

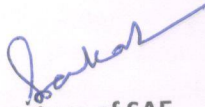
CONSTRUCTION OF PUBLIC TOILET BLOCK AT MAHA RANA PRATAB PARK , RATNESWAR GHAT ROAD  
 AND NO 05 UNDER GARULIA MUNICIPALITY. ( MODEL NO - G ) TOILET SEATS -4 NOS AND URINAL  
 NOS

T-B

MODEL NO - G TOILET SEATS -4 NOS AND URINAL- 5 NOS

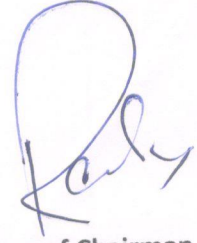
SL. NO.	ITEM DESCRIPTION & ITEM NO.	QUANTITY	RATE	UNIT	AMMOUNT (IN RS.)
1	Standard plastic dustbin (12 lits)	3 ✓	350.00 ✓	Each ✓	1050.00 ✓
2	Installation of Sinage	1 ✓	2071.00 ✓	Each ✓	2071.00 ✓
3	Air freshner ( Pack of 4 nos )	9 ✓	216.00 ✓	Each ✓	1944.00 ✓
4	Air freshner ( Napthaline 250 gm )	5 ✓	210.00 ✓	Each ✓	1050.00 ✓
5	Supplying paper Napkin	5 ✓	50.00 ✓	Each ✓	250.00 ✓
6	Supplying Sanitary Napkin ( Whisper or similar make 50 pcs )	4 ✓	520.00 ✓	Each ✓	2080.00 ✓
7	Harpic ( Blue 500 ml )	4 ✓	300.00 ✓	Each ✓	1200.00 ✓
8	Harpic ( Red 500 ml )	4 ✓	150.00 ✓	Each ✓	600.00 ✓
9	Gala double lip floor wiper	4 ✓	350.00 ✓	Each ✓	1400.00 ✓
10	Colin glass or surface cleaner	2 ✓	200.00 ✓	Lit ✓	400.00 ✓
11	Muriatic Acid	2 ✓	145.00 ✓	Lit ✓	290.00 ✓
12	Bleaching powder	4 ✓	120.00 ✓	Kg ✓	480.00 ✓
13	Dettol,lifebuy or similar make liquid soap	6 ✓	140.00 ✓	Lit ✓	840.00 ✓
14	Rubber hand Gloves	5 ✓	80.00 ✓	Pair ✓	400.00 ✓
15	Double Side plastic brush	5 ✓	125.00 ✓	Each ✓	625.00 ✓
16	Plastic Broom	4 ✓	170.00 ✓	Each ✓	680.00 ✓
17	Signage ACP Base & reflective vinyl. ( E 8 )	1 ✓	3776.00 ✓	Each ✓	3776.00 ✓
18	SMS / any other ICT based feedback system ( with number displayed on which SMS has to be sent )	1 ✓	5000.00 ✓	Each ✓	5000.00 ✓
19	Glow sign board Name and contact details of the following are displayed prominently - Toilet identification number, name of ULB under whose jurisdiction toilet is covered, ward number and maintenance authority prominently displayed for each toilet block Supervisor, Supervisor's agency and area Sanitary Inspector.	1 ✓	5000.00 ✓	Each ✓	5000.00 ✓
20	Mini Tulu Pump	1 ✓	4000.00 ✓	Each ✓	4000.00 ✓

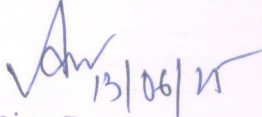
	Supplying and fixing sinage with fixing stand post for public toilet for visible to passersby.	2 ✓	1000.00 ✓	Each ✓	2000.00 ✓
	Supplying roaster /register for keeping account of regular cleanig.	1 ✓	200.00 ✓	Each ✓	200.00 ✓
23	Lettering on toilet wall for display of name and contact details of ULB, Ward number and name of maintainance authority, sanitary, etc	1 ✓	1000.00 ✓	Each ✓	1000.00 ✓
				Rs.	36336.00 ✓
				Total Rs.	36336.00 ✓
				Say Rs.	36336.00 ✓

