Construction Of Public Toilet Block Model No-F Civil Works Toilet Seat-2 And Urinal-3 Nos At G.L.T Road Subhash Pally Park (Opposite to PCM College) Under Baranagar Municipality,Ward No-14

This Estimate have been prepared on the basis of West Bengal PWD Schedule & sanitary and plumbing work Schedule of Rates(volume-I & volume-II)-2017

SL.NO	Item Description & Item No.	Nos	L	B	H	Qty	Total Quantity	Rate	Unit	Ammount
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 Building Works schedule Page - 1, Item -2.a									
	Colm.	4	1.200	1.200	1.000	5.76				
	Partition wall	1	1.000	0.375	0.150	0.056	5.816	119.27	Cu.m	**693.67**
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 Building Works schedule, Page - 1, Item -3.a 5.816 x 1/5 = 1.16 m3						1.160	77.54	%um	**89.95**
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 Building Works schedule, Page - 2, Item -4.a 1 x 4.850 x 2.8250 x 0.325 = 4.453 m3									
		1	4.850	2.825	0.325	4.453	4.453	936.21	Cu.m	**4168.94**
4	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. PWD Building Works schedule, Page- 14, Item - 1 (Corri. Page-01, Date-04-06-2018)									
		4	1.200	1.200		5.76				
		2	2.500	0.375		1.875				
		1	1.000	0.375		0.375				
		1	4.850	2.825		13.70	21.710	361.00	Sqm	**7837.31**
5	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. a) Pakur Variety /Chandil Variety PWD Building Works schedule, p-26 Item 10 a (Rate Analysis)									
		4	1.200	1.200	0.150	0.864				
	2 x 2 x (1.20 x 1.20) + (0.250 x 0.250) /2 x 0.150 = 0.451 m3					0.451				
		4	0.250	0.250	3.250	3.25				
		2	4.600	0.250	0.250	0.575				
		3	2.325	0.250	0.250	0.436				
		2	4.600	0.250	0.150	0.345				
		3	2.325	0.250	0.150	0.262				
		1	4.600	2.325	0.125	1.337	7.519	5863.13	Cu.m	**44084.87**

SL.NO	Item Description & Item No.	Nos	L	B	H	Qty	Total Quantity	Rate	Unit	Ammount
6	Cement concrete with graded jhama khoa (30 mm size) excluding shuttering In ground floor and foundation. (a) 1:3:6 proportion. PWD Building Works schedule, Page - 23, Item -B.1.a, (Corri. Page- 09, Date-04-06-2018) Rate Analysis1 (Corri. Page-01, Date-04-06-2018) 2 x 2 x1.20 x 1.20 x 0.10 = 0.576 m3 2 x 2.50 x 0 .375 x 0.100 = 0. 188 m3 2 x 1.50 x 1.00 x 0.100 = 0.300 m3 1 x 4.85 x 2.8250 x									
		4	1.200	1.200	0.100	0.576				
		2	2.500	0.375	0.100	0.188				
		1	1.000	0.375	0.100	0.038				
		1	4.850	2.825	0.100	1.37	2.171	4628.87	Sqm	**10049.28**
7	25mm. thick damp proof course with cement concrete with stone chips (1:1.5:3) [with graded stone aggregate 10 mm nominal size] and admixture of water proofing compound as per manufacturer's specification followed by two coat of polymer based paint, (1st coat after 4 to 5 days of concrete laying and 2 nd coat just before brick masonry work) as directed (cost of water proofing compound & polymer based paint to be paid separately).(Chequering not required over concrete or painted surface). [Note: - Waterproofing as per item 9, polymer based paint as per item 8 (a) of subhead C of Section (C). PWD Building Works schedule, Page -47, Item -1 (Rate Analysis) 2 x 4.85 x 0.250 = 3.69 m2 3 X 2.8250 x 0.250 = 2.11 m2									
		2	4.850	0.250		2.43				
		3	2.825	0.250		2.12	4.550	265.95	Sqm	**1210.07**
8	125 mm brick work with 1st classbricks in cement morter (1:4) in ground floor. PWD Building Works schedule, Page -16, Item-16,cori page -3, date - 04.06.2018 (Rate Analysis) 5 x1.20 x3.00 = 18.00 m2 3x1.00 x3.00 = 9.00 m2						27.00	728.47	Sq.M.	**19668.69**
9	Supplying and laying polythine sheet (150 gm/sq.m) over dampproof course or beloe flooring or roof terracing or foundation or foundation trenches. PWD Building Works schedule, Page -47,									
							21.71	24.00	Sq.m	**521.04**
10	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) (f) 25 mm to 30 mm shuttering without staging in foundation PWD Building Works schedule, Page -42, Item- 36.f									
		4	4.850	0.250		4.85				
		4	2.825	0.250		2.83				
		16	1.200	0.150		2.88	10.560	209.00	Sqm	**2207.04**

