

**CONSTRUCTION OF TOILET BLOCK INCLUDING SANITARY & PLUMBING WORKS AT LAND CUSTOM STATION (LCS)
FULBARI, DIST. JALPAIGURI**

SL. NO.	DESCRIPTION OF ITEMS	QUANTITY	RATE RS. P.	UNIT	AMOUNT RS. P.
1	Earth work In excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite and sand stone), including removing spreading or stacking the spoils within a lead of 75 metre as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out waters as required complete. a) Depth of excavation not exceeding 1. 5 meter,	65.00	7377.04	%Cu.M.	4795.08
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, a) With earth obtained from excavation of foundation.	40.00	4759.52	%Cu.M.	1903.81
3	Filling in foundation or plinth by silver Sand filling in layers not exceeding 150 mm as directed, and consolidating the same by through saturation with water and ramming complete, including the cost of supply of sand.	25.00	40451.50	%Cu.M.	10112.88
4	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand including cost sand and earth.	125.00	237.87	SQM	29733.75
5	Cement concrete with graded stone shingles (30 mm. down) excluding shuttering. a) 6:3:1 proportion. a) 6:3:1 proportion.	18.00	3072.25	Cu.M.	55300.50
7	Ordinary Mix M -20 (mix. 3 : 1.5 : 1) with graded stone chips (20mm down) excluding shuttering and reinforcement, if any, as per IS 456 · 2000. a) For foundation and upto Ground Floor roof level	27.00	4522.25	Cu.M.	122100.75

(ii) River bazree

- 8 Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels, curved or straight including fitting, fixing and striking out after completion of work.

(f) 25mm to 30mm shuttering without staging In foundation etc. 55.00 163.52 SQM 8993.60

(a) 25m to 37 mm thick wooden shuttering

a) Upto Ground Floor roof level 190.00 257.57 SQM 48938.30

- 9 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 intersection,complete as per drawing and direction

For M.S. Bar / Tor Steel

a) Upto Ground Floor roof level upto 4m 2.50 55954.40 MT 139886.00

- 10 1st class Brick work in cement mortar (6: 1) including cost of scaffolding and other incidental work etc. complete.

i) in foundation and plinth 12.00 3763.40 Cu.M. 45160.80

ii) In superstructure .

a) Ground floor 8.00 3911.39 Cu.M. 31291.12

- 11 125 mm. Thick brick work in cement mortar (4 : 1) with approved H, B. netting in every 2nd layer.

a) In Ground Floor. 145.00 520.79 SQM 75514.55

12	<p>Plaster (to wall, floor, etc.) with sand and cement mortar including rounding off or chamfering corners, as directed and racking out joints roughening of concrete surface including chipping and application of cement slurry where necessary etc.complete.</p> <p>ii) With 4 . l cement mortar.</p> <p>b) 15 mm thick plaster.</p> <p>a) In Ground Floor.</p> <p>ii) 10 mm thick plaster.</p> <p>a) In Ground Floor.</p>	390.00	119.03	SQM	46421.70
		55.00	92.92	SQM	5110.60
13	<p>Artificial stone In floor, dado, staircase etc. with ement concrete 4 : 2 : 1 laid in pannels as directed, with toppings made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners including racking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/Sq mt all complete including all materials and loabor.</p> <p>ii) 25 mm thick artificial stone</p> <p>a) In Ground Floor.</p>	20.00	217.70	SQM	4354.00
14	<p>18 to 22 mm. Thick Kota stone slab set in cement mortar(4:1) in floor stair and lobby including pointing in cement slurry with admixture of pigment matcing the stone shed including grinding and polishing as per direction of Engineer-in-charge,</p> <p>a) In Ground Floor.</p>	70.00	957.30	SQM	67011.00
15	<p>Supplying, Fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work & 4 os of key stones (10 mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with coloring oxide if required to match the color of tiles including roughening of concretesurface, if necessay or by synthetic adhesive and grout materials etc. A) Floor With sand cement mortar (4:1 ratio) 20 mm thick and 2 mm thick cemet slurry at back side of tiles using cement @ 2.91 Kg/Sq mt and joint filling using white cement slurry @ 0.20 kg/sq mt. (ii) Coloured decorative</p>				

		120.00	703.15	SQM	84378.00
16	<p>Supplying fitting and fixing windows and ventilators with or without integrated grills conforming to I.S.1038-1975 and manufactured from rolled steel sections conforming to I.S. 7452-1974 with non friction projecting type,box type hinges, glazing clips, lugs locking brackets,handle plate etc.including hoisting in position,streightening if required,fixing lugs in cement concrete(1:2:4) with stone chips 20 mm down cutting holes and mending dood damages to match with existing surface cmplete in all respect excludind giazing.</p> <p>b) Openable steel windows as per I.S. sizes with side hunge shutters with top hunge shutters and horizontal glazing bars as per drawing at any level.</p> <p>a) In Ground Floor.</p>	15.00	1532.17	SQM	22982.55
17	<p>(Viii) M.S. integrated grill as per approved design integrated with steel window or ventilators joints continuously welded with M.S.flats and bars. (Mode of measurement as per PWD Schedule of that circle),</p> <p>For all floors</p>	15.00	50.44	KG	756.60
18	<p>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. lfats as collapsible bracings properly revelled 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. iwalls, floors etc. and making good damages complete.</p>	3	6238.77	SQM	18716.31

