

	a) 40 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20.	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00	1596.00
21.	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii), page-102	55.00	Mtr	291.00	16005.00
22.	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand) page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
23.	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., one 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. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
24.	Supplying, fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position..... wooden blocks complete (iii) corner urinal 440mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00	1167.00
25.	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00	6574.00
26.	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jham chips complete. (Payment of concrete will be paid separately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00

27) supplying fitting & fixing fibre reinforced polymer (FRP) respecting door frame as per approved section with  
door slab proper entire (3-3, 89-115)  
i) 66 mm x 90 mm

20.00	Mtr	497.00	9940.00
-------	-----	--------	---------

28	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6 page-52	5.48	Mtr	293.00	1605.64
30	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. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. - 21, Page No. - 212 i. 75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No. - 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm <i>vent conul</i> (a) 75 mm	3.00	Mtr	196.00	588.00
		1.00	Nos	25.00	25.00
32	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.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No. - 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No. - 3 (f) Hand Shower (Health Faucet) with 1mtr Flexible Tube with Wall Hook (Equivalent to Code No. 573 & Model - ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	clamps complete.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
35	(i) Polythene Flush Pipe  Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145	8.00	Each	95.00	760.00
36	(a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod.  i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141 (h) 250mm long	8.00	Each	159.00	1272.00
37	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.  PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140 (viii) 100mm. X 75mm. X 3.50mm.	16.00	Each	66.00	1056.00
38	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 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,	1	Each	45953.00	45953.00



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 IS code

ii) For 20 users

A) With Pakur variety. (SAIL/TATA/RINL) page-88, item-3(ii)(A)

Rs 219,543.21

Rs 26,345.19

Rs 245888.40

Rs 2458.88

Rs 7,376.65

Rs 255,723.93

Rs 255,724.00

Rs.

219543.21

Add 12%  
G.S.T

215440.29

25853.55

26345.19

Rs

241299.84

Add cess  
1%

2412.99

Add  
contingency  
3%

7238.99

Rs

250951.82

Say of Rs.

250952.00

retd.

29/05/2020  
Executive Engineer  
Nadia Division M.E. Dte  
Deptt. of M.A. W.B

Sub Assistant L. G.

Cooper's Camp Notified  
Area Authority

28.05.2020  
Junior Engineer (Civil)  
Nadia Division  
M.E. Dte., M.A. Deptt.  
Govt. of West Bengal

28/5/2020  
Assistant Engineer  
Nadia Division  
M.E. Dte., M.A. Deptt.  
Govt. of West Bengal

Chairman  
Cooper's Camp Notified  
Area Authority



**Estimate for construction of gents and ladies toilet and latrine near  
Panchesekher more at ward no -9 under Copper's Camp Notified Area  
authority.**

SL N O	DESCRIPTION OF ITEM	QUA NTIT Y	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref- P.C.S.(Building), page-14,item-1	7.47	M <sup>2</sup>	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M <sup>3</sup>	4224.25	3155.51
4.	125mm thick brick work with 1 <sup>st</sup> class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M <sup>2</sup>	671.53	10334.85
5.	Brick work with 1 <sup>st</sup> class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M <sup>3</sup>	4907.05	12365.77
6.	Cement concrete M <sup>20</sup> (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes.page-26, item-10.	1.63	M <sup>3</sup>	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, 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. ii JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M <sup>2*</sup>	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a).				
	plaster (to wall, floor, ceiling etc ) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary page-189, item-1				
	10 mm thick (1.24)	8.64	M <sup>2</sup>	125.55 ✓	1084.75 ✓
	15 mm thick (1.16)	49.75	M <sup>2</sup> 142.55	155.24 ✓	2723.16 7042.11
	20 mm thick (1.16)	51.85	M <sup>2</sup>	161.73 ✓	8385.70 ✓
10	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 monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. 14, Page No. 125	<del>8.00</del> 6.00	M <sup>2</sup>	2581.00 ✓	<del>20648.00</del> 15486.00
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the exiting work and 4 nos. of key stones (10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar (1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M <sup>2</sup>	741.00 ✓	16620.63 ✓
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete ( 1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	mm. ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M <sup>2</sup>	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M <sup>2</sup>	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M <sup>2</sup>	78.00	5945.16
15	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(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M <sup>2</sup>	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M <sup>2</sup>	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement... using cement @ 1.75kg/m <sup>2</sup> all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M <sup>2</sup>	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr	90.00	4273.20



	a)40 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20.	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i), page-54	1	Each	1596.00	1596.00
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii), page-102	55.00	Mtr	291.00	16005.00
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand). page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
23	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., one 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. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
24.	Supplying, fitting and fixing flat back urinal(half stall urinal) in white vitreous chinaware of approved make in position..... wooden blocks complete (iii) corner urinal 440mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00	1167.00
25.	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b) with S trap Item-3(b), page-79	2	Each	3287.00	6574.00
26.	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 separately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00

27) Supplying fitting & fixing fibre reinforced polym  
(FRP) compacting door frame as per approved  
section with glass fibre - - - - -  
- - - - - door half paper entire  
(3-3, 89-115)  
i) 60 mm X 90 mm

20.00	Mtr	497.00	9940.00
-------	-----	--------	---------

27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
29	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
30	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. PWD(WB), S.O.R. Volume - I: Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 75 mm dia Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm (a) 75 mm	3.00	Mtr	196.00	588.00
		1.00	Nos	25.00	25.00
32	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.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr. Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	clamps complete.				
	PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
	i) Polythene Flush Pipe				
35	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:	8.00	Each	95.00	760.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145				
	(a) With continuous plate base (Hexagonal/ Round rod) (iv) 125 mm grip x 10 mm dia rod.				
36	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.	8.00	Each	159.00	1272.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141				
	(b) 250mm long.				
37	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.	16.00	Each	66.00	1056.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140				
	(viii) 100mm. X 75mm. X 3.50mm.				
38	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 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,	1	Each	45953.00	45953.00



A) With Pakur variety. (SAIL/TATA/RINL)  
page-88, item-3(ii)(A)

~~Ru 255734: 40~~

Say of Rs.	250952.00
------------	-----------

  
Assistant Engineer  
Nadia Division  
M.E.Dte., M.A. Deptt.  
Govt. of West Bengal

  
Chairman  
Cooper's Camp Notified  
Area Authority

**Estimate for construction of gents and ladies toilet and latrine near 2 no railgate at ward no -10 under Copper's Camp Notified Area authority.**

SL NO	DESCRIPTION OF ITEM	QUA NTIT Y	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A) Depth of excavation not exceeding 1500mm. P.C.S.(Building), page-1, item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref- P.C.S.(Building), page-14, item-1	7.47	M <sup>2</sup>	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro. page-23, item-1(a).	0.747	M <sup>3</sup>	4224.25	3155.51
4.	125mm thick brick work with 1 <sup>st</sup> class bricks in cement mortar (1:4) in ground floor. page-16, item-16	15.39	M <sup>2</sup>	671.53	10334.85
5.	Brick work with 1 <sup>st</sup> class bricks in cement mortar (1:6) pro. a) in foundation & plinth. page-15, item-8(a).	2.52	M <sup>3</sup>	4907.05	12365.77
6.	Cement concrete M <sup>20</sup> (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes. page-26, item-10.	1.63	M <sup>3</sup>	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust, 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 ii. JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with required bracing for concrete slab beam & column & intel curved or straight including fitting, fixing and striking out after completion of work.	13.79	M <sup>2</sup>	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a). plaster (to wall, floor, ceiling etc ) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:6) 20 mm thick (1:8)	8.64 49.75 51.85	M <sup>2</sup> M <sup>2</sup> M <sup>2</sup>	125.55 <del>155.24</del> 161.73	1084.75 <del>7723.19</del> 8385.70
10	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 monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. 14, Page No. -125 i.25 mm thick	<del>8.00</del> 6.00	M <sup>2</sup>	2581.00	<del>20648.00</del> 15486.00
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the exiting work and 4 nos. of key stones (10 mm) fixed with araldite at the back of each tile & finishing the joint 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 with cement mortar (1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M <sup>2</sup>	741.00	16620.63
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete ( 1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				



	mm. ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M <sup>2</sup> *	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M <sup>2</sup>	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M <sup>2</sup>	78.00	5945.16
15	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(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M <sup>2</sup> *	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M <sup>2</sup>	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement... using cement @ 1.75kg/m <sup>2</sup> all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M <sup>2</sup>	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each *	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr	90.00	4273.20

	a)40 mm dia boring etc. top enlargement page-49,item-1(d)(ii)				
20	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i),page-54	1	Each	1596.00	1596.00
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii),page-102	55.00	Mtr	291.00	16005.00
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand) page-06,item-7(a)(i)	10.00	Each	539.00	5390.00
23	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., one 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. (i) 450 mm X 300 mm size page-41,item-2	2	Each	1979.00	3958.00
24	Supplying, fitting and fixing flat back urinal(half stall urinal)in white vitreous chinaware of approved make in position..... wooden blocks complete (iii)corner urinal 440mm X 345 mm X 250 mm Item-6(iii),page-80	1	Each	1167.00	1167.00
25	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b)with S trap Item-3(b),page-79	2	Each	3287.00	6574.00
26	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 page-80,item-7	1	Each	881.00	881.00

27) supplying fitting & fixing fibre reinforced  
Polymer (FRP) compressing door frame as per  
approved section with - - - - -

door with proper center (3-3, 89-115)

1) 66 mm x 90 mm

20.00	Mtr	497.00	9940.00
-------	-----	--------	---------

27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
29	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. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i. 75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
30	Supply of UPVC pipes (B Type) & fittings conforming to IS 13592-1992  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm <i>vent cool</i> (a) 75 mm	3.00 1.00	Mtr Nos	196.00 25.00	588.00 25.00
31	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.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
32	Supplying, fitting and fixing shower of approved brand and  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr. Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
33	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00



	clamps complete.				
	PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
	ii) Polythene Flush Pipe				
35	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:	8.00	Each	95.00	760.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145				
	(a) With continuous plate base (Hexagonal/ Round rod)				
	(iv) 125 mm grip x 10 mm dia rod.				
36	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.	8.00	Each	159.00	1272.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141				
	(b) 250mm long.				
37	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.	16.00	Each	66.00	1056.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140				
	(viii) 100mm. X 75mm. X 3.50mm.				
38	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 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,	1	Each	45953.00	45953.00

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 IS code

ii) For 20 users

A) With Pakur variety. (SAIL/TATA/RINL) page-88, item-3(ii)(A)

Rs 219,543.21

Rs 26345.19

Rs 245888.40

Rs 24588.88

Rs 7,376.45

Rs 255,723.93

Rs 255,724.90

Rs.

219543.21

215446.29

Add 12%  
G.S.T

25853.55

26345.19

Rs

241299.84

Add cess  
1%

2412.99

Add  
contingency  
3%

7238.99

Rs

250951.82

Say of Rs.

250952.00

vetter

29/05/2020  
Executive Engineer  
Nadia Division M.E. Dte  
Deptt. of M.A. W.B

Sub Assistant Engineer  
Cooper's Camp Notified  
Area Authority

Chairman  
Cooper's Camp Notified  
Area Authority

28.05.2020  
Junior Engineer (Civil)  
Nadia Division  
M.E. Dte., M.A. Deptt.  
Govt. of West Bengal

28/5/2020  
Assistant Engineer  
Nadia Division  
M.E. Dte., M.A. Deptt.  
Govt. of West Bengal

**Estimate for construction of gents and ladies toilet and latrine near pond(Ujjal Sangha) at ward no -11 under Copper's Camp Notified Area authority.**

SL N O	DESCRIPTION OF ITEM	QUA NTIT Y	UNIT	RATE	AMOUNT RS P
1	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm P.C S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref- P.C.S.(Building), page-14,item-1	7.47	M <sup>2</sup>	325.00	2427.75
3	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M <sup>3</sup>	4224.25	3155.51
4	125mm thick brick work with 1 <sup>st</sup> class bricks in cement mortar (1:4 ) in ground floor.page-16, item-16	15.39	M <sup>2</sup>	671.53	10334.85
5	Brick work with 1 <sup>st</sup> class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M <sup>3</sup>	4907.05	12365.77
6	Cement concrete M <sup>20</sup> (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes page-26, item-10.	1.63	M <sup>3</sup>	5809.18	9468.96
7	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, 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 ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column &lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M <sup>2</sup>	330.00	4550.70



	25 mm to 30 mm thick etc. page-42, item-36(a)				
	plaster (to wall, floor, ceiling etc ) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating nosing and drip course where necessary page-189, item-1				
	10 mm thick (1:4)	8.64	M <sup>2</sup>	125.55 ✓	1084.75 ✓
	15 mm thick (1:4)	49.75	M <sup>2</sup>	142.55 ✓	7723.19 ✓
	20 mm thick (1:6)	51.85	M <sup>2</sup>	155.24 ✓	8385.70 ✓
				161.73 ✓	7842.11 ✓
10	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 monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. 14, Page No. -125	<del>8.00</del> 6.58	M <sup>2</sup>	2581.00 ✓	<del>30648.00</del> 15486.07 ✓
11	i.25 mm thick Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the exiting work and 4 nos. of key stones(10 mm) fixed with araldite at the back of each tile & finishing the joint with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or bt synthetic adhesive & grout materials etc. B.wall with cement mortar(1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M <sup>2</sup>	741.00 ✓	16620.63 ✓
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete ( 1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	mm. ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M <sup>2</sup> *	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M <sup>2</sup>	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M <sup>2</sup>	78.00	5945.16
15	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(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M <sup>2</sup> *	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M <sup>2</sup>	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement. using cement @ 1.75kg/m <sup>2</sup> all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M <sup>2</sup>	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each *	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr	90.00	4273.20

	a)40 mm dia boring etc. top enlargement page-49,item-1(d)(ii)				
20.	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i),page-54	1	Each	1596.00	1596.00
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia. item-1(e)(ii),page-102	55.00	Mtr	291.00	16005.00
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	10.00	Each	539.00	5390.00
23	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., one 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. (i) 450 mm X 300 mm size page-41,item-2	2	Each	1979.00	3958.00
24.	Supplying, fitting and fixing flat back urinal(half stall urinal)in white vitreous chinaware of approved make in position..... wooden blocks complete (iii)corner urinal 440mm X 345 mm X 250 mm Item-6(iii),page-80	1	Each	1167.00	1167.00
25.	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b)with S trap Item-3(b),page-79	2	Each	3287.00	6574.00
26.	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 page-80,item-7	1	Each	881.00	881.00

27) supplying fitting & fixing fibre reinforced polymer (FRP) compacting door frame on  
for -

20-00 Mtr 497.00 9940.00

door with proper center.

(3-3, 189-115)

1) 66 mm x 90 mm



27	Labour for punching hole in plastic water storage tank upto 20 mm dia. page-38, item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P V C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1607.64
29	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. PWD(WB), S.O.R. Volume - I: Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i. 75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
30		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS: 13592-1992  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm <i>vent cowl</i> (a) 75 mm	3.00 1.00	Mtr Nos	196.00 25.00	588.00 25.00
32	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.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	clamps. complete.				
	PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
	ii) Polythene Flush Pipe				
35	<p>Anodised aliminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145</p> <p>(i) With continuous plate base (Hexagonal/ Round rod)</p> <p>(iv) 125 mm grip x 10 mm dia rod.</p>	8.00	Each	95.00	760.00
36	<p>i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141</p> <p>(b) 250mm long.</p>	8.00	Each	159.00	1272.00
37	<p>Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.</p> <p>PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140</p> <p>(viii) 100mm. X 75mm. X 3.50mm.</p>	16.00	Each	66.00	1056.00
38	<p>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 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,</p>	1	Each	45953.00	45953.00

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 IS code

ii) For 20 users

A) With Pakur variety. (SAIL/TATA/RINL) page-88, item-3(ii)(A)

Rs 219,543.21

Rs 26,345.19

Rs 245,888.40

Rs 2458.88

Rs 7,376.65

Rs 255,723.93

Rs 255724.48

Rs.	219543.21
Add 12% G.S.T	<del>25853.55</del> 26345.19
Rs	241299.84
Add cess 1%	2412.99
Add contingency 3%	7238.99
Rs	250951.82
Say of Rs.	250952.00

vetted  
29/05/20  
Executive Engineer  
Nadia Division M.E. Dte  
Deptt. of M.A. W.B

Chairman  
Cooper's Camp Notif...  
Area Authority

Sub Assistant Engg  
Cooper's Camp Notified  
Area Authority

28.05.2020  
Junior Engineer (Civil)  
Nadia Division  
M.E. Dte., M.A. Deptt.  
Govt. of West Bengal

28/5/20  
Assistant Engineer  
Nadia Division  
M.E. Dte., M.A. Deptt.  
Govt. of West Bengal



**Estimate for construction of gents and ladies toilet and latrine near  
Community Hall at ward no -12 under Copper's Camp Notified Area  
authority.**

SL NO	DESCRIPTION OF ITEM	QUA NTIT Y	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556 99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref- P.C.S (Building), page-14,item-1	7.47	M <sup>2</sup>	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M <sup>3</sup>	4224.25	3155.51
4.	125mm thick brick work with 1 <sup>st</sup> class bricks in cement mortar (1:4 ) in ground floor.page-16, item-16	15.39	M <sup>2</sup>	671.53	10334.85
5.	Brick work with 1 <sup>st</sup> class bricks in cement mortar (1:6) pro a) in foundation & plinth.page-15, item-8(a).	2.52	M <sup>3</sup>	4907.05	12365.77
6.	Cement concrete M <sup>20</sup> (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes page-26, item-10.	1.63	M <sup>3</sup>	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups binders etc initial straightening and removal of loose rust, 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. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column & lintel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M <sup>2</sup>	330.00	4550.70

	25 mm to 30 mm thick etc. page-42, item-36(a) plaster (to wall, floor, ceiling etc ) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating nosing and drip course where necessary. page-189, item-1 10 mm thick (1:4) 15 mm thick (1:6) 20 mm thick (1:8)	8.64 49.75 51.85	M <sup>2</sup> M <sup>2</sup> M <sup>2</sup>	125.55 142.55 155.24 161.73	1084.75 7723.19 8385.70
10	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 monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No. 14, Page No. - 125 1.25 mm thick	<del>8.00</del> 6.00	M <sup>2</sup>	2581.00	<del>20648.00</del> 15486.00
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the exiting work and 4 nos. of key stones (10 mm) fixed with araldite at the back of each tile & finishing the joint 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 with cement mortar (1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M <sup>2</sup>	741.00	16620.63
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete ( 1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				

	mm. ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M <sup>2</sup>	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M <sup>2</sup>	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M <sup>2</sup>	78.00	5945.16
15	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(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M <sup>2</sup>	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M <sup>2</sup>	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement. using cement @ 1.75kg/m <sup>2</sup> all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M <sup>2</sup>	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr	90.00	4273.20



	a)40 mm dia boring etc. top enlargement page-49,item-1(d)(ii)				
20	Supplying, fitting & fixing popular Chhaya Maya pump no - 6 item-14(i),page-54	1	Each	1596.00	1596.00
21	Supply of G.I. pipe of "TATA" make including socket 40mm dia item-1(e)(ii),page-102	55.00	Mtr	291.00	16005.00
22	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand). page-06,item-7(a)(i)	10.00	Each	539.00	5390.00
23	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., one 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. (i) 450 mm X 300 mm size page-41,item-2	2	Each	1979.00	3958.00
24	Supplying, fitting and fixing flat back urinal(half stall urinal)in white vitreous chinaware of approved make in position..... wooden blocks complete (iii)corner urinal 440mm X 345 mm X 250 mm Item-6(iii),page-80	1	Each	1167.00	1167.00
25	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b)with S trap Item-3(b),page-79	2	Each	3287.00	6574.00
26	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 page-80,item-7	1	Each	881.00	881.00

27) Supplying fitting & fixing fibre reinforced polymer (FRP) compressing door frame as per approved  
Door Jali proper  
enter (3-3, 89-115)  
i) 66mm x 90mm

20.00	Mtr	497.00	9940.00
-------	-----	--------	---------

27	Labour for punching hole in plastic water storage tank upto 50 mm dia. Page-38, item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6, page-52	5.48	Mtr	293.00	1605.64
30	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. PWD(WB), S.O.R. Volume - I: Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 i. 75 mm dia c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm <del>Vent end</del> (a) 75 mm	1.00	Nos	95.00	95.00
		3.00	Mtr	196.00	588.00
		1.00	Nos	25.00	25.00
32	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.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00

	clamps complete.				
	PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
35	i) Polythene Flush Pipe	8.00	Each	95.00	760.00
	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:				
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145				
	(p) With continuous plate base (Hexagonal/ Round rod)				
	(iv) 125 mm grip x 10 mm dia rod.				
36	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.	8.00	Each	159.00	1272.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141				
	(h) 250mm long.				
37	iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.	16.00	Each	66.00	1056.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140				
	(viii) 100mm. X 75mm. X 3.50mm.				
38	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 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,	1	Each	45953.00	45953.00



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 IS code

ii) For 20 users

A) With Pakur variety. (SAIL/TATA/RINL) page-88, item-3(ii)(A)

Rs 219543.21

Rs 26345.19

Rs 245888.40

Rs 2458.88

Rs 7,376.65

Rs 255,723.93

Rs 255724.00

Rs.

219543.21

215446.29

Add 12%  
G.S.T

25853.55

26345.19

Rs

241299.84

Add cess  
1%

2412.99

Add  
contingency  
3%

7238.99

Rs

250951.82

Say of Rs.