SL.NO	Item Description & Item No.	Nos	L	B	H	Qty	Total Quantity	Rate	Unit	Ammount
11	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) (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge. PWD Building Works schedule, Page -42, Item- 36.a 1 x 4.85 x 2.8250 = 13.70 m2 2(4.85 + 2.825) x 0.125 = 1.209 m2 4(.30+.025) x 3.00 = 6.60 m2 2 x 2 x 4.85 x 0.1250 = 2.46 m2 2x 2 x 2.825 x 0.125 = 1.41 m2									
		1	4.850	2.825		13.70				
		2	4.850	0.125		1.21				
		2	2.825	0.125		0.71				
		4	0.550	3.000		6.60				
		4	4.850	0.125		2.43				
		4	2.825	0.125		1.41	26.060	355.00	Sqm	**9251.30**
12	Artificial stone in floor ,dado,staircaseetc with cement morter (1:2:4)with stone chips lsied in panels as directed with topping made with ordinary or white cement (as necessary) and marbel dust in proportion (1:2) in cluding 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 using gray cement (ii)25 mm PWD Building Works schedule, p-48 Item 6(ii)									
		1	4.850	2.825		13.70	269.000	355.00	Sqm	**95495.00**
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. (a) For works in foundation and upto roof of ground floor/upto 4 m. (i) Tor steel/Mild Steel , JSPL/SWAYN/ELETRO/STEEL PWD Building Works schedule, Page - 43, Item - 40.a.i.1(Corri. 10th Page-01, Date-23-01-2020) (Rate Analysis) Item no , vol of conc. 7.519x1.20 % = 0.090 m3 x 35.315 c.ft = 3.186 c.ft x 225 kg =717.00 kg = 0.717 MT						0.717	55194.51	M.T.	**39574.46**
14	Collapsible gate with 40 mm x 10 mm x 6 mm Tee as top and bottom guide rail , 20 mm x 10 mm x 2 mm vertical channels 100 mm apartin fullt stretched position 20m x 5 mm MS flats as collapsible bracings properly reveted and washered including 38 mm steel roller including locking arrangements , fitted and fixed in position with lugs set in cement concrete including cutting necessary hikes chasing etc in walls , floors etc and making good all damages . PWD Building Works schedule, Page -106, Item- .18									
		2	2.1	1.00		4.2	4.20	3402.00		**14288.40**
15	Brick work with 1st class bricks in cement mortar (1:4) (a) Foundation and plinth groung floor PWD Building Works schedule, Page -15, Item-7.a (Rate Analysis)									
		2	4.850	0.250	0.600	1.455				
		3	2.825	0.250	0.600	1.271				
		2	2.500	0.250	0.600	0.750				
		2	1.000	0.500	0.300	0.300	3.776	5613.36	Cu.m	**21196.05**

SL.NO	Item Description & Item No.	Nos	L	B	H	Qty	Total Quantity	Rate	Unit	Ammount
16	Brick work with 1st class bricks in cement mortar (1:4) (b) superstructure groung floor PWD Building Works schedule, Page -15, Item-7.b (Rate Analysis)									
		2	4.850	0.250	3.000	7.275				
		3	2.825	0.250	3.000	6.356	13.631	5613.36	Cu.m	**76515.71**
17	Labour for Chipping of concrete surface before taking up Plastering work. PWD Building Works schedule, P-192, It-1						13.70	21.00	Sqm	**287.70**
18	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] (i) With 1:6 cement mortar (c) 15 mm thick plaster PWD Building Works schedule, P-189 It- No. 1 (Rate Analysis)									
		2	4.850	3.750		36.38				
		2	2.825	3.750		21.19				
		2	4.850	3.000		29.10				
		2	2.825	3.000		16.95				
		4	1.600	3.000		19.20				
		2	2.325	3.000		13.95	136.560	148.53	Sqm	**20283.26**
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 PWD Building Works schedule, P-189 It- No. 1 (ii)(c) (Rate Analysis)									
		1	4.850	2.825		13.70	13.700	130.53	Sqm	**1788.26**
20	Neat cement punning about 1.5 mm thick in wall ,dado, window sills, floors etc . Note cement 0.152 m3/100 m2 PWD Building Works schedule, P-192 It- No. 15									
		2	4.850	0.750		7.28				
		2	2.825	0.750		4.24	11.510	34.00	Sqm	**391.34**
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 safisfy IS: 4020 door testing performance criteria.. (i) 66mm x 90mm PWD Building Works schedule, P-115, It - 3 (i)									
		4	2.10			8.40				
		2	0.75			1.50	9.90	497.00	M	**4920.30**
22	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design 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 satisfy IS:4020 door testing performance criteria. In ground floor. ii) 25 mm thick P-125, It- 14(ii) 2 x 2.10 x 0.75 = 3.15 m2									
		2	2.1	0.75		3.15	3.15	2581.00	sq.m	**8130.15**
23	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws . (vii) 225mm long x 10mm dia. bolt. PWD Building Works schedule, P-144, It No. 26 (vii)						5.00	84.00	Each	**420.00**
24	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (viii) 100mm X 75mm X 3.50mm. PWD Building Works schedule, P-140, It No. -5 (viii)						15.00	66.00	Each	**990.00**