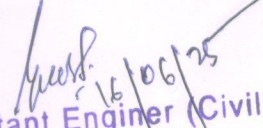
  
 Signature of SAE  
 Garulia Municipality  
 Sub-Assistant Engineer  
 Garulia Municipality

Excess expenditure if any from approved cost should be born by ULB

Necessary NOC should be taken from respective land owner for public use of CT/PT

  
 Signature of Chairman  
 Garulia Municipality  
 Chairman  
 Garulia Municipality

  
 13/06/25  
 Junior Engineer (Civil)  
 North 24 Parganas Division  
 Municipal Engineering Directorate  
 Deptt. of U.D. & M.A.  
 Government of West Bengal

  
 16/06/25  
 Assistant Engineer (Civil)  
 North 24 Parganas Division  
 Municipal Engineering Directorate  
 Deptt. of U.D. & M.A.  
 Government of West Bengal

**VETTED**

Executive Engineer  
 North 24 Parganas Division  
 Municipal Engineering Directorate  
 Deptt. of U.D. & M.A.  
 Government of West Bengal

Measurement Sheet

**DETAILS ESIMATE COST OF CONSTRUCTION OF PUBLIC TOILET (CIVIL WORK)  
BLOCK AT MAHA RANA PRATAB PARK ,RATNESWAR GHAT ROAD ,WARD NO 05 UNDER  
GARULIA MUNICIPALITY. ( MODEL NO - G ) TOILET SEATS -4 NOS AND URINAL- 5 NOS  
PART-A**

SL. NO	Item Description & Item No.	Quantity	Rate	Unit	Ammount
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm. PWD Building Works schedule Page - 1, Item -2.a COLM. $3 \times 2 \times 1.20 \times 1.20 \times 1.00 = 8.64 \text{ M3}$ partition wall $1 \times 1.00 \times 0.375 \times 0.150 = 0.056 \text{ m3}$	8.696 ✓	119.27 ✓	Cu.m ✓	1037.17 ✓
2	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work). (a) With earth obtained from excavation of foundation. PWD Building Works schedule, Page - 1, Item -3.a	1.739 ✓	77.54 ✓	Cum ✓	134.86 ✓
3	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) PWD Building Works schedule, Page - 2, Item -4.a $1 \times 4.6 \times 4.05 \times 0.425 = 7.917 \text{ m3}$ Less beam - $1 \times 0.25 \times 0.425 \times 4.05 = 0.430$ Total sand filling = $7.917 - 0.43 = 7.487$	7.487 ✓	936.21 ✓	Cum ✓	7009.40 ✓
4	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. PWD Building Works schedule, Page- 14, Item - 1 ( Corri. Page-01, Date-04-06-2018) $3 \times 2 \times 1.20 \times 1.20 = 8.64 \text{ m2}$ $2 \times 2.50 \times 0.375 = 1.88 \text{ m2}$ $1 \times 1.00 \times 0.375 = 0.375 \text{ m2}$ $2 \times 1.50 \times 1.00 = 3.00 \text{ m2}$ $1 \times 4.6 \times 4.05 = 18.63 \text{ m2}$	32.525 ✓	361.00 ✓	Sqm ✓	11741.53 ✓

