1.26				
		DI	2	0.75	0.25	2.10	-0.79				
6		W1	7	1.20	0.25	1.20	-2.52				
		For Stair Entry	1	2.40	0.25	3.00	-1.80	43.020	Cum	5325.00	2,29,081.50
		Tor Stair Entry		2.40	0.23	5.00	1.00	13.020	Cum	5525.00	2,27,001.

Sl no	Ref Page no, Item no	Description of items	No	L (m)	B (m)	H (m)	Qty	Total Quantity	Unit	Rate	Amount (Rs.)
	16,16	125 mm th. Brick work with 1st class bricks in cement morter (1:4)									
		Foor First Floor	1	23.63		3.00	70.88				
		For Stair Railing -	2	3.10		0.75	4.65				
		Less for Windows	1	9.50		1.20	-11.40				
		For Parapet Wall	1	43.55		0.75	32.66	96.788	Sqm	701.00	67,848.04
		Hire and labour charges for shuttering with centering and necessary staging upto 4 m. using approved stout props and 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 completion of works.(upto roof of ground floor)									
		Side of footing	12	8.80		0.15	15.84				
			12	8.80		0.25	26.40				
		Column (G.L to P.L)	12	8.80 0.30		0.35	36.96 3.24				
		Column (G.L to P.L)	12	0.30		0.90	0.36				
	12.26	C: 1f4:- 1 (f									
7	42,36 f & a	Side of tie beam (for outer wall)	1	54.50		0.35	19.08	101.515	Sqm	203.00	20,607.55
		Shuttering for column, beam, chajja, slab						101.515	Sqiii	203.00	20,007.55
		For Column	12	1.40		4.90	82.32				
			12								
		Side of lintel	7	63.00	0.45	0.15	18.90				
		Chajja for windows Side of roof beam - 1	12	6.78	0.45	0.33	4.41 26.42				
			4								
		Side of roof beam - 2		15.10		0.18	10.57				
		Stair Fight Slab	2	3.00 2.40		1.20					
		Bottom of Stair slab for landing			6.00	1.20	5.76				
		Bottom of roof Slab	2	15.60	6.98	0.20	217.62				
		Deduction for Column Opening(12x1)	-12	0.40		0.30	-1.44	378.963	Sqm	321.00	1,21,647.00
		Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes						376.903	Sqiii	321.00	1,21,047.00
		Footing	12	1.70	2.30 *0.35=0.	0.25	11.73 8.40				
		Column	12	0.30	0.40	4.90	7.06				
	Rate	Tie beam	1	54.50	0.25	0.35	4.77				
8	Analy sis	Lintel	2	63.00	0.25	0.15	4.73				
		Chajja	7	1.40	0.45	0.08	0.33				
	ed	Stair Slab	4	3.00	1.20	0.15	2.16				
		Stair	40	1.20	0.25	0.15	1.80				
		Stair landing	2	2.40	1.20	0.15	0.86	<u> </u>		-	
		Roof beam-3 (G.F & F.F)	12	6.78	0.25	0.33	6.61				
		Roof Beam-2 (G.F & F.F)	4	15.00	0.25	0.18	10.50				
		Roof Slab(Ground floor & 1st Floor)	2	15.60	6.98	0.13	27.20				
							86.14	86.143	Cum	5962.65	5,13,639.0

	Ref										
SI	Page no,	Description of items	No	L (m)	В	H (m)	Qty	Total	Unit	Rate	Amount (Rs.)
no	Item				(m)			Quantity			` /
	no	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									
9	43,40( a)II	proper position and binding with 16 gauge black									
	a)11	ennealed wire at every intersection, complete as per drawing and direction. In ground floor.(Other									
		than SAIL/ TATA/RINL)									
10		@ 1.2% of the total concrete volume						8.115	M.T	55629.00	4,51,409.00
10		Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottomguide rail, 20mm x 10mm x									
		2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as									
		collapsible									
	106,1 8	bracings properly rivetted and washered including 38mm steel rollers including locking									
		arrangements, fitted and fixed in position with									
		lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc.									
		and making good damages complete.									
		Collapsible Gate (C.G)	2	2.00	2.10		8.40	8.400	Sqm	3402.00	28,576.80
		Wood work in door and window frame fitted and fixed in position complete including a protective									
		coat of painting at the contact surface of the									
	h)	frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be									
		correted upto three decimals).									
11		h) Neem, Jam, Jackfruits									
		D	3	2.10	0.10	0.07	0.04				
		DI	2	2.10	0.10	0.07	0.03				
		W1	7	1.20	0.10	0.07	0.05				
								0.123	Cum	53057.00	6,518.05
		Panel shutters of door and window, as per design (each panel consisting of single plank without									
		joint), including fitting and fixing the same in									
		position but excluding the cost of hinge and other fittings. In ground floor. (In case of non-supply of									
		single plank, penal rate of reduction of 20% will be made)									
12		,									
		(iv) 25mm thick shutters with 12mm thick panel of size 30 to 45 cm.									
		b) Sishu, Gamar, Champ,Badam,Bhola, Mogra, Hallak.									
		D	3	2.00		1.08	6.45				
		DI	2	2.00		0.63	2.50	15.050	C	21.40.00	242555
		W1 Supplying, fitting and fixing M.S. clamps for	7	1.00		1.00	7.00	15.950	Sqm	2149.00	34,276.55
	140,4,	door and window frame made of flat bent bar,									
	(a) &	end bifurcated with necessary screws etc. by cement concrete(1:2:4) as per direction. (Cost of									
13	(c)	concrete will be paid separately)									
		a) 40mm X 6mm, 250mm Length for doors	5					20.000	nos.	29.00	580.00
		(c) 40mm X 6mm, 125mm Length for windows	7					36.000	nos.	20.00	720.00