SL.NO	Item Description & Item No.	Nos	L	B	H	Qty	Total Quantity	Rate	Unit	Ammount
25	Anodised aluminium decorative handle (hexagonal / fluted) of approed quality fitted and fixed complete. (i) 150mm plate x 10mm dia rod x 12mm hexagonal/fluted. PWD Building Works schedule, Page -146 . Item no-31,(i)						10.00	87.00	Each	**870.00**
26	Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with concrete bolt and round fitting. .b)250mm long. PWD Building Works schedule, Page -141 . Item no-10 b)						2.00	159.00	Each	**795.00**
27	Supplying and laying chequered tiles of any shede and of approved quality with (1:1.5:3) cement concrete laied in pannels or patterns as directed in pavement ,footpath etc including necessary underlay 25 mm thick (avg)cement morter (1:3) complete in all respect with all labour and materials. (Using cement slurry @4.4kg/sq.m at back side and @2.4 kg/sq.m for joint filling). PWD Building Works schedule, Page -74 , Item no- 46(i). 25 mm thick									
		1	1	2.125	2.13					
		1	2	1	2.00	4.13	4.13	471.00	sq.m	**1945.23**
28	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand.(1.5 mm thick) In Ground Floor PWD Building Works schedule, PWD, P- 198, I - 5 136.56 + 13..70 = 150.26 M2						150.26	122.00	Sqm	**18331.72**
29	Applying interrior grade Acrylic Primer of approved quality and brand on plastered and concrete surface old or new surface to receive Distemper Acrylic emulsion paint including scraping and prepairing the surface thoroughly , complete as per manufacturer's specification and as per direction of the E-I-C (Ground Floor) (b) Two Coats PWD Building Works schedule, Page -74 , Item no- 46(i). 44.63 +19.20 +13.90 -13.7 0 = 66.03 M2						66.03	44.20	m2	**2918.53**
30	Dry Destempering interial walls or ceilling including cleaning, washing, smoothening surface (b) two coats PWD Building Works schedule, Page -196 , Item no- 9(b) .						66.06	49.00	m2	**3236.94**
31	Applying exterior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Decorative Textured (Martt Finish) or Smooth Finish Acrylic exterior emulsion paint including scraping and prepairing 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 schedule, Page -196 , Item no- 8(b)						57.70	45.10	m2	**2602.27**

SL.NO	Item Description & Item No.	Nos	L	B	H	Qty	Total Quantity	Rate	Unit	Ammount
32	Protective and Decorative Acrylic Exterior emulsion paint of approved quality, as per manufacturer's specification and as per dirction of EIC to be applied overf Acrylic primer as required. The rate includes cost of materials, labour, scaffolding and all incedental charges but excluding the cost of primer in ground floor (two coats)(a) normal acrylic emulsion. PWD Building Works schedule, Page -197 , Item no- 17(a) 79.69+18.00 +36.00 = 136.69 m2						57.70	67.00	m2	**3865.90**
33	(b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD Building Works schedule, Page -200 . Item no- 1 (b)						6.35	38.00	Sqm	**241.30**
34	(A) 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 : Page - 200 . Item no- 1 (b) (a) On timber or plastered surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white) PWD Building Works schedule, Page -200 . Item no- 2(A)(a)(iv)						6.35	81.00	Sqm	**514.35**
35	(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 10 Kg./sq.mtr and up to 16 Kg./sq. mtr. PWD Building Works schedule, P-104 Item-13 A (i) (3rd Corrigendam Page No 91) 64 x 0.600 x 0.600 = 1.44 m2 = 1.44 m2 x 10..00 kg = 14.40 kg = 0.144 qtl						0.144	9888.00	Qntl	**1423.87**
36	a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD Building Works schedule, P/200 Item-1(a)						5.64	29.00	Sqm	**163.56**
37	(A) 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 : (iv) Two coats (with any shade except white) PWD Building Works schedule, P-200 Item-2(b)(iv)						5.64	79.00	Sqm	**445.56**
38	Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring Pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contrr]e) I (I) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment. (A) Deep Colour & White PWD Building Works schedule, Page-66 Item-36 (A) (3rd Floor 4.85 x 2.825 = 13.70 m2						13.70	1704.00	Sqm	**23344.80**

SL.NO	Item Description & Item No.	Nos	L	B	H	Qty	Total Quantity	Rate	Unit	Ammount
39	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the 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. B) Wall Area of each tile above 0.09 Sq.m ii) Other than Coloured decorative including white PWD Building Works schedule, page-64, Item:35.(B.) (b).(ii) (3rd Corrigendam ,Page 36) 2(4.85 + 2.8250) x 2.10 = 36.84 m2 1x2 x 2.325 x 2.10 = 9.77m2 2 x 2 x 1.60 x 2.10 = 13.44 m2						60.05	1047.00	Sqm	**62872.35**
40	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285- 1975; Annodized (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 Annodizing film I) Natural white h) Louvered window. i) Top, bottom and side member. PWD Building Works schedule, PWD, P-233, I- 1(h) i						6.50	183.00	M	**1189.50**
41	ii) Louvered Section.						7.20	658.00	M	**4737.60**
42	iii) Cleat angle (Non-annodized).						6.48	263.00	M	**1704.24**
43	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 schedule, P-243, I -9						1.08	585.00	Sq.M.	**631.80**
44	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 schedule, P-268, It-17(e)						450.00	12.00	Each	**5400.00**
45	Supplying and planting of different plants / trees (supplying well grown plants bushy and healthy, minimum height as specified i.e. exposed height including all leads and lifts, carriage, handling, manuring applying pesticide and fertilizer etc. i) Furcaria Veriegated 10 to 12 leaves in height 20-30 cm in earthen pot of size 25 cm						10.00	162.00	Each	**1620.00**
46	x) Ficus blakii (F. Vivicon) well branched (Bushy) of height 120cm - 135 cm in earthen pot of size 30cm. PWD Building Works schedule, Page -261, It- 9 (x)						3.00	187.00	Each	**561.00**
47	xxvi) Areca Palm 4 - 5 suckers of height 90 cm to 105 cm in earthen pots of size 25 cm. PWD Building Works schedule, Page -261, It- 9 (xxvi)						3.00	127.00	Each	**381.00**
	SANITARY AND PLUMBING WORKS									
48	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) PWD S&P Schedule, page-79, item no -3 (a)						5.00	3104.00	Each	**15520.00**
49	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) White PWD S&P Schedule, page-81,item no 10.b.i						2.00	380.00	Each	**760.00**

