

ABSTRACT SUMMARY

DETAIL ESTIMATE FOR CONSTRUCTION OF COMMUNITY TOILET AT BISWASPARA AT
WARD NO-09 WITHIN BISHNUPUR MUNICIPALITY.

1	Civil Part (Rs.)	423653.00
2	Sanitary & Plumbing (Rs.)	233046.00
	TOTAL Rs. = <i>Seven</i>	656699.00

(Rupees Six lakhs fifty six thousand six hundred ninety nine only)

233046.00
656699.00

Atanu Pal
22.4.2025
SAE
Bishnupur Municipality

hp
Chairman
Bishnupur Municipality

Vetted
7.5.15
ANIMESH RAY
Executive Engineer
Bankura Division
M.E. Directorate
Govt. of West Bengal

DETAIL ESTIMATE FOR CONSTRUCTION OF COMMUNITY TOILET AT BISWASPARA AT WARD NO-09 WITHIN BISHNUPUR MUNICIPALITY. (CIVIL PART)

SL.N O.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGHT (M)	QUANTITY	UNIT	RATE(RS)	AMOUNT(RS.)
PAGE NO.-1, ITEM NO.-2, P.W.D. SCHEDULE-2017									
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.								
	For Column Footing	6	1	1	1	6	Cu.M.		
	For Ramp	1	8.375	0.375	0.15	0.47			
						6.47	%Cu.M.	11927	771.67
PAGE NO.-1, ITEM NO.-3(a), P.W.D. SCHEDULE-2017									
2	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) (a) With earth obtained from excavation of foundation.								
						1.294	Cu.M.	77.54	100.33
PAGE NO.-2, ITEM NO.-4, P.W.D. SCHEDULE-2017 (5th corrigenda & Addenda)									
3	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.								
	For Column Footing	6	1	1	0.075	0.45	Cu.M.		
	For Ramp	1	8.375	0.375	0.075	0.24			
		2	1.2	2.5	0.1	0.6			
	Floor Filling	2	1	2.5	0.1	0.5	Cu.M.	592.57	764.41
					1.29				
PAGE NO.-47, ITEM NO.- 3, P.W.D. SCHEDULE-2017									
4	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.								
	For Column Footing	6	1	1		6	Sq.M.		
	For Ramp	1	8.375	0.375		3.14			
	Floor Filling	1	4.775	2.5		11.94	Sq.M.	24	505.92
					21.08				
PAGE NO.-24, ITEM NO.-04. P.W.D. SCHEDULE-2017									
5	Ordinary cement concrete Mix (1 : 2 : 4) Cement concrete with graded stone chips (20 mm.nominal size) excluding shuttering and reinforcement, if any, in ground floor.as per relivent I.S code.								
	Column Footing	6	1	1	0.1	0.60	Cu.M.		
	Floor	2	1.2	2.5	0.1	0.60			
		2	1	2.5	0.1	0.50			
	For Ramp	1	5.275	1.2	0.1	0.63			
		1	8.375	0.375	0.1	0.31			
	Surroundings	1	13.075	0.6	0.1	0.78			
	Extra Concreting	7	2	0.9	0.15	1.89	Cu.M.	4218	22397.58
					5.31				

