

51-10

Civil & Sanitary Work Estimate (A) For Construction of the Community Toilet Block for Rampurhat Girls J.B.Ward											
No. 6 under Rampurhat Municipality, District-Birbhum, during the year of 2024 - 25.											
No. Of seat-Male-(W.C. -1 + Urinal -2) & Female-(W.C. -1 + WC cum Urinal -1)=Total (W.C. -2 & Urinal -3)											
Rate As per PWD Building Works Schedule (Volume 1) With effect from 01.11.2017											
Sl. No.	Item Description & Item No.							Quantity	Rate	Unit	Amount
	Details	Side	No.	L	B	H	QNTY.				
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							14.00	11927.00	%Cum	1669.78
	Column		6	1.200	1.2	0.9	7.780				
	Tie Beam		1	11.65	0.35	0.375	1.530				
	Reservior		1	2.3	1.7	1.2	4.690				
								14.000			
2	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)							23.09	266.00	Sqm	6141.94
	Column		6	1.200	1.2		8.640				
	Tie Beam		1	13.25	0.25		3.310				
	Parti beam		2	1.35	0.125		0.340				
	Floor		1	1.5	1.35		2.030				
	Floor		3	1.2	1.35		4.860				
	Reservior		1	2.3	1.7		3.910				
								23.090			
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. PWD Building Works schedule, Page -47, Item -3							21.75	24.00	Sqm	522.00
	Open Space		1	7.5	1.5		11.250				
	Approch Road		1	7	1.5		10.500				
								21.750			
4	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) Rate Analysis							4.12	4031.20 3970.00	Cum	16607.72 16356.40
	Column		6	1.200	1.2	0.1	0.860				
	Floor		1	1.5	1.35	0.1	0.200				
	Floor		3	1.2	1.35	0.1	0.490				
	Reservior		1	2.3	1.7	0.1	0.390				
	Open Space		1	7.5	1.5	0.1	1.130				
	Approch Road		1	7	1.5	0.1	1.050				
								4.120			

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
5	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 & polymer based paint to be paid separately).(Chequering not required over concrete or painted surface). [Note: - Waterproofing as per item 9, polymer based paint as per item 8 (a) of subhead C of Section (C). PWD Building Works schedule, Page -47, Item -1 (Rate Analysis)	1.68	✓ 173.00	Sqm	✓ 290.64
	1 13.45 0.125 1.680				
6	Brick work with 1st class bricks in cement mortar (1:4) (a) In foundation and plinth PWD Building Works schedule, Page -15, Item-7.a (Rate Analysis)	4.38	4198.06 4480.00	Cum	18387-50 19622.40
	GL 2 PL 1 13.25 0.250 0.450 1.490				
	Front Stair 1 5.725 0.25 0.3 0.430				
	1 5.725 0.25 0.15 0.210				
	Reservior 1 7.5 0.25 1.2 2.250				
	4.380				
7	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor. PWD Building Works schedule, Page - 16, Item - 16 (Corri. Page-03, Date-04-06-2018) (Rate Analysis)	37.63	584.53 592.00	Sqm	21.995-86 22276.96
	Wall 1 15.950 2.375 37.880				
	2 1.350 0.175 0.470				
	Parapet 1 18.300 0.3 5.490				
	Less Door -4 0.750 1.8 -5.400				
	Less Window -6 0.450 0.3 -0.810				
	37.630				
8	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	9.24	✓ 7754.00	%Cum	✓ 716.47
	2/3rd of Earth work 0.66 14.00 9.24				
9	(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	2.46	✓ 57255.00	%Cum	✓ 1408.47
	1 4.975 1.1 0.45 2.46				