SL.NO	Item Description & Item No.	Nos	L	B	H	Qty	Total Quantity	Rate	Unit	Ammount
50	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 (ii) 470 mm X 280 mm X 340 mm PWD S&P Schedule, page.80,item no-6/(ii)						2.00	945.00	Each	**1890.00**
51	Supplying fitting and fixing squating plate with integrated flushing in white vitreous set in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately) (I) 450 mm x 350 mm						2.00	881.00	each	**1762.00**
52	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete,C.I. brackets including two coats of painting to bracket etc. PWD S&P Schedule, Page No.-36 Item No.-2,						2.00	1015.00	Nos	**2030.00**
53	Supplying,fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i) Polythene Flush Pipe PWD S&P Schedule, Page no 81. Item no. 11(i)						2.00	155.00	Each	**310.00**
54	Supplying, fitting and fixing urinal flush pipe fittings of approved brand. (a) C.P. urinal flush pipe fittings range of one PWD S&P Schedule, S.P.81,item-12/a						2.00	414.00	Each	**828.00**
55	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., mending good all damages and painting the brackets with two coats of approved paint. (ii) 550 mm X 400 mm size PWD S&P Schedule, P-41, It 2 (ii)						2.00	2208.00	Each	**4416.00**
56	Supplying fitting and fixing pedestal of approved make for wash basin (White) PWD S&P Schedule, P-41, It 3						2.00	1497.00	Each	**2994.00**
57	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 PWD S&P Schedule, Page No.-43 Item No.-9-iii						5.00	107.00	Each	**535.00**
58	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 each PWD S&P Schedule, Page No.-43 Item No. 10-iv						2.00	91.00	Each	**182.00**
59	(f) Hand Shower(Health Faucet) with 1mtr Fexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar). PWD S&P Schedule, Page No.-3 Item No.- 3 f,						2.00	1251.00	Each	**2502.00**
60	(a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand). PWD S&P Schedule, Page No.-6 Item No.-7-a-i						5.00	539.00	Each	**2695.00**
61	(b) (i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar PWD S&P Schedule, Page No.-6 Item No.-7-b-i						3.00	493.00	Each	**1479.00**
62	Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand). PWD S&P Schedule, Page No.-6 Item No.-7-d-i,						3.00	815.00	Each	**2445.00**
63	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). (P. No. - 45, Item. No. - 19(a)i, Pwd Sanitary Plumbing Schedule 2017)						2.00	555.00	Each	**1110.00**

SL.NO	Item Description & Item No.	Nos	L	B	H	Qty	Total Quantity	Rate	Unit	Ammount
64	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTMD - 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, longscrew, 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 accesories, specials. Payment for painting will be made seperately) (a) For Exposed Work PVC Pipes, 25 mm Page No.-12 Item No.-19-i(a), PWD,VOL-II , 2017-18						15.00	177.00	Mtr	**2655.00**
65	(a) (a) For Exposed Work PVC Pipes, 15 mm Page No.-12 Item No.-19-i(a), PWD,VOL-II , 2017-18						10.00	101.00	Mtr	**1010.00**
66	(b) For Concealed Work PVC Pipes, 15 mm Page No.-12 Item No.-19-i(b), PWD,VOL-II , 2017-18						10.00	137.00	Mtr	**1370.00**
67	Supplying and fitting fixing of gunmetal wheel valve of approved brand and make tested to 21 Kg per sq. cm. 25 mm dia(E5) PWD S&P Schedule P-5 It-5 vii)						2.00	778.00	Each	**1556.00**
68	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (b) 1000 litre capacity PWD S&P Schedule, page.37,item no-6 (b)						2.00	5128.00	Each	**10256.00**
69	Labour for hoisting plastic water storage tank. (i) Upto 1500 litre capacity. (a) Upto 1st story from G.L. PWD S&P Schedule, page.37,item no-10 (i)(a)						2.00	96.00	Each	**192.00**
70	Labour for punching hole in plastic water storage tank upto 50 mm dia. PWD S&P Schedule, (P. No. - 38, Item. No. - 13						4.00	19.00	Each	**76.00**
71	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)						30.00	292.00	Mtr	**8760.00**
72	(B) Fittings (i) Coupler, (b) 110 mm						8.00	85.00	Each	**680.00**
73	(ii) Plain Tee, (b) 110 mm						12.00	85.00	Each	**1020.00**
74	(iii) Door Tee, (b) 110 mm						10.00	195.00	Each	**1950.00**
75	ix) Bend 45º, (b) 110 mm						10.00	89.00	Each	**890.00**
76	xi) Door Bend (T.S.), (b) 110 mm						7.00	147.00	Each	**1029.00**
77	xvi) Pipe Clip, (b) 110 mm						30.00	21.00	Each	**630.00**
78	xvii) W.C. Connector (150 mm long) 125 X 110(W/WC Ring) 75 mm						4.00	142.00	Each	**568.00**
79	xxxi) Plain Floor Trap with Top tile & Strainer 75 mm						7.00	144.00	Each	**1008.00**
80	L) Rubber Ring, (b) 110 mm						15.00	17.00	Each	**255.00**
81	C)Rubber Lubricant 500 ML						1.00	187.00	500 ML	**187.00**
82	D)Solvent Cement 250 ML						1.00	103.00	250 ML	**103.00**
83	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)						20.00	84.00	Mtr	**1680.00**
84	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 materails (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), Pwd volume- i, 2017)						20.00	188.00	Mtr	**3760.00**
85	B) UPVC Fittings: c) Bend 87.5 degree (i) 75 mm. Dia.						6.00	84.00	Mtr	**504.00**
86	B) UPVC Fittings: d) Shoe (i) 75 mm. Dia.						2.00	78.00	Mtr	**156.00**

