

Name of work :- Construction of Community Toilet near house of Kabir SK at Islampur, Plot No-1072, Khatian No - 3659, JL No- 019, Mouza - Chhotkalia in Ward No- 11 Within Jangipur Municipality.

As Per PWD Building Schedule of Rate - w.e.f. 01.11.2017 (Volume - I incorporation of GST Act,2017 & all addenda & corrigenda of SOR, 01.12.2015 for Building Works)

Estimate					Annexure - 01				
Sl. No.	Description of Item	No	Length (m)	Breadth (m)	Height (m)	Quantity	Unit	Rate (Rs)	Amunt (Rs)
1	Page No - 1, Item No - 2 (a) 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. Depth of excavation not exceeding 1,500 mm.					= 6.00	m3	₹ 119.27	₹ 715.62
2	Page No - 1, Item No - 3 (a) 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.					= 4.49	m3	₹ 77.54	₹ 348.15
3	Page No - 14, Item No - 1 Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level					= 19.45	m2	₹ 326.00	₹ 6,340.70
4	Page No - 34, Item No - 22(a) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (1:3:6) proportion					= 1.61	m3	₹ 5,061.44	₹ 8,148.92
5	Page No - 16, Item No - 17 125 mm. thick brick work with 1st class bricks in cement mortar (1:3) in G.F					= 53.26	m2	₹ 669.56	₹ 35,660.77
6	Page No - 43, Item No - 36(a) 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 (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. In Ground Floor					= 64.84	m2	₹ 330.00	₹ 21,397.20

7 Page No - 24, Item No - 4(a) 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	=	6.89	m3	₹ 5,480.21	₹ 37,758.65
8 Page No - 43, Item No - 40(a),(i),(II) 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 For works in foundation, basement and upto roof of ground Tor steel/Mild Steel, JSW/JSPL/BMASL/SHYAM/SRMB/ELECTROSTEEL/SSL	=	0.68	M.T	₹ 55,366.22	₹ 37,649.03
9 Page No - 189, Item No - 1 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]					
a) 10 mm thick plaster With 1:4 cement mortar	=	15.32	m2	₹ 124.71	₹ 1,910.56
b) 15 mm thk. Plaster (1:6) Out Side	=	47.74	m2	₹ 139.71	₹ 6,669.76
c) 20 mm thk. Plaster (1:6) inside Side	=	55.56	m2	₹ 159.57	₹ 8,865.71
10 Page No - 104, Item No - 13.ii (a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor. ii) Grill weighing above 16 Kg./sq.mtr and above	=	10.08	kg	₹ 98.88	₹ 996.71
11 Page No - 107, Item No - 20 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 bracings 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	=	3.78	m2	₹ 4,330.00	₹ 16,367.40
12 Page No - 200, Item No - 1,b Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	=	118.62	m2	₹ 38.00	₹ 4,507.56

13 Page No - 197, Item No - 17 (c)	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer.	In Ground floor (Two Coat).	Normal Acrylic Emulsion.	=	118.62	m2	₹ 67.00	₹ 7,947.54
14 Page No - 200, Item No - 1(a)	a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc	=	4.41	m2	₹ 29.00	₹ 127.89		
15 Page No - 200, Item No - 2,A(b,iv)	(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	(iv) Two coats (with any shade except white)	=	4.41	m2	₹ 79.00	₹ 348.39
16 Page No - 117, Item No - 08	Supplying fitting and fixing in position approved P.V.C. door frame (Matt finish) made of extruded P.V.C. multichamber hollow section having dimensions 60mm x 50mm x 2mm (+/-0.2mm), horizontal section will be joined with vertical section by galvanised steel screws after inserting two number steel brackets as reinforcement making suitable space for placing hinges, one steel tube 40mm x 20mm x 1.20 mm 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 P.V.C. expandable fastner/wooden gutties and galvanised 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	=	19.20	m2	₹ 279.00	₹ 5,356.80		

17 Page No - 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 5mm 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.