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
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	15.46	205.00	Sqm	3169.30
	Foundation	24	1.00		0.15 3.60
	Tie Beam	1	16.25		0.3 4.88
	Inside	1	13.25		0.3 3.98
	Parti beam	4	1.35		0.25 1.35
	Column	24	0.25		0.275 1.65
					15.460
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	44.60	328.00	Sqm	14628.80
	Column	24	0.25		2.375 14.250
	Roof Beam	1	16.25		0.175 2.840
	Roof Beam	1	13.25		0.175 2.320
	Lintel	2	5.725		0.2 2.290
	Lintel btm	4	0.750		0.125 0.380
	slab with b btm	1	6.625	2.65	17.560
	Slab Side	1	18.550		0.125 2.320
	Reservior	1	1.8	1.2	2.160
		1	4		0.12 0.480
					44.600
12	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. a) Pakur Variety /Chandil Variety PWD Building Works schedule, p-26 Item 10 a (Rate Analysis)	6.94	5102.76 4054.00	Cum	35413.15 28134.76
	Colm foot	6	1	1	0.15 0.900
	$6*0.1/3*(1*1+0.3*0.3+1*0.3)=.278$				0.280
	Tool Column	6	0.3	0.3	0.275 0.150
	Column	6	0.25	0.25	2.375 0.890
	Tie Beam	1	14.75	0.25	0.3 1.110
	Parti beam	2	1.6	0.2	0.25 0.160
	Lintel	1	4.975	0.125	0.2 0.120
	Slab Beam	1	14.75	0.25	0.175 0.650
	Slab	1	6.625	2.65	0.125 2.190
	Reservior	1	2.3	1.7	0.125 0.490
					6.940

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/ELETRO/STEEL PWD Building Works schedule, Page - 43, Item - 40.a.i.1(Corri. 10th Page-01, Date-23-01-2020) (Rate Analysis)	0.614	58103.00 54439.67	M.T.	33.425.58 35675.24
	Footing 6 14 0.95 0.617 0.001 0.049				
	Column 6 4 4.175 0.89 0.001 0.089				
	Stirup 6 22 0.850 0.39 0.001 0.044				
	Tie beam 2 4 5.875 1.56 0.001 0.073				
	3 4 1.75 0.89 0.001 0.019				
	Stirup 1 62 1.05 0.39 0.001 0.025				
	PLBeam 2 4 1.75 0.89 0.001 0.012				
	Stirup 2 8 0.750 0.39 0.001 0.005				
	Lintel 1 4 5.725 0.617 0.001 0.014				
	Stirup 1 32 0.650 0.39 0.001 0.008				
	Roof Beam 2 4 5.875 1.56 0.001 0.073				
	3 4 1.75 0.89 0.001 0.019				
	Stirup 1 62 1.05 0.39 0.001 0.025				
	Slab 2 39 2.55 0.39 0.001 0.078				
	less l/3 -1 13 0.850 0.39 0.001 -0.004				
	1 15 6.57 0.39 0.001 0.038				
	less l/3 -1 5 2.19 0.39 0.001 -0.004				
	UGR 1 19 1.65 0.39 0.001 0.012				
	1 14 2.25 0.39 0.001 0.012				
	Lapping 15 1 0.8 1.56 0.001 0.019				
	Lapping 15 1 0.6 0.89 0.001 0.008				
		0.6140			
14	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring..... 25 mm. thick For roofing PWD Building Works schedule, P-48, It-6.ii (Rate Analysis)	37.05	246.00	Sqm	9114.30
	roof 1 6.375 2.4 15.300				
	Open Space 1 7.5 1.5 11.250				
	Approch Road 1 7 1.5 10.500				
		37.050			
15	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m. PWD Building Works schedule, P-192, It. No. 15 (Rate Analysis)	20.45	34.00	Sqm	695.30
	Below Plinth 1 5.725 0.45 2.580				
	2 1.6 0.45 1.440				

