SI-S

Civil & Sanitary Work Estimate (A) For Construction of the Public Toilet Block for Rampurhat Police station, Ward No. 12 under Rampurhat Municipality, District-Birbhum, during the year of 2024 - 25.

No. Of seat - Male - (W.C. -1 + Urinal -2) & Female - (W.C. -1 + 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	Ammount
	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	25.47	11927.00	%Cum	3037.81
	Column — — 6 — 1.500 — 1.5 — 1.1 — 14.850				
	Tie Beam — — 1 — 19 — 0.35 — 0.375 — 2.490				
	Reservior — — 1 — 2.5 — 2 — 1.625 — 8.130				
	— — — — — — 25.470				
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)	41.97	266.00	Sqm	11164.02
	Column — — 6 — 1.500 — 1.5 — — 13.500				
	Tie Beam — — 1 — 19 — 0.25 — — 4.750				
	Parti beam — — 1 — 9.425 — 0.125 — — 1.180				
	Floor — — 1 — 5.225 — 2.975 — — 15.540				
	Ramp — — 1 — 2 — 1 — — 2.000				
	Reservior — — 1 — 2.5 — 2 — — 5.000				
	— — — — — — 41.970				
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	25.20	24.00	Sqm	604.80
	Platform — — 1 — 2.7 — 1 — — 2.700				
	Open Space — — 1 — 15 — 1.5 — — 22.500				
	— — — — — — 25.200				
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	5.92	4031.00 ~~3970.00~~	Cum	23,863.52 ~~23502.40~~
	Column — — 6 — 1.500 — 1.5 — 0.1 — 1.350				
	Floor — — 1 — 5.225 — 2.975 — 0.1 — 1.550				
	Platform — — 1 — 2.7 — 1 — 0.1 — 0.270				
	Reservior — — 1 — 2.5 — 2 — 0.1 — 0.500				
	Open Space — — 1 — 15 — 1.5 — 0.1 — 2.250				
	— — — — — — 5.920				

Sl. No.	Item Description & Item No.							Quantity	Rate	Unit	Ammount
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)							4.48	173.00	Sqm	775.04
			1	13.65	0.25		3.410				
			1	8.525	0.125		1.070				
							4.480				
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)							5.56	4198.06 ~~4480.00~~	Cum	23,341.21 ~~24908.80~~
	GL 2 PL		1	15.65	0.250	0.450	1.760				
	Ramp		1	1.95	0.250	0.225	0.110				
	Platform		1	3.45	0.250	0.450	0.390				
	Front Stair		1	2.7	0.25	0.3	0.200				
			1	2.7	0.25	0.15	0.100				
	Reservior		1	8	0.25	1.5	3.000				
							5.560				
7	Brick work with 1st class bricks in cement mortar (1:4) (b) In superstructure, ground floor PWD Building Works schedule, Page -15, Item-7.b (Rate Analysis)							10.55	4421.06 ~~4703.00~~	Cum	46142.18 ~~49616.65~~
	Outer Wall		1	18.65	0.25	2.575	12.010				
	Less Door		-2	1	0.25	2.1	-1.050				
	Less Window		-6	0.6	0.25	0.45	-0.410				
							10.550				
8	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)							35.56	584.53 ~~592.00~~	Sqm	20,785.88 ~~21051.52~~
	Wall		1	9.325		2.75	25.640				
			2	1.35		1.95	5.270				
	Spring		1	18.650		0.125	2.330				
	Parapet		1	18.150		0.45	8.170				
	Less Door		-4	0.750		1.95	-5.850				
							35.560				

Sl. No.	Item Description & Item No.							Quantity	Rate	Unit	Ammount
9	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							16.81	7754.00	%Cum	1303.45
	2/3rd of Earth work			0.66	25.47		16.81				
10	(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							7.65	57255.00	%Cum	4380.01
			1	5.225	2.725	0.45	6.41				
	Ramp		1	1.95	0.75	0.225	0.33				
	Platform		1	2.7	0.75	0.45	0.91				
							7.65				
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) (f) 25 mm to 30 mm shuttering without staging in foundation PWD Building Works schedule, Page -42, Item- 36.f							27.16	205.00	Sqm	5567.80
	Foundation		24	1.20		0.15	4.32				
	Tie Beam		2	22.00		0.3	13.20				
	Parti beam		2	12.025		0.25	6.01				
	Coumn		24	0.3		0.425	3.06				
	Ramp		1	2		0.1	0.20				
	Platform		1	3.7		0.1	0.37				
							27.160				
12	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							71.46	328.00	Sqm	23438.88
	Coumn		24	0.25		2.575	15.450				
	Roof Beam		1	18.65		0.3	5.600				
	Roof Beam		1	15.65		0.175	2.740				
	Lintel		2	12.600		0.2	5.040				
	Lintel btm		1	8.600		0.125	1.080				
	Chajja		1	8.400	0.3		2.520				