Sl	Ref Page no, Item no	Description of items	No	L (m)	B (m)	H (m)	Qty	Total Quantity	Unit	Rate	Amount (Rs.)
		Iron butt hings of approved quality fitted and									
14	vii)	fixed with steel screws,with ISI mark 100mm X 58 mm X 1.9 mm for doors &						92.000	nos.	47.00	4,324.00
		Iron socket bolt of approved quality fitted and									,
15	141,8(	fixed complete									
13	) &(c	For Doors( 225mm long x 10mm dia bolt.)	5					5.000	nos.	77.00	385.00
		For Windows (150mm long x 10mm dia bolt.)  Iron hasp bolt approved quality fitted and fixed	7					9.000	nos.	63.00	567.00
16	142,1 0(i)(c	complete (oxided)with 16 mm dia rod with centre bolt & round fitting (300mm long.)									
			5					5.000	nos.	166.00	830.00
17		Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]									
		15 mm thick inside plaster with cement morter									
		1:6 For Ground floor	1	11.40		2.85	32.49				
		For First floor	1	94.23		3.00	282.68				
A	189,1( i)( c)										
	1)( 0)	Less for doors & windows W1	7	1.20		1.20	-10.08				
		D	2	1.20		2.10	-5.04				
		D1	2	0.75		2.10	-3.15	296.895	Sqm	134.00	39,783.93
		20 mm thick outside plaster with cement mortar 1:6									
В	189,1( i)(b)			13.10		2.85	37.34				
	1)( 0)	For First floor	1	43.55		3.00	130.65				
		Less for doors & windows W1	7	1.20		1.20	-10.08	157.905	Sqm	152.00	24,001.56
С	189,1( ii)( c)	10 mm thick ceiling plaster with cement morter 1:4	2	15.00	6.78		203.25	203.250	Sqm	122.00	24,796.50
18	194,	White washing including cleaning and smoothening surface thoroughly. All floorsThree coats (On new work only).									
	1(c)	Quantity same as the inside + ceiling plaster quantity					500.15	500.145	Sqm	20.01	10,008.00
19	194,3( ii)(b)	Colour washing with "ELLA" with a coat of white wash priming including cleaning and smoothening surface thoroughly: External surface (ground floor). Two coats									
		Quantity same as the outside plaster quantity					157.91	157.905	Sqm	21.77	3,438.00
20	197, 15(iii)	Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly (plastered or concrete surface) as per manufacturer's specificationIn Ground floor. Two coats									
		Qty as per sl no 18+ sl no 19					658.05	658.050	Sqm	49.00	32,244.00
	200, 1(b)	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surface by sand papering etc.									
21		W1	7	1.00		1.00	7.00				
		D	3	1.08		2.00	6.45				
		D1	2	1.08		2.00	4.32				