Sl. No.	Item Description & Item No.					Quantity	Rate	Unit	Amount
	Reservior	1	6	1.2	7.200				
		2	1.8	1.2	4.320				
		1	2.3	1.7	3.910				
		1	8	0.125	1.000				
					20.450				
16	Labour for Chipping of concrete surface before taking up Plastering work. PWD Building Works schedule, P-192, It-1					56.35	21.00	Sqm	1183.35
	Lintel side	2	5.725	0.2	2.290				
	lintel btm	4	0.750	0.125	0.380				
	Beam	2	15.50	0.175	5.430				
	Beam	1	15.50	0.25	3.880				
	Slab bottom	1	6.625	2.65	17.560				
	Slab side	1	18.550	0.125	2.320				
	For roof treatment	1	6.375	2.4	15.300				
	Reservior	2	1.8	1.2	4.320				
		1	2.3	1.7	3.910				
		1	8	0.12	0.960				
					56.350				
17	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)					61.61	135.00 133.00	Sqm	8317.35 8194.13
	Below plinth	1	8.925	0.45	4.020				
	Outer wall	1	5.725	2.55	14.600				
	Outer wall	1	8.925	0.60	5.360				
	Deduction	-4	0.750	1.95	-5.850				
	Iner Wall	1	5.700	0.75	4.280				
	Iner Wall	3	5.100	0.75	11.480				
	Parapet wall	1	18.55	0.725	13.450				
	Reservior	1	6	1.2	7.200				
		1	1.8	1.2	2.160				
		1	2.3	1.7	3.910				
		1	8	0.125	1.000				
					61.610				
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] (ii) With 1:4 cement mortar (c) 10 mm thick plaster PWD Building Works schedule, P-189 It- No. 1 (ii)(c) (Rate Analysis)					17.56	122.00 121.00	Sqm	2142.32 2124.76
	Slab bottom	1	6.625	2.65	17.560				

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
19	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section 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.. (i) 66mm x 90mm PWD Building Works schedule, P-115, It - 3 (i)	17.40	497.00	Mtr	8647.80
	4 4.35	17.400			
20	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. ii) 25 mm thick P-125, It- 14(ii)	4.61	2581.00	Sqm	11898.41
	4 1.734 0.664	4.610			
21	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws . (vii) 225mm long x 10mm dia. bolt. PWD Building Works schedule, P-144, It No. 26 (vii)	4.00	84.00	Each	336.00
	4 1.00	4.000			
22	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (viii) 100mm X 75mm X 3.50mm. PWD Building Works schedule, P-140, It No. -5 (viii)	12.00	66.00	Each	792.00
	4 3.00	12.000			
23	Anodised aluminium decorative handle (hexagonal / fluted) of approved quality fitted and fixed complete. (i) 150mm plate x 10mm dia rod x 12mm hexagonal/fluted. PWD Building Works schedule, Page -146 . Item no-31,(i)	8.00	87.00	Each	696.00
	4 2.00	8.000			
24	Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with concrete bolt and round fitting. .b)250mm long. PWD Building Works schedule, Page -141 . Item no-10 b)	4.00	159.00	Each	636.00
	4 1.00	4.000			
25	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand.(1.5 mm thick) In Ground Floor PWD Building Works schedule, PWD, P- 198, I - 5	75.15	122.00	Sqm	9168.30
	Same as Plaster Item - Plinth plaster	75.15			

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
26	(b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. PWD Building Works schedule, Page -200 . Item no- 1 (b)	75.15	38.00	Sqm	2855.70
	Same as Plaster Item - Plinth plaster 75.15				
27	(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 : Page - 200 . Item no- 1 (b) (a) On timber or plastered surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white) PWD Building Works schedule, Page -200 . Item no- 2(A)(a)(iv)	75.15	81.00	Sqm	6087.15
	Same as Plaster Item - Plinth plaster 75.15				
28	(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.. (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr. PWD Building Works schedule, P-104 Item-13 A (i) (3rd Corrigendam Page No 91)	0.55	9888.00	Qntl	5438.40
	Grill 6 0.60 0.45 0.16 0.260				
	Box for pump 5 0.60 0.6 0.16 0.290				
					0.550
29	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. PWD Building Works schedule, P/200 Item-1(a)	3.42	29.00	Sqm	99.18
	6 0.60 0.45 1.620				
	5 0.60 0.6 1.800				
					3.420
30	(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 : (iv) Two coats (with any shade except white) PWD Building Works schedule, P-200 Item-2(b)(iv)	3.42	79.00	Sqm	270.18
	6 0.60 0.45 1.620				
	5 0.60 0.6 1.800				
					3.420