Sl. No.	Item Description & Item No.							Quantity	Rate	Unit	Ammount
			1	16.800		0.75	12.600				
	slab with b btm		1	5.975	3.35		20.020				
	Slab Side		1	18.650		0.125	2.330				
	Reservior		1	2	1.5		3.000				
			1	9		0.12	1.080				
							71.460				
13	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)							9.48	5102.76 ~~4054.00~~	Cum	48.374.46 ~~38431.92~~
	Colm foot		6	1.2	1.2	0.15	1.300				
	6*0.15/3*(1*1+0.3*0.3+1*0.3)=.417						0.420				
	Tool Column		6	0.3	0.3	0.425	0.230				
	Column		6	0.25	0.25	3.025	1.130				
	Tie Beam		1	19	0.25	0.3	1.430				
	Parti beam		1	9.425	0.25	0.25	0.590				
	Lintel		1	12.200	0.125	0.2	0.310				
	Chajja		1	8.400	0.3	0.075	0.190				
	Slab Beam		1	15.65	0.25	0.175	0.680				
	Slab		1	5.975	3.35	0.125	2.500				
	Wash Basin		2	0.750	0.6	0.075	0.070				
	Reservior		1	2.5	2	0.125	0.630				
							9.480				
14	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)							1.051	54439.07 ~~58103.00~~	M.T.	57.215.46 ~~61066.25~~
	Footing	6	16	0.95	0.617	0.001	0.056				
	Column	6	4	4.175	0.89	0.001	0.089				
	Stirup	6	24	0.850	0.39	0.001	0.048				
	Tie beam	2	5	6.225	1.56	0.001	0.097				
		3	5	3.6	1.56	0.001	0.084				
	Stirup	1	133	1.05	0.39	0.001	0.054				
	PLBeam	1	4	6.125	0.89	0.001	0.022				
		3	4	1.75	0.89	0.001	0.019				
		1	4	2.025	0.89	0.001	0.007				
	Stirup	1	68	0.750	0.39	0.001	0.020				
	Lintel	4	4	1.00	0.617	0.001	0.010				
		6	4	0.85	0.617	0.001	0.013				
		1	4	2.95	0.617	0.001	0.007				
	Stirup	6	6	0.650	0.39	0.001	0.009				

Sl. No.	Item Description & Item No.							Quantity	Rate	Unit	Ammount
		1	48	0.900	0.39	0.001	0.017				
	Chajja	1	63	0.300	0.39	0.001	0.007				
		1	3	8.400	0.39	0.001	0.010				
	Roof Beam	2	5	6.225	1.56	0.001	0.097				
		3	5	3.6	1.56	0.001	0.084				
	Stirup	1	133	1.05	0.39	0.001	0.054				
	Slab	2	36	3.3	0.39	0.001	0.093				
	less l/3	-1	12	1.1	0.39	0.001	-0.005				
		2	21	5.925	0.39	0.001	0.097				
	less l/3	-1	7	2	0.39	0.001	-0.005				
	Wash Basin	2	6	0.75	0.39	0.001	0.004				
		2	4	0.75	0.39	0.001	0.002				
	UGR	1	19	1.65	0.39	0.001	0.012				
		1	14	2.25	0.39	0.001	0.012				
	Lapping	21	1	0.8	1.56	0.001	0.026				
	Lapping	21	1	0.6	0.89	0.001	0.011				
							1.0510				
15	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)							17.75	246.00	Sqm	4366.50
	roof		1	5.725	3.1		17.750				
							17.750				
16	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)							25.32	34.00	Sqm	860.88
	Below Plinth		1	5.975		0.45	2.690				
	Reservior		1	7		1.5	10.500				
			1	2.5	2		5.000				
			2	2	1.5		6.000				
			1	9		0.125	1.130				
							25.320				
17	Labour for Chipping of concrete surface before taking up Plastering work. PWD Building Works schedule, P-192, It-1							78.53	21.00	Sqm	1649.13
	Lintel side		2	12.600		0.2	5.040				
	lintel btm		1	8.600		0.125	1.080				
	Chajja		1	8.400		0.3	2.520				
			1	16.800		0.75	12.600				
	Beam		1	18.65		0.3	5.600				
			1	15.65		0.175	2.740				
	Slab bottom		1	5.975	3.35		20.020				