250952.00

24/5/2020  
Executive Engineer  
Nadia Division M.E. Dte  
Deptt. of M.A. W.B

Chairman  
Cooper's Camp Notified  
Area Authority

Sub Assistant  
Cooper's Camp Notified  
Area Authority

26.05.2020  
Junior Engineer (Civil)  
Nadia Division  
M.E. Dte. M. A. W.B.  
Govt. of West Bengal

28/5/2020  
Assistant Engineer  
Nadia Division  
M.E. Dte., M.A. Deptt.  
Govt. of West Bengal

**Estimate for construction of gents and ladies toilet and latrine near  
Vivekananda Club at ward no -12 under Copper's Camp Notified Area  
authority.**

SL NO	DESCRIPTION OF ITEM	QUA NTIT Y	UNIT	RATE	AMOUNT RS P
1.	Earthwork in excavation of foundation trenches or drains in all sorts soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches. Leveling, dressing, and ramming the bottom bailing out water as required complete. A)Depth of excavation not exceeding 1500mm.P.C.S.(Building), page-1,item-2(a)	4.67	% cum	11927.00	556.99
2.	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth local sand. Ref- P.C.S (Building), page-14,item-1	7.47	M <sup>2</sup>	325.00	2427.75
3.	Cement concrete with graded jhama khoa (30mm size) excluding shuttering in ground floor & foundation. a) 1:3:6 pro.page-23, item-1(a).	0.747	M <sup>3</sup>	4224.25	3155.51
4.	125mm thick brick work with 1 <sup>st</sup> class bricks in cement mortar (1:4) in ground floor.page-16, item-16	15.39	M <sup>2</sup>	671.53	10334.85
5.	Brick work with 1 <sup>st</sup> class bricks in cement mortar (1:6) pro.a) in foundation & plinth.page-15, item-8(a).	2.52	M <sup>3</sup>	4907.05	12365.77
6.	Cement concrete M <sup>20</sup> (1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement if any in ground floor as per relevant IS codes.page-26, item-10.	1.63	M <sup>3</sup>	5809.18	9468.96
7.	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups,binders etc initial straightening and removal of loose rust, 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. ii.JSW/JSPL/SHYAM/SRMB/SSL Page-27, item-15.	0.093	MT	54375.54	5056.93
8.	Hire & labour charges for shuttering with centering & necessary staging up to 4mt using approved stout and thick hard wood planks of approved thickness with requird bracing for concrete slab beam & column &intel curved or straight including fitting,fixing and striking out after completion of work.	13.79	M <sup>2</sup>	330.00	4550.70



	25 mm to 30 mm thick etc. page-42, item-36(a).				
	plaster (to wall, floor, ceiling etc ) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating nosing and drip course where necessary. page-189, item-1				
	10 mm thick (1:4)	8.64	M <sup>2</sup>	125.55	1084.75
	15 mm thick (1:6)	49.75	M <sup>2</sup> 142	155.24	7723.19
	20 mm thick (1:6)	51.85	M <sup>2</sup>	161.73	8385.70
10	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 monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017 Item No. 14, Page No. 125	<del>8.00</del> 6.00	M <sup>2</sup>	2581.00	<del>20648.00</del> 15486.00
11	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work and 4 nos. of key stones (10 mm) fixed with araldite at the back of each tile & finishing the joint 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 with cement mortar (1:4) 20 mm thick Area of each tile upto 0.09 sq.m Coloured decorative	22.43	M <sup>2</sup>	741.00	16620.63
12	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1973 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete ( 1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. i) Fixed type ventilators as per I.S. sizes with horizontal glazing bars height being limited to 580				



	mm. ii) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars. page-107, item-20(viii)	0.72	M <sup>2</sup>	138.00	99.36
		11.52	Kg	94.00	1082.88
13	Priming coat on timber, plastered with synthetic enamel approved quality including smoothening surface etc. Page-200, item-1(b)	76.22	M <sup>2</sup>	38.00	2896.36
14	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. a) on timber or plastered surface two coat page -200, item-2(a)(ii)	76.22	M <sup>2</sup>	78.00	5945.16
15	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(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-1, Page No. - 200	0.72	M <sup>2</sup>	29.00	20.88
16	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-3, Page No. - 201	0.72	M <sup>2</sup>	57.00	41.04
17	Artificial stone in floor, dado etc. with cement concrete(1:2:4) with stone chips, laid in panels as directed with topping made with ordinary white cement. using cement @ 1.75kg/m <sup>2</sup> all complete including all materials and labour. Item-6(i), page-48 20 mm thick	13.51	M <sup>2</sup>	226.28	3057.04
18	Supplying plastic water storage tank of approved quality with closed top with lid (BLACK) multilayer 1000 lt capacity Pg-37, item-6(b)	1.00	Each	5128.00	5128.00
19	Labour for boring tube well of required dia. By water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50mm gap in between the outside of the tube well pipe and the bore. for depth upto 150 m	47.48	Mtr	90.00	4273.20

	a)40 mm dia boring etc. top enlargement page-49, item-1(d)(ii)				
20.	Supplying, fitting & fixing popular Chhaya Maya pump no - 6, item-14(i), page-54	1	Each	1596.00	1596.00
21.	Supply of G.I. pipe of "TATA" make including socket 40mm dia, item-1(e)(ii), page-102	55.00	Mtr	291.00	16005.00
22.	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand). page-06, item-7(a)(i)	10.00	Each	539.00	5390.00
23.	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., one 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. (i) 450 mm X 300 mm size page-41, item-2	2	Each	1979.00	3958.00
24.	Supplying, fitting and fixing flat back urinal(half stall urinal)in white vitreous chinaware of approved make in position..... wooden blocks complete (iii)corner urinal 440mm X 345 mm X 250 mm Item-6(iii), page-80	1	Each	1167.00	1167.00
25.	Supplying, fitting and fixing Anglo Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (b)with S trap Item-3(b), page-79	2	Each	3287.00	6574.00
26.	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhamra chips complete. (Payment of concrete will be paid separately). (i) 450 mm X 350 mm page-80, item-7	1	Each	881.00	881.00

27) Supplying fitting & fixing fibre reinforced polymer (FRP) encasing door frame as per approved

20.00	mtr	497.00	9940.00
-------	-----	--------	---------

door with proper ender (3-3, 89-115)

1) 66 mm x 90 mm

27	Labour for punching hole in plastic water storage tank upto 50 mm dia. page-38, item-13	3	Each	19.00	57.00
28	Supplying, fitting and fixing P.V.C strainer (40 mm dia) Item-6 page-52	5.48	Mtr	293.00	1605.64
30	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, Velamoid/Bitumen/M-Seal etc) complete. PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-21, Page No. - 212 1. 75 mm dia a) Bend 87.5 degree (i) 75 mm. Dia.	3.00	Mtr	188.00	564.00
		1.00	Nos	95.00	95.00
31	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 23, Page No.- 68 (A) (i) Single Socketed 3 Meter Length (a) 75 mm (a) 75 mm	3.00 1.00	Mtr Nos	196.00 25.00	588.00 25.00
32	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.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 9, Page No.- 43 (ii) 450 mm long	2.00	Each	82.00	164.00
33	Supplying, fitting and fixing shower of approved brand and make.  PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 3, Page No.- 3 (f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	2.00	Each	1251.00	2502.00
34	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and	2.00	Each	155.00	310.00



	clamps complete.				
	PWD(WB), S.O.R. Volume - II : Sanitary & Plumbing Works w.e.f. 01/11/2017, Item No. - 11, Page No. 81				
	i) Polythene Flush Pipe				
35	Anodised aliminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:	8.00	Each	95.00	760.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-30, Page No. - 145				
	(b) With continuous plate base (Hexagonal/ Round rod)				
	(iv) 125 mm grip x 10 mm dia rod.				
36	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.	8.00	Each	159.00	1272.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-10, Page No. - 141				
	(b) 250mm long				
37	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.	16.00	Each	66.00	1056.00
	PWD(WB), S.O.R. Volume - I : Building Works w.e.f. 01/11/2017, Item No.-5, Page No. - 140				
	(viii) 100mm. X 75mm. X 3.50mm.				
38	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 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,	1	Each	45953.00	45953.00

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 IS code

ii) For 20 users

A) With Pakur variety. (SAIL/TATA/RINL) page-88 item-3(ii)(A)

Rs 219,543.21

Rs 26,345.19

Rs 245,888.40

Rs 2458.88

Rs 7,376.65

Rs 255723.93

Rs 255724.40

Rs.

219543.21

245446.29

Add 12%

25853.55

G.S.T

26345.19

Rs

241299.84

Add cess

2412.99

1%

Add

7238.99

contingency

3%

Rs

250951.82

Say of Rs.

250952.00

28/5/2020  
 Executive Engineer  
 Nadia Division M.E. Dte.  
 Deptt. of R.A. W.B

Chairman  
 Cooper's Camp Notified  
 Area Authority

Sub Assistant Engineer  
 Cooper's Camp Notified  
 Area Authority

28.05.2020  
 Junior Engineer (Civil)  
 Nadia Division  
 M.E. Dte., M.A. Deptt.  
 Govt. of West Bengal

Assistant Engineer  
 Nadia Division  
 M.E. Dte., M.A. Deptt.  
 Govt. of West Bengal

Office of the  
**DIAMOND HARBOUR MUNICIPALITY**

Diamond Harbour, South 24 Parganas

Ref. No. 114/Latrine/DHM/20

Date 17/3/2020

To  
The Director  
SUDA  
"ILGUS" Bhaban, HC Block, Sector- III  
Salt Lake, Kolkata – 700106



CMPM  
PI.  
18.3.2020

**Sub:- Release of fund on Vetting scheme for "Construction of public toilet (20 nos.) at various places under Diamond Harbour Municipality".**

Sir,

I am submitting the following vetting scheme for releasing of fund for the above-mentioned work.

Kindly do the needful as early as possible.

Thanking you.

Yours faithfully

**Executive Officer  
Diamond Harbour Municipality**

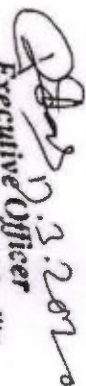
Executive Officer  
Diamond Harbour Municipality  
South 24 Parganas

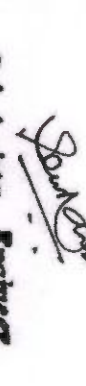


## Requirement of Public Toilet at various places under Diamond Harbour Municipality

Sl. No.	Ward No.	Place	Mouza	Dag No.	W.C.	Urinal	Model No.	Amount (in Rs.)	Type
1	1	Indirpally	Kalishankarpur	238	2	2	1	271486.00	PT
2	3	Kalimatia	Harindanga	260	2	2	1	271486.00	PT
3	3	Forest Goli	Harindanga	639	2	2	1	271486.00	PT
4	4	Subspally	Bhagabampur	706	2	2	1	271486.00	PT
5	5	Kalinagar	Kalinagar	204	2	2	1	271486.00	PT
6	5	Ramchandrapur	Ramchandrapur	554	2	2	1	271486.00	PT
7	6	Near Hospital	Bhagabampur	706	6	6	4	780282.00	PT
8	10	Behind Kalibazar	Madhabpur	21	2	2	1	271486.00	PT
9	10	Tentultala	Madhabpur	72	2	2	1	271486.00	PT
10	10	Police Station	Madhabpur	10	2	2	1	271486.00	PT
11	10	S.D.O. Campus	Madhabpur	326	3	3	2	394902.00	PT
12	13	Naturpole	Dakshin Hazipur	129	6	6	4	780282.00	PT
13	13	Water Tank Road	Roynagar	4	6	6	4	780282.00	PT
14	14	Lalpole	Dakshin Hazipur	483	2	2	2	271486.00	PT
15	14	Nadir Dhar	Dakshin Hazipur	260	2	2	1	271486.00	PT
16	16	Sukantapally	Uttar Hazipur	7	3	3	2	394902.00	PT
17	16	Do	Uttar Hazipur	22	3	3	2	394902.00	PT
18	16	Smashan	Dakshin Hazipur	440	2	2	1	271486.00	PT
19	16	Lalpole	Dakshin Hazipur	102	2	2	1	271486.00	PT
20	16	College Road	Uttar Hazipur	94	3	3	2	394902.00	PT
<b>Total</b>									<b>Rs. 7449772.00</b>
<b>(Rupees Seventy Four Lakhs Fourty Nine Thousands Seven Hundred Seventy Two) Only.</b>									

N. B. - All the sites are possessed by Diamond Harbour Municipality. There are some insanitary toilets which are to be demolished and in those places new Public Toilet will be constructed.

  
**Executive Officer**  
 Diamond Harbour Municipality  
 South 24 Parganas

  
**Sub Assistant Engineer**  
 Diamond Harbour Municipality

**Government of West Bengal**

**Office of the Executive Engineer**

**South 24-Parganas Division**

**Municipal Engineering Directorate**

Bikash Bhawan, 1st Floor, South Block, Salt Lake, Kolkata-700 091

Phone No: 033-2337 5475 e-mail: 24prgsdiv2.medte@gmail.com

Memo No. : ME/PRG(S)/ 656/V-14/2012 PE I

Date : 13-3-2020

From

The Executive Engineer,  
South 24 Pgs. Divn.,  
M. E. Dte.

To

The Administrator,  
Diamond Harbour Municipality.

Sub. :- Regarding vetting of model type community  
toilets/public toilets.

Sir,

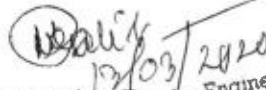
With reference to the above, the schemes of model type public toilet as mentioned below are checked at this end and sent herewith in two sets for your necessary action please.

Model No.	Estimated Amount including 12% GST, 1% Cess and 3% Contingency (Rs.)
1	2,71,486.00
2	3,94,902.00
3	5,31,840.00
4	7,80,282.00

Thanking you,

Yours faithfully,

Encl. :- As stated.

  
13/03/2020  
Executive Engineer  
South 24 Parganas Division, M. E. Dte.

## Estimate For -

Name of the Work:- New Construction of Public Toilet (Model -1) at  
"Diamond Harbour Municipality, Dist-South 24 Parganas.

Ground Floor															
SI No	No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount	
Description of Item															
1	Item No 2, Page -2. 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.														
	1	x	16.875	x	0.750	x	0.750	=	9.492						
	Total =									9.492	M <sup>3</sup>	Rs.11,927.00	%M <sup>3</sup>	Rs.1,132.13	
2	Item No 3, Page -1 Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150mm. Including watering & 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.  For Foundation[earth obtained from foundation]-1/5x Total vol.														1132.11
	1	x	0.200	x	9.492			=	1.898						
	Total =									1.898	M <sup>3</sup>	Rs.7,754.00	%M <sup>3</sup>	Rs.147.20	
3	Item No-1, Page -33. Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand.  For Foundation-  1 x 16.875 x 0.750 = 12.656  For Floor-  2 x 1.525 x 1.675 = 5.109  Total = 17.765														147.17
	Total =									17.765	M <sup>2</sup>	Rs.361.00	M <sup>2</sup>	Rs.6,413.17	
4	Item No. 1.(a) Page -27. (i) Cement concrete with graded jhama khoa (30 mm. size) excluding shuttering. in ground floor & foundation. (a) 6:3:1 proportion-  For Floor-  1 x 16.875 x 0.750 x 0.075 = 0.949 2 x 1.525 x 1.675 x 0.075 = 0.383  Total = 1.332														
	Total =									1.332	M <sup>3</sup>	Rs.4,761.00	M <sup>3</sup>	Rs.6,343.44	
5	Item No -8, Page -16. Brick work with 1st class bricks in cement mortar (6:1) in foundation and plinth  (a) In foundation  1 x 16.850 x 0.625 x 0.150 = 1.580 1 x 17.225 x 0.500 x 0.150 = 1.292 1 x 17.800 x 0.375 x 0.150 = 0.990 1 x 17.975 x 0.250 x 0.150 = 0.674 1 x 17.975 x 0.250 x 0.300 = 1.348  (a) For Step-  1 x 1.750 x 0.250 x 0.150 = 0.066  Total = 5.949														6341.65
	Total =									5.949	M <sup>3</sup>	Rs.5,413.00	M <sup>3</sup>	Rs.32,203.97	
6	Item No -11, Page -45. 25 mm thick damp proof course with cement concrete with stone chips(1:1.5:3) and admixture of water proofing compound as per manufacture's specification followed by two coat of polymer based paint,double chequered complete as directed(cost of water proofing compound & polymer based point to be paid separately).  1 x 16.875 x 0.250 = 4.219  Total = 4.219														32,201.74
	Total =									4.219	M <sup>2</sup>	Rs.190.00	M <sup>2</sup>	801.61	
														Rs.42,041.47	
														C/F-	



No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount	
Description of Item												B/F-	Rs.47,044.47	
7	Item No -9, Page- 15. Brick work with 1st class bricks in cement mortar (6:1)													
(b) Super structure wall , ground floor														
1	x	17.975	x	0.250	x	2.250	=	10.111						
-2	x	0.750	x	0.250	x	1.98	=	-0.743						
-4	x	0.600	x	0.250	x	0.45	=	-0.270						
Total								=	9.098	M <sup>3</sup>	Rs.5,836.00	M <sup>3</sup>	Rs.54,278.79	
8	Item No -16, Page No -15. 125 mm. thick brick work with 1st class bricks in cement mortar (4:1) in ground floor.													51,276.33
1	x	1.925			x	2.375	=	4.57						
1	x	1.775			x	2.375	=	4.22						
2	x	0.900			x	2.375	=	4.28						
Less for Doors & Windows														
-3	x	0.750			x	1.980	=	-4.46						
Total								=	8.608	M <sup>2</sup>	Rs.736.00	M <sup>2</sup>	Rs.6,335.12	
9	Item No -7, Page No-14. Nominal Mix (3 : 1.5 : 1) Cement concrete with graded stone chips(20 mm.size) excluding shuttering and reinforcement, if any, in ground floor.													6335.49
a) Pakur / Chandil Variety														
For Roof Slab-														
1	x	3.925	x	2.175	x	0.125	=	1.067						
1	x	18.000	x	0.250	x	0.125	=	2.563	0.6757		6106.02			
Total								=	1.142	M <sup>3</sup>	Rs.8,205.00	M <sup>3</sup>	Rs.9,950.39	
10	Item No -12, Page -63.Hire and labour charges for shuttering with centreing 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 striking out after completion of works. (upto roof of ground floor)													6273.05
(a) 25 mm. to 30 mm. thick wooden shuttering as per decision & direction of Engineer-in-charge.														
2	x	18.000	x	0.125	x	0.125	=	5.400						
1	x	3.925			x	2.175	=	8.537						
2	x	3.925			x	0.100	=	0.785	0.951					
2	x	2.175			x	0.100	=	0.435	0.543					
Total								=	16.157	M <sup>2</sup>	Rs.335.00	M <sup>2</sup>	Rs.5,077.55	
11	Item No -40.a.i, Page -15. Reinforcement for reinforced concrete work in 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, hooking and bending to correct shape,placing in proper position and binding with 16 gauge black annealed wire at every inter-section, complete as per drawing and direction.													3531.91
(a) For works in foundation, basement and upto roof of ground floor / upto 4m.														
(i) Tor steel/Mild steel														
1.0% of the volume of concrete									0.108		54522.54		5888.13	
Total								=	0.120	MT	Rs.54,522.00	MT	Rs.6,974.69	
12	Item No -3, Page -91. Artificial stone in floor, dado, staircase etc. with cement concrete (4:2:1) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners and including application of cement slurry before flooring works,using cement @1.75 kg./sq.m. all complete including all materials and labour.													
(ii) 35 mm. thick														
2	x	1.775	x	2.050			=	7.278						
1	x	1.750	x	0.250			=	0.438						
Total								=	7.715	M <sup>2</sup>	Rs.537.00	M <sup>2</sup>	Rs.2,599.96	
C/F-													Rs.129,257.98	

(No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount	
Description of Item														
B/F-													Rs.129,257.98	
13	Item No -1,Page -189, Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or rougening of concrete surface, including throating, nosing and drip course where necessary (ground floor)													
(a) 20 mm. thick plaster with c.m.(1:6) [Out side Plaster]														
2	x	3.925			x	3.10	=	24.34						
2	x	2.175			x	3.10	=	13.49						
Less for door & Window.														
-2	x	0.750	x	1.980	x	0.50	=	-1.485						
Total									=	36.34	M <sup>2</sup>	Rs.175.00	M <sup>2</sup>	-Rs.6,358.63
(b) 15 mm. thick plaster with c.m.(1:6) [in side Plaster]													6 359 = 50	
4	x	1.775			x	2.40	=	17.04						
4	x	1.025			x	2.40	=	9.84						
4	x	1.800			x	2.40	=	17.28						
Less for door & Window.														
-2	x	0.750	x	1.980	x	0.50	=	-1.485						
Total									=	42.675	M <sup>2</sup>	Rs.151.00	M <sup>2</sup>	Rs.6,443.93
(c) 10 mm. thick plaster with c.m.(1:4)														
For ceiling														
2	x	1.775			x	1.80	=	6.39						
For chajja														
1	x	2.050			x	0.98	=	2.00						
Total									=	8.39	M <sup>2</sup>	Rs.133.00	M <sup>2</sup>	Rs.1,115.70
14	Page -197,Item No -15. Apply decorative cement base paint of approved quality after preparing the surface including stacking the same throughly...(out side wall)												1 115 = 87	
(c) Two coats .														
									36.345	M <sup>2</sup>	Rs.49.00	M <sup>2</sup>	Rs.1,780.91	
15	Page -196,Item No -11. Synthetic distemper to interior wall,ceiling with a coat of solvent based interior grade acrylic primer (as per manufacture specification) including cleaning and smoothing of surface.													
(c) Two coats (on new works only).														
									9.555	M <sup>2</sup>	Rs.68.00	M <sup>2</sup>	Rs.649.74	
16	Item No -7,Page - ,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) 450mmX350mm													
									1 Nos.	Each	Rs.881.00	Each	Rs.1,103.00	
17	Item No -4,Page - ,Supplying,fitting and fixing orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap. [excluding cost of concrete for fixing]. i) 530mmX410mm												881 = 00	
									2Nos.	Each	Rs.1,613.00	Each	Rs.3,814.00	
18	Item No -9,Page - ,Supplying,fitting and fixing foot rest for water closet of size 275mmX125mm with a) Artificial stone (4:2:1) with 6mm stone chips and chequredincluding adding colour as necessary.												3226 = 00	
									4 Nos.	Each	Rs.53.00	Each	Rs.200.00	
C/F-													Rs.150,803.88	



No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount		
Description of Item												B/F-	Rs.150,803.88		
19	Item No -15 ,Page-192, Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.														
	4	x	1.775			x	1.80	=	12.78						
	4	x	1.025			x	1.80	=	7.38						
	4	x	1.800			x	1.80	=	12.96						
	Total								=	33.12	33.12	M <sup>2</sup>	Rs.34.00	M <sup>2</sup>	Rs.1,126.08
20	Item No -xxi,Page - ,110X110 P Trap 75mm									2 Nos.	Each	Rs.406.00	Each	Rs.812.00	
21	(S&P) Item No -24,Page - ,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 walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including cost and fitting and fixing holder bat clamps (any floor) and refillin the same complete as per direction of the Engineer-in-charge. [payment will be made on centre line measurement of the total pipeline including specials. ii)110mm dia.											281.00		362.00	
	Total								=	10.00	10.00	M	Rs.57.00	M <sup>2</sup>	Rs.570.00
22	Page -76, Item No-10, M.S. Ornamental grills of Approved design , joints continously welded with M.S., W. I. flats & bars for windows, railing etc. fitted and fixed with necessary screws and lugs in G. Floor Grills weighing above 10 kg/sqm and upto 16 kg/ sqm														
	4	x	0.60			x	0.450	=	1.08						
	Total								=	1.08					
	[ @ .16 qtl/sq.m.]								=	0.17	0.172	Qtl	Rs. 9,888.00	m <sup>2</sup>	Rs. 1,700.74
23	Page -205, Item No-1, Supplying best indian sheet glass panes set in putty and fitted and fixed with nailsmad putty complete (In all floors for internal wall & upto 6m height for external wall (i) 3mm thick														
	4	x	0.60			x	0.450	=	1.08						
	Total								=	1.08	1.08	M <sup>2</sup>	Rs.477.00	M <sup>2</sup>	Rs.515.16
	Page -106, Item No-18, Collapsible gate with 40mm x 40mm x 8mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracs 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.														
	2	x	0.75			x	1.980	=	2.97						
	Total								=	2.97	2.970	m <sup>2</sup>	Rs. 4,016.00	m <sup>2</sup>	Rs. 11,927.52
24	Page -117, Item No-8, Supplying, fitting and fixing in position approved PVC door frame(mat finish) made of extruded PVC multi chamber hollow section having dimensions 50mmX50mmX2mm horizontal section will be joined with vertical section by galvanized steel screws after inserting two number steel brackets as reinforcement making suitable space for placing hinges, one sheet tube 40mmX20mmX1.20mm will be inserted on one full vertical side of the frame[hinge side] as reinforcement the frame will then be fixed in the opening with the help of PVC expandable fastener wooden gutters as galvanized steel screws including cost of all materials and labour hire charges of tools and appliances carriage of all materials taxes and all other incidental charges complete..											4330.00		12866.00	
	For D														
	3	x	0.75				3.960	=	14.13						
	Total								=	14.13	14.13	M	Rs.279.00	M	Rs.3,942.27
													C/F-	Rs.171,397.68	



No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount							
Description of Item												B/F-	Rs.171,397.65							
25	Page -125, Item No-15, Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardware as per direction of Engineer-in-Charge. In ground floor.																			
For D																				
3	x	0.75			x	1.980	=	4.46												
Total									=	4.46	4.46	M <sup>2</sup>	Rs.1,943.00	M <sup>2</sup>	Rs.8,666.07					
26	Page -88, Item No-3IIA, Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560mm dia R.C.C. manhole cover (heavy) type of approved make supplied, fitted & 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 15mm thick plaster (4:1) to out side wall upto 200mm below G.L., floor finished with 25mm thick grey artificial stone over 100mm 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.....													8665 * 78						
For 20 users										1.00	M <sup>2</sup>	Rs.49,147.00	M <sup>2</sup>	Rs.49,147.00						
33	(S&P) Page -89, Item No-4 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 (6:1) band all round and cement brick work (6:1) upto 0.90 metre from top with 19 mm thick cement plastering (4:1) to inside face upto the depth of cement brick work, 12 mm thick cement plaster (4:1) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (4:1) 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 designed thickness with cement concrete (4:2:1) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover 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. (a) With 250 mm thick dry brick work and 250 mm thick cement brick work (6:1) and 1.00 m. inside dia																			
Total										1.00	Each	Rs.16,577.00	Each	Rs.16,577.00						
Add 10% GST.									Total-				Rs.229,200.71							
Add 1% Cess									Add for GST[12%]=				Rs.27,604.09							
Total									Total=				Rs.256,704.80							
Add for Labour Welfare Cess[1%]=									Total=				Rs.2,567.05							
Total (say)									Total (say)=				Rs.259,271.84							
Total Rupees - Two Lakh Sixty Thousand Eight Hundred One Only									Total (say)=				Rs.260,801.00							

(Rupees two lakh seventy one thousand four hundred and eighty six) only.

