

ESTIMATE FORM

ENGLISHBAZAR MUNICIPALITY, MALDA

Estimate of Civil Works for Construction of Public Toilet Block near Sarbamangala Pally Than Under Englishbazar Municipality, Malda (W.B). (MODEL NO -F)

Sl. No	Description of Item							Quantity	Rate	Unit	Amount
	Count	No(s)	L	W/B	H/D	Total					
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm. PWD(WB), S.O.R. Volume- I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 1										
	Column Footing	4.000	1.000	1.200	1.200	1.125	6.480				
	Tie Beam	2.000	1.000	4.350	0.250	0.475	1.033				
		3.000	1.000	2.325	0.250	0.425	0.741				
	Part beam	1.000	1.000	1.725	0.250	0.425	0.183				
		1.000	1.000	1.200	0.250	0.425	0.128				
		1.000	1.000	1.000	0.250	0.425	0.106				
	Stair	1.000	1.000	2.250	0.750	0.075	0.127				
	water reservior	1.000	1.000	1.550	1.400	1.450	3.147				
							11.945	11.945	11927.00	%Cum.	1424.68
2	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) (a) With earth obtained from excavation of foundation PWD(WB), S.O.R. Volume- I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 1										
	2/3 of It. No- 1		2/3	11.945			7.963	7.963	7754.00	%Cum.	617.45
3	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) PWD(WB), S.O.R. Volume- I : Building Works w.e.f. 01/11/2017, Item No.-4(A), Page No. - 2										
	Toilet, urinal	1.000	1.000	1.725	1.200	0.600	1.242				
		1.000	1.000	1.500	1.200	0.600	1.080				
		1.000	1.000	2.325	1.375	0.600	1.918				
		1.000	1.000	1.725	1.000	0.600	1.035				
		1.000	1.000	1.125	1.000	0.600	0.675				
								5.950	5.950	43131.00	%Cum.
4	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. 3rdCORRIGENDA&ADDENDA,Dated:04.06.2018,Page1of 96, PWD(WB), S.O.R. Volume- I : BuildingWorksw.e.f. 01/11/2017, Item No.-1, Page No. - 14										
	Column	4.000	1.000	1.200	1.200		5.760				
	Tie Beam	2.000	1.000	4.350	0.250		2.175				
		2.000	1.000	2.325	0.250		1.163				
	Part Beam	1.000	1.000	1.725	0.250		0.431				
		1.000	1.000	1.200	0.250		0.300				
		1.000	1.000	1.000	0.250		0.250				

	1.000	1.000	2.250	0.750		1.688				
	1.000	1.000	4.100	2.375		9.738				
water reserrior	1.000	1.000	1.550	1.400		2.170				
						23.675	23.675	322.00	Sq.M	7623.35

5	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. Rate Analysis Enclosed										
	Column	4.000	1.000	1.200	1.200	0.100	0.576				
	Tie Beam	2.000	1.000	4.350	0.250	0.100	0.218				
		2.000	1.000	2.325	0.250	0.100	0.116				
	Part Beam	1.000	1.000	1.725	0.250	0.075	0.032				
		1.000	1.000	1.200	0.250	0.075	0.023				
		1.000	1.000	1.000	0.250	0.075	0.019				
	Stair	1.000	1.000	2.250	0.750	0.100	0.169				
		1.000	1.000	2.250	0.500	0.100	0.113				
		1.000	1.000	2.250	0.250	0.100	0.056				
	Plinth Protection	1.000	1.000	17.350	0.500	0.100	0.868				
	Floor	1.000	1.000	4.100	2.375	0.100	0.974				
		1.000	1.000	1.550	1.400	0.075	0.163				
	water reserrior						3.327	3.327	4521.93	Cu.M	15044.46

6	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. (i) Pakur Variety [PWD BUILDING WORKS, Page- 26, It. No- 10. i] Rate Analysis Enclosed									
	Footing	4.000	1.000	1.200	1.200	0.200	1.152			
	(1.20 + 0.40) / 2 = 0.80	4.000	1.000	0.800	0.800	0.200	0.512			
		4.000	1.000	0.400	0.400	0.300	0.192			
	Tie Beam	3.000	1.000	2.325	0.250	0.250	0.436			
	Part beam	1.000	1.000	1.200	0.250	0.250	0.075			
	Tie Beam	2.000	1.000	4.350	0.250	0.300	0.653			
	Part beam	1.000	1.000	1.725	0.250	0.250	0.108			
	Part beam	1.000	1.000	1.000	0.250	0.250	0.063			
	Col[2.875+0.25+0.6]= 3.725	4.000	1.000	0.250	0.250	3.725	0.931			
	Lintel	3.000	1.000	2.325	0.250	0.150	0.262			
		2.000	1.000	4.350	0.250	0.150	0.326			
	Protection wall	1.000	1.000	1.725	0.125	0.150	0.032			
		1.000	1.000	1.200	0.125	0.150	0.023			
		1.000	1.000	1.000	0.125	0.150	0.019			
	Chazza	3.000	1.000	0.500	0.450	0.100	0.068			
	Roof beam	2.000	1.000	4.850	0.250	0.275	0.667			
		3.000	1.000	2.825	0.250	0.175	0.371			
	Roof slab	1.000	1.000	5.150	3.125	0.125	2.012			
	1.85+0.15*7=5.15									
	water reserrior Bed	1.000	1.000	1.550	1.400	0.100	0.217			
	water reserrior Slab	1.000	1.000	1.550	1.400	0.125	0.271			