19 Supplying fitting and fixing factory made PVC door frame of size frame of size 50 mm X 47 mm with a wall thickness of 5 mm, made of extruded 5 mm, P.V.C. sheet miter cut at two corners and joint with two nos. of 1.5 mm long brackets of 15 mm X 15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mm X 19 mm M.S. square tube of 19 gauge, weather shield to be provided through out the frame. The door shall be fixed with the wall using 65 - 100 long M.S. screw through the frame by using PVC fasteners. A minimum of 4 Nos. of screws to be provided for each vertical member and minimum two no for horizontals etc. complete as per direction of Engg-in charge

30 335.97 M 10079.10

20 Supplying fitting and fixing P.V.C door shutter of approved quality & shade in position the style & rail of the P.V.C door shutter will be made of rigid P.V.C multicavity hollow chamber of 59 mm X 30 mm section with 2.0 wall thickness. Horizontal and vertical section shall be fixed by self tapping screws and one solid polymeric / MS galvanized tubular 'L' shaped bracket 100 mm, x 200 mm. in each corner of the shutter frame for placing hinges. Polymer based multicavity hollow section of 120 mm x 30 mm with 2.0 mm wall thickness will be placed in the middle, reinforced by solid polymer bar of 200 mm long at both ends and screws from both sides as lock rail. The section frame will then be fitted in by PVC panels of size 100 mm X 25 mm with wall thickness 1.2 mm and 2 nos. of 6 mm dia bright rod will be inserted horizontally with both side check and nut system and stretchers where fixing of hinges / hasp bolt / tower bolt / door ring are required to be strong enough to withstand wear and tear. The rate is inclusive of cost of all materials, labor, and hire of tools and plant and appliances. Carriage of all materials

20.00 1892.31 SQM 37846.20

21 Painting with best quality synthetic enamel paint of approved make and brand including smoothing surface by sand papering etc. including using of approved putty etc on the surface if necessary for all floors.

On timber or plastered surface With super gloss (Hi-Gloss)

	(ii) Two coats (with any shade except white and black)	20.00	57.87	SQM	1157.40
22	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surface by sand papering etc.	20.00	23.13	SQM	462.60
23	Protective and decorative textured exterior high class mat finished paint of approved quality, composed of special thermo plastic resin containing fine crystalline additives derived from granite as per Engg-in charge to be applied over acrylic primer as required. The rate includes cost of materials, labor, scaffolding and all incidental charges but excluding the cost of primer	104.00	92.21	SQM	9589.84
24	White washing including cleaning and smoothing surface thoroughly Three coats (on new work only) for all floors	240	1262.5	%SQM	3030.00
25	(ii) Supplying fitting and fixing UPVC pipes A type and fittings conforming to I.S.13592 / 1992 with all necessary specials, 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 jointing with jointing materials (Spun yarn, valmold / bitumen / M. Seal etc.) complete. (Payment to be made on length of pipes only) a) 110 mm diameter.	25.00	260.48	M	6512.00
26	Supplying, fitting and fixing of G.I. Pipes of TATA make with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder, bat 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.)				

	i) 15mm dia medium quality	48.00	194.00	M	9,312.00
	ii) 25mm dia medium quality	20.00	300.00	M	6,000.00
	iii) 40mm dia medium quality	12.00	399.00	M	4,788.00
27	Supplying, fitting fixing brass ferrule including connection of GI pipes of TATA make of following dia and upto 450 mm long with screw, jamnut, sockets etc. complete in all repect, including cutting trenche 10 mm dia	1.00	525.15	each	525.15
28	(iX) Supplying fitting and fixing Peet's valve full way gunmetal standard pattern best quality of approved brand bearing I.S.I.Marking with fittingsmade supplied fitted and fixed. Tested to 21 Kg/cm2. a) 15 mm b) 25 mm c) 40 mm	2.00 4.00 3.00	505.00 926.00 1800.00	EACH EACH EACH	1,010.00 3,704.00 5,400.00
29	Supplying, PVC water storage tank of approved quality with closed top with lid (Black) Multilayer. c) 1500 litre capacity.	2.00	5991.00	EACH	11982.00
30	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C. 1. brackets on 75mm x 75mm wooden blocks, C P. waste fittings of 32mm dia,one approved quality brass C.P pillar cock of 15mm dia. C.P.chain with rubber Plug of 30mm dia, approved quality P.V.C waste pipe with C.P. nut 32mm dia, 900mm 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 paints ii) 550mm x 400mm size	6.00	2038.00	EACH	12,228.00