SL.NO	Item Description & Item No.	Nos	L	B	H	Qty	Total Quantity	Rate	Unit	Ammount
87	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 than SAIL/TATA/RINL). PWD S&P Schedule, S.P.87,Item No-1/(i), 7th Corrigenda Volume ii						2.00	7248.00	Each	**14496.00**
88	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in 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 necessry 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 fefilling 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. (ii) For 20 users A) With Pakur variety. (JSW/JSPL/SHYAM/SRMB/ELECTROSTEEL/SSL) PWD S&P Schedule, S.P.88,Item No-3(ii)(A) 7th Corrigenda Volume ii						1.00	48162.00	Each	**48162.00**
89	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 nacessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the exess 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. (Other than SAIL/TATA/RINL) S.P.89,Item No-4 7th Corrigenda Volume ii						1.00	16621.00	Each	**16621.00**
90	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)						2.00	430.00	Each	**860.00**

							Quantity			
91	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)						2.00	484.00	Each	968.00
92	Supplying, fitting and fixing soap holder. (b) Fibre glass Sanitary and plumbing work schedule P-82, It-18(b)						2.00	58.00	Each	406.00
93	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)						2.00	341.00	Each	682.00
										687807.31
										687807.00
								Add S.G.S.T. @	9%	61902.66
								Add C.G.S.T. @	9%	61902.66
								Cost Of Civil Work		811612.32
								Add Labour.Welfare.Cess. @	1%	8116.12
								Total Amount Including Labour.Welkfare.Cess.		819728.44
								Add Contengency @3%		24591.85
								Total Amount Including Labour.Welfare.essC. and contengency		844320.29
								Say Rs.		844320.00

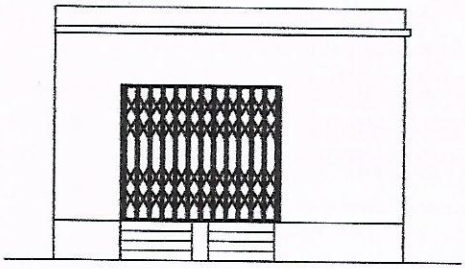
VETTED

Superintending Engineer
W & S (GAP) Sector
K.M.D.A.

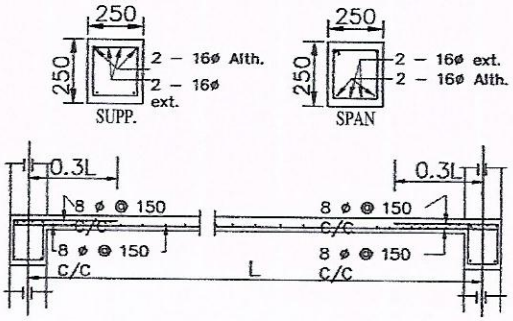
Rejuan Hasan
Nodal Engineer
Solid Waste Management
Baranagar Municipality