						8.390	8.390	5052.35	Cu.M	42389.22	
	<p>mm. thick damp proof with cement concrete (1:1.5:3) (with graded stone aggregate 10 mm. normal size) and painting the top surface with a coat of bitumen [VG.40] using 1.7 kg. per sq.m. including heating the bitumen and cost and carriage of all materials complete. [Bitument to be supplied by the Agency]</p> <p>3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 22 of 96, PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-2, Page No. - 47 Rate Analysis Enclosed</p>										
	Tie Beam	2.000	1.000	4.350	0.250		2.175				
		3.000	1.000	2.325	0.250		1.744				
	Part beam	1.000	1.000	1.725	0.125		0.216				
		1.000	1.000	1.200	0.125		0.150				
		1.000	1.000	1.000	0.125		0.125				
							4.410	4.410	245.01	Sq.M	1080.49
8	<p>125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor. Rate Analysis Enclosed</p>										
	Partation wall	1.00	1.00	1.73		2.725	4.701				
	2.875-0.15 = 2.725										
		1.00	1.00	1.20		2.725	3.270				
		1.00	1.00	1.00		2.725	2.725				
	Parapet wall	1.00	1.00	15.35		0.300	4.605				
							15.301	15.301	668.33	Sq.M	10226.12
9	<p>Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.or. PWD(WB), S.O.R. Volume- I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 47</p>										
		1.000	1.000	17.350	0.500		8.675	8.675	24.00	Sq.M	208.20
10	<p>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 and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (When the height of a particular floor is more than 4 m the equivalent floor height shall be taken as 4 m and extra for works beyond the initial 4 m ht. shall be allowed under 12 (e) for every 4 m or part thereof) (f) 25 mm to 30 mm shuttering without staging in foundation PWD(WB), S.O.R. Volume- I : Building Works w.e.f. 01/11/2017, Item No.-36, Page No. - 42</p>										
	Footing	4.000	4.000	1.200		0.200	3.840				
	Column pedestal	4.000	4.000	0.400		0.300	1.920				
	Column	4.000	4.000	0.250		0.850	3.400				
	Tie Beam	2.000	2.000	4.350		0.300	5.220				
		3.000	2.000	2.325		0.250	3.488				
	Part beam	1.000	2.000	1.725		0.250	0.863				
		1.000	2.000	1.200		0.250	0.600				
		1.000	2.000	1.000		0.250	0.500				
	water reservior slab side	1.000	1.000	5.900		0.125	0.738				
							20.569	20.569	205.00	Sq.M	4216.65

labour charges for shuttering with centering and necessary staging upto 4 m
 approved stout props and thick hard wood planks of approved thickness with
 required bracing for concrete slabs, beams and columns, lintels curved or straight
 including fitting, fixing and striking out after completion of works (upto roof of ground
 floor)
 (When the height of a particular floor is more than 4 m the equivalent floor height shall
 be taken as 4 m and extra for works beyond the initial 4 m ht. shall be allowed under 12
 (e) for every 4 m or part thereof)
 (c) Steel shuttering or 9 to 12 mm thick approved quality ply
 board shuttering in any concrete work
 PWD(WB), S.O.R. Volume- I : Building Works w.e.f.
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Column	4.000	4.000	0.250		2.725	10.900					
Lintel	2.000	2.000	4.850		0.150	2.910					
	3.000	2.000	2.825		0.150	2.543					
Partiaion wall	1.000	2.000	1.725		0.150	0.518					
	1.000	2.000	1.200		0.150	0.360					
	1.000	2.000	1.000		0.150	0.300					
Opening, Door	2.000	1.000	1.050		0.250	0.525					
	2.000	1.000	0.750		0.125	0.188					
Window	3.000	1.000	0.450		0.250	0.338					
Chazza	3.000	1.000	0.500		0.450	0.675					
	3.000	1.000	1.400		0.100	0.420					
Roof beam	4.000	1.000	2.225		0.250	2.225					
	2.000	1.000	4.350		0.275	2.393					
	2.000	1.000	1.725		0.125	0.431					
	2.000	1.000	2.500		0.125	0.625					
Outerside	1.000	1.000	15.350		0.275	4.221					
Roof slab	1.000	1.000	4.850	2.825		13.701					
water reservior slab bottom	1.000	1.000	1.050	0.900		0.945					
						44.218	44.218	363.00	Sq.M.	16051.13	
12	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (ii) 25 mm. thick										
	Roof	1.00	1.00	5.15		3.13	16.094	16.094	243.83	Sq.M.	3924.2
13	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. 10th CORRIGENDA & ADDENDA, Dated: 22.01.2020, Page - 1 of 6, PWD(WB). S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-40, Page No. - 43 (a) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel III. OTHER MANUFACTURERS NOT SPECIFIED										
	1.20% of Item No(6)	0.012	8.390	7.850			0.790	0.790	58229.74	MT	46001.49

Gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 20mm vertical channels 100mm apart in fully stretched position 20mm x 5mm S. flats as collapsible bracings properly rivetted and washed 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.
 (Add extra @ 1% for each addl. floor upto 4th floor and @ 1.25% for each addl. floor above 4th floor)
 In ground floor.
 3rd CORRIGENDA&ADDENDA, Dated:04.06.2018, Page92
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 01/11/2017, Item No.-18, Page No. - 106

	1.00		2.05	2.10		4.305	4.305	4351.00	Sq.M	18731.06
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15	Brick work with 1st class bricks in cement mortar (1:6) (b) In superstructure, ground floor Rate Analysis Enclosed										
	[3.0-(0.375+0.15) = 2.475]	1.000	3.000	2.325	0.250	2.475	4.316				
		1.000	2.000	4.350	0.250	2.475	5.383				
	Deduction										
	Window	-3.000	1.000	0.450	0.250	0.600	-0.203				
	Door	-1.000	1.000	2.050	0.250	2.100	-1.076				
							8.420	8.420	5095.88	Cu.M	42907.31

16	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth Rate Analysis Enclosed										
		1.000	2.000	4.350	0.250	0.600	1.305				
	above Tie Beam	1.000	3.000	2.850	0.250	0.600	1.283				
	water reservoir	1.000	1.000	5.980	0.250	1.200	1.794				
							4.382	4.382	4872.88	Cu.M	21352.96

17	Labour for Chipping of concrete surface before taking up Plastering work. [PWD BUILDING WORKS, Page- 192, It. No- 1]										
	Column	4.000	4.000	0.250		3.350	13.400				
	Lintel	3.000	2.000	2.325		0.150	2.093				
		2.000	2.000	4.350		0.150	2.610				
	Partition wall	1.000	2.000	1.600		0.150	0.480				
		1.000	2.000	1.200		0.150	0.360				
		1.000	2.000	1.000		0.150	0.300				
	Below opening										
	Window	3.000	1.000	0.450		0.250	0.338				
	Door	2.000	1.000	1.050		0.250	0.525				
		2.000	1.000	0.750		0.125	0.188				
	Chazza	3.000	1.000	1.400		0.100	0.420				
	Roof beam	4.000	1.000	4.850		0.275	5.335				
		6.000	1.000	2.825		0.175	2.966				
	In side	2.000	2.000	4.350		0.125	2.175				
	Inside	2.000	1.000	2.325		0.125	0.581				
	Roof	1.000	1.000	4.350		2.825	12.289				
							44.060	44.060	21.000	Sq.M	925.26

(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]
 (i) With 1:6 cement mortar
 (c) 15 mm thick plaster
 Rate Analysis Enclosed

Outside	1.000	2.000	4.850		3.900	37.830				
	1.000	2.000	2.825		3.900	22.035				
Chazza	3.000	1.000	0.450	0.500		0.675				
	3.000	1.000	1.400		0.100	0.420				
Inside	4.000	1.000	2.325		3.900	36.270				
	2.000	1.000	4.850		3.900	37.830				
Partion wall	1.000	1.000	1.725		2.875	4.959				
	1.000	1.000	1.200		2.875	3.450				
	1.000	1.000	1.000		2.875	2.875				
Parapet wall	1.000	2.000	4.730	0.125		1.183				
	1.000	2.000	2.700	0.125		0.675				
Insde	1.000	2.000	4.350		0.300	2.610				
	1.000	2.000	4.325		0.300	2.595				
Deduction	-2.000	2.000	1.050		2.100	-8.820				
	-2.000	2.000	0.750		2.100	-6.300				
	-3.000	2.000	0.450		0.600	-1.620				
Water Reservior	1.00	1.00	3.90		1.200	4.680				
						141.347	141.347	139.48	Sq.M	19715.08
19	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] (ii) With 1:4 cement mortar (c) 10 mm thick plaster Rate Analysis Enclosed									
	Chazza	3.00	1.00	0.45		0.500	0.675			
	Roof	1.00	1.00	4.35		2.325	10.114			
						10.789	10.789	124.48	Sq.M	1343.01
20	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m. Rate Analysis Enclosed									
	G.L to P.L	1.00	1.00	15.35		0.60	9.210			
	Water Reservior	1.00	1.00	3.90		1.20	4.680			
						13.890	13.890	32.72	Sq.M	454.48
21	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolitaheic composite structure as per approved technology of Department of Science and Technology (DST) to sasisfy IS: 4020 door testing performance criteria.. (i) 66mm x 90mm [PWD BUILDING WORKS, Page- 115, It. No- 3.i]									
		1.00	2.00	4.95		9.900	9.900	497.00	Mtr.	4920.30