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
31	<p>Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring Pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contrr]e)</p> <p>l (l) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment.</p> <p>(A) Deep Colour & White PWD Building Works schedule, Page-66 Item-36 (A) (3rd Corrigendam , Page -36)</p>	12.33	1679.00	Sqm	20702.07
	Stair	1	5.725	0.95	5.440
	floor	1	1.5	1.35	2.030
	floor	3	1.2	1.35	4.860
					12.330
32	<p>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</p> <p>B) Wall etc.</p> <p>b) Area of each tile above 0.09 Sq.m</p> <p>ii) Other than Coloured decorative including white</p> <p>PWD Building Works schedule, page-64, Item:35.(B.) (b).(ii) (3rd Corrigendam ,Page 36)</p>	48.96	1029.00	Sqm	50379.84
	Out side	1	8.925	1.95	17.400
	Door	-4	0.75	1.8	-5.400
	Door frame side	4	4.65	0.075	1.400
	Inner	1	5.7	1.95	11.120
	Inner	3	5.1	1.95	29.840
	Door	-4	0.75	1.8	-5.400
					48.960

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
33	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285- 1975; Anodized (with required film thickness and specified colour / natural) matt finished conforming to IS: 1868-1983 for fabrication of composit door, sliding & casement windows, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer - In- Charge. (Payment will be made on finished length of the work). (A) In 10-12 Micron thickness Anodizing film i) Natural white h) Louvered window. Top, bottom and side member. PWD Building Works schedule, PWD, P-233, I- 1(h) i	12.60	183.00	M	2305.80
	6 2.1	12.600			
34	ii) Louvered Section.	10.80	658.00	M	7106.40
	18 0.6	10.800			
35	iii) Cleat angle (Non-anodized).	9.72	263.00	M	2556.36
	18 0.54	9.7200			
36	Labour charge for fabrication and installation of composite door, window, partitions made from anodized extruded alloy aluminium sections for the following units:- (A) Glazed aluminium sliding windows made of extruded and anodized alloy aluminium sections, fabrications, including cutting to proper shape and size, drilling and aligning of window shutter frame fitted with in built locking arrangements, sliding rollers and other necessary fittings, fixture, adhesives and joineries along with extruded neoprene or EPDM gasketing in between window frame and masonry work (walls, column, beam.lintels etc.) as well as between glass and shutter frame for fixing glass and Polysulphide sealant and in between shutter and window frame where necessary including cutting to requisite size and fixing glass as per drawing, specification and direction of EIC. The rate includes the hire charge of all tools and plants, including all incidental charges, adhesive, joineries such as screw, cleat angle etc. but excluding the cost of extruded aluminium sections, glass, neoprene / EPDM gasket, locking arrangement and rollers. v) Louvered window. PWD Building Works schedule SOR, PWD, P-239, I- 2 (v)	1.62	730.00	Sqm	1182.60
	6 0.6 0.45	1.620			
37	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. iv) 5mm thick coloured / tinted / smoke glass. PWD Building Works schedule, P-243, I -9	1.62	585.00	Sq.M.	947.70
	6 0.6 0.45	1.620			

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
38	Painting block letters or digits in Black Japan or any approved paint as per direction. e) Size above 7.5 cm. and upto 10 cm. PWD Building Works schedule, P-268, It-17(e)	450.00	12.00	Each	5400.00
39	Supplying, fitting and fixing 18 mm thick marble partition slab with chawk doongri marbel square cut, both sides polished with two front corners rounded and edges polished. Sanitary and plumbing work schedule P-81, It-13	0.72	1426.00	Sqm	1026.72
	1 1.2 0.6 0.72				
40	Supplying and Planting of different plant / trees (Supplying well grown plants bushy and healthy, minimum height as specified i.e. exposed height including all leads & lift, carriage, handling, manuring, applying presticide and fertilizer etc. . i) Furcaria veriegated 10-12 leaves in height 20-30cm in earthen pots of size 25cm. PWD Building Works schedule, Page -261, It- 9 (i)	5.00	162.00	Each	810.00
41	x) Ficus blakii (F. Vivicon) well branched (Bushy) of height 120cm - 135 cm in earthen pot of size 30cm. PWD Building Works schedule, Page -261, It- 9 (x)	4.00	187.00	Each	748.00
42	xxvi) Areca Palm 4 - 5 suckers of height 90 cm to 105 cm in earthen pots of size 25 cm. PWD Building Works schedule, Page -261, It- 9 (xxvi)	4.00	127.00	Each	508.00
43	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) PWD S&P Schedule, page-79, item no -3 (a)	3.00	3104.00	Each	9312.00
44	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	3.00	380.00	Each	1140.00
45	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)	2.00	945.00	Each	1890.00
46	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,	3.00	1015.00	Nos	3045.00