SL. NO.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGHT(M)	QUANTITY	UNIT	RATE(RS)	AMOUNT(RS.)
<i>PAGE NO.-26, ITEM NO.-10(iv). P.W.D. SCHEDULE-2017</i>									
6	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. (iv) With local hard blackstone variety chips (crusher broken)								
	For Column (250x250)	6	0.25	0.25	3.675	1.38	Cu.M.		
	For Footing (1.00m x1.00m)	6	1	1	0.15	0.9			
		6	0.53		0.15	0.48			
	Plinth Beam (LONGER SPAN)	2	4.525	0.25	0.25	0.57			
	Roof Beam (LONGER SPAN)	2	4.525	0.25	0.125	0.28			
	For Plinth Beam (Shorter Span)	3	2.5	0.25	0.25	0.47			
	For Roof Beam (Shorter Span)	3	3.4	0.25	0.125	0.32			
	Lintel	1	5.275	3.9	0.125	2.57			
	Chajja for C.W	1	18.3	0.25	0.125	0.57			
	6	0.9	0.3	0.1	0.16				
					7.70	Cu.M.	4888	37637.60	
<i>PAGE NO.-42, ITEM NO.-36. P.W.D. SCHEDULE-2017</i>									
7	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.								
	Slab	2	9.175		0.125	2.29	Sq.M.		
		1	4.775	2.5		11.94			
		1	4.775	0.9		4.3			
	Plinth Beam (LONGER SPAN)	2	4.525		0.25	2.26			
	Roof Beam (LONGER SPAN)	2	4.525		0.25	2.26			
	For Plinth Beam (Shorter Span)	3	2.5		0.25	1.88			
	For Roof Beam (Shorter Span)	3	3.4		0.25	2.55			
	Chajja for C.W	6	0.9	0.45		2.43			
		6	1.5		0.1	0.9			
	Lintel	2	18.3		0.125	4.58			
	For Column (250X250) G.L TO CEILING	6	1		3.15	18.9			
						54.29		Sq.M.	321
<i>PAGE NO.-42, ITEM NO.-36. P.W.D. SCHEDULE-2017</i>									
8	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								
	For Column (250X250) upto GL	6	1		0.525	3.15	Sq.M.	203	639.45
<i>PAGE NO.-43, ITEM NO.-40. P.W.D. SCHEDULE-2017 (10th corrigenda & Addenda)</i>									
9	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, basement and upto roof of ground floor/upto 4 m JSPL/SHYAM/SRMB/BMASL/ELECRSTEEL/SSL (Ground floor)								
	Consider 1.2% of total vol. of RCC					0.725	MT	54770.87	39708.88

SL.N O.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGHT(M)	QUANTITY	UNIT	RATE(RS)	AMOUNT(RS.)	
<i>PAGE NO.-16, ITEM NO.-16. P.W.D. SCHEDULE-2017</i>										
10	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.									
	Partition Wall For Toilets	3	2.5		2.575	19.31	Sq.M.			
	Parapet Wall	1	18.35		0.3	5.51				
	Extra at separator	1	1.2		2.575	3.09				
					27.91	Sq.M.	625	17443.75		
<i>PAGE NO.-15, ITEM NO.-7. P.W.D. SCHEDULE-2017</i>										
11	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth									
	Outer Wall	1	14.55	0.25	0.3	1.09	Cu.M.			
						1.09	Cu.M.	4505	4910.45	
<i>PAGE NO.-15, ITEM NO.-8. P.W.D. SCHEDULE-2017 (3rd CORRIGENDA & ADDENDA Dt.- 04.06.2018)</i>										
12	Brick work with 1st class bricks in cement mortar (1:6) (b) In superstructure, ground floor									
	Outer Wall	1	14.55	0.25	2.575	9.37	Cu.M.			
	Ramp	2	5.275	1.2	0.225	2.85				
						12.22				
	DEDUCTION									
	For Door	4	0.75	0.25	2.1	1.58				
	For C.W	6	0.6	0.25	0.45	0.41				
					(-)	1.99				
						10.23	Cu.M.	4728	48367.44	
<i>PAGE NO.-109, ITEM NO.-22. P.W.D. SCHEDULE-2017 (3rd CORRIGENDA & ADDENDA FOR SCHEDULE OF RATES OF PWD (W.B) wef 01.11.2017)</i>										
13	Supplying, fitting and fixing Stainless Steel railing consist of 38mm dia and 900mm height vertical balustrade at every two alternative steps, 50mm dia top rail, 3 (three) nos 19mm dia horizontal Strainless steel pipe and base/cover plate with Strainless Steel GRADE 304 containing 7.5% nickle (Interior Grade) Brushed/Mat finish, complete as per direction of the Engineer-in-charge. Weight of Strainless Steel railing per metre 6.5 Kg (approx)									
		2	1.2			2.40	mtr			
						2.40	mtr	9077	21784.80	
<i>PAGE NO.-189, ITEM NO.1 P.W.D. SCHEDULE-2017.</i>										
16	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 (b) 20 mm thick plaster									
	Inside Wall									
		2	7.9		2.575	40.69	Sq.M.			
		2	7.5		2.575	38.63				
						79.32				
	Deduction									
	D	4	0.75		2.1	2.08				
	CW	6	0.6		0.45	0.53				
					Total deduction(-)	-2.61				
					76.71	Sq.M.	153	11736.63		