Sl. No.	Item Description & Item No.							Quantity	Rate	Unit	Ammount
	Slab side		1	18.650		0.125	2.330				
	For roof treatment		1	5.475	2.85		15.600				
	Reservior		2	2	1.5		6.000				
			1	2.5	2		5.000				
			1	9		0.125	0.000				
							0.000				
							78.530				
18	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (i) With 1:6 cement mortar (c) 15 mm thick plaster PWD Building Works schedule, P-189 It- No. 1 (Rate Analysis)							116.70	135.00 ~~133.00~~	Sqm	15,754.50 ~~15521.10~~
	Back side		1	5.975		2.875	17.180				
	Outer wall		1	12.675		0.775	9.820				
	Chajja		1	8.600		0.925	7.960				
	Chajja Side		14	0.300		0.075	0.320				
	Iner Wall		1	37.3		0.775	28.910				
	Spring		1	18.65		0.325	6.060				
	Parapet wall		1	18.15		0.975	17.700				
	Reservior		1	7		1.5	10.500				
			2	2.5	2		10.000				
			2	2	1.5		6.000				
			1	9		0.25	2.250				
							116.700				
19	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)							14.58	122.00 ~~121.00~~	Sqm	1778.76 ~~1764.18~~
	Slab bottom		1	5.35	2.725		14.580				
20	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 monolitaheic composite structure as per approved technology of Department of Science and Technology (DST) to safisfy IS: 4020 door testing performance criteria.. (i) 66mm x 90mm PWD Building Works schedule, P-115, It - 3 (i)							18.60	497.00	Mtr	9244.20
			4	4.65			18.600				

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
21	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 monolitaheic 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)	5.00	2581.00	Sqm	12905.00
	4 1.884 0.664 5.000				
22	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				
23	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				
24	Anodised aluminium decorative handle (hexagonal / fluted) of approed 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				
25	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				
26	(A) Supplying Aluminium casted body hydraulic door closer as per I.S.I. SOR, PWD, P- 244, I - 13(a)	4.00	635.00	Each	2540.00
	4 1.00 4.000				
27	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	128.59	122.00	Sqm	15687.98
	Same as Plaster Item - Plinth plaster 128.59				
28	(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)	128.59	38.00	Sqm	4886.42

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
	Same as Plaster Item - Plinth plaster 128.59				
29	(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)	128.59	81.00	Sqm	10415.79
	Same as Plaster Item - Plinth plaster 128.59				
30	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 complete. In ground floor. P-106 Item-18 (3rd Corrigendam Page No 92)	4.2	4330.00	Sqm	18186.00
	gate 2 1.00 2.10 4.20				
31	(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)	3.14	9888.00	Qntl	31048.32
	Grill 6 0.60 0.45 0.16 0.260				
	Boundary Partition 1 18.00 0.9 0.16 2.590				
	Box for pump 5 0.60 0.6 0.16 0.290				
	3.140				
32	(ii) Grill weighing above 16 Kg./sq.mtr and above PWD Building Works schedule, P-104 Item-13 A (ii) (3rd Corrigendam Page No 91)	1.42	9696.00	Qntl	13768.32
	Railing 1 5.25 0.9 0.30 1.420				
33	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)	57.09	29.00	Sqm	1655.61
	gate 2 2 1.00 2.10 8.400				
	Grill 2 6 0.60 0.45 3.240				
	Boundary Pa 2 1 18.00 0.9 32.400				
	Box for pump 2 5 0.60 0.6 3.600				
	Railing 2 1 5.25 0.9 9.450				
	57.090				

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
34	(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)	57.09	79.00	Sqm	4510.11
	Same as primeing on grill 57.09				
35	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) I (I) 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. (A) Deep Colour & White PWD Building Works schedule, Page-66 Item-36 (A) (3rd Corrigendam , Page -36)	15.46	1679.00	Sqm	25957.34
36	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 b) Area of each tile above 0.09 Sq.m ii) Other than Coloured decorative including white PWD Building Works schedule, page-64, Item:35.(B.) (b).(ii) (3rd Corrigendam ,Page 36)	95.53	1029.00	Sqm	98300.37