fitting & fixing best quality digital printed Ceramic tiles in coloured
 on walls and floors to match with the existing work & 4 nos. key stones
 (10mm) fixed with adhesive 4.5mm thick at the back of each tile & finishing th joints with
 white cement mixed with colouring oxide if required to match the colour of tiles
 including roughening of concrete surface, if necessary or by synthetic adhesive & grout
 materials etc. With polymerised adhesive and epoxy grout pointing including spacer-2mm
 (When tiles are laid over existing hard ready surface) all complete as per direction
 of Engineer-in-charge.
 [PWD BUILDING WORKS, Page- 68, It. No- 39]

Inside	4.00	1.00	2.33		2.10	19.530				
	2.00	1.00	4.35		2.10	18.270				
	1.00	1.00	1.60		2.10	3.360				
	1.00	1.00	1.20		2.10	2.520				
	1.00	1.00	1.00		2.10	2.100				
Deducting										
Window	-3.00	1.00	0.45		0.60	-0.810				
Door	-2.00	1.00	1.05		2.10	-4.410				
	-2.00	1.00	0.75		2.10	-3.150				
1/3 of opening	- 1/3	7.56				-2.520				
						34.890	34.890	1060.00	Sq. M	36983.40

30 Supplying profiles of required section made of Aluminium Alloy Extrusions conforming
 to IS: 732-1983 and IS: 1285- 1975; Anodized (with required film thickness and
 specified colour / natural) matt finished conforming to IS: 1868-1983 for fabrication of
 composit door, sliding & casement windows, partitions, formed of basic sections of any
 ISI embossed / certified make and brand as per direction of Engineer - In- Charge.
 (Payment will be made on finished length of the work).
 A) In 10-12 Micron thickness Anodizing film
 l) Natural white
 h) Louvered window
 [PWD BUILDING WORKS, Page- 233, It. No- 1. A.I.h.]

i) Top, bottom and side member.	3.00	1.00	2.10			6.300	6.300	183.00	Mtr.	1152.90
ii) Louvered Section.	3.00	1.00	0.60			1.800	1.800	658.00	Mtr.	1184.40
iii) Cleat angle (Non-anodized).	3.00	4.00	0.45			5.400	5.400	263.00	Mtr.	1420.20

31 Labour charge for fabrication and installation of composite door, window, partitions made
 from anodized extruded alloy aluminium sections for the following units:-
 (A) Glazed aluminium sliding windows made of extruded and anodized alloy aluminium
 sections, fabrications, including cutting to proper shape and size, drilling and aligning of
 window shutter frame fitted with in built locking arrangements, sliding rollers and other
 necessary fittings, fixture, adhesives and joineries along with extruded neoprene or EPDM
 gasketing in between window frame and masonry work (walls, column, beam,lintels etc.)
 as well as between glass and shutter frame for fixing glass and Polysulphide sealant and in
 between shutter and window frame where necessary including cutting to requisite size and
 fixing glass as per drawing, specification and direction of EIC.
 The rate includes the hire charge of all tools and plants, including all incidental charges, adhesive,
 neoprene / EPDM gasket, locking arrangement and rollers.
 v) Louvered window
 [PWD BUILDING WORKS, Page- 240, It. No- 2. A.v]

	3.00	1.00	0.45		0.60	0.810	0.810	730.00	Sq. M	591.30
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32 Supplying bubble free float glass of approved make and brand conforming to IS: 2835-
 1987.
 iv) 5mm thick coloured / tinted / smoke glass.
 [PWD BUILDING WORKS, Page- 243, It. No- 9.iv]