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
47	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)	3.00	✓ 155.00	Each	✓ 465.00
48	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	2.00	✓ 414.00	Each	✓ 828.00
49	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
50	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 PWD,	5.00	✓ 107.00	Each	✓ 535.00
51	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	4.00	✓ 91.00	Each	✓ 364.00
52	(f) Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar). PWD S&P Schedule, Page No.-3 Item No.- 3 f,	3.00	✓ 1251.00	Each	✓ 3753.00
53	(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	4.00	✓ 539.00	Each	✓ 2156.00
54	(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	2.00	✓ 493.00	Each	✓ 986.00
55	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
56	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

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
57	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 seperately) (a) For Exposed Work PVC Pipes, 25 mm Page No.-12 Item No.-19-i(a), PWD,VOL-II, 2017-18	20.00	177.00	Mtr	3540.00
58	(a) (a) For Exposed Work PVC Pipes, 15 mm Page No.-12 Item No.-19-i(a), PWD,VOL-II, 2017-18	9.00	101.00	Mtr	909.00
59	(b) For Concealed Work PVC Pipes, 15 mm Page No.-12 Item No.-19-i(b), PWD,VOL-II, 2017-18	9.00	137.00	Mtr	1233.00
60	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),	2.00	778.00	Each	1556.00
61	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
62	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
63	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
64	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992.(A) (i) Single Socketed 3 Meter Length, 110 mm PWD S&P Schedule, Page No.-68 Item No. 23,(A)(i)(b)	24.00	292.00	Mtr	7008.00
65	(B) Fittings (i) Coupler, (b) 110 mm	7.00	85.00	Each	595.00
66	(ii) Plain Tee, (b) 110 mm	7.00	85.00	Each	595.00
67	(iii) Door Tee, (b) 110 mm	5.00	195.00	Each	975.00

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
68	ix) Bend 45°, (b) 110 mm	6.00	89.00	Each	534.00
69	xi) Door Bend (T.S.), (b) 110 mm	5.00	147.00	Each	735.00
70	xvi) Pipe Clip, (b) 110 mm	20.00	21.00	Each	420.00
71	xvii) W.C. Connector (150 mm long) 125 X 110(W/WC Ring) 75 mm	3.00	142.00	Each	426.00
72	xxxii) Plain Floor Trap with Top tile & Strainer 75 mm	4.00	144.00	Each	576.00
73	L) Rubber Ring, (b) 110 mm	20.00	17.00	Each	340.00
74	C)Rubber Lubricant 500 ML	2.00	187.00	500 ML	374.00
75	D)Solvent Cement 250 ML	1.00	103.00	250 ML	103.00
76	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)	24.00	84.00	Mtr	2016.00
77	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)	10.00	188.00	Mtr	1880.00
78	B) UPVC Fittings: c) Bend 87.5 degree (i) 75 mm. Dia.	3.00	84.00	Mtr	252.00
79	B) UPVC Fittings: d) Shoe (i) 75 mm. Dia.	3.00	78.00	Mtr	234.00

