

CHAMPDANY MUNICIPALITY

o/c.

DETAILS OF ESTIMATE

Rate followed PWD (W.B.) Schedule, of rates-2017 & Corrigenda

Name of work:- ESTIMATE FOR CONSTRUCTION OF COMMUNITY TOILET
IN FRONT OF CHAMPDANY MUNICIPAL MARKET IN WARD-NO.18.

Sl. no	Discription	Area Of Content	Rate	Per	Amount
1	2	3	4	5	6
1	Earthwork in excavation of foundation trenches in all sorts of soil (including mixed soil but excluding laterite and stone) including removing, spreading or stacking the soil within a lead of 75M or 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 1500 mm. Page-No.1, It.No.2(a)	6.301 5.90	11927.00	/%Cum.	751.52 703.69
2	Earthwork in filling in foundation trenches with excavated earth in layer not exceeding 150mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) Page-No.3, It.No.3(a) 1/5 th of item no-1	1.260	7754.00	/%Cum.	97.70 97.72
3	Filling in foundation or, plinth by Silver Sand in layers not exceeding 150mm 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 measurment of finished quantity). Page-No.5, It.No.4(a)	3.712	95183.00 71181.00	/%Cum.	3533.19 2624 2642.24
4	Single Brick Flat Soling of picked jhama bricks including dressing and ramming bed to proper level and filling joints with powdered earth or local sand. Page-No.33, It.No.1	35.624 22.45	357.00	/Sqm	12717.77 8014.65
5	Cement concrete with graded jhama Khoa(30mm size) excluding shuttering. In ground floor and foundation (1:3:6) Page-No.33, It.No.4(a)	0.486	4783.42 4647.01	/Cum.	2324.74 2258.45
6	Ordinary grade Cement concrete mix (3:1/2:1) with with graded stone chips(20mm size) excluding shuttering and Page-No.39, It.No.7(ii)	6.354	5563.57 5867.69	/Cum.	35350.92 37,283.30
7	Reinforcement for R.C.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. (JSM/JSP/L/SHYAM/ELECTROSTEEL/SSC) a) For works in foundation, basement and upto roof of ground Page-No.65, It.No.15(a) (1.00% of item No-6) 1.00/100x7850x6.354	0.4988	54400.74 54375.54	M/T.	27135.09 27122.52

	and labours charges for shuttering with centering and necessary staging upto 4m using approved stout props and thick hard wood planks and approved thickness with required brassing for concrete slabs beams and columns.lintels curved,or straight including fitting fixing and sticking out after completion of work(upto roof of ground floor) (when the height of a particular floor is more then 4m.the equivalent floor height shll be taken as 4m and extra for works beyond the lintel 4m ht.shall be allowed under 12(e) for every 4m or part there of)	61.963	334.00	/Sqm	20695.64
	Page-No.61, No.12(a)				
9	a) 25 to 30mm th.wooden shuttering as per decision and Brick work with First class bricks in cement mortar (6:1) (4:1) (Page-69, It. No.22(a),22(b) Bldg.Schedule	1.63 1.927	5491.93 5246.67	/Cum.	8951.25 40110.33
	a) In foundation and plinth				
10	12.5 Cm. Thick 1st class brick work in cement mortar (4:1) Page-No.73, It.No.29	41.633	714.56 714.46	/Sqm	29749.28 29745.11
11	Supplying fitting & fixing in position approved type P.V.C.door frame of any shade including cost of all materials and labour, hire charges of tools and appliances, carriage of all materials, taxes and all other incidental charges complete. but the rate is exclusive of cost of hinges, hasp bolt tower bolt, door ring etc in ground floor. (Matt finish) made of extruded P.V.C. and all other identical changes.	9.900	279.00	/Mtr.	2762.10
	Page-No.139, It.No.154(a) 117, It No-8				
12	Supplying fitting & fixing in position approved type P.V.C.door shutter of any shade including cost of all materials and labour, hire charges of tools and appliances, carriage of all materials, taxes and all other incidental charges complete. but the rate is exclusive of cost of hinges, hasp bolt tower bolt, door ring etc in ground floor. Solid panel from P.V.C. 30mm thick Single leaf Shutter with 10mm thick panel.	2.925	2907.00	/Sqm	8502.98
	(Page-140, It.No.155(a) 129, 20-9)				
13	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.	1.350	1663.00	/Sqm	2245.05
	b) Openable steel windows as per IS sizes with side hung shutters and horizontal glazing bars with/without fixed type ventilators. [The extra rate admissible for the openable portion only].				
	(Page-81, It.No.33, (b) Bldg.Schedule				
14	i) M.S. or W.I. Ornamental Grill as per approved design joints continuously welded with M.S. and W.I. flats and bars of windows realling etc. fitting and fixing with necessary screws and lugs in ground floor (@ of 1.00% for each additional floor upto 4th floor and @ 1.25% for each floor above 4th floor) Grill weighing above 10Kg./Sqm. and upto 16kg./Sqm. SOR, PWD, 3rd Corrigenda, P-91, I-10 Grill weighing 16 kg/Sqm.	0.562	9888.00	/Qntl.	5557.06