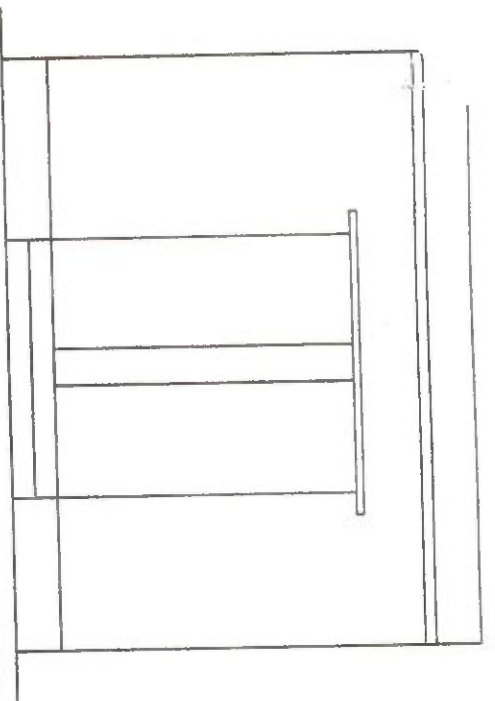
Sub-Assistant Engineer  
Diamond Harbour Municipality

Junior Engineer (Civil)  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.

13-03-20  
Assistant Engineer  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.

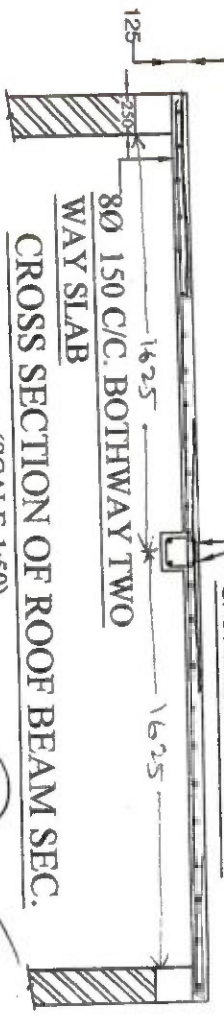
Executive Engineer  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.

# **PUBLIC TOILET MODEL-1**



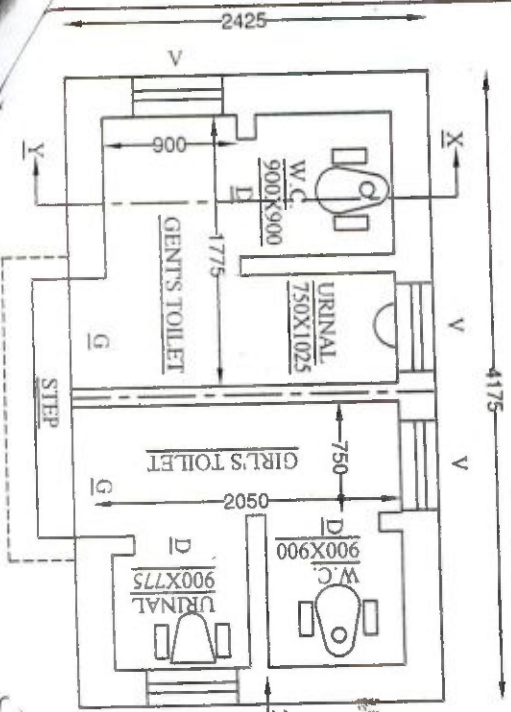
**ELEVATION**

4 NOS. 12MM Ø & RING 80 150  
C/C. BEAM 250X250



**CROSS SECTION OF ROOF BEAM SEC.**

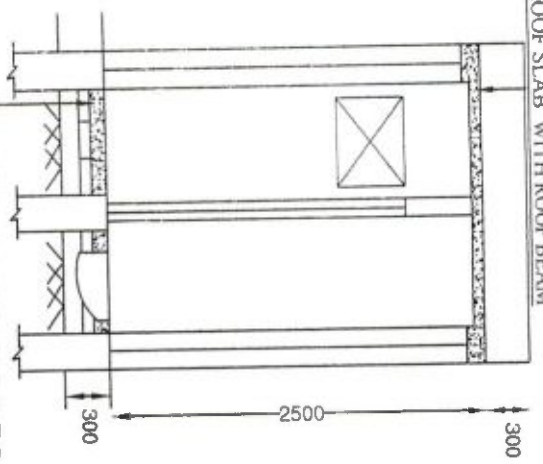
(SCALE-1:50)



**SECTIONAL PLAN**

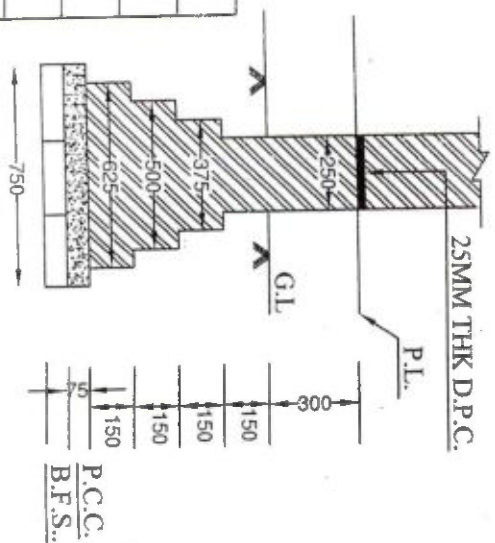
(SCALE-1:50)

DOORS & WINDOWS SCHEDULE		
SL.NO.	MARK	SIZE
1.	D	750X1980
2.	G	750X1980
3.	V	600X450



**SECTIONAL ELEVATION AT X-Y**

(SCALE-1:50)



**DETAILS OF BRICK (PILLAR) FOUNDATION**

(SCALE-1:25)

Sub-Assistant Engineer  
South 24 Parganas Municipality

Executive Officer  
South 24 Parganas Municipality



**Estimate For -**  
**Name of the Work:- New Construction of Public Toilet (Model -2) at**  
**"Diamond Harbour Municipality, Dist-South 24 Parganas."**

"Diamond Harbour Municipality, Dist. 2018"															
Ground Floor															
SI No	No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount	
1	Item No 2, Page -2,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.														
	1	x	24.625	x	0.750	x	0.750	=	13.852	13.852	M <sup>3</sup>	Rs.11,927.00	%M <sup>3</sup>	Rs.1,652.08 1652.13	
	Total								=						13.852
2	Item No 3, Page -1,Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150mm. Including watering & 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.  For Foundation[earth obtained from foundation]-1/5x Total vol.														
	1	x	0.200	x	13.852			=	2.770	2.770	M <sup>3</sup>	Rs.7,754.00	%M <sup>3</sup>	Rs.214.81 214.79	
	Total								=						2.770
3	Item No-1, Page -33, Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand.  For Foundation-														
	1	x	24.625	x	0.750			=	18.469	26.760	M <sup>2</sup>	Rs.361.00	M <sup>2</sup>	Rs.9,660.36	
	For Floor-														
	1	x	3.425	x	1.675			=	5.737						
	1	x	1.525	x	1.675			=	2.554						
	Total								=	26.760					
4	Item No. 1.(a) Page -23 Cement concrete with graded jhama khoa (30 mm. size) excluding shuttering. in ground floor & foundation. (a) 6:3:1 proportion- or & foundation. (a) 6:3:1 proportion-														
	For Floor-														
	1	x	24.625	x	0.750	x	0.075	=	1.385	2.007	M <sup>3</sup>	Rs.4,761.00	M <sup>3</sup>	Rs.9,555.33	
	1	x	3.425	x	1.675	x	0.075	=	0.430						
	1	x	1.525	x	1.675	x	0.075	=	0.192						
	Total								=						2.007
5	Item No -8, Page -15, Brick work with 1st class bricks in cement mortar (6:1) In foundation and plinth  (a) In foundation														
	1	x	21.925	x	0.625	x	0.150	=	2.055	7.726	M <sup>3</sup>	Rs.5,413.00	M <sup>3</sup>	Rs.41,818.47	
	1	x	22.425	x	0.500	x	0.150	=	1.682						
	1	x	22.925	x	0.375	x	0.150	=	1.290						
	1	x	23.405	x	0.250	x	0.150	=	0.878						
	1	x	23.405	x	0.250	x	0.300	=	1.755						
	(a) For Step-														
	1	x	1.750	x	0.250	x	0.150	=	0.086						
	Total								=	7.726					
6	Item No -1, Page -47, 25 mm thick damp proof course with cement concrete with stone chips(1:1.5:3) and admixture of water proofing compound as per manufacture's specification followed by two coat of polymer based paint,double chequered complete as directed(cost of water proofing compound & polymer based point to be paid separately).														
	1	x	24.625	x	0.250			=	6.156	6.156	M <sup>2</sup>	Rs.190.00	M <sup>2</sup>	Rs.1,169.61 1169.61	
	Total								=						6.156
												C/F-	-Rs.64,070.73		



Page 2

No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount
Description of Item									B/F-	Rs.64,070.73			
7	Item No -9, Page- 15. Brick work with 1st class bricks in cement mortar (6:1)												
(b) Super stucture wall , ground floor													
1	x	23.405	x	0.250	x	2.250	=	13.165					
-2	x	0.750	x	0.250	x	1.980	=	-0.743					
-4	x	0.600	x	0.250	x	0.450	=	-0.270					
Total									12.153	M <sup>3</sup>	Rs.5,636.00	M <sup>3</sup>	Rs.68,499.25
8	Item No -16, Page No -15. 125 mm. thick brick work with 1st class bricks in cement mortar (4:1)												
In ground floor.													
1	x	1.750			x	2.375	=	4.156					
1	x	1.925			x	2.375	=	4.572					
4	x	0.900			x	2.375	=	8.550					
1	x	15.500			x	0.300	=	4.650					
Less for Doors & Windows													
-4	x	0.750			x	1.980	=	-5.940					
Total									15.988	M <sup>2</sup>	Rs.736.00	M <sup>2</sup>	Rs.11,767.26
9	Item No -7, Page No-14. Nominal Mix (3 : 1.5 : 1) Cement concrete with graded stone chips(20 mm.size) excluding shuttering and reinforcement, if any, in ground floor.												
a) Pakur / Chandil Variety													
For Roof Slab-													
1	x	5.825	x	2.175	x	0.125	=	1.584					
2	x	2.175	x	0.250	x	0.125	=	0.136					
Total									1.720	M <sup>3</sup>	Rs.6,106.02	M <sup>3</sup>	Rs.10,499.97
10	Item No -12, Page -63. Hire and labour charges for shuttering with centreing 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 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.													
2	x	25.000			x	0.150	=	7.500					
1	x	5.825			x	2.175	=	12.669					
2	x	5.825			x	0.100	=	1.165					
2	x	2.175			x	0.100	=	0.435					
Total									21.769	M <sup>2</sup>	Rs.335.00	M <sup>2</sup>	Rs.7,292.74
11	Item No -40.a.i, Page -15. Reinforcement for reinforced concrete work in 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, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every inter-section, complete as per drawing and direction.												
(a) For works in foundation, basement and upto roof of ground floor / upto 4m.													
(i) Tor steel/Mild steel													
1.0% of the volume of concrete													
Total									0.135	MT	Rs.54,522.54	MT	Rs.7,360.54
12	Item No -3, Page -91. Artificial stone in floor, dado, staircase etc. with cement concrete (4:2:1) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners and including application of cement slurry before flooring works, using cement @1.75 kg./sq.m. all complete including all materials and labour.												
(ii) 35 mm. thick													
1	x	1.775	x	1.675			=	2.973					
1	x	3.425	x	1.675			=	5.737					
1	x	1.750	x	0.250			=	0.438					
2	x	0.750	x	0.250			=	0.375					
Total									9.523	M <sup>2</sup>	Rs.337.00	M <sup>2</sup>	Rs.3,209.08
										C/F-	Rs.172,693.68		

Description of Item										Total Qty.	Unit	Rate	Unit	Amount
													B/F-	Rs.172,693.58
13	<b>Item No -1,Page -189.</b> Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or rougening of concrete surface, including throating, nosing and drip course where necessary (ground floor)													
	(a) 20 mm. thick plaster with c.m.(1:6) [Out side Plaster]													
	2	x	5.825			x	3.10	=	36.115					
	2	x	2.175			x	3.10	=	13.485					
	Less for door & Window.													
	-2	x	0.750	x	1.980	x	0.50	=	-1.485					
	<b>Total</b>										48.115	M <sup>2</sup>	Rs.175.00	Rs.8,420.13
	(b) 15 mm. thick plaster with c.m.(1:6) [in side Plaster]													
	2	x	1.775			x	2.40	=	8.52					
	2	x	3.675			x	2.40	=	17.64					
	8	x	1.025			x	2.40	=	19.68					
	6	x	1.800			x	2.40	=	25.92					
	Less for door & Window.													
	-8	x	0.750	x	1.980	x	0.50	=	-5.940					
	<b>Total</b>										65.82	M <sup>2</sup>	Rs.151.00	Rs.9,938.82
	(c) 10 mm. thick plaster with c.m.(1:4)													
	For ceiling													
	1	x	1.775			x	1.80	=	3.20					
	1	x	3.675			x	1.80	=	6.62					
	For chajja													
	1	x	2.050			x	0.98	=	2.00					
	<b>Total</b>										11.81	M <sup>2</sup>	Rs.133.00	Rs.1,570.66
14	<b>Page -197,Item No -15.</b> Apply decorative cement base paint of approved quality after preparing the surface including stacking the same throughly... (out side wall)													1570.73
	(c) Two coats .										48.115			
	65.82 + 11.81 - 47.25 =										30.38	M <sup>2</sup>	Rs.49.00	Rs.1,488.62
15	<b>Page -196,Item No -11.</b> Synthetic distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacture specification) including cleaning and smoothing of surface.													2357.64
	(c) Two coats (on new works only).										30.38			
	(65.82 + 11.81) - 47.25										30.37	M <sup>2</sup>	Rs.68.00	Rs.4,262.76
16	<b>Item No -7,Page -</b> ,Supplying,fitting and fixing squatting 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) 450mmX350mm													2065.84
											1 Nos.	Each	Rs.881.00	Rs.1,409.00
17	<b>Item No -4,Page -</b> ,Supplying,fitting and fixing orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap. [excluding cost of concrete for fixing]. i) 530mmX410mm													881.00
											3Nos.	Each	Rs.1,613.00	Rs.5,721.00
18	<b>Item No -9,Page -</b> ,Supplying,fitting and fixing foot rest for water closet of size 275mmX125mm with a) Artificial stone (4:2:1) with 6mm stone chips and chequeredincluding adding colour as necessary.													1839.00
											8 Nos.	Each	Rs.58.00	Rs.360.00
C/F-														Rs.292,758.47



x L x B x D/H = Qty										Total Qty.	Unit	Rate	Unit	Amount	
Description of Item													B/F-	Rs.202,755.47	
Item No -15 ,Page-192, Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.										47.25	M	Rs.34.00	M <sup>2</sup>	Rs.855.00 1606.50	
20	Item No -xxi,Page - ,110X110 P Trap 75mm										3 Nos.	Each	Rs.281.00	Each	Rs.1,218.00
21	(S&P)Item No -24,Page - ,Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of joiting materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including cost and fitting and fixing holder bat clamps (any floor) and refillin the same complete as per direction of the Engineer-in-charge. [payment will be made on centre line measurment of the total pipeline including specials. ii)110mm dia.														843.00
Total = 15.00										15.00	M	Rs.57.00	M <sup>2</sup>	Rs.855.00	
22	Page -76, Item No-10, M.S. Ornamental grills of Approved design , joints continously welded with M.S., W. I. flats & bars for windows, railing etc. fitted and fixed with necessary screws and lugs in G. Floor Grills weighing above 10 kg/sqm and upto 16 kg/ sqm														
5 x 0.60 x 0.450 = 1.35										Total = 1.35					
[ @ .16 qtl/sq.m.] = 0.22										0.216	Qtl	Rs. 9,888.00	m <sup>2</sup>	Rs. 2,135.81	
23	Page -205, Item No-1, Supplying best indian sheet glass panes set in putty and fitted and fixed with nailsmand putty complete (in all floors for internal wall & upto 6m height for external wall (i) 3mm thick														
5 x 0.60 x 0.450 = 1.35										Total = 1.35					
										1.35	M <sup>2</sup>	Rs.477.00	M <sup>2</sup>	Rs.643.95	
24	Page -106, Item No-18, Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracijs 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.														
2 x 0.75 x 1.980 = 2.97										Total = 2.97					
										2.970	m <sup>2</sup>	Rs. 4,330.00	m <sup>2</sup>	Rs. 12,860.10	
25	Page -117, Item No-8, Supplying, fitting and fixing in position approved PVC door frame[mat finish] made of extruded PVC multi chamber hollow section having dimensions 50mmX50mmX2mm horizontal section will be joined with vertical section by galvanized steel screws after inserting two number steel brackets as reinforcement making suitable space for placing hinges, one sheet tube 40mmX20mmX1.20mm will be inserted on one full vertical side of the frame[hinge side] as reinforcement the frame will then be fixed in the opening with the help of PVC expandable fastener wooden gutters as galvanized steel screws including cost of all materials and labour hire charges of tools and appliances carriage of all materials taxes and all other incidental charges complete..														
For D															
4 x 0.75 x 3.960 = 18.84										Total = 18.84					
										18.84	M	Rs.279.00	M	Rs.5,256.36	
													C/F-	Rs.226,582.69	



to x L x B x D/H = Qty										Total Qty.	Unit	Rate	Unit	Amount					
Description of Item													B/F-	Rs.226,582.69					
26	Page -125, Item No-15. Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardware as per direction of Engineer-in-Charge. In ground floor																		
For D																			
4	x	0.75				x		1.980	=	5.94									
Total										=	5.94	5.94	M <sup>2</sup>	Rs.1,943.00	M <sup>2</sup>	Rs.11,541.42			
27	(S&P) Page -88, Item No-31ia. Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560mm dia R.C.C. manhole cover (heavy) type of approved make supplied, fitted & 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 15mm thick plaster (4:1) to out side wall upto 200mm below G.L.. floor finished with 25mm thick grey artificial stone over 100mm 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.....																		
For 30 users										1.00	M <sup>2</sup>	Rs.62,210.00	M <sup>2</sup>	Rs.62,210.00					
28	(S&P) Page 12, Item No-19i 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																		
(i) 15 mm dia										15.00	Mtr	Rs.101.00	Mtr.	Rs.1,515.00					
(iii) 25 mm dia										10.00	Mtr	Rs.177.00	Mtr.	Rs.1,770.00					
29	(S&P) Page -37, Item No-8 Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (a) 1000 litre capacity										2.00	Each	Rs.5,128.00	Each	Rs.10,256.00				
30	(S&P) Page -41, Item No-1 Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets. (i) 450 mm X 300 mm size										2.00	Each	Rs.1,155.00	Each	Rs.2,310.00				
31	(S&P) Page -80, Item No-6ii 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										1.00	Each	Rs.945.00	Each	Rs.945.00				
										C/F-		Rs.317,130.11							

No x L x B x D/H = Qty										Total Qty.	Unit	Rate	Unit	Amount	
Description of Item													B/F-	Rs.317,130.11	
32	(S&P) Page -6, Item No-5 Supplying, fitting and fixing bib cock or stop cock. ii) Chromium plated Bib Cock long body with wall flange with aerator (Equivalent to Code No. 512 & Model - Tropical / Sumthing Special										8.00	Each	Rs.539.00	Each	Rs.4,312.00
33	(S&P) Page -7, Item No-8aSupplying, fitting and fixing push cock of heavy quality and of approved make and brand. (a) Cast iron (i) 15 mm										2.00	Each	Rs.201.00	Each	Rs.402.00
34	(S&P) Page -89, Item No-4 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 (6:1) band all round and cement brick work (6:1) upto 0.90 metre from top with 19 mm thick cement plastering (4:1) to inside face upto the depth of cement brick work, 12 mm thick cement plaster (4:1) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (4:1) 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 designed thickness with cement concrete (4:2:1) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover 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. (a) With 250 mm thick dry brick work and 250 mm thick cement brick work (6:1) and 1.00 m.inside dia										1.00	Each	Rs.16,577.00	Each	Rs.16,577.00
35	(S&P) Page -87, Item No-1 Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar(6:1) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (6:3:1) with jhama khoa over a layer of jhama brick flat soling, 12 mm thick (4:1) cement plaster to inside walls and out-side walls upto G.L. and 20 mm.thick (4:1) plaster to bottom of the pit, providing necessary invert with cement concrete (4:2:1) with jhama chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100 mm thick R.C.C. slab (4:2:1) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (4:1) 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 . i) With pakur variety										1	each	7518.00 7303.00	Each	7518.00 Rs.7,903.00
Total-														Rs.345,724.11	
Add for GST[12%]=														Rs.41,486.89	
Total=														Rs.387,211.00	
Add for Labour Welfare Cess[1%]=														Rs.3,872.11	
Total=														Rs.391,083.11	
Total (say)=														Rs.391,083.00	

**[Total-Rupees - Three Lakh Ninty One Thousand Eighty Three Only]**

thousand nine hundred and two) only.

*Soumitra*  
Sub-Assistant Engineer  
Diamond Harbour Municipality

*13/03/2020*  
Junior Engineer (Civil)  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.

PUBLIC\_TOILET-2\_NEW - with plumb

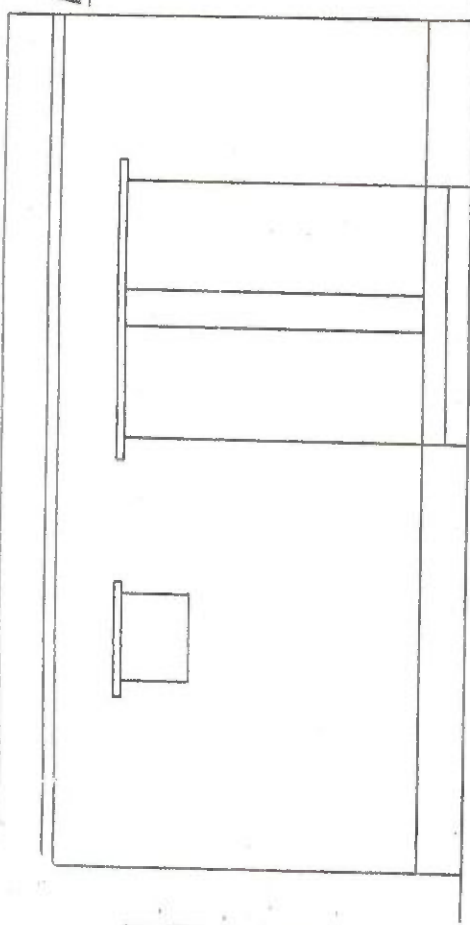
*P. Das*  
Executive Officer  
Diamond Harbour Municipality  
South 24 Parganas

*13/03/2020*  
Executive Engineer  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.