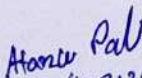
SL. NO.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGHT (M)	QUANTITY	UNIT	RATE(RS)	AMOUNT(RS.)
<i>PAGE NO.-189, ITEM NO.1 P.W.D. SCHEDULE-2017.</i>									
16 15	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking 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 b) 15 mm thick plaster								
	For Outside Plaster OF WALL (Ground floor)	1	16.55		3.7	61.24			
	For Chajja								
	CW	6	0.9	0.7		3.78			
						Total	65.02	Sq.M.	
						Deduction			
	D	4	0.75		2.1	2.08			
	CW	6	0.6		0.45	0.53			
						Total deduction(-)	-2.61		
						TOTAL	67.63	Sq.M.	150
<i>PAGE NO.-189, ITEM NO.1 P.W.D. SCHEDULE-2017. (3rd Corrigenda & Addenda)</i>									
17 16	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] iii) With 1:3 cement mortar (c) 10 mm thick plaster								
	For Ceilling (Ground Floor)								
		2	1.2	2.5		6.00			
		2	1	2.5		5.00			
		1	5.275	0.9		4.75			
					15.75	Sq.M	128	2016.00	
<i>PAGE NO.-192, ITEM NO.-15. P.W.D. SCHEDULE-2017 (3rd Corrigenda & Addenda)</i>									
18 17	Neat cement punning about 1.5 mm. thick in wall, dado, window, sills, floor, drain etc.								
	Outside Wall	1	11.275		0.6	6.77	Sq.M.		
						6.77	Sq.M.	34	230.18
<i>PAGE NO.-64, ITEM NO.-35. P.W.D. SCHEDULE-2017</i>									
18 18	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative								
	Floor	2	1.2	2.5		6.00			
		2	1	2.5		5.00			
	Front Passage	2	2.575	0.9		4.63			
	Ramp	1	5.275	1.2		6.33			
						21.96	Sq.M	730	16030.80

SL.N O.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGHT (M)	QUANTITY	UNIT	RATE(RS)	AMOUNT(RS.)			
<i>PAGE NO.-64, ITEM NO.-35. P.W.D. SCHEDULE-2017(3rd Corrigenda & Addenda)</i>												
20	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative											
	Inside Wall	2	7.15		1.5	21.45	Sq.M					
		2	6.75		1.5	20.25						
	Outside front Wall	1	4.075		1.5	6.11	Sq.M	737	35235.97			
						47.81						
<i>PAGE NO.-196, ITEM NO.-10. P.W.D. SCHEDULE-2017.</i>												
	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothing of surface. Two Coats											
	Inside Wall											
		2	7.9		1.075	16.99	Sq.M					
		2	7.5		1.075	16.13						
						33.12						
	Deduction											
	D	4	0.75		0.6	0.59	Sq.M					
	CW	6	0.6		0.45	0.53						
					Total deduction(-)	-1.12						
						32.00						
	For Ceiling (Ground Floor)											
		2	1.2	2.5		6.00	Sq.M					
		2	1	2.5		5.00						
		1	5.275	0.9		4.75						
						15.75						
					Total	47.75		70	3342.50			
<i>PAGE NO.-198, ITEM NO.-05. P.W.D. SCHEDULE-2017.</i>												
22	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand.(1.5 mm thick)											
21	Same as previous item					47.75	Sq.M.	122	5825.50			
<i>PAGE NO.-196, ITEM NO.-08. P.W.D. SCHEDULE-2017.</i>												
	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. In Ground Floor: (a) One Coat											
	For Outside Plaster OF WALL (Ground floor)											
		1	16.55		2.2	36.41	Sq.M					
	For Chajja											
	CW	6	0.9	0.7		3.78						
					Total	40.19						
	Deduction											
	D	4	0.75		0.6	0.59	Sq.M					
	CW	6	0.6		0.45	0.53						
					Total deduction(-)	-1.12						
					TOTAL	39.07	% Sq.M.	3140	1226.79			