						0.810	0.810	585.00	Sq. M	473.85
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33 (a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S,
 W.I. Flats and bars of windows ,railing etc.fitted and fixed with necessary screws and lugs
 in ground floor.
 (i) Grill weighing above 10Kg./sq.mtr and up to 16Kg./sq. mtr.
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	use	5.00	1.00	0.60		0.60	1.800						
	Window	3.00	1.00	0.45		0.60	0.810						
						=	2.610						
				2.610	16.00	41.760	0.418	0.418	10021.00	Qn		4188.78	
34	Rendering the Surface of walls and ceiling with White Cement base WATERPROOF wall putty of approved make & brand. (1.5 mm thick) PWD(WB), S.O.R. Volume- I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 198												
	same as- It. No- (17+18)- (19+29)		141.35	10.79	9.21	34.89	108.04	108.036	122.00	Sq M		13180.39	
35	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothing of surface. Two Coats PWD(WB), S.O.R. Volume- I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 196F												
	In side	4.00	1.00	2.33		0.775	7.208						
	3.0-(.125+2.1)= 0.78	2.00	1.00	4.35		0.775	6.743						
		2.00	1.00	1.60		0.775	2.480						
		2.00	1.00	1.20		0.775	1.860						
		2.00	1.00	1.00		0.775	1.550						
	Slab	1.00	1.00	4.35		2.325	10.114						
							29.955	29.955	70.00	Sq.M		2096.85	
36	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (b) Two Coats [PWD BUILDING WORKS, Page- 196, It. No- 8..b]												
	Outer side	1.00	2.00	4.85		3.600	34.920						
		1.00	2.00	2.83		3.600	20.340						
	Chazza	3.00	2.00	0.45		0.500	1.350						
		3.00	1.00	1.40		0.100	0.420						
	Parapet wall	1.00	2.00	4.85		0.125	1.213						
		1.00	2.00	2.83		0.125	0.706						
	In side	1.00	2.00	2.60		0.300	1.560						
		1.00	2.00	2.33		0.300	1.395						
	Deduction	-3.00	1.00	0.45		0.500	-0.675						
		-2.00	1.05	1.05		2.100	-4.631						
							56.598	56.598	4510.00	%Sq M		2552.57	
37	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) a) Normal Acrylic Emulsion [PWD BUILDING WORKS, Page- 197, It. No- 17.c]												
								56.598	67.00	Sq.M		3792.07	
38	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothing surfaces by sand papering etc. [PWD BUILDING WORKS, Page- 200, It. No- 1. a]												
	Pump house	5.00	1.00	0.60		0.60	1.800						
	Window	3.00	1.00	4.50		0.60	8.100						
	Collapsible	1.50	1.00	2.05		2.10	6.458						

						16.358	16.358	29.00	Sq. M	474.38
	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (b) On steel or other metal surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white) [PWD BUILDING WORKS, Page- 201, It. No- 2. b.iv]					16.358		79.00	Sq. M	1292.28
40	Supplying, fitting and fixing Stainless Steel railing consist of 38 mmdia and 900 mm height vertical balustrade at every two alternative steps, 50mm dia top rail, 3 (three) nos 19mm dia horizontal Strainless steel pipe and base/cover plate with Strainless Steel GRADE 304 containing 7.5% nickle (Interior Grade) Brushed/Mat finish, complete as per direction of the Engineer-in-charge. Weight of Strainless Steel railing per metre 6.5 Kg (approx) 3rd CORRIGENDA & ADDENDA, Dated: 04.06.2018, Page 95 of 96, PWD(WB), S.O.R. Volume- I : Building Works w.e.f. 01/11/2017, Item No.-22, Page No. - 10					1.950		9077.00	Mtr	17700.15
41	Painting block letters or digits in Black Japan or any approved paint as per direction. e) Size above 7.5 cm. and upto 10 cm. [PWD BUILDING WORKS, Page- 268, It. No- 17. e]					450.000		12.00	Each	5400.00
42	Supplying and Planting of different plant / trees (Supplying well grown plants bushy and healthy, minimum height as specified i.e. exposed height including all leads & lift, carriage, handling, manuring, applying pesticide and fertilizer etc. i) Furcaria veriegated 10-12 leaves in height 20-30cm in earthen pots of size 25cm. [PWD BUILDING WORKS, Page- 261, It. No- 9. i]					7.000		162.00	Each	1134.00
43	x) Ficus blakii (F. Vivicon) well branched (Bushy) of height 120cm - 135 cm in earthen pot of size 30cm. [PWD BUILDING WORKS, Page- 261, It. No- 9. x]					3.000		187.00	Each	561.00
44	xxvi) Areca Palm 4 - 5 suckers of height 90 cm to 105 cm in earthen pots of size 25 cm. [PWD BUILDING WORKS, Page- 262, It. No- 9. xxvi]					3.000		127.00	Each	381.00
SANITARY AND PLUMBING WORKS										
45	Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc. (a) With 'P' trap (with vent) [SANITARY AND DRAINAGE WORKS, Page- 79, It. No- 3. a]					2.000		3104.00	Each	6208.00
46	Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete. (b) Anglo Indian (i) Plastic (hallow type) black [SANITARY AND DRAINAGE WORKS, Page- 81, It. No- 10. b.i]					2.000		371.00	Each	742.00
47	Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete. (i) 635 mm X 395 mm X 420 mm [SANITARY AND DRAINAGE WORKS, Page- 80, It. No- 6. i]					2.000		2869.00	Each	5738.00
48	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm [SANITARY AND DRAINAGE WORKS, Page- 80, It. No- 7. i]					1.000		881.00	Each	881.00
49	Supplying, fitting and fixing 10 litre porcelain low-down cistern of approved make with either side or bottom inlet, side overflow, brackets complete with all internal PVC fittings. White [SANITARY AND DRAINAGE WORKS, Page- 36, It. No- 1]					2.000		2297.00	Each	4594.00
50	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i) Polythene Flush Pipe [SANITARY AND DRAINAGE WORKS, Page- 81, It. No- 11. i]					2.000		155.00	Each	310.00
51	Supplying, fitting and fixing urinal flush pipe fittings of approved brand. (a) C.P. urinal flush pipe fittings range of one [SANITARY AND DRAINAGE WORKS, Page- 81, It. No- 12. a]					3.000		414.00	Each	1242.00