Chairman
Baranagar Municipality

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

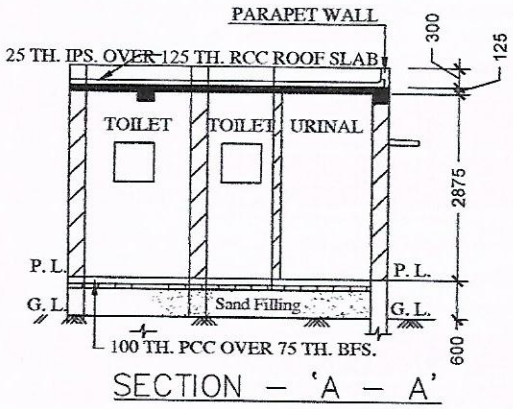


FRONT ELEVATION

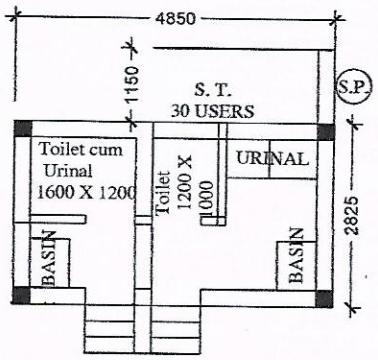


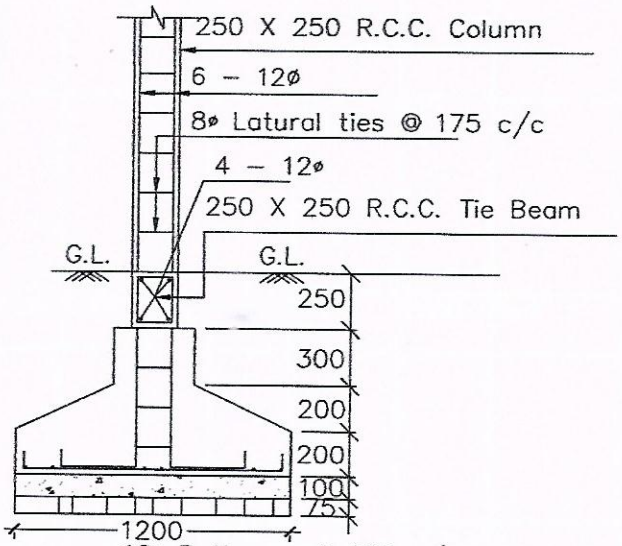
Details Of R.C.C Roof Slab & Beam

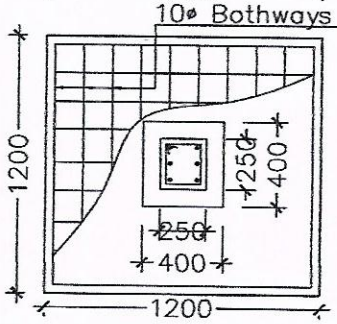
(SCALE – 1 : 25)



SECTION – 'A – A'







DETAILS OF R. C. C COLUMN

(SCALE – 1 : 25)

Rejuan Hasan
Nodal Engineer
Solid Waste Management
Baranagar Municipality

NAME OF WORK:- ESTIMATE FOR ELECTRICAL WORK OF 2 SEATED PUBLIC TOILET AT GLT ROAD NEAR SUBHASPALLY PARK OPPOSITE TO PCM COLLEGE LOCATED AT WARD NO.14 UNDER BARANAGAR MUNICIPALITY OF WEST BENGAL (MODEL NO -F) [ASPIRATIONAL PARAMETER]

*** As per PWD & I & WD schedule district charges will be applicable on PWD & I & WD schedule items**

*** No district charges will be applicable on non-schedule items**

Sl No.	Iteam Description	Unit	Quantity	Rate	Amount
1	Distribution wiring in 2 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire(Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (**Precision make**), with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switchfixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish. [PWD Schedule Page No-E-14 Iteam No-2a] Average run 5 mtr	Point	12	612.00	7344.00
2	Distribution wiring in 1.1 KV grade 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (**Precision make**), with 1.1 KV grade 1 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire as ECC, to 5A 3 pin flush type plug socket & Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. painting the MS box and mending good the damages to original finish **On Board (only for pay counter)** **[PWD Schedule Page No-E-15; I-4a]**	Point	2	67.00	134.00
3	Supplying and fixing 240V 32A Double Pole AC Type 30mA RCCB.(Complete Set) (ISI marked) **[Make- Legrand]** (Cat No 4113/95) **[Legrand Page No-92]**	Nos	1	5942.00	5942.00
4	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (**Precision make**) incl. necy. fittings as required 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC **[PWD Schedule Page No-E-14 Iteam No-1a(ii)]**	mtr	15 ~~32~~	119.00	~~3808.00~~ 1785.00

5	Supplying and fixing double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. **a) For (2+4 way) (Make -Havells)** **[PWD Schedule Page No-D-9;Iteam No-13]**	No	1	935.00	935.00
6	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection 6-32A SP MCB (**Make -Havells**) **[PWD Schedule Page No-D-6;Iteam No-7]**	Nos	~~5~~ 4	168.00	~~840.00~~ 672.00
7	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection. 40A DP MCB Isolator **(Make -Havells)** **[PWD Schedule Page No-D-5;Iteam No-6]**	Nos	1	208.00	208.00
8	Supply of TMC501 conventional industrial batten (**Philips make**) LED Tube,model no- TMC501 P1xT-LED 22W P3241 **(WB I & WD schedule P-113, I- 5:3 F.22)**	Nos	3	451.00	1353.00
9	Fixing only single/twin fluroscent light fitting complete with all accessories directly on wall/ceiling by screws etc.. **[PWD Schedule Page No-C-2;Iteam No-14a]**	Nos	3	86.00	258.00
10	Supply & fixing Bulk head light fittings with die cast aluminium housing frosted/clear glass on wall/ceiling incl S/F 9 watt LED Lamp complete set. **[Make - Havells]** **(PWD sch - Page--D-13, I-23)**	Nos	3	654.00	1962.00
11	Supply & fixing smart bright street light complete with all accessories to be fixed from the wall of building or on pole incl. making holes /providing clamping arrangement & necy. GI reducer as required.S&F 40 mm GI Pipe 1.5 mtr average length & s&f necy length of 1.5 sqmm pvc insulated single core copper wire & making connections as required & mending good damages incl wall paingting. **(30 Watt) (Make - Bajaj)** **[WB I&WD sch P-111, I-f.9.0.2]**	Nos	1	3016.00	3016.00
12	Supply of 9" domestic metal exhaust fan 9" (225mm)SWEEP. TRANS AIR - **(Make-Crompton/Havells/Bajaj)** **(UD & MA schedule P-14, I-5))**	Nos	3	1863.00	5589.00
13	Fixing only exhaust fan after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection for exhaust of following diameter: 22.5 cm (9") **[PWD Schedule Page No-C-4;Iteam No-28(b)]**	Nos	3	247.00	741.00