SL.N O.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGHT (M)	QUANTITY	UNIT	RATE(RS)	AMOUNT(RS.)
<i>PAGE NO.-197, ITEM NO.-17. P.W.D. SCHEDULE-2017.</i>									
24 23	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. b) Premium 100% Acrylic Emulsion					39.07	Sq.M.		
	TOTAL AREA OF OUTSIDE WALL OF GROUND FLOOR					39.07	Sq.M.	84 ✓	3281.88 ✓
<i>PAGE NO.-195, ITEM NO.-06. P.W.D. SCHEDULE-2017.</i>									
28 24	Red oxide wash of approved shade including cleaning and smoothening surface thoroughly (without specific permission from the Engineer-in-charge this item of work must not be done on an old painted surface which has not received such red oxide wash before) : External surface (Ground floor) (a) One coat				0.45	1.62	Sq.M.		
	CW (Consider Multiplying factor as 1)	6	0.6			1.62	%Sq.M.	2425 ✓	39.29 ✓
<i>PAGE NO.-200, ITEM NO.-2. P.W.D. SCHEDULE-2017.</i>									
26 25	(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)				0.45	1.62	Sq.M.		
	CW (Consider Multiplying factor as 1)	6	0.6			1.62	Sq.M.	79 ✓	127.98 ✓
<i>PAGE NO.-243, ITEM NO.-9. P.W.D. SCHEDULE-2017.</i>									
27 26	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. iv) 5mm thick coloured / tinted / smoke glass.					1.62	Sq.M.		
	For Window	6	0.6	0.45		1.62	Sq.M.	585 ✓	947.70 ✓
<i>PAGE NO.-114, ITEM NO.-4. P.W.D. SCHEDULE-2017.</i>									
27 28	Supplying, Fitting & Fixing Factory made P.V.C. door frame of size 50 mmx47 mm with a wall thickness of 5 mm, made out of extruded 5 mm, PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x 15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mmx 19 mm M.S. Square tube of 19 gauge. weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm long M.S. Screws through the frame by using P.V.C fasteners. A minimum of 4 Nos of screws to be provided for each vertical member and minimum 2 Nos for horizontal member etc. complete as per Manufacturer's specification and direction of Engineer-in-Charge.					19.8	mtr		
	For Door	4	4.95			19.8	mtr	305 ✓	6039.00 ✓

SL. NO.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGHT(M)	QUANTITY	UNIT	RATE(RS)	AMOUNT(RS.)
PAGE NO.-130, ITEM NO.-21. P.W.D. SCHEDULE-2017.									
29	Providing & fixing factory made 30 mm thick factory made solid pvc door shutter made out of single piece extruded solid pvc profile . The style & rails shall be of size of 75 x 30 mm having wall thickness of 5 mm. The style and top bottom rail shall have one side a thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. 15 mm thickness shall be of single piece extruded solid pvc profile whereas it shall be not be made of sheet pastedprofile) . The styles and rails shall be reinforced with MS tube of size 18 mm(±)1mm x 18 mm (±) 1mm x 1mm painted with primer all four corners of reinforcement to be welded or sealed . solid pvc extruded bidding (push fit type)will be set inside the styles and rails with a cavity to receive single piece extruded 5 mm pvc sheet as panel. The styles and rails will be metered cut and join with the help of pvc solvent cement, self tapping screw and braket of size 200 x 75 mm /welded at each corner. Single piece extruded solid pvc lockrail of size 100 x 30 mm with a wall thickness 5 mm & 15 mm integrally extruded in the middle of lockrail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100mm x 8mm complete as per manufacturers specifications and direction of Engineer-in-Charge. b) Factory made Single piece extruded PVC profiles door shutter of both side laminated wood grains decorative Finish:								
28	For Door	4	0.75		2.1	6.3	Sq.M.		
						6.3	Sq.M.	2727	17180.10
PAGE NO.-107, ITEM NO.-20. P.W.D. SCHEDULE-2017. (3rd Corrigenda & Addenda)									
30	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. (b) Openable steel windows as per IS sizes with side hung shutters and horizontal glazing bars. [The extra rate admissible for the openable portion only]								
29	FOR CW	6	0.45	0.45		1.215			
						1.215	Sq.M.	1663	2020.54
PAGE NO.-213, ITEM NO.-21. P.W.D. SCHEDULE-2017.									
31	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:								
30	(ii) 110 mm. Dia.	1	15			15	metre	251	3765.00
	(i) 75 mm. Dia.	1	12			12	metre	188	2256.00
	B) UPVC Fittings:								
	a) Plain Tee (i) 75 mm. Dia.	1	6			6	Nos	102	612.00
	(ii) 110 mm. Dia.	1	4			4	Nos	172	688.00
	c) Bend 87.5 degree (i) 75 mm. Dia.	1	5			5	Nos	95	475.00
	(ii) 110 mm. Dia.	1	5			5	Nos	160	800.00