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
80	<p>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.</p> <p>i) With Pakur variety (Other than SAIL/TATA/RINL). PWD S&P Schedule, S.P.87, Item No-1/(i), 7th Corrigenda Volume ii</p>	2.00	6153.00	Each	12306.00
81	<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.</p> <p>(ii) For 20 users A) With Pakur variety. (JSW/JSPL/SHYAM/SRMB/ELECTROSTEEL/SSL) PWD S&P Schedule, S.P.88, Item No-3(ii)(A) 7th Corrigenda Volume ii</p>	1.00	42400.00	Each	42400.00

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
82	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) S.P.89,Item No-4 7th Corrigenda Volume ii	1.00	13899.00	Each	13899.00
83	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass PWD (ii) 25 mm dia. and 600 mm long S&P Schedule, p No 82 I No- 22 (a)(ii)	4.00	430.00	Each	1720.00
84	Supplying, fitting and fixing cast iron raised rain proof tank cover 500 mm dia. with locking arrangements (weighing not less than 12 kg). PWD S&P Schedule, . page-37,item no -8	1.00	1263.00	Each	1263.00
85	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
86	Supplying, fitting and fixing soap holder. (b) Fibre glass Sanitary and plumbing work schedule P-82, It-18(b)	6.00	58.00	Each	348.00
87	Supplying, fitting and fixing glass shelf with aluminium guard rails. (a) Ordinary type with 5.5 mm sheet glass 450 mm X 125 mm Sanitary and plumbing work schedule P-81, It-16(a)(i)	4.00	341.00	Each	1364.00
96	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. [P-49, Item -1] (e) For depth upto 150 metre for 80 mm dia. tube well with top enlargement of 150 mm dia. (ii) 100 mm dia. boring etc. top enlargement	60	426.00	Mtr	25560.00

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Amount
97	Supplying PVC strainer of approved make with adapter conforming to I.S.12818 specifications. [P-52 Item-6] (v) 100mm dia	60	678.00	Mtr	40680.00
98	Supplying, fitting and fixing end plug of approved make conforming to I.S. specifications. i) 100 mm dia. [P-18 Item. 19 (III)K]	1	220.00	Each	220.00
99	Packing the annular space between the outside of the tube well pipes & strainers and the bore with pea size washed gravel of approved quality having size from 2 mm to 5 mm or the size approved by the Engineer-incharge including cost of all materials labour and equipment complete. [P-55, Item-24]	3	2029.00	Each	6087.00
100	Supplying fitting & fixing 2 HP (Stage-18, outlet size -32mm) Submersible Pump of approved manufacturer's brand including starter, and fitting with column pipe all complete. Brand, Crompton / K.S.B./ C.R.I, (Due to site condition stage of Submersible may be varried) [LMR] Head 50m	1	23,962.00 21047.00	Each	23,962.00 21047.00
101	1.5 mm 2 wire from Electric serviceline to panel board two nos. [LMR]	30	45.00	Mtr	1350.00
102	Supply and fitting fixing 2.5 mm flat cable from Pump to Starter complete [LMR] 23 cov	60	76.00	Mtr	4560.00
103	Supply of PVC pipes & fittings Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). (A) PVC Pipes [P-14, Item- 19 (III) 14] i) 100 mm dia	58	874.00	Mtr	50692.00
104	Supplying, fitting and fixing PVC pipes for underground work 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 including cost of all materials, jointing materials, cutting pipes, making threads, cutting trenches upto 1.5 metre below surface in all sorts of soil and refilling the same as directed complete in all respect. (Payment will be made on the centre line measurement of the total pipe line including all specials No separate payment will be made for accessories, specials.) [P-13, item-19 (II)]	58	311.00	Mtr	18038.00
Sub Total Of (A)					618663.61
Add S.G.S.T. @ 9%					55679.72
Add C.G.S.T. @ 9%					55679.72
Cost Of Civil & Sanitary Work					730023.05
Add L.W.C. @ 1%					7300.23
Total payable Amount Including L.W.C.					737323.28
Say Rs.					737323.00

In Word (Say) : Rupees Seven Lakh Thirty Seven Thousand Three hundred Twenty Three only

Tony Blum name Karan

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 Rampurhat Municipality
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VETTED

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 Executive Engineer
 Birbhum Division
 Govt. of West Bengal