125 THK R.C.C. ROOF SLAB WITH ROOF BEAM

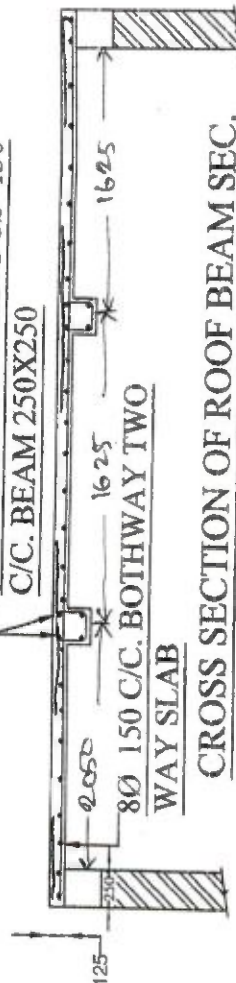
# PUBLIC TOILET MODEL-2



ELEVATION

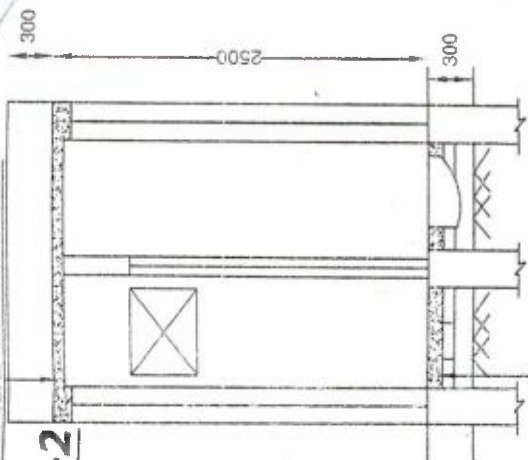
4 NOS. 12MM Ø & RING 8Ø 150

C/C. BEAM 250X250



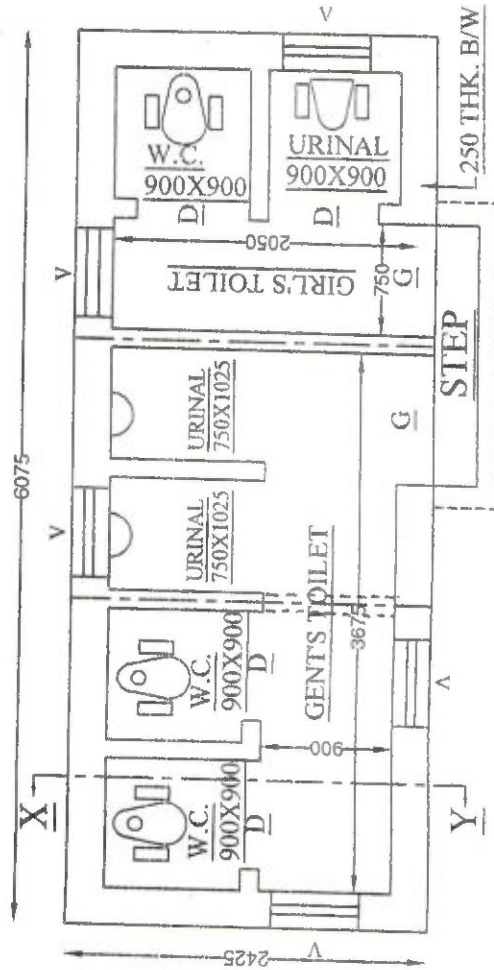
CROSS SECTION OF ROOF BEAM SEC. (SCALE-1:50)

## SECTIONAL ELEVATION AT X-Y (SCALE-1:50)



75THK P.C.C & SINGLE B.F.S

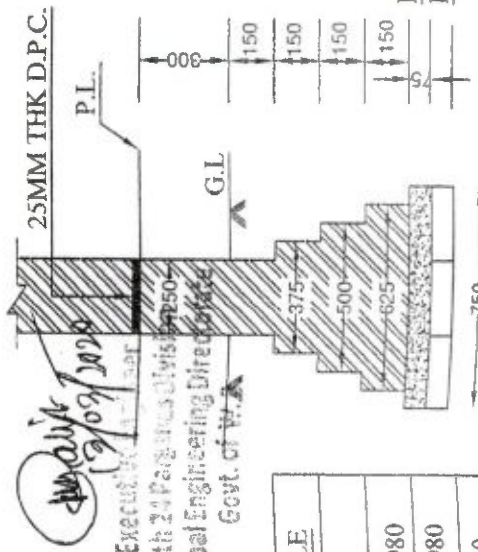
AT X-Y (SCALE-1:50)



SECTIONAL PLAN (SCALE-1:50)

DOORS & WINDOWS SCHEDULE		
SL.NO.	MARK	SIZE
1.	D	750X1980
2.	G	750X1980
3.	V	600X450

13.03.20  
 Assistant Engineer  
 South 24 Parganas Divisional  
 Municipal Engineering Directorate  
 Govt. of W.B.



DETAILS OF BRICK (PILLAR) FOUNDATION (SCALE-1:25)

P.C.C.  
B.F.S.

13.03.20  
 Assistant Engineer  
 South 24 Parganas Divisional  
 Municipal Engineering Directorate  
 Govt. of W.B.



Estimate for  
Construction  
Municipality of

Estimate for  
Construction  
Municipality of

Description of Item										Quantity	Unit	Rate	Unit	Amount	
													B/F-	Rs.28,592.71	
(a) For Step-															
1	x	1.750	x	0.250	x	0.150	=	0.066							
Total									=	9.506	M <sup>3</sup>	Rs.5,413.00	M <sup>3</sup>	Rs.51,457.33	
Item No -1, Page -47, 25 mm thick damp proof course with cement concrete with stone chips(1:1.5:3) and admixture of water proofing compound as per manufacture's specification followed by two coat of polymer based paint,double chequered complete as directed(cost of water proofing compound & polymer based point to be paid separately).														51,455.98	
1	x	28.875	x	0.250			=	7.219							
Total									=	7.219	M <sup>2</sup>	Rs.190.00	M <sup>2</sup>	Rs.1,371.56	
8	Item No -9, Page- 15, Brick work with 1st class bricks in cement mortar (6:1)														1371.61
(b) Super structure wall , ground floor															
1	x	28.875	x	0.250	x	2.250	=	16.242							
-2	x	0.750	x	0.250	x	1.980	=	-0.743							
-5	x	0.600	x	0.250	x	0.450	=	-0.338							
Total									=	15.162	M <sup>3</sup>	Rs.5,636.00	M <sup>3</sup>	Rs.85,454.09	
9	Item No -16, Page No -15, 125 mm. thick brick work with 1st class bricks in cement mortar (4:1) In ground floor.														85453.03
6	x	0.900			x	2.375	=	12.825							
1	x	2.950			x	2.375	=	7.006							
2	x	1.925			x	2.375	=	9.144							
1	x	19.300			x	0.300	=	5.790							
Less for Doors & Windows															
-5	x	0.750			x	1.980	=	-7.425							
Total									=	27.340	M <sup>3</sup>	Rs.736.00	M <sup>3</sup>	Rs.20,122.24	
10	Item No -7, Page No-14, Nominal Mix (3 : 1.5 : 1) Cement concrete with graded stone chips(20 mm.size) excluding shuttering and reinforcement, if any, in ground floor.														
a) Pakur / Chandil Variety															
For Roof Slab-															
1	x	7.725	x	2.175	x	0.125	=	2.100							
3	x	2.175	x	0.250	x	0.125	=	0.204							
Total									=	2.304	M <sup>3</sup>	Rs.6,106.00	M <sup>3</sup>	Rs.14,069.08	
11	Item No -12, Page -63,Hire and labour charges for shuttering with centreline 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 striking out after completion of works. (upto roof of ground floor)												6106.62		14068.27
(a) 25 mm. to 30 mm. thick wooden shuttering as per decision & direction of Engineer-in-charge.															
2	x	30.000			x	0.150	=	9.000							
1	x	7.725			x	2.175	=	16.802							
2	x	7.725			x	0.100	=	1.545							
2	x	2.175			x	0.100	=	0.435							
Total									=	27.782	M <sup>2</sup>	Rs.335.00	M <sup>2</sup>	Rs.9,306.97	
12	Item No -40a1, Page -15, Reinforcement for reinforced concrete work in 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, hooking and bending to correct shape,placing in proper position and binding with 16 gauge black annealed wire at every inter-section, complete as per drawing and direction.														
(a) For works in foundation, basement and upto roof of ground floor / upto 4m.															
(i) Tor steel/Mild steel															
1.0% of the volume of concrete															
Total									=	0.180	MT	Rs.54,522.54	MT	Rs.9,814.06	



										C/F-	Rs.220,188.00				
Sl No	No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount	
Description of Item										B/F-		Rs.220,188.00			
13	Item No -3, Page -91, Artificial stone in floor, dado, staircase etc. with cement concrete (4:2:1) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners and including application of cement slurry before flooring works, using cement @1.75 kg./sq.m. all complete including all materials and labour.														
(ii) 35 mm. thick															
	1	x	1.775	x	1.675			=	2.973						
	1	x	5.325	x	1.675			=	8.919						
	1	x	1.750	x	0.250			=	0.438						
	2	x	0.750	x	0.250			=	0.375						
Total									=	12.705	12.705	M <sup>2</sup>	Rs.337.00	M <sup>2</sup>	Rs.4,281.59
14	Item No -1, Page -189, Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or rouging of concrete surface, including throating, nosing and drip course where necessary (ground floor)														
(a) 20 mm. thick plaster with c.m.(1:6) [Out side Plaster]															
	2	x	7.725			x	3.10	=	47.895						
	2	x	2.175			x	3.10	=	13.485						
Less for door & Window.															
	-2	x	0.750	x	1.980	x	0.50	=	-1.485						
Total									=	59.895	59.90	M <sup>2</sup>	Rs.175.00	M <sup>2</sup>	Rs.10,481.69
(b) 15 mm. thick plaster with c.m.(1:6) [in side Plaster]														10482.50	
	2	x	1.775			x	2.40	=	8.520						
	2	x	5.575			x	2.40	=	26.760						
	12	x	1.025			x	2.40	=	29.520						
	6	x	1.800			x	2.40	=	25.920						
Less for door & Window.															
	-7	x	0.750	x	1.980	x	0.50	=	-5.198						
Total									=	85.623	85.52	M <sup>2</sup>	Rs.151.00	M <sup>2</sup>	Rs.12,913.90
(c) 10 mm. thick plaster with c.m.(1:4)														12913.52	
For ceiling															
	1	x	1.775			x	1.80	=	3.20						
	1	x	5.575			x	1.80	=	10.04						
For chajja															
	1	x	2.050			x	0.98	=	2.00						
Total									=	15.23	15.23	M <sup>2</sup>	Rs.133.00	M <sup>2</sup>	Rs.2,025.42
15	Item No -15, Page-192, Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per 100 sq.m.														2025.59
										49.905	M	Rs.34.00	M <sup>2</sup>	Rs.855.00	
16	Page -197, Item No -15, Apply decorative cement base paint of approved quality after preparing the surface including stacking the same thoroughly...(out side wall)														1696.77
(c) Two coats .										59.87	M <sup>2</sup>	Rs.49.00	M <sup>2</sup>	Rs.2,933.63	
17	Page -196, Item No -11, Synthetic distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacture specification) including cleaning and smoothing of surface.														
(c) Two coats (on new works only).															
85.522 + 15.23 + 49.905										50.847	M <sup>2</sup>	Rs.68.00	M <sup>2</sup>	Rs.3,457.60	
18	Item No -7, Page - , Supplying, fitting and fixing squatting 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 separately].														881
i) 450mmX350mm										1 Nos.	Each	Rs.881.00	Each	Rs.1,103.00	
										C/F-		Rs.258,239.75			



No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount
Description of Item									B/F- Rs.258,239.75				
19	Item No -4,Page - ,Supplying,fitting and fixing orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap. [excluding cost of concrete for fixing]. i) 530mmX410mm								4Nos.	Each	Rs.1,613.00	Each	Rs.7,620.00
20	Item No -9,Page - ,Supplying,fitting and fixing foot rest for water closet of size 275mmX125mm with a) Artificial stone (4:2:1) with 6mm stone chips and chequeredincluding adding colour as necessary.								820 Nos.	Each	Rs.58.00	Each	Rs.700.00
21	Item No -xxi,Page - ,110X110 P Trap 75mm								4 Nos.	Each	Rs.281.00	Each	Rs.1,824.00
22	Item No -24,Page - ,Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of joiting materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including cost and fitting and fixing holder bat clamps (any floor) and refillin the same complete as per direction of the Engineer-in-charge. [payment will be made on centre line measurment of the total pipeline including specials. ii) 110mm dia.								15.00	M	Rs.57.00	M <sup>2</sup>	Rs.1,140.00
Total = 20.00									15.00	M	Rs.57.00	M <sup>2</sup>	Rs.1,140.00
23	Page -76, Item No-10, M.S. Ornamental grills of Approved design , joints continously welded with M.S., W. I. flats & bars for windows, railing etc. fitted and fixed with necessary screws and lugs in G. Floor Grills weighing above 10 kg/sqm and upto 16 kg/ sqm								0.259	Qtl	Rs. 9,888.00	m <sup>2</sup>	Rs. 2,560.99
6 x 0.60 x 0.450 = 1.62													
Total = 1.62													
[ @ .16 qtl/sq.m.] = 0.26									0.259	Qtl	Rs. 9,888.00	m <sup>2</sup>	Rs. 2,560.99
24	Page -205, Item No-1, Supplying best indian sheet glass panes set in putty and fitted and fixed with nailsmand putty complete (In all floors for internal wall & upto 6m height for external wall 3mm thick								1.35	M <sup>2</sup>	Rs.477.00	M <sup>2</sup>	Rs.643.95
5 x 0.60 x 0.450 = 1.35													
Total = 1.35									1.35	M <sup>2</sup>	Rs.477.00	M <sup>2</sup>	Rs.643.95
Page -106, Item No-18, Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bradigs 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.									2.970	m <sup>2</sup>	Rs. 4,330.00	m <sup>2</sup>	Rs. 12,860.10
2 x 0.75 x 1.980 = 2.97													
Total = 2.97									2.970	m <sup>2</sup>	Rs. 4,330.00	m <sup>2</sup>	Rs. 12,860.10
25	Page -117, Item No-8, Supplying, fitting and fixing in position approved PVC door frame[mat finish] made of extruded PVC multi chamber hollow section having dimensions 50mmX50mmX2mm horizontal section will be joined with vertical section by galvanized steel screws after inserting two number steel brackets as reinforcement making suitable space for placing hinges. one sheet tube 40mmX20mmX1.20mm will be inserted on one full vertical side of the frame[hinge side] as reinforcement the frame will then be fixed in the opening with the help of PVC expandable fastener wooden gutters as galvanized steel screws including cost of all materials and labour hire charges of tools and appliances carraiage of all materials taxes and all other incidental charges complete..								23.55	M	Rs.279.00	M	Rs.6,570.45
For D													
5 x 0.75 x 3.960 = 23.55													
Total = 23.55									23.55	M	Rs.279.00	M	Rs.6,570.45
C/F- Rs.241,967.24													

x L x B x D/H = Qty										Total Qty.	Unit	Rate	Unit	Amount				
Description of Item													B/F-	Rs. 231,987.24				
Page -125, Item No-15. Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th.,20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor																		
For D																		
5	x	0.75				x	1.980	=	7.43									
Total										=	7.43	7.43	M <sup>2</sup>	Rs.1,943.00	M <sup>2</sup>	Rs.14,426.78		
26	(S&P) Page -88, Item No-3ii Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560mm dia R.C.C. manhole cover (heavy) type) of approved make supplied, fitted & 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 15mm thick plaster (4:1) to out side wall upto 200mm below G.L.. floor finished with 25mm thick grey artificial stone over 100mm 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														14436.00			
(v) For 100 users										1.00	M <sup>2</sup>	Rs.113,132.00	M <sup>2</sup>	Rs.113,132.00				
27	(S&P) Page 12, Item No-1 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 accesories, specials. Payment for painting will be made seperately)												118469.00		118469.00			
(a) For Exposed Work PVC Pipes																		
(i) 15 mm dia										15.00	Mtr	Rs.101.00	Mtr.	Rs.1,515.00				
(iii) 25 mm dia										10.00	Mtr	Rs.177.00	Mtr.	Rs.1,770.00				
28	(S&P) Page -37, Item No-6 Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer																	
(d) 2000 litre capacity										1.00	Each	Rs.10,434.00	Each	Rs.10,434.00				
29	(S&P) Page -41, Item No-1 Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets.																	
(i) 450 mm X 300 mm size										2.00	Each	Rs.1,155.00	Each	Rs.2,310.00				
30	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										1.00	Each	Rs.945.00	Each	Rs.945.00				
C/F-														Rs.438,590.02				



Sl No	No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount
Description of Item													B/F-	Rs.436,500.02
31	(S&P) Page -80, Item No-6ii) Supplying, fitting and fixing bib cock or stop cock. 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)									10.00	Each	5390 Rs.539.00	Each	5390.00 Rs.5390.00
32	(S&P) Page -7, Item No-8a Supplying, fitting and fixing push cock of heavy quality and of approved make and brand. (a) Cast iron (i) 15 mm									2.00	Each	Rs.201.00	Each	Rs.402.00
33	(S&P) Page -89, Item No-4 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 (6:1) band all round and cement brick work (6:1) upto 0.90 metre from top with 19 mm thick cement plastering (4:1) to inside face upto the depth of cement brick work, 12 mm thick cement plaster (4:1) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (4:1) 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 designed thickness with cement concrete (4:2:1) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover 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. (a) With 250 mm thick dry brick work and 250 mm thick cement brick work (6:1) and 1.00 m.inside dia									1.00	Each	Rs.16,577.00	Each	Rs.16,577.00
33	(S&P) Page -87, Item No-1 Constructing Inspection pit of inside measurement 600mm X 600mm X upto 800mm (depth) with 250 mm thick 1st. class brick work in cement mortar(6:1) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (6:3:1) with jhama khoa over a layer of jhama brick flat soling, 12 mm thick (4:1) cement plaster to inside walls and out-side walls upto G.L. and 20 mm. thick (4:1) plaster to bottom of the pit, providing necessary invert with cement concrete (4:2:1) with jhama chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100 mm thick R.C.C. slab (4:2:1) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (4:1) 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 . i) With pakur variety									1	each	7518 7395.00	Each	7518.00 Rs.7395.00
Total=														Rs.467,372.02
Add for GST[12%]=														Rs.56,084.64
Total=														Rs.523,456.66
Add for Labour Welfare Cess[1%]=														Rs.5,234.57
Total=														Rs.528,691.23
Total (say)=														Rs.528,691.00

Thirty one      eight      forty  
**[Total-Rupees - Five Lakh Twenty Eight Thousand Six Hundred Ninety One Only]**

Junior Engineer (Civil)  
 South 24 Parganas Division  
 Municipal Engineering Directorate  
 Govt. of W.B.

Sub-Assistant Engineer  
 Diamond Harbour Municipality

Assistant Engineer:  
 South 24 Parganas Division  
 Municipal Engineering Directorate  
 Govt. of W.B.  
 PUBLIC TOWNSHIP - with plumb

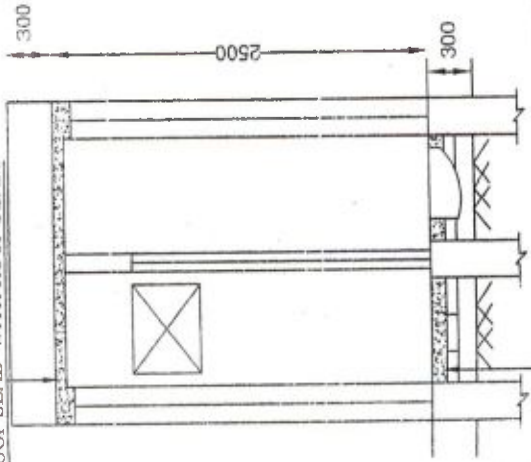
Executive Officer  
 Diamond Harbour Municipality  
 South 24 Parganas

Executive Engineer  
 South 24 Parganas Division  
 Municipal Engineering Directorate  
 Govt. of W.B.



# **PUBLIC TOILET MODEL-3**

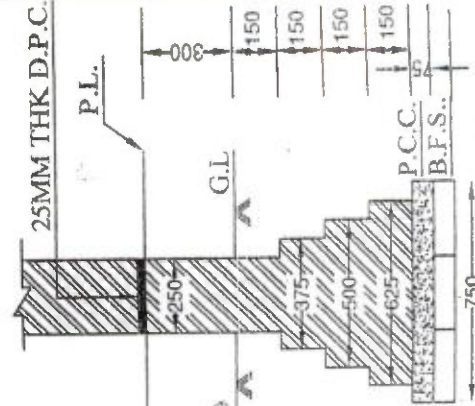
125 THK R.C.C. ROOF SLAB WITH ROOF BEAM



75THK P.C.C & SINGLE B.F.S

## **SECTIONAL ELEVATION**

AT X-Y (SCALE-1:50)



## **DETAILS OF BRICK (PILLAR) FOUNDATION**

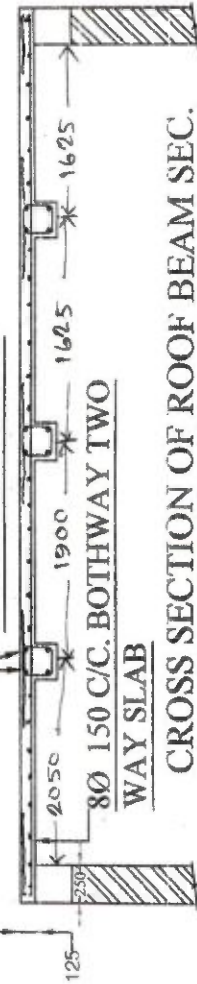
(SCALE-1:25)

DOORS & WINDOWS SCHEDULE		
SL.NO.	MARK	SIZE
1.	D	750X1980
2.	G	750X1980
3.	V	600X450

## **ELEVATION**

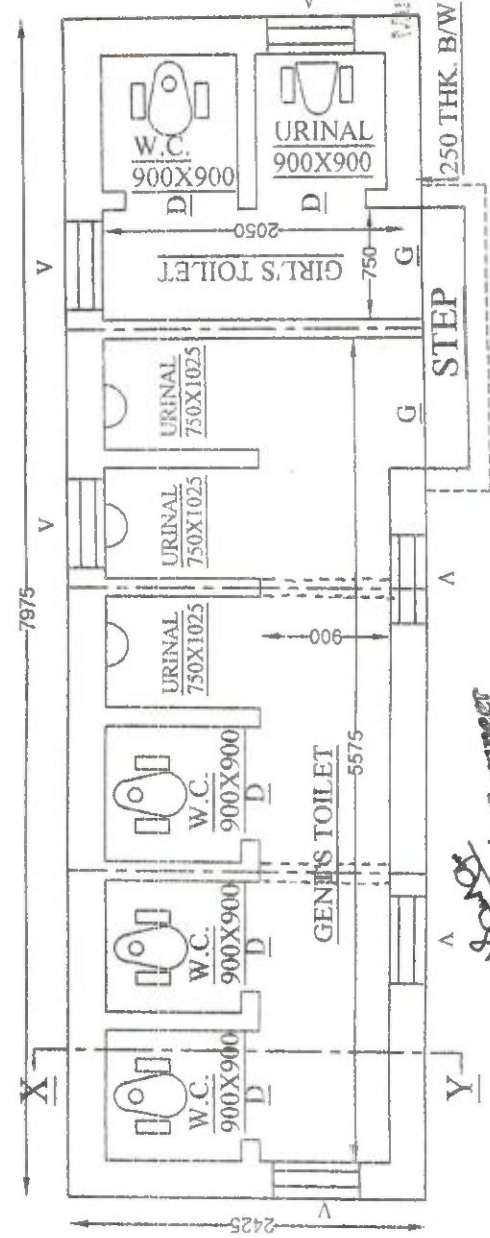
4 NOS. 12MM Ø & RING 8Ø 150

C/C BEAM 250X250



## **CROSS SECTION OF ROOF BEAM SEC.**

(SCALE-1:50)



## **SECTIONAL PLAN (SCALE-1:50)**

Sub-Assistant Engineer

Diamond Harbour Municipality

South 24 Parganas

Assistant Engineer  
South 24 Parganas Municipality  
Govt. of W.B.  
13.03.20  
19/03/2020  
Executive Engineer  
South 24 Parganas Municipality  
Govt. of W.B.  
Executive Officer  
Diamond Harbour Municipality  
South 24 Parganas

**Estimate For -**  
**Name of the Work:- New Construction of Public Toilet (Model -4) at**  
**"Diamond Harbour Municipality, Dist-South 24 Parganas."**