	Applying best Indian sheet glass panes set in putty and fitted and fixed with nails and putty complete. (In all floors for internal wall & upto 6 m height for external wall) (i) 3mm thick (Page-166, It. No.1 Bldg.Schedule)	1.350	779.00 477.00	/Sqm	1051.65 643.95
16	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and racking out joints including throting, nosing and drip coarse, scaffolding-staging where necessary.(Gr.Floor).(Excluding cost of chipping over concrete surface) (Page-319, It. No.2,(i) (b) & © & (ii) (c) Bldg.Schedule)				7752.15
	(A)20mm th.plaster with 6:1 cement mortar in Outside wall	47.685	162.57 162.70	/Sqm	7758.35
	(B) 15mm th.plaster with 6:1 cement mortar(Inside)	62.580	141.71 141.52	/Sqm	8856.32 8863.21
	(C) 10mm th.plaster with 4:1 cement mortar	13.845	126.71 126.53	/Sqm	1751.81 1754.30
17	Neat Cement Punning about 1.5mm th.in wall,dado>window,sills,flower,drain.etc. Note:-Cement 0.152 Cum./100Sqm (Page-323, It. No- 8) Bldg.Schedule	7.625	34.00 32.85	/Sqmi	259.25 250.48
18	18 mm. to 22 mm. thick, kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer - in - charge to match with the existing work. [Slurry for bedding @ 4.4 kg/Sq.m and pointing @2.0 kg/Sq.m] (Page-54, It. No.17 Bldg.Schedule)	16.245	1010.00 1015.00	/Sqm	16407.45 16489.69
19	Supplying fitting fixing 1st quality ceramic tiles in wall floor etc.with cement sand mortar slurry at - - - (WALL) Area of each tiles upto 0.09 Sqm.Coloured decorative. (Page-56, It. No- 30,B,(a),i Bldg.Schedule)	50.580	800.00 1041.00	Sq.M.	40464.00 52653.78
20	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC. (Two coats on new surface only) (Page-158, It. No- 15,(b) Bldg.Schedule) Same area as item-No.16(A)	44.920	48.99 15.10	%Sq.M.	2200.63 2025.89
21	Protective and decorative acrylic exterior emulsion paint of approved quality,as per manufacturer's specification and as per direction of EIC to be applied over acrylic primer as required.The rate includes of materials,labour,scaffoldingand all incidental charges but excluding the cost of primer. (Page-159, It. No- 19 Bldg.Schedule) Same area as item No.16(A)	44.920	73.00 67.00	%Sq.M.	3279.16 3009.64
22	Applying Interior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC. (Two coats. P-200, It- 1(b)) Priming one coat on timber on plaster surface with Synthetic oil bound primer.	30.705	47.98 38.00	%Sq.M.	1473.25 1166.79