Out side		1	12.675	2.1		26.620	
Less Door		-2	1	2.1		-4.200	
Door frame side		2	5.2	0.175		1.820	
Inner		1	40.7	2.1		85.470	
Less Door		-8	0.75	1.95		-11.700	
		-2	1	2.1		-4.200	
Door frame side		1	9.85	0.175		1.720	
						95.530	

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
37	a) 25 mm thick Tiles as per IS: 1237-2012 for footpath,ramp,staircase of public building(over 25 mm thick (Avg) Cement mortar (1:3) & Cement Slurry @ 4.4 kg/Sq.m at back side of Block. Cement for Mortar & Slurry to be supplied by Department). (ii) Coloured Decorative PWD Building Works schedule, page-74, Item:48(a)-ii (3rd Corrigendam ,Page 37)	29.77	866.00	Sqm	25780.82
	Open Space | 1 | 15 | 1.5 | 22.500				
	Ramp | 1 | 2 | 1 | 2.000				
	Platform | 1 | 2.7 | 1 | 2.700				
	Stair | 1 | 0.95 | 2.7 | 2.570				
	29.770				
38	Supplying, fitting & fixing granite slabs 15mm to 18 mm. thick with uniform texture & without decorative veins in columns, wall, facia,rise etc. with 15 mm thick [avg] cement mortar (1:2) including making suitable arrangements to hold the stones properly by brass / copper hooks including pointing in cement mortar (1:2) (1 white cement : 2 marble dust) with admixture of pigment matching the stone shades all complete as per direction of the Engineer-in-charge including cost of all materials, labours, scaffolding, staging, curing and roughening of concrete surface complete. [Using cement slurry at back side of granite @ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m] In ground floor (a) Area of each Granite slab 0.6 to 1.0 Square meter. PWD Building Works schedule, page-63, Item:33(a)- (3rd Corrigendam ,Page 37) 34	1.35	2752.00	Sqm	3715.20
	For Wash Basin | 2 | 0.9 | 0.75 | 1.350				
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
40	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285- 1975; Annodized (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 Annodizing film I) Natural white h) Louvered window. i) 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				
41	ii) Louvered Section.	10.80	658.00	M	7106.40
	| 18 | 0.6 | 10.800				
42	iii) Cleat angle (Non-annodized).	9.72	263.00	M	2556.36
	| 18 | 0.54 | 9.7200				

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
43	Labour charge for fabrication and installation of composite door, window, partitions made from annodized extruded alloy aluminium sections for the following units:- (A) Glazed aluminium sliding windows made of extruded and annodized alloy aluminium sectios, 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 neoprine 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				
44	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				
45	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
46	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)	12	162.00	Each	1944.00
47	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)	9	187.00	Each	1683.00
48	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)	6	127.00	Each	762.00
49	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)	2	3104.00	Each	6208.00

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
50	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	380.00	Each	760.00
51	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	945.00	Each	1890.00
52	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 PWD S&P Schedule, (P - 80, Item. No. - 7 ,	1	881.00	Each	881.00
53	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	1015.00	Nos	2030.00
54	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)	2	155.00	Each	310.00
55	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	3	414.00	Each	1242.00
56	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	2208.00	Each	4416.00
57	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,	4	107.00	Each	428.00
58	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	91.00	Each	182.00
59	(f) Hand Shower(Health Faucet) with 1mtr Fexible 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,	2	1251.00	Each	2502.00

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
60	(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	2	539.00	Each	1078.00
61	(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	3	493.00	Each	1479.00
62	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,	4	815.00	Each	3260.00
63	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	555.00	Each	1110.00
64	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTMD - 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 accesories, 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	25	177.00	Mtr	4425.00
65	(a) (a) For Exposed Work PVC Pipes, 15 mm Page No.-12 Item No.-19-i(a), PWD,VOL-II , 2017-18	12	101.00	Mtr	1212.00
66	(b) For Concealed Work PVC Pipes, 15 mm Page No.-12 Item No.-19-i(b), PWD,VOL-II , 2017-18	12	137.00	Mtr	1644.00
67	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	778.00	Each	1556.00
68	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	5128.00	Each	5128.00
69	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	96.00	Each	96.00