31	Supplying, fitting and fixing Cast Iron Soil pipe only conforming to IS 3989-1970 and IS 1729-1964 with bobbins nails etc,including making holes in the wall, floor etc. and cutting trenches etc. in any soil or in any floor through masonry,cement concrete if necessary, and mending good the damages with necessary jointing materials and painting two coats to the exposed surface with approved paint complete (Measurement will be made along the center line of the total pipe line in fitted condition including specials, payment for specials and painting however be paidseparetely).				
	a) With valamoid jointsluding sealing with sand cement mortar (4:1) upto quarter depth.				
	ii) 100mm dia (internal)	20.00	712.00	M	14240.00
32	Supplying, fitting and fixing cast Iron 'P' or 'S' trap conforming to IS:3989/1970 and 1726/1964 including lead caulked joints and painting two coats to the exposed surface 'P'Trap				
	i) 100mm dia	10.00	764.00	EACH	7640.00
33	Supplying, fitting and fixing Cast iron extension pipes for using in traps only (connector) IS 3989/1970 and IS: 1729/1964 including lead caulked joints and painting two coats to the exposed surface complete				
	iii) 1 00mm x 300mm	15.00	502.00	EACH	7530.00
	v) 1 00mm x 450mm	15.00	586.00	EACH	8790.00
34	Supplying, fitting and fixing with cement jointing (3 : 1) salt glazed stone ware pipe including excavation of earth upto 1.50m depth in all sorts of soil both mixed or unmixed and refilling (but excluding concreting at bottom and sides).				
	iii) 150 mm dia	50.00	300.00	M	15000.00
35	Suppling, 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) 580mm x 440m	6.00	1660.00	EACH	9960.00

36	Supplying, fitting and fixing 10 litre Porcelain low-down Cistern of approved make with either side or bottom inlet, side over flow, brackets complete with all internal PVC fittings. White.	6.00	2181.00	EACH	13086.00
37	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 concrete will be paid separately). 450mm x 350mm	2.00	1049.00	EACH	2098.00
38	Supplying, fitting and fixing Half round channel with or without outlet as required set in cement concrete (6:3:1) with jhama chips complete. Payment of concrete will be paid separately). (b) White Vitreous chinaware (ii) 600 mm x 150mm	20.00	546.00	M	10920.00
39	Supplying, fitting and fixing Flat Back Urinal (Half stall Urinal) in white glazed vitreous china ware of approved make in position complete with brass Screw 75mm x 75mm x 75mm wooden blocks complete (i) 590mm x 390mm x 380mm	5.00	2937.00	EACH	14685.00
40	Supplying, fitting, fixing urinal flush pipe fitting of approved brand (a) CP urinal flush pipe fittings range of one.	5.00	448.00	EACH	2240.00
41	Supplying, fitting and fixing porcelain partition wall of approved make of size 618 mm X 310 mm complete in all respects.	4.00	1246.00	EACH	4984.00

42 Constructing Inspection pit of inside measurement 600mm x 600mm x upto 600mm (depth) with 250mm thick I st 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 20mm 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 100mm thick R.C.C. slab (4:2 1) with stone chips and necessary reinforcement upto 1% and shuttering including 6mm thick cement plaster (4:1) in all external surfaces of the slab and one 560 mm dia R.C.C. cover of approved make supplied, fitted and fixed in the slab with necessary fittings, necessary earth work in excavation in all sorts of soil, filling sides of the pit with earth and removing spoils after work complete in all respects.

4.00 5420.50 EACH 21682.00

43 Construction of septic tank of different capacities as per approved drawing with ist class brick work in cement mortar (4:1) including two 560 mm dia R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed. in 100 mm thick RCC top slab with necessary fittings, 20 mm 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 RCC 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 and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tank 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 proo

@ 5 % by weight of cement, complete in all respects as per direction of Engineer - In - Charge,

b) For 50 users

1.00 68173.18 EACH 68173.18

- 44 Construction circular soak well 2.5 mtr deep in all types of soils with dry brick work upto 1.6 mtr from the bottom having 150 mm intermediate cement brick works (4 : 1) band all round and cement brick works (4 : 1) upto 0.90 m from top with 20 mm thick cement plastering (4 : 1) to inside face upto the depth of cement brick work 15 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 mtr of inside of the well with brick metal (50 mm to 63mm size) including R.C.C. cover slab of 100 mm thick 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 connection, 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 250mm thick dry brick work and 250mm thick cement brick work 6 1 and 1.00 m inside dia.

1.00 12259.54 EACH 12259.54

TOTAL

1160375.90

(Rs. Eleven lac sixty thousand three hundred and seventy six only)