	Area as item No.16,B & C -18 & 19				
	Synthetic Distemper to Interior Wall of approved quality,as per manufacturer's specification and as per direction of EIC to be applied over acrylic primer as required.The rate includes of materials,labour,scaffoldingand all incidental charges but excluding the cost of primer. (Page-157, It No-11 Bldg.Schedule P-200, It-2-q-iv	30.705	73.00 81-70	%Sq.M.	2241.77 2487.11
	Same area as item No.				
				Total Rs.	247272.53
SANITARY AND PLUMBING WORKS					
24	Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc. a) With 'P' trap (with vent)	2.00	3104.00	Each	6208.00
25	Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete .(b) Anglo Indian (i) Plastic (hallow type) White PWD S&P Schedule, page-81,item no 10.b.i	2.00	485.00	Each	970.00
26	Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete (ii) 470 mm X 280 mm X 340 mm PWD S&P Schedule, page.80,Item no-6/(ii)	4.00	945.00	Each	3780.00
27	Supplying fitting and fixing squatting plate with integrated flushing in white vitreous set in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately) (I) 450 mm x 350 mm	3.00	881.00	each	2643.00
28	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete,C.I. brackets including two coats of painting to bracket etc. PWD S&P Schedule, Page No.-36 Item No.-2,	2.00	1015.00	Nos	2030.00
29	Supplying,fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i) Polythene Flush Pipe PWD S&P Schedule, Page no 81. Item no. 11(i)	4.00	155.00	Each	620.00
30	Supplying, fitting and fixing urinal flush pipe fittings of approved brand. (a) C.P. urinal flush pipe fittings range of one PWD S&P Schedule, S.P.81,item-12/a	4.00	414.00	Each	1656.00
31	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., mending good all damages and painting the brackets with two coats of approved paint. (ii) 550 mm X 400 mm size PWD S&P Schedule, P-41, It 2 (ii)	2.00	2208.00	Each	4416.00
32	Supplying fitting and fixing pedestal of approved make for wash basin (White) PWD S&P Schedule, P-41, It 3	1.00	1497.00	Each	1497.00
33	Supplying,fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia., (iii) 600 mm long PWD S&P Schedule, Page No.-43 Item No.-9-iii	2.00	107.00	Each	214.00
34	Supplying,fitting and fixing approved brand 32 mm dia.P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. (iv) 1050 mm long each PWD S&P Schedule, Page No.-43 Item No. 10-iv	2.00	91.00	Each	182.00

	Shower(Health Faucet) with 1mtr Flexible Tube with Wall (Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	5.00	1251.00	Each	6255.00
	PWD S&P Schedule, Page No.-3 Item No.- 3 f,				
36	(a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand). PWD S&P Schedule, Page No.-6 Item No.-7-a-i	5.00	539.00	Each	2695.00
37	(b) (i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar PWD S&P Schedule, Page No.-6 Item No.-7-b-i	5.00	493.00	Each	2465.00
38	Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand). PWD S&P Schedule, Page No.-6 Item No.-7-d-i,	5.00	815.00	Each	4075.00
39	Supplying, fitting and fixing pillar cock of approved make. a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical / Sumthing Special of ESSCO or similar brand). (P. No. - 45, Item. No. - 19(a)i, Pwd Sanitary Plumbing Schedule 2017)	2.00	555.00	Each	1110.00
40	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, 25 mm Page No.-12 Item No.-19-i(a), PWD,VOL-II, 2017-18	18.00	177.00	Mtr	3186.00
41	(a) (a) For Exposed Work PVC Pipes, 15 mm Page No.-12 Item No.-19-i(a), PWD,VOL-II, 2017-18	6.00	101.00	Mtr	606.00
42	(b) For Concealed Work PVC Pipes, 15 mm Page No.-12 Item No.-19-i(b), PWD,VOL-II, 2017-18	6.00	137.00	Mtr	822.00
43	Supplying and fitting fixing of gunmetal wheel valve of approved brand and make tested to 21 Kg per sq. cm. 25 mm dia(E5) PWD S&P Schedule, P-5 It-5,vii),	1.00	778.00	Each	778.00
44	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (b) 1000 litre capacity PWD S&P Schedule, page.37,item no-6 (b)	1.00	5128.00	Each	5128.00
45	Labour for hoisting plastic water storage tank. (i) Upto 1500 litre capacity. (a) Upto 1st story from G.L. PWD S&P Schedule, page.37,item no-10 (i)(a)	1.00	96.00	Each	96.00
46	Labour for punching hole in plastic water storage tank upto 50 mm dia. PWD S&P Schedule, (P. No. - 38, Item. No. - 13	2.00	19.00	Each	38.00
47	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592- 1992.(A) (i) Single Socketed 3 Meter Length, (b) 110 mm PWD S&P Schedule, Page No.-68 Item No. 23,(A)(i)(b)	22.00	292.00	Mtr	6424.00
48	(B) Fittings (i) Coupler, (b) 110 mm	6.00	85.00	Each	510.00
49	(ii) Plain Tee, (b) 110 mm	7.00	85.00	Each	595.00
50	(iii) Door Tee, (b) 110 mm	7.00	195.00	Each	1365.00
51	ix) Bend 45°, (b) 110 mm	7.00	89.00	Each	623.00
52	xi) Door Bend (T.S.), (b) 110 mm	4.00	147.00	Each	588.00
53	xvi) Pipe Clip, (b) 110 mm	22.00	21.00	Each	462.00