	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with G.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (ii) 550 mm X 400 mm size [SANITARY AND DRAINAGE WORKS, Page- 41, It. No-2.ii]	2.000	2208.00	Each	4416.00
53	Supplying, fitting and fixing pedestal of approved make for wash basin (white) [SANITARY AND DRAINAGE WORKS, Page- 41, It. No-3]	2.000	1497.00	Each	2994.00
54	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (iii) 600 mm long [SANITARY AND DRAINAGE WORKS, Page- 43, It. No- 9.iii]	5.000	107.00	Each	535.00
55	Supplying, fitting and fixing approved brand 32 mm dia. P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. (iv) 1050 mm long [SANITARY AND DRAINAGE WORKS, Page- 43, It. No- 10.iv]	4.000	91.00	Each	364.00
56	Supplying, fitting and fixing shower of approved brand and make. (f) Hand Shower (Health Faucet) with 1mtr Flexible Tube with Wall Hook (Equivalent to Code No. 573 & Model -ALLIED of Jaquar or similar). [SANITARY AND DRAINAGE WORKS, Page- 3, It. No- 3.f]	2.000	1251.00	Each	2502.00
57	(ii) Chromium plated Bib Cock long body with wall flange with aerator (Equivalent to Code No. 512 & Model- Tropical / Sumthing Special of ESSCO or similar brand) [SANITARY AND DRAINAGE WORKS, Page- 6, It. No- 7. a.ii]	3.000	659.00	Each	1977.00
58	(b) (i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar [SANITARY AND DRAINAGE WORKS, Page- 6, It. No- 7. b.i]	1.000	493.00	Each	493.00
59	(d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand). [SANITARY AND DRAINAGE WORKS, Page- 6, It. No- 7. d.i]	5.000	815.00	Each	4075.00
60	Supplying, fitting and fixing pillar cock of approved make. a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	2.000	555.00	Each	1110.00
61	Supplying, fitting and fixing G.I. pipes of TATA make with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately) (a) For Exposed Work, (ii) 32 mm dia. medium quality [SANITARY AND DRAINAGE WORKS, Page- 07, It. No- 01. A) 4.ii]	15.000	355.00	Mtr.	5325.00
62	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D-1785 and threaded to match with GI Pipes as per IS : 1239 (Part-I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately) a) For Exposed Work PVC Pipes (Dia) 25 mm Dia [SANITARY AND DRAINAGE WORKS, Page- 12, It. No- 19. i.a]	10.000	177.00	Mtr.	1770.00
63	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). (vii) 25 mm dia [SANITARY AND DRAINAGE WORKS, Page- 5, It. No- 5. vii]	2.000	778.00	Each	1556.00