Ground Floor														
SI No	No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount
Description of Item														
1	Item No 2, Page -2. 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.													
	1	x	43.725	x	0.750	x	0.750	=	24.595					
	Total =									24.595	M³	Rs.11,927.00	%M³	Rs.2,933.48
2	Item No 3, Page -1. Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150mm. Including watering & 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. For Foundation[earth obtained from foundation]-1/5x Total vol.													2933.45
	1	x	0.200	x	24.595			=	4.919					
	Total =									4.919	M³	Rs.7,754.00	%M³	Rs.381.42
3	Item No 4(A), Page -2. Filling in foundation or plinth by silver sand in layers not exceeding 150mm. As directed and 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 Foundation-													
	1	x	24.595	x	0.750	x	0.100	=	1.845					
	For Floor-													
	1	x	8.500	x	2.050	x	0.150	=	2.614					
	1	x	1.775	x	2.050	x	0.150	=	0.546					
	Total =									5.004	M³	Rs.93,621.00	%M³	Rs.4,684.97
4	Item No-1, Page -33. Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand. For Foundation-													
	1	x	43.725	x	0.750			=	32.794					
	For Floor-													
	1	x	8.250	x	1.675			=	13.819					
	1	x	1.520	x	1.675			=	2.546					
	Total =									49.159	M²	Rs.361.00	M²	Rs.17,746.22
5	Item No. 1.(a) Page -23. (i) Cement concrete with graded jhama khoa (30 mm. size) excluding shuttering. In ground floor & foundation. (a) 6:3:1 proportion- For Floor-													17746.40
	1	x	43.725	x	0.750	x	0.075	=	2.460					
	1	x	8.250	x	1.675	x	0.075	=	1.036					
	1	x	1.520	x	1.675	x	0.075	=	0.191					
	Total =									3.687	M³	Rs.4,761.00	M³	Rs.17,553.27
6	Item No -8, Page -15. Brick work with 1st class bricks in cement mortar (6:1) In foundation and plinth (a) In foundation													17553.81
	1	x	37.075	x	0.625	x	0.150	=	3.476					
	1	x	37.825	x	0.500	x	0.150	=	2.837					
	1	x	38.575	x	0.375	x	0.150	=	2.170					
	1	x	39.325	x	0.250	x	0.150	=	1.475					
	1	x	39.325	x	0.250	x	0.300	=	2.949					
C/F-														Rs.43,299.37







No	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount	
Description of Item									B/F- Rs.512,636.30					
13	Item No -3, Page -91. Artificial stone in floor, dado, staircase etc. with cement concrete (4:2:1) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners and including application of cement slurry before flooring works, using cement @1.75 kg./sq.m. all complete including all materials and labour.													
(ii) 35 mm. thick														
1	x	1.775	x	1.675			=	2.973						
1	x	8.500	x	1.675			=	14.238						
1	x	1.750	x	0.250			=	0.438						
2	x	0.750	x	0.250			=	0.375			337.60		6073.75	
Total									18.023	18.023	M <sup>2</sup>	Rs.329.99	M <sup>2</sup>	Rs.5,940.24
14	Item No -1, Page -189. Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or rouging of concrete surface, including throating, nosing and drip course where necessary (ground floor)													
(a) 20 mm. thick plaster with c.m.(1:6) [Out side Plaster]														
2	x	10.850			x	3.10	=	66.030						
2	x	2.175			x	3.10	=	13.485						
Less for door & Window.														
-2	x	0.750	x	1.980	x	0.50	=	-1.485						
Total									78.030	78.030	M <sup>2</sup>	Rs.175.00	M <sup>2</sup>	Rs.13,655.25
(b) 15 mm. thick plaster with c.m.(1:6) [In side Plaster]														
2	x	1.775			x	2.40	=	8.520						
2	x	8.500			x	2.40	=	40.800						
18	x	1.025			x	2.40	=	44.280						
4	x	1.800			x	2.40	=	17.280						
Less for door & Window.														
-8	x	0.750	x	1.980	x	0.50	=	-5.940						
Total									104.94	104.94	M <sup>2</sup>	Rs.151.00	M <sup>2</sup>	Rs.15,845.94
(c) 10 mm. thick plaster with c.m.(1:4)														
For ceiling														
1	x	1.775			x	1.80	=	3.20						
1	x	8.500			x	1.80	=	15.30						
For chajja														
1	x	2.050			x	0.98	=	2.00					2725.17	
Total									20.49	20.49	M <sup>2</sup>	Rs.133.00	M <sup>2</sup>	Rs.2,725.67
15	Item No -16, Page-192, Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per 100 sq.m.								87.30	M	Rs.34.00	M <sup>2</sup>	Rs.2,968.20	
16	Page -197, Item No -15. Apply decorative cement base paint of approved quality after preparing the surface including stacking the same thoroughly...(out side wall)													
(c) Two coats .									78.035	M <sup>2</sup>	Rs.49.00	M <sup>2</sup>	Rs.3,823.72	
17	Page -196, Item No -11. Synthetic distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacture specification) including cleaning and smoothing of surface.													
(c) Two coats (on new works only).														
104.94 + 20.49 - 87.3									38.13	M <sup>2</sup>	Rs.68.00	M <sup>2</sup>	Rs.2,592.84	
18	Item No -7, Page - ,Supplying, fitting and fixing squatting 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 separately].													
i) 450mmX350mm									1 Nos.	Each	Rs.881.00	Each	Rs.1,103.00	
C/F-													Rs.361,191.16	

To	x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount
Description of Item												B/F-	Rs.364,191.15
19	Item No -4,Page - ,Supplying,fitting and fixing orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap. [excluding cost of concrete for fixing]. i) 530mmX410mm												8665.00
								5Nos.	Each		Rs.1,613.00	Each	Rs.8,065.00
20	Item No -9,Page - ,Supplying,fitting and fixing foot rest for water closet of size 275mmX125mm with a) Artificial stone (4:2:1) with 6mm stone chips and chequeredincluding adding colour as necessary.												580.00
								1042Nos.	Each		Rs.58.00	Each	Rs.6040.00
								5 Nos.	Each		Rs.281.00	Each	Rs.2,030.00
21	Item No -xxi,Page - ,110X110 P Trap 75mm												1405.00
22	Item No -24,Page - ,Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of joiting materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including cost and fitting and fixing holder bat clamps (any floor) and refillin the same complete as per direction of the Engineer-in-charge. [payment will be made on centre line measurment of the total pipeline including specials. ii)110mm dia.												855.00
								30.00	15.00	M	Rs.57.00	M <sup>2</sup>	Rs.1,710.00
23	Page -76, Item No-10, M.S. Ornamental grills of Approved design , joints continuously welded with M.S., W. I. flats & bars for windows, railing etc. fitted and fixed with necessary screws and lugs in G. Floor Grills weighing above 10 kg/sqm and upto 16 kg/ sqm												
	7	x	0.60			x	0.450	=	1.89				
								Total	=	1.89			
								[ @ .16 qtl/sq.m.]	=	0.30	0.302	Qtl	Rs. 9,888.00
												m <sup>2</sup>	Rs. 2,986.18
24	Page -205, Item No-1, Supplying best indian sheet glass panes set in putty and fitted and fixed with nailsmand putty complete (in all floors for internal wall & upto 6m height for external wall 3mm thick												
	7	x	0.60			x	0.450	=	1.89				
								Total	=	1.89	1.89	M <sup>2</sup>	Rs.477.00
												M <sup>2</sup>	Rs.901.53
	Page -106, Item No-18, Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracigs 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.												
	2	x	0.75			x	1.980	=	2.97				
								Total	=	2.97	2.970	m <sup>2</sup>	Rs. 4,330.00
												m <sup>2</sup>	Rs. 12,860.10
25	Page -117, Item No-8, Supplying, fitting and fixing in position approved PVC door frame[mat finish] made of extruded PVC multi chamber hollow section having dimensions 50mmX50mmX2mm horizontal section will be joined with vertical section by galvanized steel screws after inserting two number steel brackets as reinforcement making suitable space for placing hinges, one sheet tube 40mmX20mmX1.20mm will be inserted on one full vertical side of the frame[hinge side] as reinforcement the frame will then be fixed in the opening with the help of PVC expandable fastener wooden gutters as galvanized steel screws including cost of all materials and labour hire charges of tools and appliances carriage of all materials taxes and all other incidental charges complete..												
	For D												
	6	x	0.75				3.960	=	28.26				
								Total	=	28.26	28.26	M	Rs.279.00
												M	Rs.7,884.54
C/F-													Rs.399,938.50



o x L x B x D/H = Qty										Total Qty.	Unit	Rate	Unit	Amount					
Description of Item										B/F-		Rs.999,938.50							
26	Page -125, Item No-15. Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th.,20 mm wide cross PVC sheet as gap Insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor																		
For D																			
6	x	0.75					x	1.980	=	8.91									
Total										=	8.91	8.91	M <sup>2</sup>	Rs.1,943.00	M <sup>2</sup>	Rs.17,312.13			
26	Page -88, Item No-3. Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560mm dia R.C.C. manhole cover (heavy) type of approved make supplied , fitted & 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 15mm thick plaster (4:1) to out side wall upto 200mm below G.L.. floor finished with 25mm thick grey artificial stone over 100mm 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.....															187761.60	187761.60		
For 200 users											1.00	Each	Rs.177,928.00	M <sup>2</sup>	Rs.177,928.00				
27	(S&P) Page 12, Item No-19i 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 accesories, specials. Payment for painting will be made seperately)																		
(a) For Exposed Work PVC Pipes																			
(i) 15 mm dia										35.00	Mtr	Rs.101.00	Mtr.	Rs.3,535.00					
(iii) 25 mm dia										20.00	Mtr	Rs.177.00	Mtr.	Rs.3,540.00					
28	(S&P) Page -37, Item No-6 Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer																		
(d) 2000 litre capacity										4.00	Each	Rs.10,434.00	Each	Rs.41,736.00					
29	(S&P) Page -41, Item No-1 Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets.																		
(i) 450 mm X 300 mm size										2.00	Each	Rs.1,155.00	Each	Rs.2,310.00					
30	(S&P) Page -80, Item No-8ii 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										1.00	Each	Rs.945.00	Each	Rs.945.00					
										C/F-		Rs.647,244.63							



<table border="1"> <tr> <td>x</td><td>L</td><td>x</td><td>B</td><td>x</td><td>D/H</td><td>=</td><td>Qty</td><td>Total Qty.</td><td>Unit</td><td>Rate</td><td>Unit</td><td>Amount</td> </tr> </table>										x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount	B/F-		
x	L	x	B	x	D/H	=	Qty	Total Qty.	Unit	Rate	Unit	Amount													
Description of Item										Rs.647,244.63															
31	(S&P) Page -6, Item No-5 Supplying, fitting and fixing bib cock or stop cock. 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)																								
								8.00	Each	539.00 Rs.659.00	Each	4312.00 Rs.5,272.00													
32	(S&P) Page -7, Item No-8a Supplying, fitting and fixing push cock of heavy quality and of approved make and brand. (a) Cast iron (i) 15 mm																								
								2.00	Each	Rs.201.00	Each	Rs.402.00													
33	(S&P) Page -89, Item No-4 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 (6:1) band all round and cement brick work (6:1) upto 0.90 metre from top with 19 mm thick cement plastering (4:1) to inside face upto the depth of cement brick work, 12 mm thick cement plaster (4:1) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (4:1) 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 designed thickness with cement concrete (4:2:1) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover 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. (a) With 250 mm thick dry brick work and 250 mm thick cement brick work (6:1) and 1.00 m inside dia.																								
								1.00	Each	Rs.16,577.00	Each	Rs.16,577.00													
34	(S&P) Page -89, Item No-4 Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar(6:1) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (6:3:1) with jhama khoa over a layer of jhama brick flat soling, 12 mm thick (4:1) cement plaster to inside walls and out-side walls upto G.L. and 20 mm.thick (4:1) plaster to bottom of the pit, providing necessary invert with cement concrete (4:2:1) with jhama chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100 mm thick R.C.C. slab (4:2:1) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (4:1) 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 . i) With pakur variety																								
								3	each	7518 7308.00	Each	22554.00 Rs.21,909.00													
Total=										Rs.691,404.63															
Add for GST[12%]=										Rs.82,968.56															
Total=										Rs.774,373.19															
Add for Labour Welfare Cess[1%]=										Rs.7,743.73															
Total=										Rs.782,116.92															
Total (say)=										Rs.782,117.00															

[Total-Rupees - Seven Lakh Eighty Two Thousand One Hundred ~~eventeen~~ Only]

*Roumar*  
Sub-Assistant Engineer  
Diamond Harbour Municipality

*Patel*  
Executive Officer  
Diamond Harbour Municipality  
South 24 Parganas

*W/ 15/03/2020*  
Junior Engineer (Civil)  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.

*13-03-20*  
Assistant Engineer  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.  
PUBLIC\_TOILET-4\_NEW - with plumb

*W/ 15/03/2020*  
Executive Engineer  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.





# DIAMOND HARBOUR

## Analysis of Rate of Ordinary Cement Concrete (Mix. 1:1.5:3 ) ANNEXURE - II FORMAT - A

	Description of Item	Size	Qty	Unit	Rate
step-1	Rate of item as per relevant section of PWD Bldg. Schedule [3rd corrigenda, p-12B ]				Rs. 4,651.00
step-2	Cost of Stone aggregate of diff. grading as per Table - 1, P-308 [ Consumption required for one cum of Concrete vide P- B 51, I -1] And (vide p-B 60, It.no-3)	20 mm	0.573	Rs 1,482.00	Rs. 849.19
		10mm	0.287	Rs 1,351.00	Rs. 387.74
step-3	Cost of Carriage of Stone aggregate as per consumption required for one cum concrete as per table - 2, p-310	20 mm	0.573	Rs 469.50	Rs. 269.02
		10mm	0.287	Rs 469.50	Rs. 134.75
step-4	Cost of Loading & unloading of stone aggregate bellow 40 mm nominal size. [ Vide Table - 3, p-311 ]		0.86	Rs 58.00	Rs. 49.88
	Rate of 1:1.5:3 Concrete per CUM				Rs. 6,341.57

### Road Transportation & Carriage Works (P- 315) ( Table : T-2 )

BARUIPUR Railway yard to Work Site distance=		40
carriage	Csot/KM	Total
0-5	124	Rs 124.00
5 to 10	10.9	Rs 54.50
10 to 20	10.1	Rs 101.00
20 to 50	9.5	Rs 190.00
50 to 100	8.4	Rs -
>100	7.9	Rs -
Total=		Rs 469.50

### Contactor supply (p-305B), ANNEXTURE-1

	Quantity		Rs.	Total
Rate as per schedule	cum	MT		Rs. 6,341.57
Deduction of cost of cement	0.286	0.4118	6289	-2589.81
Add cost of cement	0.286	0.4118	5717	2354.26
TOTAL=				Rs. 6,106.02

*S. S. Chatterjee*  
Sub-Assistant Engineer  
Diamond Harbour Municipality

*13/03/2020*  
Junior Engineer (Civil)  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.

*13-03-20*  
Assistant Engineer  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.

*13/03/2020*  
Executive Engineer  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.



# Reinforcement Analysis of REINFORCEMENT for JSW/JSPL/SHYAM/SRMB/BMASL/ELECROSTEEL/SSL for DIAMOND HARBOUR

1. Rate of item as per relevant section of this Schedule=	Rate/MT
2. Deduct Issue Rate (Per MT) of respective Quality Steel X 1.17=	60150.00
3. Add Basic Price at outlet of Steel of respective quality X 1.17=	42792.00
4. Add cost of Carriage from outlet to site with necessary loading,	37844.00
	154.00
	161.70
	TOTAL= 54522.54

1. Cost of carriage for -0 to 5=	82
(PWD roads- p-230, It no-5)	
2. Loading & Unloading (without stacking)=(0.75 x 96)	72
(PWD roads- p-228, It no-1.03-b)	
Total=	154

13/03/2020

Sanjay

Assistant Engineer  
Diamond Harbour Municipality

Junior Engineer (Civil)  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.

13-03-20

For the Engineer  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.

13/03/2020  
Executive Engineer  
South 24 Parganas Division  
Municipal Engineering Directorate  
Govt. of W.B.



Office of the Board of Administrators  
**BELDANGA MUNICIPALITY**  
P.O. BELDANGA, PIN-742133, DT. MURSHIDABAD  
ESTD-1981

Phone & Fax: - 03482-264113

E-Mail ID :- [beldanga.municipality@gmail.com](mailto:beldanga.municipality@gmail.com) &

[Chairmanbeldanga2010@gmail.com](mailto:Chairmanbeldanga2010@gmail.com)

Website :- [www.beldangamunicipality.org](http://www.beldangamunicipality.org)

From :- Chairperson

Memo No. 71/B0A/II-9/2020

Dated ... 09/06/2020

To  
The Director,  
State Urban Development Agency (SUDA),  
ILGUS Bhavan, H.B. - 305, AB Road, H.C. Block,  
Sector -III, Salt Lake City, Kolkata - 700106..



CHPM  
Pl. process.  
17.06.20



Sub :- Request for revise approval and allotment of fund for Public Toilet for Beldanga Municipality.

- Ref :-
1. Your memo for release of fund for Construction of Public Toilet under Mission Nirmal Bangla(U)/ Swachh Bharat Mission (U) under vide memo no. 95/2018/9722(3) dated 04.03.2020
  2. Our original letter being no. 737/II-1/En/2020 dated 10.02.2020 followed with another memo being no. 1286/II-1/2020/En dated 18.03.2020.

Sir,

In your memo mentioned above for approval and release of fund for 6 no. P.T. Blocks which were sanctioned consisting of 15 no. Toilet Seats and 0 no. Urinal Seats out of our total prayer 15 no. Toilet Seats and 24 no. Urinal Seats i.e. your sanction was available to us short of 24 no. Urinal Seats. Perhaps it happend due to less convincing of our drawing for numbers and expenditures towards Sanitary and Plumbing works.

Now, we are submitting clear drawing in respect of our claims for total 15 no. Toilet Seats and 24 no. Urinal Seats. In this connection it may also be mentioned here that the cost of Sanitary and Plumbing works are included in the vetted estimate @ 10% (L.S.) which is sufficient for the said no. of Toilet Seats and Urinal Seats.

So, please approve our claimed quantities of Toilet and Urinal Seats and release balance amount towards 50% of the total cost. Hope, your honour will be kind enough in approving our request and release the balance fund of 1<sup>st</sup> installment.

Thanking you.

Enclosures : As stated above 42 pages.

Yours faithfully,

(BHARAT KR. JHAWAR)

Chairperson

Board of Administrators  
Beldanga Municipality

Memo No. ....

Dated ...

Copy to :- The Officer-In-Charge, Municipal Affairs, Murshidabad for kind information and taking necessary action please.





**Office of the Councillors**  
**BELDANGA MUNICIPALITY**

P.O. BELDANGA, PIN-742133, DT. MURSHIDABAD (W.B.)  
ESTD-1981

From:- Chairman

Phone & Fax: 03482 - 264113

Email: [beldanga.municipality@gmail.com](mailto:beldanga.municipality@gmail.com)

Website: [www.beldangamunicipality.org](http://www.beldangamunicipality.org)

Memo No. 1286 / (11-1) / 2020 / En

Date 18 / 03 / 2020

To  
The Director SUDA,  
"ILGUS Bhavan", H.C. Block, Sector- III,  
Bidhannagar, Kolkata- 700 091.



**SUB:** Administrative Approval and Allotment of fund for  
Community Toilet & Public Toilet for Beldanga Municipality.

**REF:** Your approval and release of Fund for Community Toilet and  
Public Toilet vide Memo No. SUDA-30/2018/9723(3) and  
SUDA-95/2018/9722(3) both dated 04.03.2020 for Rs.  
8,30,000.00 (50%) and Rs. 7,35,000.00 (50%) respectively.

Sir,

In our original application the document of numbers in connection with the Toilet Seats and Urinal Seats were some how missed. However, we are again submitting the statement of numbers of Toilet Seats and Urinal Seats. The cost of those seats are within the amount of Sanitary & Plumbing 10% (L.S) in the vetted estimate. So, we would request your goodself for the sanction and release of balance amount of the scheme as we may execute the work as per drawing, design including provision of required Toilet & Urinal Seats an early date.

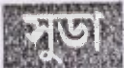
Thanking you.

Yours faithfully,

(Bharat Kumar Jhavar)  
Chairman  
Beldanga Municipality

Enclo: Our original prayer, estimate & drawing.





রাজ্য নগর উন্নয়ন সংস্থা

**SUDA**

**STATE URBAN DEVELOPMENT AGENCY**

"ইলগাস ভবন", এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ  
"ILGUS BHAVAN", H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

SUDA-95/2018/9722(3)

04.03.2020

ক্রমিক নং .....

তারিখ .....

From : Finance Officer, SUDA

To: Chairman, Beldanga/Baruipur/Mathabhanga Municipality

**MEMORANDUM**

Sub.: Release of fund to Beldanga/Baruipur/Mathabhanga Municipality for construction of Public Toilet under Mission Nirmal Bangla (U)/ Swachh Bharat Mission (U).

Sir/Madam,

Total Amount of Rs.19,68,000/- (Rupees Nineteen Lakh Sixty Eight Thousand only) has been released in favour of 03 ULBs for construction of Public Toilet under Mission Nirmal Bangla (U)/ Swachh Bharat Mission (U).

The detail of fund released is placed below:

Name of ULBs	No. of PT Block	No. of Toilet Seat	No. of Urinal Seat	Fund requested by ULB (Rs.)	Fund approved for toilet seat (Rs.) as per MNB norms	Fund approved for Urinal seat (Rs.) as per MNB norms	Total approved (Rs.) as per MNB norms	50% of the allotment released	Remarks
Beldanga	6	15	0	2272382	1470000 (98000X15)	0	1470000	735000	Any surplus amount, to be borne by the ULB
Baruipur	2	8	16	1495230	784000 (98000X8)	512000 (32000X16)	1296000	648000	
Mathabhanga	3	9	9	2038791	882000 (98000X9)	288000 (32000X9)	1170000	585000	
Total Amount								1968000	

Utilisation Certificate of the funds received from SUDA may please be sent to this office and uploaded at sudawb.org → e-services positively within 60 days.

*[Signature]*  
Finance Officer,  
State Urban Development Agency  
04/03/2020

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408





**Office of the Councillors**  
**BELDANGA MUNICIPALITY**  
P.O. BELDANGA, PIN-742133, DT. MURSHIDABAD (W.B.)  
ESTD-1981

Phone & Fax: 03482 - 264113  
Email: [beldanga.municipality@gmail.com](mailto:beldanga.municipality@gmail.com)  
Website: [www.beldangamunicipality.org](http://www.beldangamunicipality.org)

From:- Chairman

Memo No. 735/II-1/Em/2020

Date 10/02/2020

To  
The Director SUDA,  
"ILGUS Bhavan", H.C. Block, Sector- III,  
Bidhannagar, Kolkata- 700 091.



**SUB: Administrative Approval and Allotment of fund for  
Community Toilet & Public Toilet for Beldanga Municipality.**

Sir,

We are submitting herewith the vetted estimate in connection with the work for construction of 5 (five) Nos. of Community Toilet and 6 (Six) Nos. of Public Toilet. Vetted estimated amount for Community Toilet stands at Rs. 20,07,854.00 (Rupees Twenty lakhs Seven thousand Eight hundred Fifty four) and for Public Toilet the estimated amount stands at Rs. 22,72,382.00 (Rupees Twenty two lakhs Seventy two thousand Three hundred Eighty two), totaling an amount of Rs. 42,80,236.00 (Rupees Forty two lakhs Eighty thousand Two hundred Thirty six) only.

This is also to be mentioned here that there are Cattle hat, truck terminals and a big vegetable market. Moreover, NH Road 34 runs through the heart of Beldanga Municipality and as such the town is crowded by the outsiders. Trucks stand by the NH Road 34 during all day and night. For these reasons Community Toilets and Public Toilets are needed and if such Toilets are constructed the town will be actually free from open defection.

So I would request your goodself for administrative approval and release of fund for the above mentioned work.  
Thanking you.

Yours faithfully,

(Bharat Kumar Jhawar)  
Chairman  
Beldanga Municipality

Memo No. 738(1)/II-1/Em/2020

Date 10/02/2020

Copy forwarded for favour of kind information to:

❖ The District Magistrate & Collector, Murshidabad, New Administrative Building, Berhampore, Murshidabad.

(Bharat Kumar Jhawar)  
Chairman  
Beldanga Municipality

Office of  
**The Executive Engineer**  
Murshidabad Division,  
Municipal Engineering Directorate,  
Urban Development &  
Municipal Affairs Department

5, Babulbona Road, Madhupur, Berhampore, Murshidabad. PIN- 742101.  
Phone & Fax :- (03482) 250679. E-Mail :- ee.bhp.med@gmail.com

RECEIVED

07/02/2020

Contents Not Verified  
Beldanga Municipality



330

নির্বাহী বাস্তাকারের করণ  
মুর্শিদাবাদ ভুক্তি, পৌর প্রকৌশল অধিদপ্তর  
নগর উন্নয়ন ও পৌর বিষয়ক বিভাগ

৫, বাবুলবোনা রোড, মধুপুর, বহরমপুর, মুর্শিদাবাদ, ডাক স্টক সংখ্যা - ৭৪২১০।  
দূরভাষ ও ফ্যাক্স - (০৩৪৮২) ২৫০৬৭৯, ই-মেইল - ee.bhp.med@gmail.com

Memo No. : MED / BHP / 1088 / IV-5/95 Part-I

Date: 06.02.2020

From: The Executive Engineer,  
Murshidabad Division,  
M.E. Directorate.