14	Fixing only louver shutter/cowl on wall with necy. bolts & nuts [illegible] mm dia x 62 mm long) For 22.5 cm(9") Exhaust fan **[PWD Schedule Page No-C-4;Iteam No-30(b)]**	Nos	3	82.00	246.00
15	Supply of 240V A.C Ceiling Fan (48" sweep,1200 mm complete) **[Make-Crompton** [for counter only] **(UD & MA schedule P- 23, I- 70)**	Each	1	2283.00	2283.00
16	Fixing only Ceiling Fan **[PWD sch P- C-3, I-21(a)]**	Each	1	66.00	66.00
17	Supply & Fixing 240 V, 16/20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board incl. S & F 100x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required. (For Hand Dryer machine) **[PWD sch P- E-6, I-17(b)]**	Each	2	201.00	402.00
18	S/F 240V 25A Modular type starter (brand approved by EIC)with 25 A. Modular switch DP MCB (C-Curve)and 4 Module G.I. Moduar type switch board with 4 Module Top Cover Plate flushed in wall incl. S/F switch board and Cover Plate and making necy. Connections with PVC Copper wire and earth connectivity wire etc. as per schedule [**for Pump**] **[PWD Schedule Page No-E-19, Item No-17]** **(Please follow in details)**	Nos	1	784.00	784.00
19	Supply and Fixing of 2 mm Polyvinyl glow sign board made of 22 SWG GI sheet box with 1"X1" aluminum channel for fixing the vinyl board after necessary cutting the letter as required & s\f LED tube light fittings along with all accessories. (16 sqft @495.00/sqft) **(UD & MA schedule P-14, I-4)**	Nos	1	7920.00	7920.00
20	Earthing installation by GI earth Spike (1830 X 20 mm) including 8SWG GI EarthWire & GI nuts, bolts, washer etc.	Nos	1	450.00	450.00
	Supply, and fixing of 1 HP self Priming pump: Make- KSB, Peribloc-1 **(UD & MA schedule P-44, I-34)**	Each	1	6377.00	6377.00
			Total		50658.00
			Add 18% GST		9118.44
			Total With GST (A)		59776.44
			Cess@1%		597.76
			total		60374.20
	Contingency Amount on "A"		Contingency@3%		1793.29
	(Total+GST)=Rs:		**Total**		62167.50
			Say Rs.		**62168.00**
	Service Connection Charges as per Quotation				

48467.00
8724.06
57191.06
571.91
57762.97
1715.73
59478.70
59479.00

KOUSIK DEY
S.A.E. (ELECTRICAL)
Baranagar Municipality

(Aparna Moulik)
Chairman
Baranagar Municipality

Technically Vetted Rs.: 59,479.00
(Rupees Fifty nine Thousand four Hundred Seventy nine only.

24.07.25
Junior Engineer
Electrical & Mechanical Division
SUDA

24.7.25
ASSISTANT ENGINEER
ELECTRICAL & MECHANICAL DIVISION
SUDA

24/7/25
Executive Engineer (E/M)
O/O the Secretary M.E. Dte.
Government of West Bengal

Construction Of Public Toilet Block Model No-F Civil Works Toilet Seat-2 And Urinal-3 Nos At G.L.T Road Subhash Pally Park (Opposite to PCM College) Under Baranagar Municipality,Ward No-14 , NON SCHEDULE ITEMS

SL.NO	Item Description & Item No.	Quantity	Rate	Unit	Ammount
1	Non Shedule Item Sl. No. 91-106 (Order as per SUDA) standard plastic dustbin (12lits)	2	350	Each	700.00
2	Sinage APC based & Reflective vinyl	5	3776	each	18880.00
3	Supplying and fixing sinage with fixing stand post for public toilet for visible to passersby	5	1000	Each	5000.00
4	Glow Sign board Name and contact details of the following are displayed prominently - Toilet Identification number , name of ULB under which	1	5000	each	5000.00
5	Installation of Sinage	1	2071	each	2071.00
6	Air freshner(pack of 4nos)	8	216	Each	1728.00
7	Air freshner (Napthaline 250 gm)	5	210	Each	1050.00
8	Supplying paper Napkin	5	50	Each	250.00
9	Supplying Sanitary Napkin (Whisper or similar make 50 pcs)	4	520	Each	2080.00
10	Harpic (blue 500 ml)	4	300	Each	1200.00
11	Harpic (Red 500 ml)	4	150	Each	600.00
12	Gala double lip floor wiper	4	350	Each	1400.00
13	Colin glass or surface cleaner	2	200	Lit	400.00
14	Muriatic Acid	2	145	Lit	290.00
15	Bleaching powder	4	120	Kg	480.00
16	Dettol ,lifeboy or similar make liquid soap	8	140	Lit	1120.00
17	Rubber hand gloves	6	80	Pair	480.00
18	Double side plastic brush	6	125	Each	750.00
19	Plastic Broom	4	170	Each	680.00
20	SMS/any otherICT based feedback system (With number displayed on which SMS has to be sent)	1	5000	each	5000.00
21	Mini Tulu Pump	1	4000	each	4000.00
22	supplying roaster /register for keeping acoount of regular cleanig	3	200	Each	600.00
23	Lettering on Toilet Wall for display of name and contact details of ULB ward number and name of maintanance authority , saniinspector, etc.	1	1000	each	1000.00
			TOTAL	**Rs.**	**54759.00**
	Add Labour.Welfare.Cess.		**1%**	**Rs.**	**547.59**
	Total Amount Including Labour.Welfare.Cess.			**Rs.**	**55306.59**
	Add Contengency@ 3 %			**Rs.**	**1659.20**
	GRAND TOTAL			**Rs.**	**56965.79**
	Say			**Rs.**	**56966.00**