SI	Ref Page no, Item no	Description of items	No	L (m)	B (m)	H (m)	Qty	Total Quantity	Unit	Rate	Amount (Rs.)
		C.G	2	2.00		2.10	8.40	26.170	Sqm	38.00	994.46
22	201,3( B)(b)	8 (B) Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface.									
		(Quantity same as priming surface) (b) Two coats						26.170	Sqm	57.00	1,491.69
23	54,17	18 mm. to 22 mm. thick, kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer - in - charge to match with the existing work. [Slurry for bedding @ 4.4 kg/Sq.m and pointing @2.0 kg/Sq.m]									
		Stair Step-	40	1.00	0.40			16.000	Sqm		
		Stair Landing	2	2.00	1.00			4.000	Sqm		
		For Step of Plinth level	1	2.40	1.20			2.880	Sqm		
								22.880	Sqm	1002.00	22,925.76
24	a)(i)	Supplying, fitting and fixing Marble Slab/tile of 15 to 18 mm thickness in floor, lobby, stair, landing & treads etc. over 20 mm (av.) thck base of Cement mortar (1:2) laid with white cement slurry @ 4.4 kg/Sq.m before placing marble & jointed with white cement slurry @ 2.0 kg/Sq.m with necessary pigments including grinding and Granite polishing as per direction of Engineering in -Charge in Ground Floor. {White cement and Pigment to be supplied by the Agency]									
		(a) With Makrana plain pink / Adranga Pink / Garbh Gulabi / Udaypur pink / Udaypur Green / Black Bhaslana (i) Area of each Slab/tile upto 0.3 sq.m.	1	15.00	6.78			101.625	Sqm		
							-	101.625	Sqm	1446.00	1,46,949.75
	-				-					COST Rs.	18,70,936.59
											2,24,512.39
-	Add GST@ 12%(B)  Cost ofcivil works excluding labour welfarecess(C=A+B)								20,95,448.98		
					C	ofoir:!1 -	ouleo !1			@ 1.00%(D)	20,954.49
					Cost	OICIVII WO	orks inclu	ding labour w		ngency(3%)	21,16,403.47 62,863.47
								TOTAL ES		• • •	21,79,267.00
TOTAL ESTIMATED COST									, ,		

TOTAL ESTIMATED COST(IN WORD)-TWENTY ONE LAKH SEVENTY NINE THOUSAND TWO HUNDRED SIXTY SEVEN ONLY

		ANNEXURE-II									
	FORMAT-A										
(Format for Rate Analysis of Cement Concrete items)											
		Cement Concrete 1:1.5									
Ordinary	Cement concrete (mix 1:1.5	(:3) with graded stone chips (20 mm nominal									
size) exc	luding shuttering and reinfor										
IS codes P-26, IT no- 10 of PWD Building Schedule of Rates											
							12.10.00				
	1						4248.00	Α			
	O 1	n of Stone Metal	1/	)	- La da 1 -		20 1				
Cost of m			10		graded agg 1569.00	gregates	20 mm graded aggregate 1700.00				
Cost of material Pakur variety (P-308) T-1 from midnapore Railway Yard,  Carriage T-2, P - 310					1309.00		170	0.00	)		
Upto 5km		124.00									
5-10km	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		1700.00				
	Cost of 20 mm gr	ades aggregates (P-B-60)	0.86	cum	0.573	1700.00	974.10				
	Cost of 10 mm gr	ades aggregates (P-B-60)	0.86	cum	0.287	1569.00	450.30				
							1424.40	В			
	<u>u</u>	ades aggregates (P-B-60)		cum	0.573	279.50	160.15				
	Cost of 10 mm gr	ades aggregates (P-B-60)	0.86	cum	0.287	279.50	80.22				
							240.37				
	Loading & Unl	oading (D)T-3, P - 311	0.86	cum		58.00	49.88	D			
						A . D . C . D	50.62.65				
						A+B+C+D	5962.65				

		Cement Concrete 1:2:	:4						
-		with graded stone chips (20 mm nominal sement if any, in ground floor as per relevant							
	S codes P-24, IT no- 4 of PWD Building Schedule of Rates								
							3647.00	A	
				<u> </u>				Щ	
		n of Stone Metal	10	0 mm g	graded agg	gregates	20 mm grade	ed ag	gregates
		3) T-1 from midnapore Railway Yard,							
Distance=20 Km.					1569.00		1700.00		
Carriage	T-2, P - 310								
Upto 5km		124.00							
5-10km	10.90 X5	54.50							
10-20km	10.10X10	101.00							
20-50km	9.50X00	0.00							
50-100	8.40X50	0.00							
100-150	7.90X50	0.00							
	С	279.50			1569.00		170	0.00	
	Cost of 20 mm g	rades aggregates (P-B-60)	0.88	cum	0.66	1700.00	1122.00		
		rades aggregates (P-B-60)		cum	0.22	1569.00	345.18		
	0 0 0 1 1 0 mm g.		0.00		0.22	10 03 10 0	1467.18	В	
	Cost of 20 mm gr	rades aggregates (P-B-60)	0.88	cum	0.66	279.50	184.47		
	Cost of 10 mm grades aggregates (P-B-60)				0.22	279.50	61.49		
							245.96	C	
	Loading & Unl	oading (D)T-3, P - 311	0.88	cum		58.00	51.04	D	
						A+B+C+D	5411.18		