	U.P.V.C. water storage tank of approved quality with closed top with lid (Black) - 1000 litre capacity [SANITARY AND DRAINAGE WORKS, Page- 37, It. No- 6. b]	1.000	5128.00	Each	5128.00
65	Labour for hoisting plastic water storage tank. (i) Upto 1500 litre capacity. [SANITARY AND DRAINAGE WORKS, Page- 37, It. No- 10. i]	1.000	96.00	Each	96.00
66	Labour for punching hole in plastic water storage tank upto 50 mm dia. [SANITARY AND DRAINAGE WORKS, Page- 38, It. No- 13]	2.000	19.00	Each	38.00
67	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592- 1992.(A) (i) Single Socketed 3 Meter Length, (b) 110 mm PWD S&P Schedule, Page No.-68 Item No. 23,(A)(i)(b)	30.000	292.00	Mtr	8760.00
	(B) Fittings (i) Coupler, (b) 110 mm	8.000	85.00	Each	680.00
	(ii) Plain Tee, (b) 110 mm	12.000	85.00	Each	1020.00
	(iii) Door Tee, (b) 110 mm	10.000	195.00	Each	1950.00
	ix) Bend 45°, (b) 110 mm	10.000	89.00	Each	890.00
	xi) Door Bend (T.S.), (b) 110 mm	7.000	147.00	Each	1029.00
	xvi) Pipe Clip, (b) 110 mm	30.000	21.00	Each	630.00
	xvii) W.C. Connector (150 mm long) 125 X 110(W/WC Ring) 75 mm	4.000	142.00	Each	568.00
	xxxi) Plain Floor Trap with Top tile & Strainer 75 mm	7.000	144.00	Each	1008.00
	L) Rubber Ring, (b) 110 mm	15.000	17.00	Each	255.00
	C)Rubber Lubricant 500 ML	1.000	187.00	500 ML	187.00
	D)Solvent Cement 250 ML	1.000	103.00	250 ML	103.00
68	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in total pipeline including specials. (B) Under ground, (ii) 110 mm dia. PWD S&P Schedule, (P. - 74, Item. No. - 24 (B)	20.000	84.00	Mtr	1680.00
69	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592- 1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. A) UPVC Pipes: (i) 75 mm. Dia. (P. - 212, Item. No. - 21 (A)(i) , (B),(c),(i) & (B), (d),(i), Pwv volume- i, 2017)	20.000	188.00	Mtr	3760.00
70	B) UPVC Fittings: c) Bend 87.5 degree (i) 75 mm. Dia.	6.000	95.00	Mtr	570.00
71	B) UPVC Fittings: d) Shoe (i) 75 mm. Dia.	2.000	78.00	Mtr	156.00
72	Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and out-side walls upto G.L. and 20 mm.thick (1:4) plaster to bottom of the pit, providing necessary invert with cement concrete (1:3:6) with stone chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100 mm thick R.C.C. slab (1:1.5:3) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (1:4) in all external surfaces of the slab and one 560 mm dia. R.C.C. manhole cover of approved make supplied, fitted and fixed in the slab with necessary fittings, necessary earthwork in excavation in all sorts of soil, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials. i) With Pakur variety.(OTHER MANUFACTURES NOT SPECIFIED) 7th CORRIGENDA & ADDENDA, Dated: 22.01.2020, Page 1 of 7, PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 1, Page No. - 87	2.000	6648.00	Each	13296.00
73	Supplying, fitting and fixing 18 mm thick marble partition slab with chawk doongri marbel square cut, both sides polished with two front corners rounded and edges polished. PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 13, Page No.- 81	0.930	1426.00	Sq.m	1326.18

Construction of septic tank of different capacities as per approved drawing with 1st class brick work and cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials.

Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level.
(ii) Height of 50 mm Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470, Part- I. Payment will be made separately on the basis of actual height based on relevant I.S.Code.

7th CORRIGENDA & ADDENDA, Dated: 22.01.2020, Page 3 of 7, PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No. - 88

(ii) For 20 users

i) With Pakur variety. (OTHER MANUFACTURES NOT SPECIFIED)

1.000 45343.00 Each 45343.00

75 Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size) including R.C.C. cover slab of 100 mm thick with cement conc (1:1.5:3) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia.
For-OTHER MANUFACTURES NOT SPECIFIED)

1.000 15451.00 Each 15451.00

76 Supplying, fitting and fixing towel rail with two brackets.
(a) C.P. over brass (ii) 25 mm dia. and 600 mm long
PWD S&P Schedule, p No 82 I No- 22 (a)(ii)

2.000 430.00 Each 860.00

77 Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges. (ii) 600 mm X 450 mm
PWD S&P Schedule, P-81, It-15(ii)

2.000 484.00 Each 968.00

78 Supplying, fitting and fixing soap holder. (b) Fibre glass
Sanitary and plumbing work schedule P-82, It-18(b)

2.000 58.00 Each 116.00

79 Supplying, fitting and fixing glass shelf with aluminium guard rails.
(a) Ordinary type with 5.5 mm sheet glass (i) 450 mm X 125 mm
Sanitary and plumbing work schedule P-81, It-16(a)(i)

2.000 341.00 Each 682.00

Total Amount excluding GST 538252.29

Add CGST @ 9% 48442.71

Add SGST @ 9% 48442.71

Total amount including GST 635137.71

Add Labour Welfare Cess. @ 1% 6351.38

Total Amount Including L.abour Welfare Cess. 641489.09

Add Contengency @3% 19054.13

Total Amount Including L.W.C. and contengency 660543.22

Say Rupees 660543.00

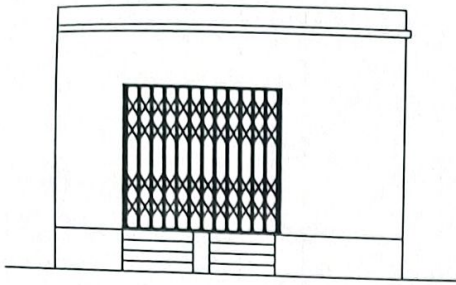
S. A. E. (C)
English Bazar Municipality
MALDA