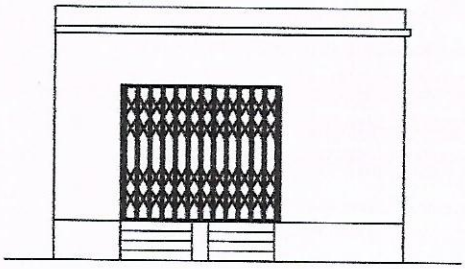
Chairman
Baranagar Municipality

VETTED

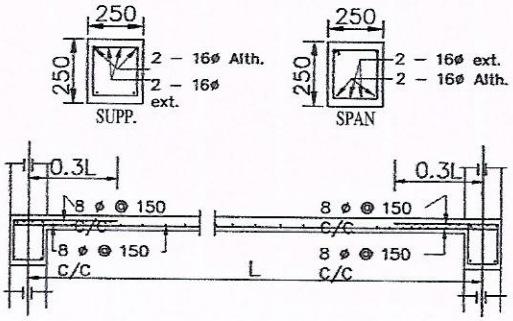
Superintending Engineer
W & S (GAP) Sector
K.M.D.A.

Rejaan Hasan
Nodal Engineer
Solid Waste Management
Baranagar Municipality

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

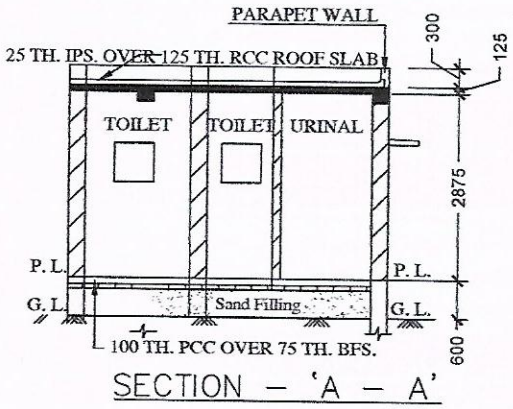


FRONT ELEVATION

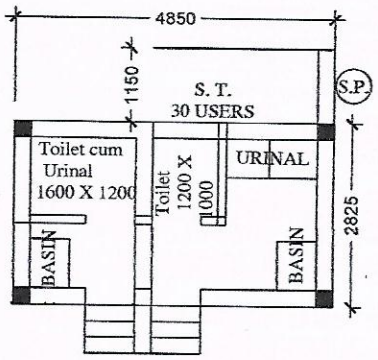


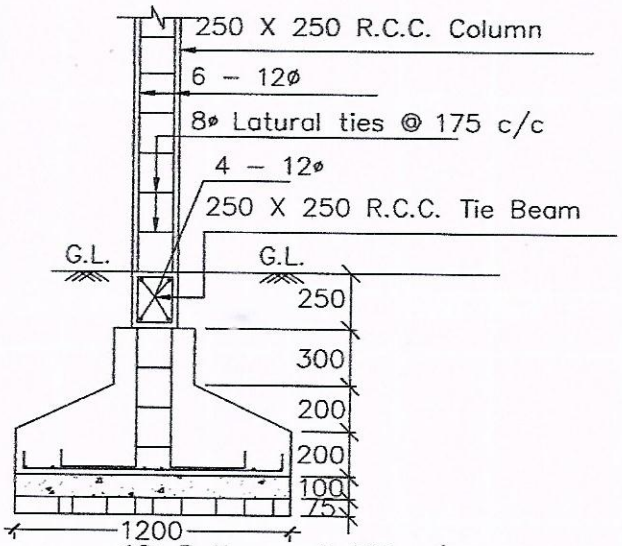
Details Of R.C.C Roof Slab & Beam

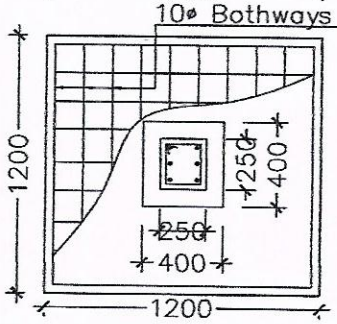
(SCALE – 1 : 25)



SECTION – 'A – A'







DETAILS OF R. C. C COLUMN

(SCALE – 1 : 25)

Rejuan Hasan
Nodal Engineer
Solid Waste Management
Baranagar Municipality