= 5.04 m² ₹ 1,943.00 ₹ 9,792.72

18 Page No - 64, Item No - 35

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.

a) Area of each tile upto 0.09 Sq.m

(i) Coloured decorative

In Ground Floor

= 8.25 m² ₹ 742.00 ₹ 6,121.50

19 Page No - 64, Item No - 35

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

= 38.09 m2 ₹ 746.00 ₹ 28,415.14

20 Page No - 56, Item No - 25

Supplying, fitting, fixing marble slab/tiles, 15 mm. to 18 mm. thick in dado / wall in 15 mm thick [avg] cement mortar (1:2) including making suitable arrangements to hold the stones properly by brass / copper hooks applying white cement slurry @ 4.4 kg/ sq.m at the back side of marble & pointing in cement mortar (1:2) (1 cement, 2 marble dust) with admixture of pigment matching the stone shades including polishing all complete as per direction of the Engineer-in-charge

= 0.54 m2 ₹ 1,800.00 ₹ 972.00

20 (Pg-12, It no- 19 S&P)

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, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately)

(a) For Exposed Work PVC Pipes 15 mm

= 30.00 m ₹ 101.00 ₹ 3,030.00

b) For Exposed Work PVC Pipes 20mm

= 21.17 m ₹ 129.00 ₹ 2,730.93

c) For Exposed Work PVC Pipes 25mm

= 12.00 m ₹ 177.00 ₹ 2,124.00

d) For Exposed Work PVC Pipes 32mm

= 8.00 m ₹ 236.00 ₹ 1,888.00

21 Page No - 79, Item No - 4, (S & P) 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 (i) 530 mm X 410 mm	= 4.00	Each	₹ 1,522.00	₹	6,088.00
22 Page No - 36, Item No - 1, (S & P) Supplying, fitting and fixing 10 litre porcelain low-down cistern of approved make with either side or bottom inlet, side overflow, brackets complete with all internal PVC fittings.	= 4.00	Each	₹ 2,297.00	₹	9,188.00
23 Page No - 41, Item No - 1, (S & P) 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. (iii) 630 mm X 450 mm size	= 3.00	Each	₹ 2,435.00	₹	7,305.00
24 Page No - 80, Item No - 6, (S & P) Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete. (i) 635 mm X 395 mm X 420 mm	= 3.00	Each	₹ 2,869.00	₹	8,607.00
25 Page No - 80, Item No - 6, (S & P) 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	= 2.00	Each	₹ 881.00	₹	1,762.00
26 Pg-5, It no-7 (S & P) Supplying, fitting and fixing bib cock or stop cock. (b) (i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar	= 10.00	Each	₹ 493.00	₹	4,930.00
27 Page No - 06, Item No - 07, (S & P) Supplying, fitting and fixing bib cock or stop cock. (ii) Polythene Bib Cock / Stop Cock with plastic inlet (EMCO / ATLAS or equivalent) i) 15 mm	= 10.00	Each	₹ 89.00	₹	890.00
28 Page No - 05, Item No - 05, (S & P) Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). (vii) 25 mm dia	= 2.00	Each	₹ 778.00	₹	1,556.00
29 Page No - 45, Item No - 19, (S & P) Supplying, fitting and fixing pillar cock of approved make. a) (ii) CP Pillar Cock Super Deluxe with Aerator - 15 mm. (Equivalent to Code No. 508 & Model No. Tropical / Sumthing Special of ESSCO or similar brand).	= 3.00	Each	₹ 592.00	₹	1,776.00

30 Page No - 36, Item No - 06, (S & P)

Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer.

(b) 1000 litre capacity

= 1.00 Each ₹ 5,128.00 ₹ 5,128.00

31 Page No - 36, Item No - 10, (S & P)

Labour for hoisting plastic water storage tank.

(i) Upto 1500 litre capacity.

(a) Upto 1st story from G.L.

= 1.00 Each ₹ 96.00 ₹ 96.00

32 Page No - 88, Item No - 03, (S & 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, 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

(ii) For 10 users

A) With Pakur variety.