SL. NO.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGHT (M)	QUANTITY	UNIT	RATE(RS)	AMOUNT(RS.)
PAGE NO.-48, ITEM NO.-6. P.W.D. SCHEDULE-2017.									
32 51	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 works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (ii) 25 mm. thick					6.00			
	Toilet	2	1.2	2.5		5.00	Sq.M		
		2	1	2.5		6.33			
	Ramp	1	5.275	1.2		17.33	Sq.M	260	4505.80
PAGE NO.-12, ITEM NO.-13. P.W.D. SCHEDULE-2017									
33 32	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge.					25.50	Cu.M.		
						25.50	Cu.M.	166	4233.00
								TOTAL (A)	345219.53
								Total Rs.	345219.53
								Add 18% GST Of A (B)	62139.51
								TOTAL (A+B) (C)	407359.04
								Add 1% Cess of C (D)	4073.59
								TOTAL Rs. (C+D)	411432.63
								Add 3% Contingency	12220.77
								Total Rs.	423653.40
							Say Rs.	423653.00	


 22.4.2025
SAE
 Bishnupur Municipality


Chairman
 Bishnupur Municipality


 07.05.25
ALI MURTAJA MONDAL
 Junior Engineer (Civil)
 Bankura Division
 M.E. Directorate
 Govt. of West Bengal


 7/5/25
 Assistant Engineer
 Bankura Divn.(Works)
 M.E. Directorate
 Govt. of West Bengal

Vatted

 7.5.25
ANIMESH RAY
 Executive Engineer
 Bankura Division
 M.E. Directorate
 Govt. of West Bengal

**DETAIL ESTIMATE FOR CONSTRUCTION OF COMMUNITY TOILET AT BISWASPARA AT WARD NO-09
WITHIN BISHNUPUR MUNICIPALITY. (SANITARY & PLUMBING PART)**

SL.NO.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGH T(M)	QUANTI TY	UNIT	RATE(RS)	AMOUNT(RS.)
PAGE NO.-12, ITEM NO.-19 (I), P.W.D. SCHEDULE-2017 (Sanitary Works)									
1	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					18	Mtr	101	1818.00
	15 mm	1	18			15	Mtr	129	1935.00
	20 mm	1	15			11	Mtr	177	1947.00
	25 mm	1	11						
PAGE NO.-12, ITEM NO.-19 (I), P.W.D. SCHEDULE-2017 (Sanitary Works)									
2	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					12	Each	10	120.00
	(B) Socket (Dia) 15 mm	12	1			9	Each	14	126.00
	20 mm	9	1			8	Each	23	184.00
	25 mm	8	1			7	Each	13	91.00
	(C) Elbow (Dia) 15 mm	7	1			6	Each	18	108.00
	20 mm	6	1			6	Each	27	162.00
	25 mm	6	1			8	Each	14	112.00
	(E) Tee (Dia) 15mm	8	1			8	Each	23	184.00
	20 mm	8	1			7	Each	36	252.00
	25 mm	7	1						
PAGE NO.-3, ITEM NO.-3, P.W.D. SCHEDULE-2017 (Sanitary Works)									
3	(iii) Chromium plated shower arm 240 mm long (Equivalent to Code No. 536(A) & Model - Tropical / Sumthing Special of ESSCO or similar brand)					2	nos	309	618.00
		2	1						
PAGE NO.-6, ITEM NO.-7, P.W.D. SCHEDULE-2017 (Sanitary Works)									
4	Supplying, fitting and fixing the cock or stop cock (C.I. or P.V.C. or equivalent) 15 mm					14	nos	154	2156.00
		14	1						
PAGE NO.-36, ITEM NO.-2 P.W.D. SCHEDULE-2017 (Sanitary Works)									
5	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					4	nos	1015	4060.00
		4	1						
PAGE NO.-37, ITEM NO.-6 P.W.D. SCHEDULE-2017 (Sanitary Works)									
6	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (a) 500 litre capacity					1	nos	2584	2584.00
		1	1						
PAGE NO.-37, ITEM NO.-10 P.W.D. SCHEDULE-2017 (Sanitary Works)									
7	Labour for hoisting plastic water storage tank.					1	nos	96	96.00
		1	1						
PAGE NO.-38, ITEM NO.-13, P.W.D. SCHEDULE-2017 (Sanitary Works)									
8	Labour for punching hole in plastic water storage tank upto 50 mm dia.					3	nos	19	57.00
		3	1						