To: The Chairman,  
Beldanga Municipality.

Subject: Submission of vetted estimate in duplicate copies in connection with the work for construction of Community & Public Toilet at various Ward within Beldanga Municipality.

Your office Ref: Your office memo no.593/II-1/2020, Dated- 04/02/2020.

Sir,

With reference to the above, I am sending herewith two (2) sets each of the following vetted estimates within Beldanga Municipality. The list of estimate are given below:-

Sl. No.	Name of Work	Vetted Cost (Rs.) Add 12% GST, Add 1% cess, included.
1.	Estimate for the work of construction of Community & Public Toilet at various Ward within Beldanga Municipality.	Community Toilet Rs. 20,07,854. Public Toilet Rs. 22,72,382. <b>Total vetted Amount=</b> <b>Rs.42,80,236</b>

It is to mention here that this Vetting is for obtaining the fund only and cost provision in respect of Electrical works is to be separately vetted from the Competent Authority for the purpose of invitation of tender.

This is for your kind information and necessary action please.

Yours faithfully,

Encl: As stated above.

EXECUTIVE ENGINEER  
Murshidabad Division,  
M.E. Directorate

Executive Engineer,  
Murshidabad Division,  
M.E. Directorate



## ESTIMATE OF PROPOSED COMMUNITY TOILET (AS PER RATE OF URINAL & TOILET SHEET)

SL NO	NAME OF TOILET BLOCK	WARD NO	URINAL SEAT	TOILET SEAT	AMOUNT
1	MARKAJ MASJID	1	3	2	329922.00
2	MAJHPARA IDGAH	9	4	2	292961.00
3	JUVENILE SCHOOL	8	4	2	429434.00
4	SARULIA SEVAK SANGHA	3	4	4	426591.00
5	BARUA COLONY	2	4	4	528946.00
<b>TOTAL =</b>			19	14	2007854.00

For toilet sheet	14	x	98000.00	=	1372000.00
For Urinal sheet	19	x	32000.00	=	608000.00
total					<u>1980000.00</u>

## ESTIMATE OF PROPOSED PUBLIC TOILET (AS PER RATE OF URINAL & TOILET SHEET)

SL NO	NAME OF TOILET BLOCK	WARD NO	URINAL SEAT	TOILET SEAT	AMOUNT
1	MATANGINI STATUE	14	5	4	557378.00
2	ARATPALLY PRIMARY SCHOO	3	3	3	395316.00
3	UTTARPARA BATPUKUR	12	4	2	329922.00
4	PYC MATH SSK	4	4	2	329922.00
5	UTTARPARA SSK	7	4	2	329922.00
6	MADDA ROAD SSK	13	4	2	329922.00
<b>TOTAL =</b>			24	15	2272382.00

For toilet sheet	15	x	98000.00	=	1470000.00
For Urinal sheet	24	x	32000.00	=	768000.00
total					<u>2238000.00</u>





## TOPSHEET OF PUBLIC TOILET (MISSION NIRMAL BANGLA)

SL NO	WARD NO	NAME OF WORKS <del>ROTE</del>	ESTIMATED AMOUNT
1	14	TOILET BLOCK NEAR MATANGINI STATUE	₹ 5,57,378/-
2	3	TOILET BLOCK NEAR SARATPALLY SCHOOL	₹ 3,95,316/-
3	12	TOILET BLOCK AT UTTARPARA BATPUKUR	₹ 3,29,922.00
4	4	TOILET BLOCK AT PYC MATH NEAR SSK	₹ 3,29,922.00
5	7	TOILET BLOCK AT UTTARPARA SSK	₹ 3,29,922.00
6	13	TOILET BLOCK NEAR MADDA ROAD SSK	₹ 3,29,922.00

Total- 22,72,382.00 TOTAL -Rs- 22,72,382.00

(Rupees Twenty Lakh Seventy Two Thousand Three Hundred Eighty Two only)

*Pradyumn Bhattacharya*  
06/02/2020  
JUNIOR ENGINEER  
Murshidabad  
Deptt. of Urban

*U. N. Das*  
4.2.2020  
Chairman  
Beldanga Municipality



# BELDANGA MUNICIPALITY

ESTIMATE FOR THE CONSTRUCTION OF TOILET BLOCK NEAR MATANGINI STATUE, WARD -14

MISSION NIRMAL BANGLA

(WITH ELECTRICAL & PLUMBING WORKS)

SCHEDULE OF RATES: PWD(WB), SCHEDULE OF RATES BUILDING & SANITARY W.E.F 01.01.2017, MURSHIDABAD

NO	DESCRIPTIONS OF WORKS	QUANTITY	UNIT	RATE	AMOUNT
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.	15.24	%Cu.m	11927.00	1817.56
	SOR, PWD, PAGE-1, ITEM-2.a				
2	(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)	10.57	%Cu.m	<del>71181.00</del> 85173	<del>7526.32</del> 9005.73
	SOR, PWD, PAGE-1, ITEM-4, 5TH CORRIGENDA & ADDENDA				
3	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.	47.12	Sq.M	24.00	1130.93
	SOR, PWD, PAGE-47, ITEM-3				
4	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. a) Pakur Variety	4.56	Cu.m	5540.50	25267.45
	SOR, PWD, PAGE-24, ITEM-4, 3RD CORRIGENDA & ADDENDA			5050	54281.76
5	Brick work with 1st class bricks in cement mortar (1:6)	10.75	Cu.m	4928.00	52977.23
	(a) In foundation and plinth			5273	13492.52
	SOR, PWD, PAGE-15, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
	(b) In superstructure, ground floor	2.56	Cu.m	5151.00	13160.81
	SOR, PWD, PAGE-15, ITEM-10.b, 3RD CORRIGENDA & ADDENDA				
6	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	59.52	Sq.M	677	40292.16
	SOR, PWD, PAGE-16, ITEM-16, 3RD CORRIGENDA & ADDENDA				
7	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	6.11	Cu.m	<del>6088.63</del> 6091.97	<del>37196.96</del> 37217.3
	SOR, PWD, PAGE-16, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
8	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.	0.81	M.T	53888.00	43379.84
	a) For works in foundation and upto roof of ground floor/upto 4 m			60063.61	48302.4
	SOR, PWD, PAGE-1, ITEM-40.a.i, 9TH CORRIGENDA & ADDENDA				

43

1044



	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)(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	14.17	Sq.M	330	4674.86
	SOR, PWD, PAGE-43,44, ITEM-40.a.i, 3RD CORRIGENDA & ADDENDA				
i)	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 b) 20 mm thick plaster	121.44	Sq.M	163	19794.35
	SOR, PWD, PAGE-189, ITEM-1.i.b, 3RD CORRIGENDA & ADDENDA				
	c) 15 mm thick plaster	84.16	Sq.M	142	11950.37
	SOR, PWD, PAGE-189, ITEM-1.i.c, 3RD CORRIGENDA & ADDENDA				
	c) 10 mm thick plaster (1:4)	36.81	Sq.M	127	4674.81
	SOR, PWD, PAGE-189, ITEM-1.ii.c, 3RD CORRIGENDA & ADDENDA				
11	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. (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint tfilling using white cement slurry @ 0.20kg/Sq.m. b)Area upto 0.09 Sq.m ii) Other than Coloured decorative including white	23.50	Sq.M	695	16330.59
	SOR, PWD, PAGE-64, ITEM-35.A.b.i				
12	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. Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative	59.75	Sq.M	742	44330.79
	SOR, PWD, PAGE-64, ITEM-35.B.b.i				



	M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round./ square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge. In ground floor.	2.45	Qntl	7566	18536.70
14	<b>SOR, PWD, PAGE-105, ITEM-16</b> Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.	10.24	Sq.M	1943	19891.46
15	<b>SOR, PWD, PAGE-116, ITEM-7</b> 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 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. (i) For 20 users A) With Pakur variety. (SAIL/TATA/RINL)	1.00	Item	45344.00 45982.60	45344.00 45982.60
16	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	13.23	Sq.M	29	383.67



	SOR, PWD, PAGE-200, ITEM-1.a				
17	(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 : With super gloss (hi-gloss) - Two coats (white in shade)	12.29	Sq.M	77	945.95
	SOR, PWD, PAGE-200, ITEM-2				
18	b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	12.29	Sq.M	38	466.83
	SOR, PWD, PAGE-200, ITEM-1.a				
19	B) Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : b) Two coats	12.29	Sq.M	57	700.25
	SOR, PWD, PAGE-201, ITEM-3				
20	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 specification. In Ground floor: (iii) two Coats	183.75	Sq.M	49	9003.75
	SOR, PWD, PAGE-197, ITEM-15				

TOTAL AMOUNT

Add for Electrical works (5%)

Add for Plumbing works (10%)

Rs 428462.30 419777.63

Rs 2123.11 20988.88

Rs 42846.23 41977.76

492731.64 482744.28

GST12% 59127.80 57929.31

551859.44 540673.59

CESS 1% 5518.59 5406.74

TOTAL 557378.03 546080.33

Say, 5,57,378.03

S. A. E.  
Beldanga Municipality

(Rupees Five Lakh Fifty Seven thousands Three Hundred Seventy Eight only)

(BHARAT KUMAR JHAWAR)  
Chairman  
Beldanga Municipality

Pradip Bhattacharjee  
06/02/2020

JUNIOR ENGINEER  
Murshidabad  
Deptt. of Urban  
Govt.

May be vetted

06/02/2020

ASSISTANT ENGINEER  
Murshidabad Division, M.E.DTE.  
Dept. of Municipal Affairs  
Govt. of West Bengal

VETTED

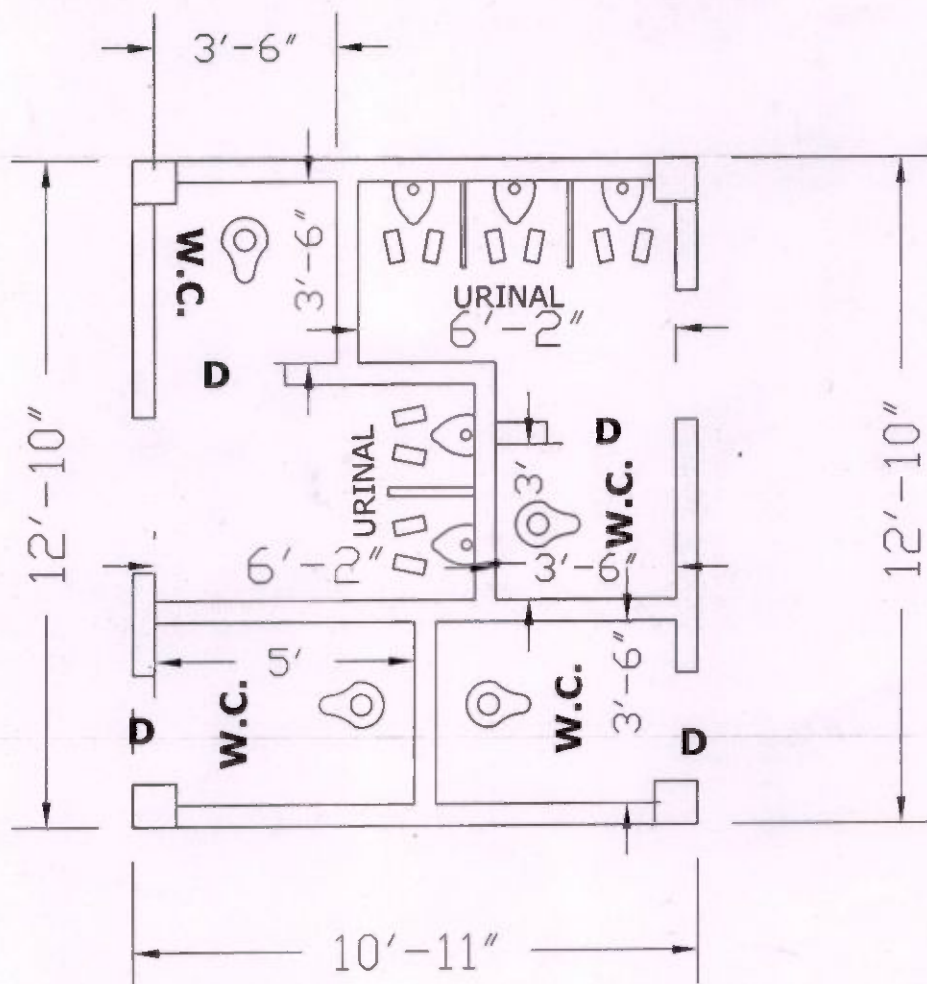
06.12.2020

EXECUTIVE ENGINEER  
Murshidabad Division  
M.E. Directorate  
Deptt. of Urban Dev. & Municipal Affairs  
Govt. of West Bengal

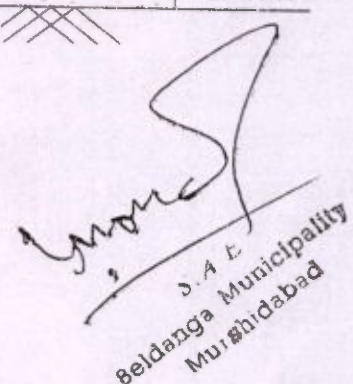




# PLAN OF P.T.NEAR MATANGINI STATUE, WARD NO-14



S.A.E.  
Bardanga Municipality  
Murshidabad



10 INCH THK. BRICK WALL  
SCALE = 1:96



# BELDANGA MUNICIPALITY

ESTIMATE FOR THE CONSTRUCTION OF TOILET, BLOCK AT SARATPALLY PRIMARY SCHOOL, WARD-3

MISSION NIRMAL BANGLA

(WITH ELECTRICAL & PLUMBING WORKS)

SCHEDULE OF RATES: PWD(WB), SCHEDULE OF RATES BUILDING & SANITARY W.E.F 01.01.2017, MURSHIDABAD

NO	DESCRIPTIONS OF WORKS	QUANTITY	UNIT	RATE	AMOUNT
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.	10.28	%Cu.m	11927.00	1225.55
	SOR, PWD, PAGE-1, ITEM-2.a				
2	(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)	7.13	%Cu.m	<del>71181.00</del> 85773	5074.89 6072.46
	SOR, PWD, PAGE-1, ITEM-4, 5TH CORRIGENDA & ADDENDA				
3	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.	31.77	Sq.M	24.00	762.57
	SOR, PWD, PAGE-47, ITEM-3				
4	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. a) Pakur Variety	3.08	Cu.m	5540.50	17037.48
	SOR, PWD, PAGE-24, ITEM-4, 3RD CORRIGENDA & ADDENDA				
5	Brick work with 1st class bricks in cement mortar (1:6)			5050	36606.14
	(a) In foundation and plinth	7.25	Cu.m	<del>4928.00</del> 5273	35721.79 9084.32
	SOR, PWD, PAGE-15, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
	(b) In superstructure, ground floor	1.72	Cu.m	<del>5151.00</del>	8874.14
	SOR, PWD, PAGE-15, ITEM-10.b, 3RD CORRIGENDA & ADDENDA				
6	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	40.13	Sq.M	677	27168.43
	SOR, PWD, PAGE-16, ITEM-16, 3RD CORRIGENDA & ADDENDA				
7	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	4.12	Cu.m	<del>6088.63</del> 6091.97	25081.38 25095.17
	SOR, PWD, PAGE-16, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
8	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.	0.54	M.T	<del>53888.00</del> 60005.00	29250.41 32569.6
	a) For works in foundation and upto roof of ground floor/upto 4 m				
	SOR, PWD, PAGE-1, ITEM-40.a.i, 9TH CORRIGENDA & ADDENDA				



	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) (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	9.55	Sq.M	330	3152.19
	SOR, PWD, PAGE-43, 44, ITEM-40.a.i, 3RD CORRIGENDA & ADDENDA				
10	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 b) 20 mm thick plaster	81.88	Sq.M	163	13347.05
	SOR, PWD, PAGE-189, ITEM-1.i.b, 3RD CORRIGENDA & ADDENDA				
	c) 15 mm thick plaster	56.75	Sq.M	142	8057.96
	SOR, PWD, PAGE-189, ITEM-1.i.c, 3RD CORRIGENDA & ADDENDA				
	c) 10 mm thick plaster (1:4)	24.82	Sq.M	127	3152.16
	SOR, PWD, PAGE-189, ITEM-1.ii.c, 3RD CORRIGENDA & ADDENDA				
11	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. (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. b) Area upto 0.09 Sq.m ii) Other than Coloured decorative including white	15.84	Sq.M	695	11011.48
	SOR, PWD, PAGE-64, ITEM-35.A.b.i				
12	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. Wall With Sand Cement Mortar (1:3) 15 mm thick & 2mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative	40.29	Sq.M	742	29891.62
	SOR, PWD, PAGE-64, ITEM-35.B.b.i				



	M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge. In ground floor.	1.65	Qntl	7566	12499.03
	SOR, PWD, PAGE-105, ITEM-16				
14	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.	6.90	Sq.M	1943	13412.53
	SOR, PWD, PAGE-116, ITEM-7				
15	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 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. (i) For 20 users Item 3.11.A 18-88 A) With Pakur variety. (SAIL/TATA/RINL) Jh corrigenda	1.00	Item	<del>45344.00</del> 45983	<del>45344.00</del> 45983
16	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	8.92	Sq.M	29	258.70
	SOR, PWD, PAGE-200, ITEM-1.a				



	(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 : With super gloss (hi-gloss) - Two coats (white in shade)	8.28	Sq.M	77	637.84
	SOR, PWD, PAGE-200, ITEM-2				
18	b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	8.28	Sq.M	38	314.78
	SOR, PWD, PAGE-200, ITEM-1.a				
19	B) Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : b) Two coats	8.28	Sq.M	57	472.17
	SOR, PWD, PAGE-201, ITEM-3				
20	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 specification. In Ground floor: (iii) two Coats	123.90	Sq.M	49	6071.10
	SOR, PWD, PAGE-197, ITEM-15				

TOTAL AMOUNT

Add for Electrical works (5%)

Add for Plumbing works (10%)

Rs 3,03,88.33 297819.25

Rs 15194.17 14890.96

Rs 30388.33 29781.93

349465.83 342492.14

GST12% 41935.90 41099.06

391401.73 383591.19

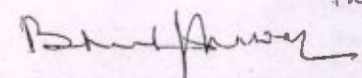
CESS 1% 3914.02 3835.91

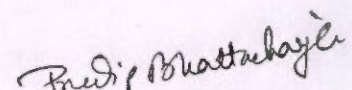
TOTAL 395315.44 387427.11

Rs 3,95,316.00

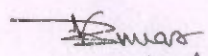
(Rupees Three Lakh Ninety Five Thousand Three Hundred Sixteen only)

  
S. A. E.  
Beldanga Municipality

  
(BHARAT KUMAR JHAWAR)  
Chairman  
Beldanga Municipality

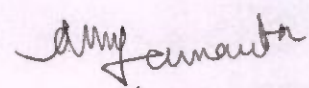
  
06/02/2020

May be vetted

  
06/02/2020

ASSISTANT ENGINEER  
Murshidabad Division, M.E.DTE.  
Dept. of Municipal Affairs  
Govt. of West Bengal

**VETTED**

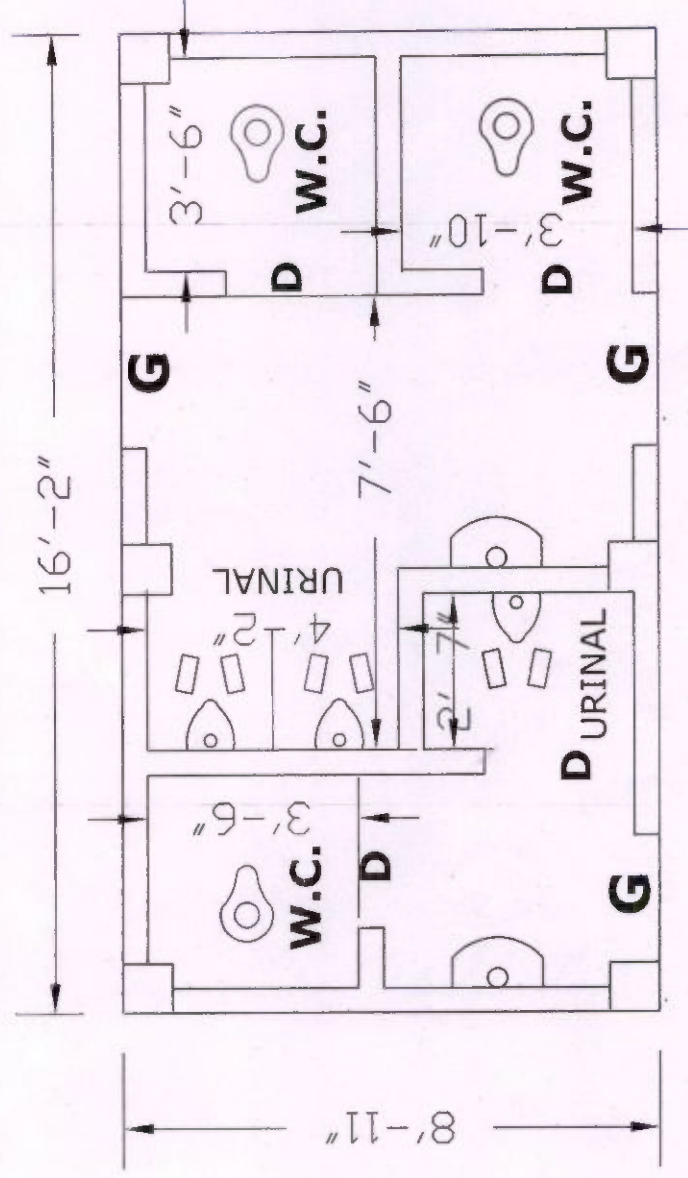
  
06.02.2020


EXECUTIVE ENGINEER  
Murshidabad Division  
M.E. Directorate  
Dept. of Urban Dev. & Municipal Affairs  
Govt. of West Bengal

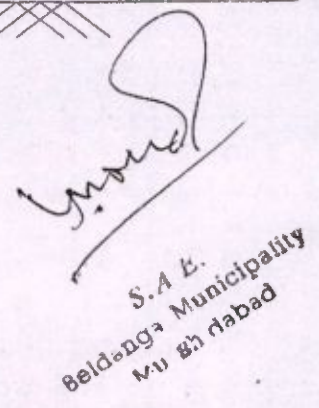
JUNIOR ENGINEER  
Murshidabad Division, M.E.Dte.  
Dept. of Urban Dev. & Municipal Affairs  
Govt. of West Bengal



# PLAN OF P.T. AT SARATPALLY PRY. SCHOOL ATWARD NO-3



  
S.A.E.  
Beidanga Municipality  
Marsaidabas



— — — — —





# BELDANGA MUNICIPALITY

## ESTIMATE FOR THE CONSTRUCTION OF TOILET BLOCK AT UTTARPARA NEAR BUTPUKUR, WARD-12

### MISSION NIRMAL BANGLA

### (WITH ELECTRICAL & PLUMBING WORKS)

SCHEDULE OF RATES: PWD(WB), SCHEDULE OF RATES BUILDING & SANITARY W.E.F 01.01.2017, MURSHIDABAD

SL. NO	DESCRIPTIONS OF WORKS	QUANTITY	UNIT	RATE	AMOUNT
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	8.27	%Cu.m	11927.00	986.67
	SOR, PWD, PAGE-1, ITEM-2.a				
2	(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)	5.74	%Cu.m	71181.00	4085.72
	SOR, PWD, PAGE-1, ITEM-4, 5TH CORRIGENDA & ADDENDA				
3	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.	25.58	Sq.M	24.00	613.94
	SOR, PWD, PAGE-47, ITEM-3				
4	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. a) Pakur Variety	2.48	Cu.m	5540.50	13716.62
	SOR, PWD, PAGE-24, ITEM-4, 3RD CORRIGENDA & ADDENDA				
5	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	5.84	Cu.m	4928.00	28759.0
	SOR, PWD, PAGE-15, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
	(b) In superstructure, ground floor	1.39	Cu.m	5151.00	7144.44
	SOR, PWD, PAGE-15, ITEM-10.b, 3RD CORRIGENDA & ADDENDA				
6	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	32.31	Sq.M	677	21872.8
	SOR, PWD, PAGE-16, ITEM-16, 3RD CORRIGENDA & ADDENDA				
7	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	3.32	Cu.m	6088.63	20192.6
	SOR, PWD, PAGE-16, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
8	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.	0.44	M.T	53888.00	23549.
	a) For works in foundation and upto roof of ground floor/upto 4 m.				
	SOR, PWD, PAGE-1, ITEM-40.a.i, 9TH CORRIGENDA & ADDENDA				