SL. NO	Item Description & Item No.	Quantity	Rate	Unit	Amount
5	<p>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.</p> <p>a) Pakur Variety /Chandil Variety</p> <p>PWD Building Works schedule, p-26 Item 10 a (Rate Analysis)</p> <p><math>2 \times 3 \times 1.20 \times 1.20 \times 0.150 = 1.296 \text{ m}^3</math></p> <p><math>2 \times 3 \times (1.20 \times 1.20) + (0.250 \times 0.250) / 2 \times 0.150 = 0.676 \text{ m}^3</math></p> <p><math>2 \times 3 \times 0.250 \times 0.250 \times 3.90 = 1.463 \text{ m}^3</math></p> <p><math>1 \times 2 \times 2.50 \times 0.250 \times 0.250 = 0.312 \text{ m}^3</math></p> <p><math>2 \times 1.85 \times 0.25 \times 0.25 = 0.231 \text{ m}^3</math></p> <p><math>3 \times 4.00 \times 0.250 \times 0.250 = 0.750 \text{ m}^3</math></p> <p><math>2 \times 2 \times 2.525 \times 0.250 \times 0.150 = 0.379 \text{ m}^3</math></p> <p><math>3 \times 3.00 \times 0.250 \times 0.150 = 0.338 \text{ m}^3</math></p> <p><math>1 \times 5.1 \times 4.55 \times 0.125 = 2.90 \text{ m}^3</math></p>	8.345 ✓	5765.59 ✓	Cum ✓	48113.85 ✓
6	<p>Cement concrete with graded jhama khoa (30 mm size) excluding shuttering in ground floor and foundation. (a) 1:3:6 proportion. PWD Building Works schedule, Page - 23, Item -B.1.a, ( Corri. Page- 09, Date-04-06-2018)</p> <p>Rate Analysis1 ( Corri. Page-01, Date-04-06-2018)</p> <p><math>37.10 \times 0.100 = 3.71 \text{ M}^3</math></p>	3.710 ✓	4630.25 ✓	m3 ✓	17178.23 ✓
7	<p>25mm. thick damp proof course with cement concrete with stone chips (1:1.5:3) [with graded stone aggregate 10 mm nominal size] and admixture of water proofing compound as per manufacturer's specification followed by two coat of polymer based paint, (1st coat after 4 to 5 days of concrete laying and 2 nd coat just before brick masonry work) as directed (cost of water proofing compound &amp; polymer based paint to be paid separately). (Chequering not required over concrete or painted surface). [Note:</p> <p>- Waterproofing as per item 9, polymer based paint as per item 8</p> <p>(a) of subhead C of Section (C).</p> <p>PWD Building Works schedule, Page -47, Item -1 (Rate Analysis)</p> <p><math>2 \times 5.10 \times 0.250 = 2.55 \text{ m}^2</math></p> <p><math>3 \times 4.55 \times 0.250 = 3.41 \text{ m}^2</math></p>	5.96 ✓	266.01 ✓	Sqm ✓	1585.42 ✓
8	<p>125 mm brick work with 1st class bricks in cement mortar ( 1:4) in ground floor.</p> <p>PWD Building Works schedule, Page -16, Item-16, cori page -3, date -04.06.2018 (Rate Analysis)</p> <p><math>5 \times 1.20 \times 3.00 = 18.00 \text{ m}^2</math></p> <p><math>3 \times 1.00 \times 3.00 = 9.00 \text{ m}^2</math></p>	27.00 ✓	728.53 ✓	Sq.M. ✓	19670.31 ✓