(JSW/JSPL/SHYAM/SRMB/BMASL/ELECTROSTEEL/SSL)

= 1.00 Each ₹ 34,534.00 ₹ 34,534.00

33 Page No - 89, Item No - 04, (S & P)

Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size) including R.C.C. cover slab of 100 mm thick with cement conc (1:1.5:3) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia.

(Other than SAIL/TATA/RINL)

(JSW/JSPL/SHYAM/SRMB/BMASL/ELECTROSTEEL/SSL).

= 1.00 Each ₹ 15,535.00 ₹ 15,535.00

34 Page No - 66, Item No - 16, (S & P)

Supplying, fitting and fixing with cement jointing (3:1) salt glazed stoneware pipe including excavation of earth upto 1.50 metre depth in all sorts of soil both mixed or unmixed and refilling (but excluding concreting at bottom and sides). 100 mm

= 15.00 m ₹ 294.00 ₹ 4,410.00

35 Page No - 67, Item No - 17, (S & P)

Supplying, fitting and fixing with cement jointing (3:1) with jute gasket soaked in cement mortar.

a) Stoneware bend 100mm

= 6.00 m ₹ 309.00 ₹ 1,854.00

36 Page No - 67, Item No - 17, (S & P)

Supplying, fitting and fixing with cement jointing (3:1) with jute gasket soaked in cement mortar.

b) Stoneware single T or Y junction

= 4.00 m ₹ 282.00 ₹ 1,128.00

37 Page No - 60, Item No - 09, (S & P)

Supplying, fitting & fixing approved patent vent cowl I.C.I. conforming to I.S.S and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid separately).

(i) 100 mm dia.

= 2.00 Each ₹ 367.00 ₹ 734.00

38 Page No - 49, Item No - 01, (S & P)

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 50 mm gap in between the outside of the tubewell pipe and the bore.

(i) 40 mm dia. boring etc.

= 25.50 m ₹ 90.00 ₹ 2,295.00

39 Page No - 68, Item No - 23, (S & P)

supplying of pvc pipes & fitting (medium duty) conforming to ASTM-D-1775 & threaded as per IS 1239 part-I
a) 40 mm dia

= 22.50 m ₹ 292.00 ₹ 6,570.00

40 Page No - 52, Item No - 05, (S & P)

Supplying high density polythene strainer of approved make with adapter conforming to I.S. specifications
(i) 40 mm dia.

= 3.00 m ₹ 376.00 ₹ 1,128.00

41 Supplying, fitting & fixing 1HP Pump Make :KSB, PERI, BIOC-1

= 1.00 No ₹ 6,695.85 ₹ 6,695.85

Total = ₹ 3,78,401.50
Add 9.0 % CGST = ₹ 34,056.14
Add 9.0 % SGST = ₹ 34,056.14
Total = ₹ 4,46,513.78
Add Cess 1% = Rs. ₹ 4,465.14
Add Contingency 3% = Rs. ₹ 13,395.41
Grand Total ₹ 4,64,374.33
Say ₹ 4,64,374.00

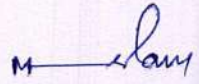
(Rupees Four Lakh Sixty Four Thousand Three Hundred Seventy Four) Only.


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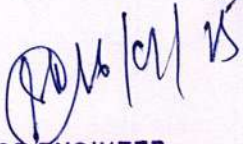
Jangipur Municipality



Assistant Engineer
Jangipur Municipality

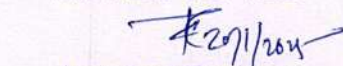


Chairman
Jangipur Municipality




JUNIOR ENGINEER
Jangipur Sub-Division
M.E. Directorate
Deptt. of Urban Dev. & Municipal Affairs
Govt. of West Bengal

MAY BE VETTED


Assistant Engineer
Jangipur Sub-Division
M.E. Dte., UD & MA Deptt
Govt. of West Bengal

VETTED


EXECUTIVE ENGINEER
Murshidabad Division
M.E. Dte., UD & ME Deptt.
Govt. of West Bengal