9	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) (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	7.69	Sq.M	330	2537.78
	SOR, PWD, PAGE-13,44, ITEM-40.a.i, 3RD CORRIGENDA & ADDENDA				
10	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 b) 20 mm thick plaster	65.92	Sq.M	163	10745.51
	SOR, PWD, PAGE-189, ITEM-1.i.b, 3RD CORRIGENDA & ADDENDA				
	c) 15 mm thick plaster	45.69	Sq.M	142	6487.34
	SOR, PWD, PAGE-189, ITEM-1.i.c, 3RD CORRIGENDA & ADDENDA				
	c) 10 mm thick plaster (1:4)	19.98	Sq.M	127	2537.75
	SOR, PWD, PAGE-189, ITEM-1.ii.c, 3RD CORRIGENDA & ADDENDA				
11	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. (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. b) Area upto 0.09 Sq.m ii) Other than Coloured decorative including white	12.76	Sq.M	695	8865.18
	SOR, PWD, PAGE-64, ITEM-35.A.b.i				
12	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 With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative	32.43	Sq.M	742	24065.29
	SOR, PWD, PAGE-64, ITEM-35.B.b.i				



13	M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge. In ground floor.	1.33	Qntl	7566 ✓	10062.78 ✓
	SOR, PWD, PAGE-105, ITEM-16				
14	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th. x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor. 115 15	5.56	Sq.M	1943 ✓	10798.22 ✓
	SOR, PWD, PAGE-116, ITEM-7				
15	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 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. (i) For 20 users A) With Pakur variety. (SAIL/TATA/RINL) Item 3:11.A Pg-85 7th corrigenda	1.00	Item	45344.00 45983	45344.00 45983
16	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	7.18	Sq.M	29 ✓	208.28 ✓
	SOR, PWD, PAGE-200, ITEM-1.a				



17	(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 : With super gloss (hi-gloss) - Two coats (white in shade) (ii)	6.67	Sq.M	77	513.51
SOR, PWD, PAGE-200, ITEM-2					
18	b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	6.67	Sq.M	38	253.42
SOR, PWD, PAGE-200, ITEM-1.a					
19	B) Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface : b) Two coats	6.67	Sq.M	57	380.13
SOR, PWD, PAGE-201, ITEM-3					
20	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 specification. In Ground floor: (iii) two Coats	99.75	Sq.M	49	4887.75
SOR, PWD, PAGE-197, ITEM-15					

TOTAL AMOUNT

Add for Electrical works (5%)

Add for Plumbing works (10%)

Rs 253614.62 248607.97

Rs 12680.73 12430.40

Rs 25361.46 24860.80

291656.81 285899.17

GST12% 34998.82 34307.90

326655.63 320207.07

CESS 1% 3266.56 3202.07

TOTAL 329922.19 323409.14

Day, 3,29,922.00/-

(Bharat Kumar Jhawaar)  
Chairman  
Beldanga Municipality  
(Rupees Three Lakh Twenty Nine Thousand Nine Hundred Twenty two only)

May be vetted

*[Signature]*  
06/02/2020

ASSISTANT ENGINEER  
Murshidabad Division, M.E.DTE.  
Dept. of Municipal Affairs  
Govt. of West Bengal

*[Signature]*  
06-02-2020  
EXECUTIVE ENGINEER  
Murshidabad Division  
M.E. Directorate  
Deptt. of Urban Dev. & Municipal Affairs  
Govt. of West Bengal

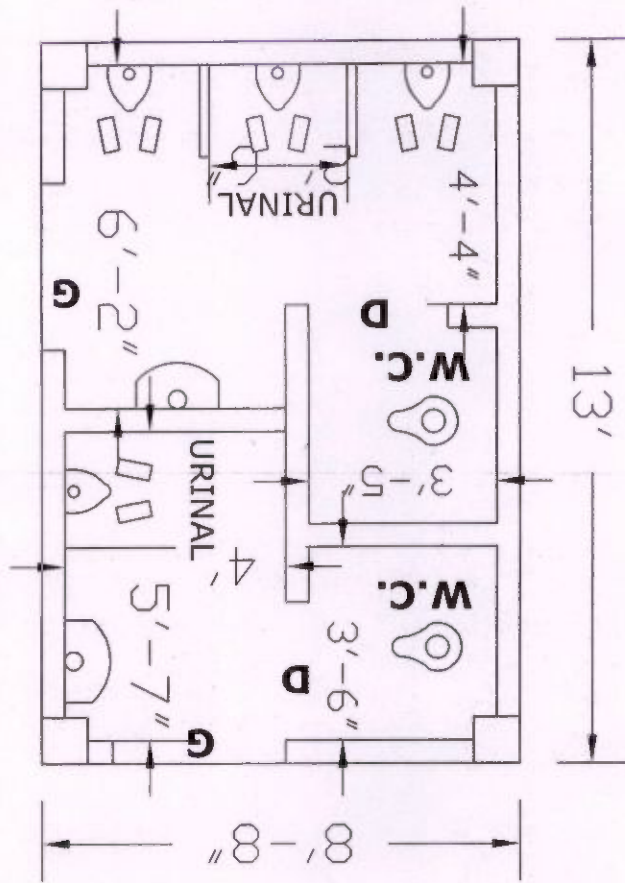
*[Signature]*  
06/02/2020  
JUNIOR ENGINEER  
Murshidabad Division, M.E.Dte  
Deptt. of Urban Dev. & Municipal Affairs  
Govt. of West Bengal

**VETTED**



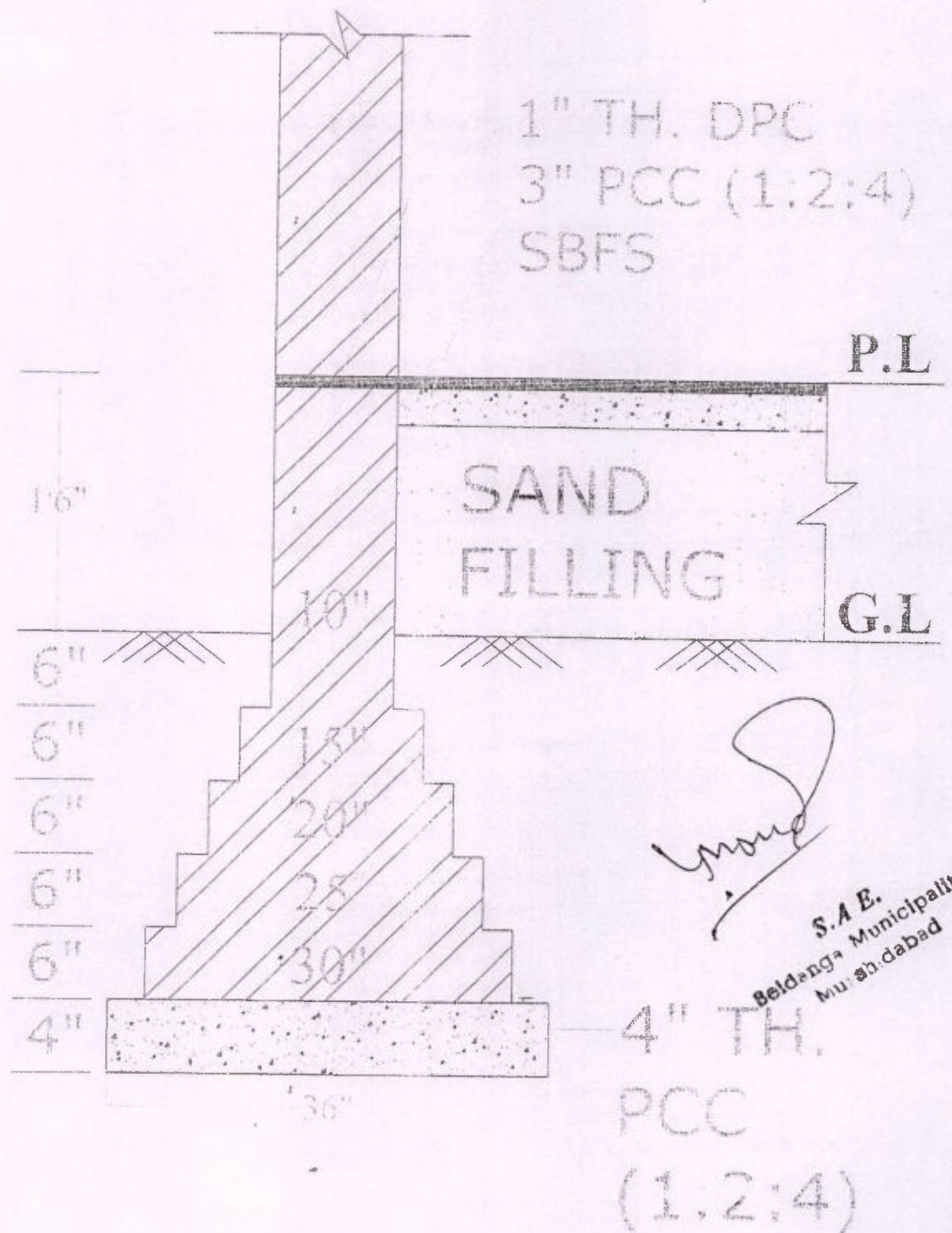


# PLAN OF P.T. AT UTTARPARA BUTPUKUR, WARD NO-12



*[Signature]*

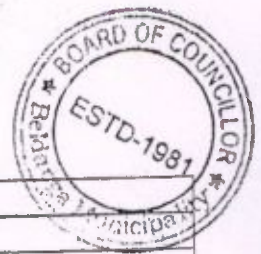
S.A.E.  
Beldanga Municipality  
Murshidabad



*Signature*

S.A.E.  
Beldanga Municipality  
Murshidabad





# BELDANGA MUNICIPALITY

ESTIMATE FOR THE CONSTRUCTION OF TOILET BLOCK NEAR SSK AT PYC MATH, WARD -4

MISSION NIRMAL BANGLA

(WITH ELECTRICAL & PLUMBING WORKS)

SCHEDULE OF RATES: PWD(WB), SCHEDULE OF RATES BUILDING & SANITARY W.E.F 01.01.2017, MURSHIDABAD

DESCRIPTIONS OF WORKS	QUANTITY	UNIT	RATE	AMOUNT
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.	8.27	%Cu.m	11927.00	986.67
SOR, PWD, PAGE-1, ITEM-2.a				
(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)	5.74	%Cu.m	71181.00 85173	4085.72 4888.85
SOR, PWD, PAGE-1, ITEM-4, 5TH CORRIGENDA & ADDENDA				
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	25.58	Sq.M	24.00	613.94
SOR, PWD, PAGE-47, ITEM-3				
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. a) Pakur Variety	2.48	Cu.m	5540.50	13716.62
SOR, PWD, PAGE-24, ITEM-4, 3RD CORRIGENDA & ADDENDA				
Brick work with 1st class bricks in cement mortar (1:6) a) In foundation and plinth	5.84	Cu.m	5050 4928.00	29471.04 28759.07
SOR, PWD, PAGE-15, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
(b) In superstructure, ground floor	1.39	Cu.m	5273 5151.00	7313.65 7144.44
SOR, PWD, PAGE-15, ITEM-10.b, 3RD CORRIGENDA & ADDENDA				
125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	32.31	Sq.M	677	21872.89
SOR, PWD, PAGE-16, ITEM-16, 3RD CORRIGENDA & ADDENDA				
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	3.32	Cu.m	6088.63 6091.97	20192.64 20203.70
SOR, PWD, PAGE-16, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
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.	0.44	M.T	53888.00 60003	23549.06 26221.31
a) For works in foundation and upto roof of ground floor/upto 4 m				
SOR, PWD, PAGE-1, ITEM-40.a.i, 9TH CORRIGENDA & ADDENDA				

<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) (a) 25 mm to 30 mm thick wooden shuttering as per decision &amp; direction of Engineer-In-Charge.</p>	7.69	Sq.M	330	2537.78
SOR, PWD, PAGE-43,44, ITEM-40.a.i, 3RD CORRIGENDA & ADDENDA				
<p>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 clipping over concrete surface]</p> <p>(i) With 1:6 cement mortar</p> <p>b) 20 mm thick plaster</p>	65.92	Sq.M	163	10745.51
SOR, PWD, PAGE-189, ITEM-1.i.b, 3RD CORRIGENDA & ADDENDA				
c) 15 mm thick plaster	45.69	Sq.M	142	6487.34
SOR, PWD, PAGE-189, ITEM-1.i.c, 3RD CORRIGENDA & ADDENDA				
e) 10 mm thick plaster (1:4)	19.98	Sq.M	127	2537.75
SOR, PWD, PAGE-189, ITEM-1.ii.c, 3RD CORRIGENDA & ADDENDA				
<p>supplying, fitting &amp; fixing 1st quality Ceramic tiles in walls and floors to match with the existing work &amp; 4 nos. of key stones (10mm) fixed with araldite at the back of each tile &amp; 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 &amp; grout materials etc.(A) Floor</p> <p>With Sand Cement Mortar (1:4) 20 mm thick &amp; 2 mm thick cement slurry at back side of tiles using cement @ 2.91 kg/Sq.m &amp; joint filling using white cement slurry @ 0.20kg/Sq.m.</p> <p>Area upto 0.09 Sq.m</p> <p>Other than Coloured decorative including white</p>	12.76	Sq.M	695	8865.18
SOR, PWD, PAGE-64, ITEM-35.A.b.i				
<p>Supplying, fitting &amp; fixing 1st quality Ceramic tiles in walls and floors to match with the existing work &amp; 4 nos. of key stones (10mm) fixed with araldite at the back of each tile &amp; 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 &amp; grout materials etc.</p> <p>Wall</p> <p>With Sand Cement Mortar (1:3) 15 mm thick &amp; 2 mm thick cement slurry at back side of tiles using cement @ 2.91 kg/Sq.m &amp; joint filling using white cement slurry @ 0.20kg/Sq.m.</p> <p>(a) Area of each tile upto 0.09 Sq.m</p> <p>(b) Coloured decorative</p>	32.43	Sq.M	742	24065.29
SOR, PWD, PAGE-64, ITEM-35.B.b.i				



13	M.S. gate of jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge. In ground floor.	1.33	Qntl	7566	10062.78
	SOR, PWD, PAGE-105, ITEM-16				
14	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm.(5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent-cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.	5.56	Sq.M	1943	10798.22
	SOR, PWD, PAGE-116, ITEM-7				
15	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 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. (i) For 20 users A) With Pakur variety. (SAIL/TATA/RINL)	1.00	Item	<del>45344.00</del> 45983	<del>45344.00</del> 45983
16	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	7.18	Sq.M	29	208.28
	SOR, PWD, PAGE-200, ITEM-1.a				



17	(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 : With super gloss (hi-gloss) - Two coats (white in shade)	6.67	Sq.M	77	513.51
	SOR, PWD, PAGE-200, ITEM-2				
18	b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	6.67	Sq.M	38	253.42
	SOR, PWD, PAGE-200, ITEM-1.a				
19	B) Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface b) Two coats	6.67	Sq.M	57	380.13
	SOR, PWD, PAGE-201, ITEM-3				
20	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 specification. In Ground floor: (iii) two Coats	99.75	Sq.M	49	4887.75
	SOR, PWD, PAGE-197, ITEM-15				

TOTAL AMOUNT

Add for Electrical works (5%)

Add for Plumbing works (10%)

Rs 223614.62 248607.97

Rs 12680.73 12430.40

Rs 22361.46 24860.80

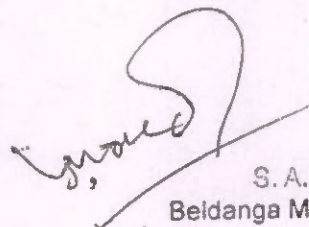
291656.81 285899.17

GST12% 34998.82 34307.90

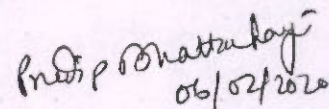
326655.63 20207.07

CESS 1% 3266.56 3202.07

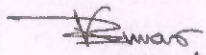
TOTAL 329922.19 323409.14

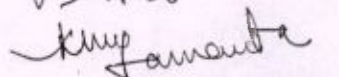
  
S. A. E.  
Beldanga Municipality

Rupees three lakhs twenty nine  
thousand nine hundred  
twenty two only  
(BHARAT KUMAR JHAWAR)  
Chairman  
Beldanga Municipality

  
06/02/2020

May be vetted

  
06/02/2020  
ASSISTANT ENGINEER  
Murshidabad Division, M.E.DTE.  
Dept. of Municipal Affairs  
Govt. of West Bengal

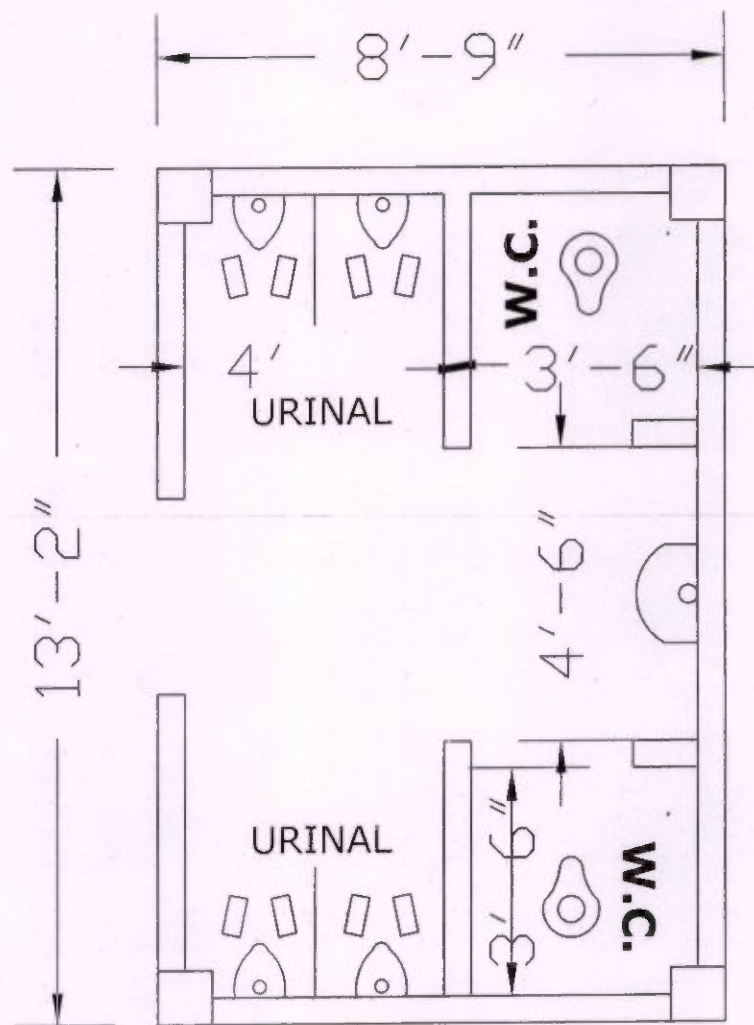
vetted  
  
06.02.2020  
EXECUTIVE ENGINEER  
Murshidabad Division  
M.E. Directorate  
Dept. of Urban & Municipal Affairs  
Govt. of West Bengal

JUNIOR ENGINEER  
Murshidabad Division, M.E.Dte  
Dept. of Urban & Municipal Affairs  
Govt. of West Bengal

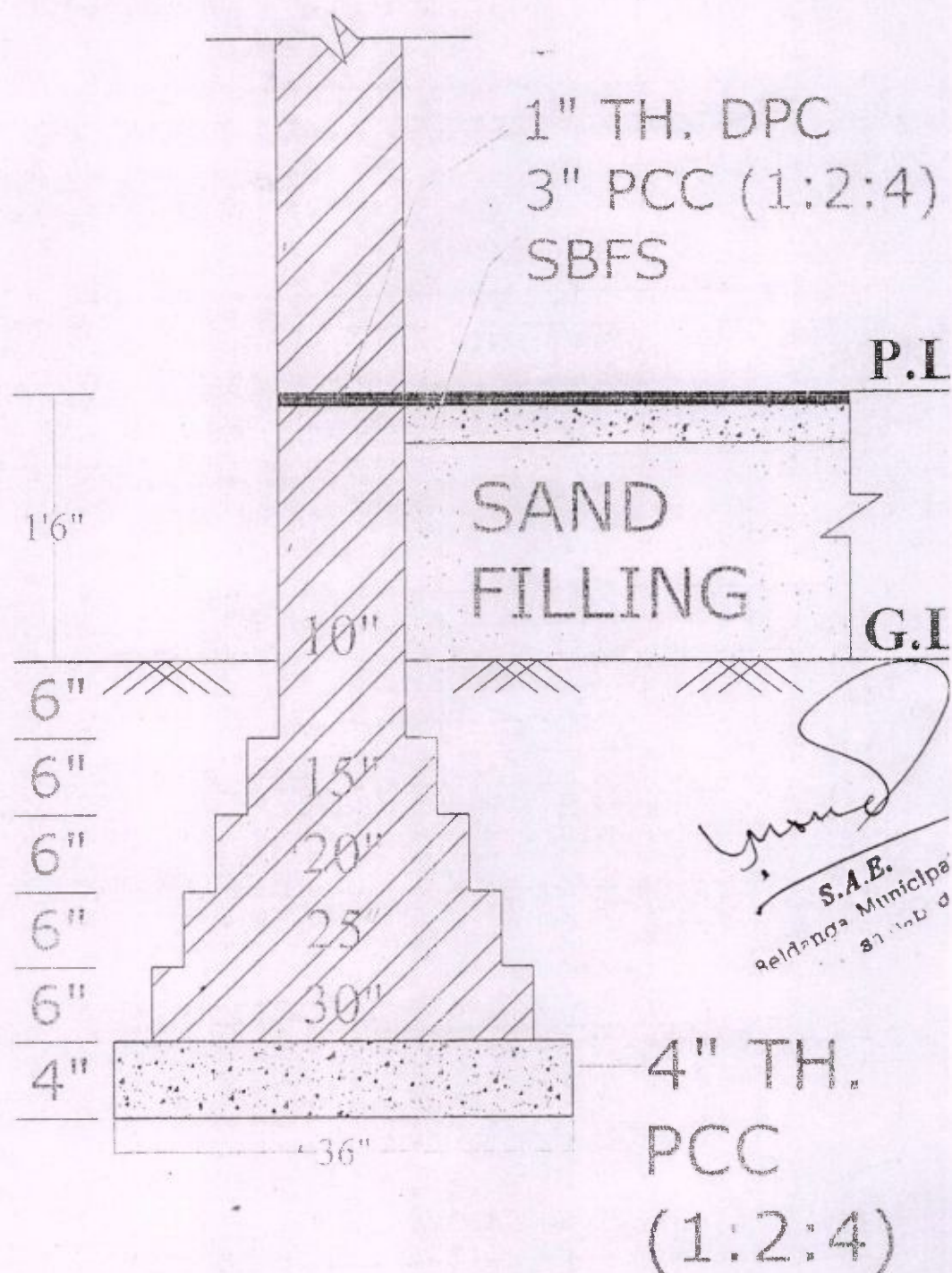




# PLAN OF P.T.AT SSK, WARD NO -4



*S.A.B.*  
S.A.B.  
Beldanga Municipality  
Murabidabad



*Y. Jones*  
S.A.E.  
Belknap County Municipal  
87-100-0

10 INCH THK. BRICK WALL  
SCALE - 1/8" = 1'-0"



# BELDANGA MUNICIPALITY

ESTIMATE FOR THE CONSTRUCTION OF TOILET BLOCK AT UTTARPARA SSK, WARD - 7

MISSION NIRMAL BANGLA

(WITH ELECTRICAL & PLUMBING WORKS)