SL. NO	Item Description & Item No.	Quantity	Rate	Unit	Amount
9	Supplying and laying polythine sheet ( 150 gm/sq.m ) over dampproof course or below flooring or roof terracing or foundation or foundation trenches. PWD Building Works schedule, Page -47, Item-3	23.21 ✓	24.00 ✓	Sq.M. ✓	557.04 ✓
10	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (f) 25 mm to 30 mm shuttering without staging in foundation PWD Building Works schedule, Page -42, Item- 36.f $2 \times 2 \times 5.10 \times 0.250 = 5.10 \text{ m}^2$ $3 \times 2 \times 4.55 \times 0.25 = 6.83 \text{ m}^2$ $6 \times 4 \times 1.20 \times 0.150 = 4.32 \text{ m}^2$	16.25 ✓	209.00 ✓	Sqm ✓	3396.25 ✓
11	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge. PWD Building Works schedule, Page -42, Item- 36.a $1 \times 5.10 \times 4.55 = 23.21 \text{ m}^2$ $2(5.10 + 4.55) \times 0.125 = 2.41 \text{ m}^2$ $6(.30 + .025) \times 3.00 = 9.90 \text{ m}^2$ $2 \times 2 \times 5.1 \times 0.1250 = 3.825 \text{ m}^2$ $3 \times 2 \times 4.55 \times 0.125 = 3.41 \text{ m}^2$	42.75 ✓	335.00 ✓	Sqm ✓	14321.25 ✓
12	Artificial stone in floor ,dado,staircaseetc with cement mortar (1:2:4)with stone chips Isied in panels as directed with topping made with ordinary or white cement (as necessary) and marbel dust in proportion (1:2) in cluding smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/ sq.m all complete including all materials and labour. In ground floor 3 mm thick topping using gray cement (ii)25 mm PWD Building Works schedule, p-48 Item 6(ii) $5.10 \times 4.55 = 23.21 \text{ m}^2$	23.21 ✓	266.01 ✓	Sq.m ✓	6174.09 ✓

SL. NO	Item Description & Item No.	Quantity	Rate	Unit	Amount
13	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. (a) For works in foundation and upto roof of ground floor/upto 4 m. (i) Tor steel/Mild Steel , JSPL/SWAYN/ELETR/STEEL PWD Building Works schedule, Page - 43, Item - 40.a.i.1( Corri. 10th Page-01, Date-23-01-2020) (Rate Analysis) Item no , 1.2% of Volume of concrete	0.786	54947.27	M.T.	43188.55
14	Collapsible gate with 40 mm x 10 mm x 6 mm Tee as top and bottom guide rail , 20 mm x 10 mm x 2 mm vertical channels 100 mm apart in fullt stretched position 20m x 5 mm MS flats as collapsible bracings properly reveted and washered including 38 mm steel roller including locking arrangements , fitted and fixed in position with lugs set in cement concrete including cutting necessary hikes chasing etc in walls , floors etc and making good all damages . PWD Building Works schedule, Page -106, Item- .18 $2 \times 1.00 \times 2.10 = 4.20 \text{ m}^2$	4.20	4330.00	Sqm	18186.00
15	Brick work with 1st class bricks in cement mortar (1:4) (a) Foundation and plinth ground floor PWD Building Works schedule, Page -15, Item-7.a (Rate Analysis) $2 \times 5.10 \times 0.250 \times 0.600 = 1.53 \text{ m}^3$ $3 \times 4.550 \times 0.250 \times 0.600 = 1.2.048 \text{ m}^3$ $2 \times 2.50 \times 0.250 \times 0.600 = 0.750 \text{ M}^3$ $2 \times 1.00 \times 0.500 \times 0.300 = 0.300 \text{ M}^3$	3.785	5614.17	Cu.m	21249.63
16	Brick work with 1st class bricks in cement mortar (1:4) (b) superstructure ground floor PWD Building Works schedule, Page -15, Item-7.b (Rate Analysis) $2 \times 5.10 \times 0.250 \times 3.00 = 7.65 \text{ m}^3$ $3 \times 4.55 \times 0.250 \times 3.00 = 10.238 \text{ m}^3$	17.89	5837.17	Cu.m	104426.97
17	Labour for Chipping of concrete surface before taking up Plastering work. PWD Building Works schedule, P-192, It-1	23.21	21.00	Sqm	487.41
18	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (i) With 1:6 cement mortar (c) 15 mm thick plaster PWD Building Works schedule, P-189 It- No. 1 (Rate Analysis) $2( 5.1 + 4.55 ) \times 3.75 = 72.388 \text{ m}^2$ $2( 5.10 + 4.55 ) \times 3.00 = 57.90 \text{ m}^2$ $3 \times 2 \times 1.00 \times 3.00 = 18.00 \text{ m}^2$ $5 \times 2 \times 1.20 \times 3.00 = 36.00 \text{ m}^2$	184.29	148.55	Sqm	27376.28