S.L.NO.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGH T(M)	QUANTI TY	UNIT	RATE(RS)	AMOUNT(RS.)
PAGE NO.-64, ITEM NO.-08, P.W.D. SCHEDULE-2017 (Sanitary Works)									
9	Supplying, fitting & fixing approved patent vent cowl I.C.I. conforming to I.S.S and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid separately). (i) 100 mm dia.					1	nos	367	367.00
		1	1			1	nos		
PAGE NO.-64, ITEM NO.-10, P.W.D. SCHEDULE-2017 (Sanitary Works)									
10	Supplying, fitting & fixing Aluminium domical grating. (iii) 100 mm					8	nos	49	392.00
		8	1			8	nos		
PAGE NO.-65, ITEM NO.-14, P.W.D. SCHEDULE-2017 (Sanitary Works)									
11	Supplying, fitting and fixing cast iron 'P' or 'S' trap conforming to I.S. 3989/ 2009 and 1729/ 2002 including lead caulked joints and painting two coats to the exposed surface. (Painting to be paid separately).					4	nos	948	3792.00
	(A) 'P' Trap (iii) 100mm dia	4	1			4	nos		
PAGE NO.-79, ITEM NO.-04, P.W.D. SCHEDULE-2017 (Sanitary Works)									
12	Supplying, fitting and fixing Orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap (excluding cost of concrete for fixing). ii) 530 mm X 410 mm					4	nos	1522	6088.00
		4	1			4	nos		
PAGE NO.-80, ITEM NO.-06, P.W.D. SCHEDULE-2017 (Sanitary Works)									
13	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					2	nos	945	1890.00
		2	1			2	nos		
PAGE NO.-80, ITEM NO.-07, P.W.D. SCHEDULE-2017 (Sanitary Works)									
14	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 separately). (i) 450 mm X 350 mm					2	nos	881	1762.00
		2	1			2	nos		
PAGE NO.-81, ITEM NO.-11, P.W.D. SCHEDULE-2017 (Sanitary Works)									
15	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i) Polythene Flush Pipe					2	nos	155	310.00
		2	1			2	nos		
PAGE NO.-81, ITEM NO.-12, P.W.D. SCHEDULE-2017 (Sanitary Works)									
16	Supplying, fitting and fixing urinal flush pipe fittings of approved brand (c) C.P. urinal flush pipe fittings range of three					2	nos	1248	2496.00
		2	1			2	nos		
PAGE NO.-82, ITEM NO.-17, P.W.D. SCHEDULE-2017 (Sanitary Works)									
17	Supplying, fitting and fixing liquid soap container. d) Polythene					6	nos	98	588.00
		6	1			6	nos		
PAGE NO.-82, ITEM NO.-17, P.W.D. SCHEDULE-2017 (Sanitary Works)									
18	Supplying, fitting and fixing soap holder (a) PTMT (Prayag or equivalent)					6	nos	135	810.00
		6	1			6	nos		
PAGE NO.-82, ITEM NO.-19, P.W.D. SCHEDULE-2017 (Sanitary Works)									
19	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm					2	nos	613	1226.00
		2	1			2	nos		
PAGE NO.-82, ITEM NO.-22, P.W.D. SCHEDULE-2017 (Sanitary Works)									
20	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass, (ii) 25 mm dia. and 600 mm long					4	nos	430	1720.00
		4	1			4	nos		
PAGE NO.-41, ITEM NO.-02, P.W.D. SCHEDULE-2017 (Sanitary Works)									
21	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., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint.					2	nos	2208	4416.00
	ii) 550 mm X 400 mm size	2	1			2	nos		