SCHEDULE OF RATES: PWD(WB), SCHEDULE OF RATES BUILDING & SANITARY W.E.F 01.01.2017, MURSHIDABAD



SL NO	DESCRIPTIONS OF WORKS	QUANTITY	UNIT	RATE	AMOUNT
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.	8.27	%Cu.m	11927.00	986.67
	SOR, PWD, PAGE-1, ITEM-2.a				
2	(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)	5.74	%Cu.m	<del>71181.00</del> 85173	<del>4085.72</del> 4888.85
	SOR, PWD, PAGE-1, ITEM-4, 5TH CORRIGENDA & ADDENDA				
3	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.	25.58	Sq.M	24.00	613.94
	SOR, PWD, PAGE-47, ITEM-3				
4	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. a) Pakur Variety	2.48	Cu.m	5540.50	13716.62
	SOR, PWD, PAGE-24, ITEM-4, 3RD CORRIGENDA & ADDENDA				
5	Brick work with 1st class bricks in cement mortar (1:6)			5050	2947.50
	(a) In foundation and plinth	5.84	Cu.m	4928.00	28759.07
	SOR, PWD, PAGE-15, ITEM-10.a, 3RD CORRIGENDA & ADDENDA			5273	7813.65
	(b) In superstructure, ground floor	1.39	Cu.m	5151.00	7144.44
	SOR, PWD, PAGE-15, ITEM-10.b, 3RD CORRIGENDA & ADDENDA				
6	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	32.31	Sq.M	677	21872.89
	SOR, PWD, PAGE-16, ITEM-16, 3RD CORRIGENDA & ADDENDA				
7	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	3.32	Cu.m	<del>6088.63</del> 6091.97	<del>20192.64</del> 20203.71
	SOR, PWD, PAGE-16, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
8	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.	0.44	M.T	53888.00	23549.06
	a) For works in foundation and upto roof of ground floor/upto 4 m			60003.00	26221.31
	SOR, PWD, PAGE-1, ITEM-40.a.i, 9TH CORRIGENDA & ADDENDA				



	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)(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	7.69	Sq.M	330	2537.78
	SOR, PWD, PAGE-43,44, ITEM-40.a.i, 3RD CORRIGENDA & ADDENDA				
10	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 b) 20 mm thick plaster	65.92	Sq.M	163	10745.51
	SOR, PWD, PAGE-189, ITEM-1.i.b, 3RD CORRIGENDA & ADDENDA				
	c) 15 mm thick plaster	45.69	Sq.M	142	6487.34
	SOR, PWD, PAGE-189, ITEM-1.i.c, 3RD CORRIGENDA & ADDENDA				
	c) 10 mm thick plaster (1:4)	19.98	Sq.M	127	2537.75
	SOR, PWD, PAGE-189, ITEM-1.ii.c, 3RD CORRIGENDA & ADDENDA				
11	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. (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. b) Area upto 0.09 Sq.m ii) Other than Coloured decorative including white	12.76	Sq.M	695	8865.18
	SOR, PWD, PAGE-64, ITEM-35.A.b.i				
12	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. Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative	32.43	Sq.M	742	24065.29



	SOR, PWD, PAGE-64, ITEM-35.B.b.i	1.33	Qntl	7566	10062.78
	M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge. In ground floor.				
	SOR, PWD, PAGE-105, ITEM-16	5.56	Sq.M	1943	10798.22
14	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.				
	SOR, PWD, PAGE-116, ITEM-7 <sup>125</sup> 15	1.00	Item	45344.00 45983	45344.00 45983.00
15	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 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. (i) For 20 users A) With Pakur variety. (SAIL/TATA/RINL)				



	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	7.18	Sq.M	29	208.28
	SOR, PWD, PAGE-200, ITEM-1.a				
17	(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 : With super gloss (hi-gloss) - Two coats (white in shade)	6.67	Sq.M	77	513.51
	SOR, PWD, PAGE-200, ITEM-2				
18	b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	6.67	Sq.M	38	253.42
	SOR, PWD, PAGE-200, ITEM-1.a				
19	B) Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface b) Two coats	6.67	Sq.M	57	380.13
	SOR, PWD, PAGE-201, ITEM-3				
20	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 specification. In Ground floor: (iii) two Coats	99.75	Sq.M	49	4887.75
	SOR, PWD, PAGE-197, ITEM-15				

TOTAL AMOUNT

Add for Electrical works (5%)

Add for Plumbing works (10%)

*[Signature]*  
S. A. E.  
Beldanga Municipality

Rs 253614.62 248607.97

Rs 12680.73 12430.40

Rs 25361.46 24860.80

291656.83 285899.17

GST12% 34998.82 34307.90

326655.63 320207.07

CESS 1% 3266.56 3202.07

TOTAL 329922.19 323409.14

*[Signature]*  
(BHARAT KUMAR JHAWAR)  
Chairman  
Beldanga Municipality

(Rupees three lakh twenty nine thousand nine hundred twenty two only)

*[Signature]*  
06/02/2020

May be vetted

*[Signature]*  
06/02/2020  
ASSISTANT ENGINEER  
Murshidabad Division, M.E.DTE.  
Dept. of Municipal Affairs  
Govt. of West Bengal

*[Signature]*  
06.02.2020  
EXECUTIVE ENGINEER  
Murshidabad Division  
M.E. Directorate  
Deptt. of Urban Dev. & Municipal Affairs  
Govt. of West Bengal

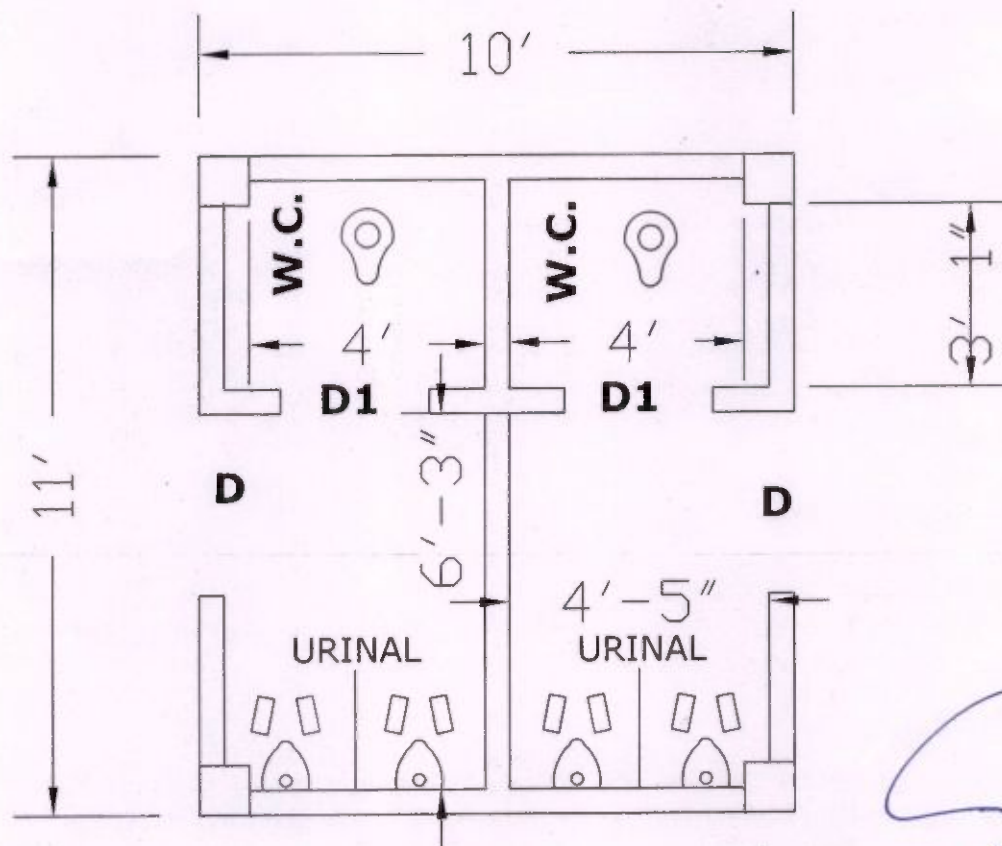
JUNIOR ENGINEER  
Murshidabad Division, M.E.Dte  
Deptt. of Urban Dev. & Municipal Affairs  
Govt. of

**VETTED**

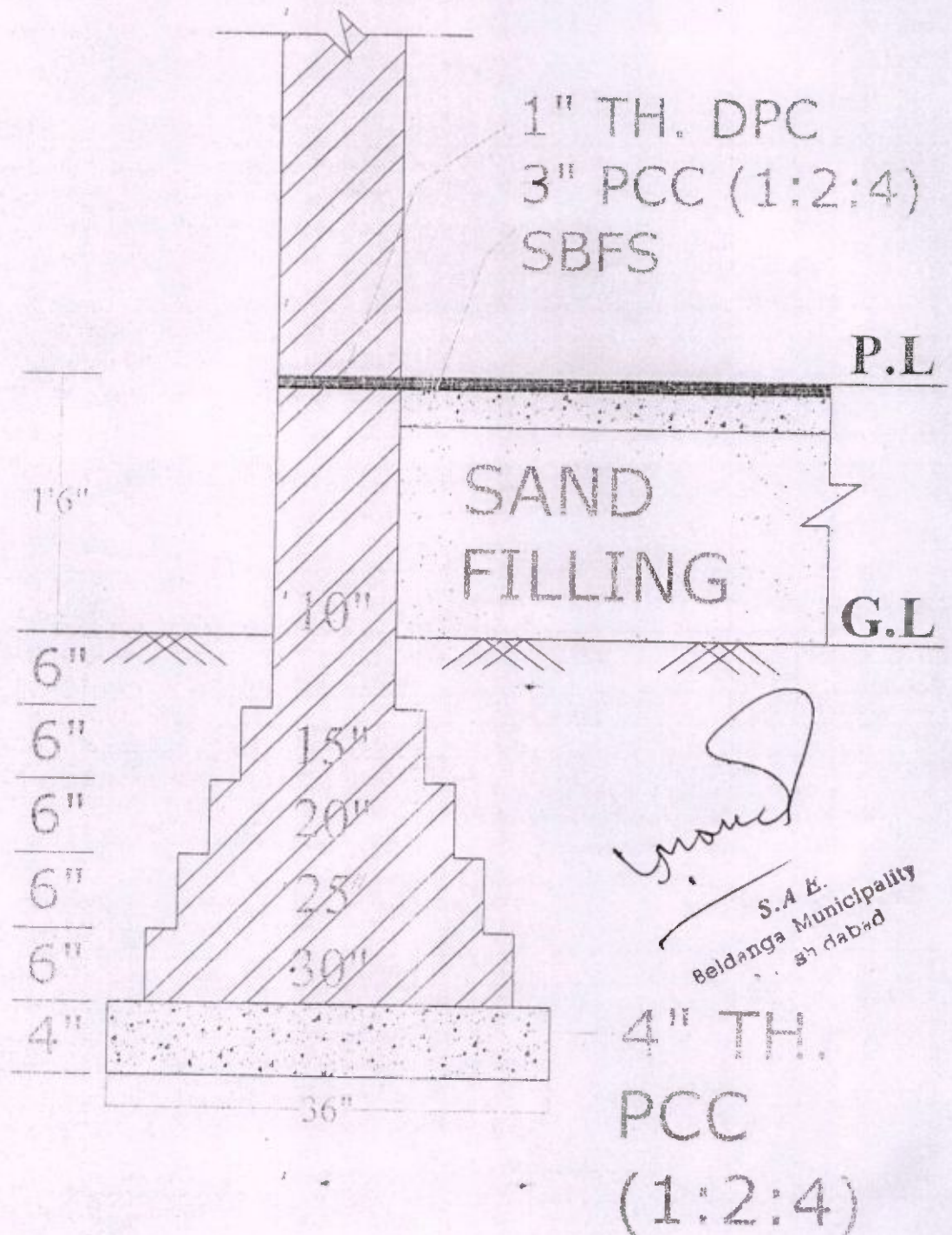




# PLAN OF P.T. OF S.S.K.WARD NO.-7 AT UTTARPARA



*[Signature]*  
S.A.E.  
Beldanga Municipality,  
Murshidabad



10 INCH THK. BRICK WALL  
SCALE = 1:96





# BELDANGA MUNICIPALITY

ESTIMATE FOR THE CONSTRUCTION OF TOILET BLOCK AT SSK OF MADDA ROAD, WARD - 1

MISSION NIRMAL BANGLA

(WITH ELECTRICAL & PLUMBING WORKS)

SCHEDULE OF RATES: PWD(WB), SCHEDULE OF RATES BUILDING & SANITARY W.E.F 01.01.2017, MURSHIDABAD

NO	DESCRIPTIONS OF WORKS	QUANTITY	UNIT	RATE	AMOUNT
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.	8.27	%Cu.m	11927.00	986.67
	SOR, PWD, PAGE-1, ITEM-2.a				
2	(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)	5.74	%Cu.m	<del>71181.00</del> 80173	<del>4085.72</del> 4888.85
	SOR, PWD, PAGE-1, ITEM-4, 5TH CORRIGENDA & ADDENDA				
3	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.	25.58	Sq.M	24.00	613.94
	SOR, PWD, PAGE-47, ITEM-3				
4	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. a) Pakur Variety	2.48	Cu.m	5540.50	13716.62
	SOR, PWD, PAGE-24, ITEM-4, 3RD CORRIGENDA & ADDENDA				
	Brick work with 1st class bricks in cement mortar (1:6)				
	(a) In foundation and plinth	5.84	Cu.m	<del>5050</del> <del>4928.00</del>	<del>29471.04</del> 28759.07
	SOR, PWD, PAGE-15, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
	(b) In superstructure, ground floor	1.39	Cu.m	<del>5273</del> <del>5151.00</del>	<del>7313.65</del> 7144.44
	SOR, PWD, PAGE-15, ITEM-10.b, 3RD CORRIGENDA & ADDENDA				
6	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	32.31	Sq.M	677	21872.89
	SOR, PWD, PAGE-16, ITEM-16, 3RD CORRIGENDA & ADDENDA				
	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	3.32	Cu.m	<del>6091.97</del> <del>6088.63</del>	<del>20203.71</del> 20192.64
	SOR, PWD, PAGE-16, ITEM-10.a, 3RD CORRIGENDA & ADDENDA				
	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.	0.44	M.T	<del>53888.00</del> 60003	<del>23549.08</del> 26221.31
	a) For works in foundation and upto roof of ground floor/upto 4 m				
	SOR, PWD, PAGE-1, ITEM-40.a.i, 9TH CORRIGENDA & ADDENDA				



	fire 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 1.2 (e) for every 4 m or part thereof)(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	7.69	Sq.M	330	2537.78
	SOR, PWD, PAGE-43,44, ITEM-40.a.i, 3RD CORRIGENDA & ADDENDA				
10	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 b) 20 mm thick plaster	65.92	Sq.M	163	10745.51
	SOR, PWD, PAGE-189, ITEM-1.i.b, 3RD CORRIGENDA & ADDENDA				
	c) 15 mm thick plaster	45.69	Sq.M	142	6487.34
	SOR, PWD, PAGE-189, ITEM-1.i.c, 3RD CORRIGENDA & ADDENDA				
	c) 10 mm thick plaster (1:4)	19.98	Sq.M	127	2537.75
	SOR, PWD, PAGE-189, ITEM-1.ii.c, 3RD CORRIGENDA & ADDENDA				
11	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. (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. b) Area upto 0.09 Sq.m ii) Other than Coloured decorative including white	12.76	Sq.M	695	8865.18
	SOR, PWD, PAGE-64, ITEM-35.A.b.i				
12	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 With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative	32.43	Sq.M	742	24065.29
	SOR, PWD, PAGE-64, ITEM-35.B.b.i				



	M.S. gate of Jail type as per approved design made of strong M.S. frame work, intermediate stiffeners and round / square bars or angles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in-charge. In ground floor.	1.33	Qntl	7566	10062.78
	SOR, PWD, PAGE-105, ITEM-16				
14	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th. x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.	5.56	Sq.M	1943	10798.22
	SOR, PWD, PAGE-116, ITEM-7				
15	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 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. (i) For 20 users A) With Pakur variety. (SAIL/TATA/RINL)	1.00	Item	45344.00 45983	45344.00 45983
16	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	7.18	Sq.M	29	208.28
	SOR, PWD, PAGE-200, ITEM-1.a				



	(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 : With super gloss (hi-gloss) - Two coats (white in shade)	6.67	Sq.M	77	513.51
	SOR, PWD, PAGE-200, ITEM-2				
18	b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	6.67	Sq.M	38	253.42
	SOR, PWD, PAGE-200, ITEM-1.a				
19	B) Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface :b) Two coats	6.67	Sq.M	57	380.13
	SOR, PWD, PAGE-201, ITEM-3				
20	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 specification. In Ground floor: (iii) two Coats	99.75	Sq.M	49	4887.75
	SOR, PWD, PAGE-197, ITEM-15				

TOTAL AMOUNT

Add for Electrical works (5%)

Add for Plumbing works (10%)

Rs 253614.62 248607.97

Rs 12686.73 12430.40

Rs 25361.46 24860.80

291656.81 285899.17

GST12% 34098.82 34307.90

326655.63 320207.07

CESS 1% 3266.56 3202.07

TOTAL 329922.19 323409.14

S. A. E.  
Beldanga Municipality

(BHARAT KUMAR JHAWAR)  
Chairman  
Beldanga Municipality

Budip Bhattacharya  
06/02/2020  
JUNIOR ENGINEER  
Murshidabad  
Deptt. of Municipal Affairs

May be vetted

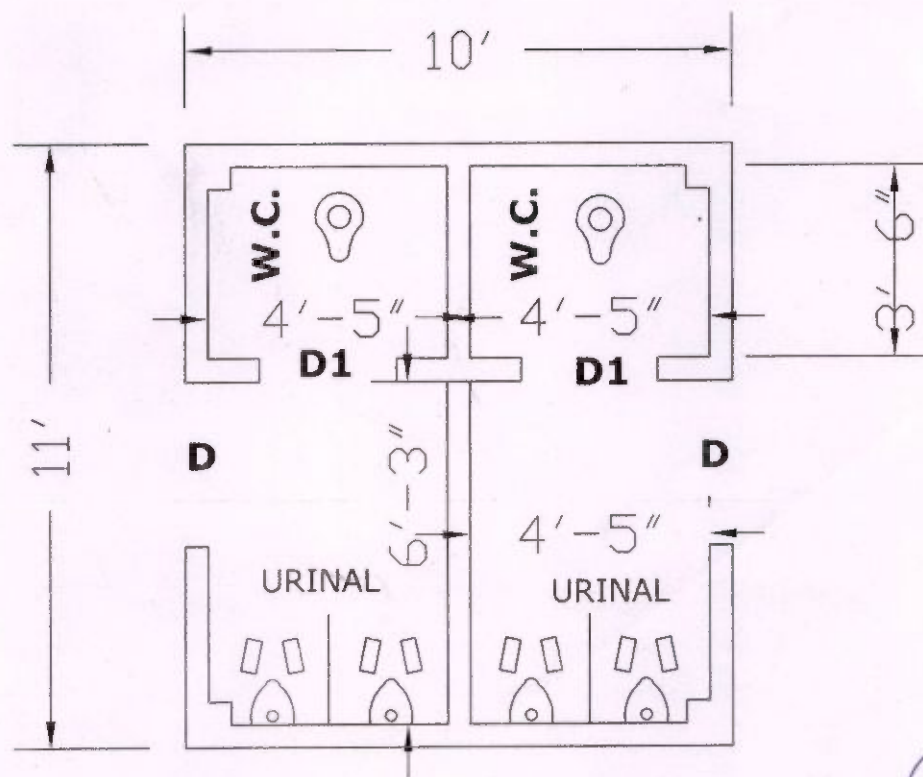
06/02/2020  
ASSISTANT ENGINEER  
Murshidabad Division, M.E.DTE.  
Dept. of Municipal Affairs  
Govt. of West Bengal

Vetted  
06.02.2020  
EXECUTIVE ENGINEER  
Murshidabad Division  
M.E. Directorate  
Municipal Affairs  
Govt. of West Bengal

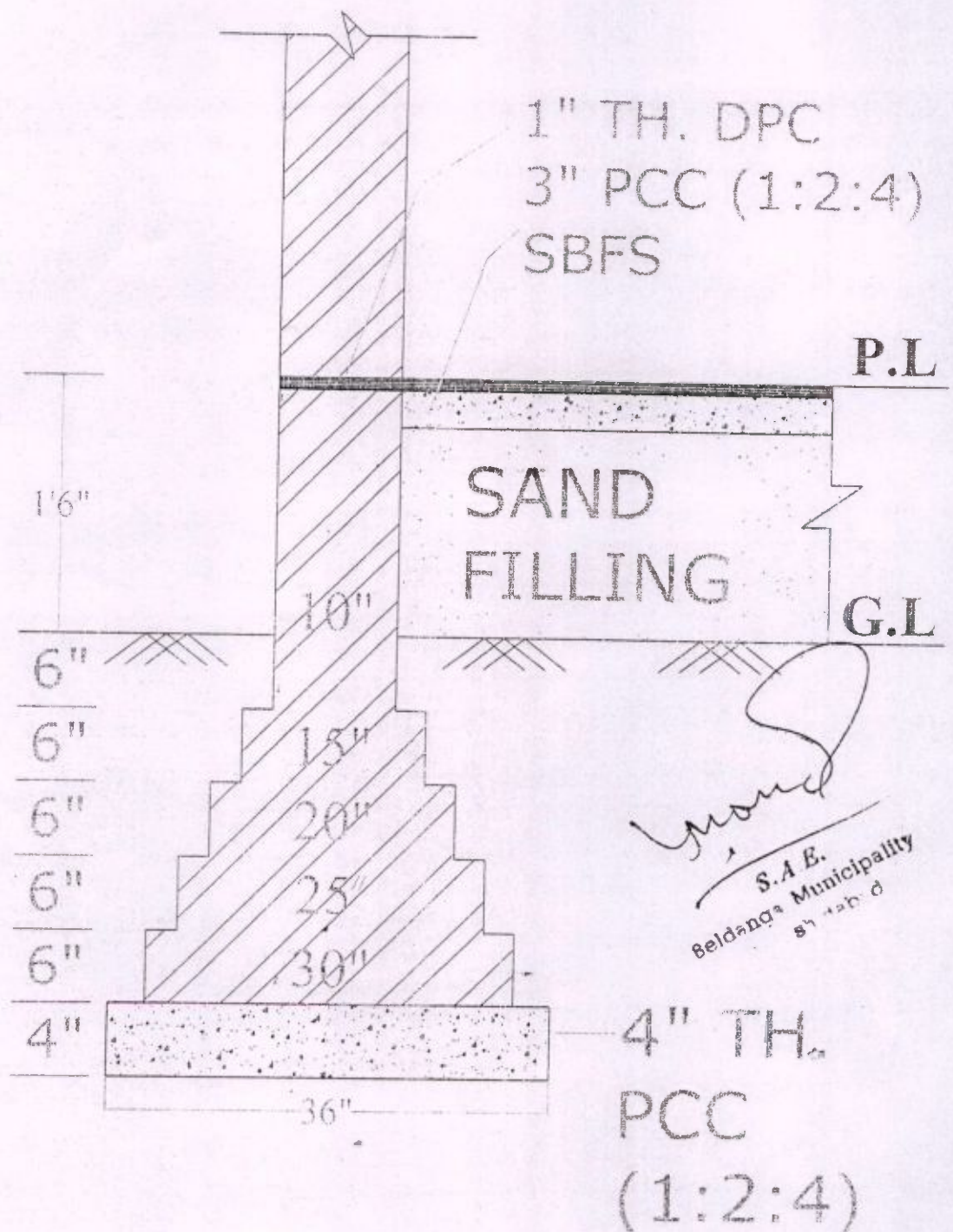




# PLAN OF P.T. OF S.S.K.WARD NO.-13 AT MADDAR ROAD



*[Signature]*  
S.A.E.  
Beldanga Municipality  
Murshidabad



10 INCH THK. BRICK WALL