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
70	Labour for punching hole in plastic water storage tank upto 50 mm dia. PWD S&P Schedule, (P. No. - 38, Item. No. - 13	2	19.00	Each	38.00
71	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)	18	292.00	Mtr	5256.00
72	(B) Fittings (i) Coupler, (b) 110 mm	9	85.00	Each	765.00
73	(ii) Plain Tee, (b) 110 mm	9	85.00	Each	765.00
74	(iii) Door Tee, (b) 110 mm	6	195.00	Each	1170.00
75	ix) Bend 45º, (b) 110 mm	6	89.00	Each	534.00
76	xi) Door Bend (T.S.), (b) 110 mm	4	147.00	Each	588.00
77	xvi) Pipe Clip, (b) 110 mm	21	21.00	Each	441.00
78	xvii) W.C. Connector (150 mm long) 125 X 110(W/WC Ring) 75 mm	2	142.00	Each	284.00
79	xxxi) Plain Floor Trap with Top tile & Strainer 75 mm	2	144.00	Each	288.00
80	L) Rubber Ring, (b) 110 mm	15	17.00	Each	255.00
81	C)Rubber Lubricant 500 ML	2	187.00	500 ML	374.00
82	D)Solvent Cement 250 ML	2	103.00	250 ML	206.00
83	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)	25	84.00	Mtr	2100.00
84	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 materails (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)	12	188.00	Mtr	2256.00
85	B) UPVC Fittings: c) Bend 87.5 degree (i) 75 mm. Dia.	4	84.00	Mtr	336.00
86	B) UPVC Fittings: d) Shoe (i) 75 mm. Dia.	4	78.00	Mtr	312.00

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
87	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	6153.00	Each	12306.00
88	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 necessry 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 fefilling 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. (iii) For 30 users A) With Pakur variety. (JSW/JSPL/SHYAM/SRMB/ELECTROSTEEL/SSL) PWD S&P Schedule, S.P.88,Item No-3(iii)(A) 7th Corrigenda Volume ii	1	54921.00	Each	54921.00

Sl. No.	Item Description & Item No.	Quantity	Rate	Unit	Ammount
89	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 nacessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the exess 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	13899.00	Each	13899.00
90	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)	5	430.00	Each	2150.00
91	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	1263.00	Each	1263.00
92	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	484.00	Each	968.00
93	Supplying, fitting and fixing soap holder. (b) Fibre glass Sanitary and plumbing work schedule P-82, It-18(b)	5	58.00	Each	290.00
94	Supplying, fitting and fixing porcelain toilet paper holder of approved make with wooden spindle as necessary. (i) Roll type size 250 mm X 125 mm (A5) Sanitary & Plumbing works p No 83 I No- 23 9i)	4	293.00	Each	1172.00
95	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)	4	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	Ammount
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~~ cum	6087.00
100	Supplying fitting & fixing 2 HP (Stage-18,outlet size -32mm) Submersible Pump of approved manufecturer'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	23,902.00 ~~21047.00~~	Each	23902.00 ~~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]	60	~~76.00~~ 78.00	Mtr	~~4560.00~~ 4680.00
103	Supply of PVC pipes & fittings Schedule 80 (medium duty) conforming to ASTMD - 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 ASTMD - 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 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)]				
	i) 40 mm dia	58	311.00	Mtr	18038.00
			Sub Total Of (A)		913359.20 91687.05
			Say Rs.		913346
		Add S.G.S.T. @	9%		82201.14 16503.86
		Add C.G.S.T. @	9%		82202.33
		Cost Of Civil & Sanitary Work			1077749.47 10819.14
		Add L.W.C. @	1%		10777.49 10819.14
		Total payable Amount Including L.W.C.			1088526.96 10927.34.05
		Say Rs.			1088526.00 10.92.734.00
	In Word (Say) : Rupees Ten Lakh Eighty Eight Thousand Five Hundred Twenty Six only				

Ninty Eight Five thirty Four

Sub Assistant Engineer
Rampurhat Municipality
Rampurhat★Birbhum

30/4/25
Jr. Engineer
Birbhum Division
M. E. Directorate
Govt. of West Bengal

Assistant Engineer
Bolpur Sub-Division
Municipal Engineering Directorate
Govt. of West Bengal

Chairman
Rampurhat Municipality
Rampurhat★Birbhum

VETTED

Executive Engineer
Birbhum Division
M.E. Dte.
Govt. of West Bengal