Junior Engineer
Malda Division
M. E. Directorate
Govt. of West Bengal

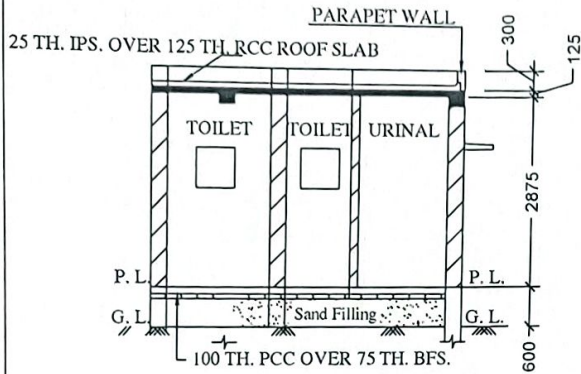
Assistant Engineer,
Malda Division
M.E. Directorate
Dept. Of UD & MA
Govt. Of West Bengal

English Bazar Municipality
MALDA

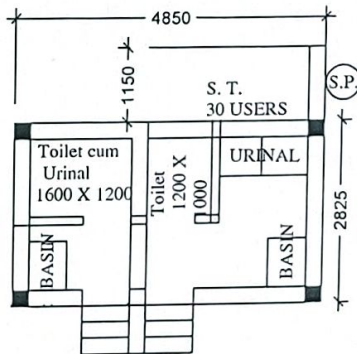
MODEL DRAWING FOR CONSTRUCTION OF C. T./P.T.
TOILET SEATS 2 NOS URINAL 3 NOS
MODEL NO.- F



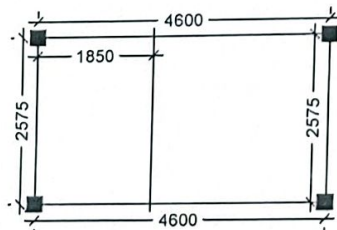
FRONT ELEVATION



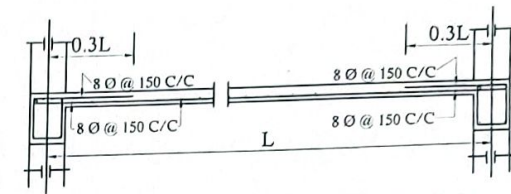
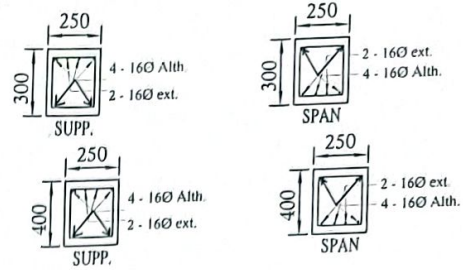
SECTION - 'A - A'



PLAN

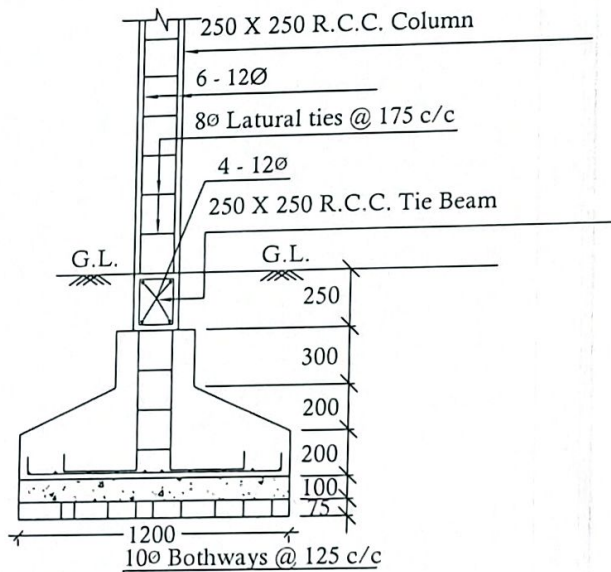


LAYOUT PLAN



Details Of R.C.C Roof Slab & Beam

(SCALE - 1 : 25)



DETAILS OF R. C. C COLUMN

(SCALE - 1 : 25)

Paha
S. A. E. (C)
English Bazar Municipality
MALDA

Prin
Assistant Engineer,
Malda Division
M.E. Directorate
Deptt. Of UD & MA
Govt. Of West Bengal

AK
Chairman
English Bazar Municipality,
MALDA