	C. Connector (150 mm long) 125 X 110(W/WC Ring) 75 mm	2.00	142.00	Each	284.00
	(xi) Plain Floor Trap with Top tile & Strainer 75 mm	7.00	144.00	Each	1008.00
	(L) Rubber Ring, (b) 110 mm	10.00	17.00	Each	170.00
57	(C) Rubber Lubricant 500 ML	1.00	187.00	500 ML	187.00
58	(D) Solvent Cement 250 ML	1.00	103.00	250 ML	103.00
59	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in total pipeline including specials. (B) Under ground, (ii) 110 mm dia. PWD S&P Schedule, (P. - 74, Item. No. - 24 (B)	17.00	84.00	Mtr	1428.00
60	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. A) UPVC Pipes: (i) 75 mm. Dia. (P. - 212, Item. No. - 21 (A)(i) , (B),(c),(i) & (B), (d),(i), Pwd volume- i, 2017)	22.00	188.00	Mtr	4136.00
61	B) UPVC Fittings: c) Bend 87.5 degree (i) 75 mm. Dia.	4.00	84.00	Mtr	336.00
62	B) UPVC Fittings: d) Shoe (i) 75 mm. Dia.	1.00	78.00	Mtr	78.00
63	Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and out-side walls upto G.L. and 20 mm.thick (1:4) plaster to bottom of the pit, providing necessary invert with cement concrete (1:3:6) with stone chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100 mm thick R.C.C. slab (1:1.5:3) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (1:4) in all external surfaces of the slab and one 560 mm dia. R.C.C. manhole cover of approved make supplied, fitted and fixed in the slab with necessary fittings, necessary earthwork in excavation in all sorts of soil, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials. i) With Pakur variety (Other than SAIL/TATA/RINL). PWD S&P Schedule, S.P.87,Item No-1/(i), 7th Corrigenda Volume ii	2.00	7248.00 7031.00	Each	14496.00 14062.00
64	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. (ii) For 20 users A) With Pakur variety.	1.00	48162.00 47178.00	Each	48162.00 47178.00

65	Construction of circular soak well 2.5 metre deep in all types of sandy soil 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) S.P.89, Item No-4 7th Corrigenda Volume ii	1.00	16621.00 16375.00	Each	16621.00 16375.00
66	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass (ii) 25 mm dia. and 600 mm long PWD S&P Schedule, p No 82 I No- 22 (a)(ii)	2.00	430.00	Each	860.00
67	Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges. (ii) 600 mm X 450 mm PWD S&P Schedule, P-81, It-15(ii)	2.00	484.00	Each	968.00
68	Supplying, fitting and fixing soap holder. (b) Fibre glass Sanitary and plumbing work schedule P-82, It-18(b)	2.00	58.00	Each	406.00 116.00
69	Supplying, fitting and fixing glass shelf with aluminium guard rails. (a) Ordinary type with 5.5 mm sheet glass (i) 450 mm X 125 mm Sanitary and plumbing work schedule P-81, It-16(a)(i)	1.00	341.00	Each	682.00 341.00
			4,03,355.50	Total	399234.53
			Add S.G.S.T. @ 9%		35931.11
			Add C.G.S.T. @ 9%		35931.11
			Total = 4,75,959.50	Cost Of Civil Work	471096.75
			Add L.W.C. @ 1%		4710.97
			4,80,719.10	Total Amount Including Labour, Welfare, Cess.	475807.72
			14,278.80	Add Contingency @3%	14274.23
			4,94,997.90	Total Amount Including Labour, Welfare, Cess. and contingency	490081.95
			Say Rs. = 4,94,998.00	Say Rs.	4,90,082/-

(Rupees - Four lakh ninety four thousand nine hundred eighty eight only).

[Signature]

Assistant Engineer
Champdany Municipality

[Signature]
24/06/25
Junior Engineer (Civil)
Hooghly Division
M.E. Directorate, Deptt. of U.D. & M.A.
Govt. of West Bengal

[Signature]
24/6/25
Assistant Engineer
Hooghly Division, M.E. Div.
Deptt. of U.D. & M.A.
Govt. of West Bengal

[Signature]

Chairman
CHAMPDANY MUNICIPALITY

[Signature]
Executive Engineer
Hooghly Division
M.E. Directorate, Deptt. of U.D. & M.A.
Govt. of West Bengal