L.NO.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGH T(M)	QUANTI TY	UNIT	RATE(RS)	AMOUNT(RS.)
PAGE NO.-87, ITEM NO.-01, P.W.D. SCHEDULE-2017 (Sanitary Works) (6th Corrigendum,01/11/2019)									
22	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. (SAIL/TATA/RINL)	1	1			1	nos	6495	6495.00
PAGE NO.-88, ITEM NO.-03, P.W.D. SCHEDULE-2017 (Sanitary Works)									
23	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.1. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be follwed as per IS:2470,Part- I.Payment will be made separately on the basis of actual height based on relevant I.S. Code. (iii) For 20 users (JSW/JSPL/SHYAM/BANSL/ELECTRSTEEL)	1	1			1	nos	44120	44120.00
PAGE NO.-89, ITEM NO.-04, P.W.D. SCHEDULE-2017(6th Corrigendum,01/11/2019) (Sanitary Works)									
24	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 1.00 m inside dia. (Other than SAIL/TATA/RINL)	1	1			1	nos	14586	14586.00

L.NO.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGH T(M)	QUANTI TY	UNIT	RATE(RS)	AMOUNT(RS.)
1/ Page No-49 & 50 P.W.D. SCHEDULE-2017									
25	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. (a) For depth upto 150 metre. (iii) 80 mm dia. boring etc					36	mtr	197	7092.00 ✓
2 / Page -13 Item - 19 (III) P.W.D. SCHEDULE-2017									
26	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 (Dia)					36	mtr	578	20808.00 ✓
	80 mm					25	mtr	282	7050.00 ✓
	50 mm								
Page - 52 Item -5 P.W.D. SCHEDULE-2017									
27	Supplying high density polythene strainer of approved make with adapter conforming to I.S. specifications. (ii) 80mm dia					8	mtr	820	6560.00 ✓
Page-53 Item -9 P.W.D. SCHEDULE-2017									
28	Supplying, fitting and fixing steel cutter piece upto 450 mm long with Socket. 75 mm dia					1	No	403	403.00 ✓
Page-53 Item -10 P.W.D. SCHEDULE-2017									
29	Supplying, fitting and fixing plug of approved make conforming to I.S. Specification. 75 mm dia					1	No	130	130.00 ✓
Page - 9, Sl.No. A-11, P.H.E. Schedule									
30	Supply and delivery of clear water vertical wet type submersible pump suitable for bore well conforming to IS : 8034 (and as amended thereafter) with standard tuOC fo. potable clear cold water and BEE 3 Star Rated. capable of discharging noted M ³ /h. against head of water column. The pump shall be directly coupled with a continuous rated 2-pole suitable wet type vertical squirrel cage induction motor conforming to IS : 9253 (and as amended thereafter), suitable for operation in A-C Single phases 220Y, 50Hz (category B motor) (dia 100mm, 1 H.P., 7 stage, 45 m head, 2.5 m ³ /hr, 38mm NRV size)					1	No	16045	16045.00 ✓
Page -55 Item -24 P.W.D. SCHEDULE-2017									
31	packing the annular space between the outside of the tubewell pipes and strainers and the bore with pea size washed gravel of approved quality having size from 2mm to 5mm or the size approved by the E.I.C. including cost of all materials, labour and equipment complete.					3.25	cum	2029	6594.25 ✓
	Note:-Initial 6mtr of annular space between the huosing pipe and the bore should not be shrouted with pea size gravel to avoid continuation with surface water								
P-53, Item No.-11									
32	Supplying, fitting, and fixing check valve/bal valve (vertical) PVC tested to 21 kg per sq.cm (50 mm dia) (payment made as per local market rate)					2	No	1447	2894.00 ✓

NO.	DESCRIPTION OF ITEMS	NO.	LENGT H(M)	BREAD TH(M)	HEIGH T(M)	QUANTI TY	UNIT	RATE(RS)	AMOUNT(RS.)
Page -54 Item -16									
33	Supplying, fitting and fixing 15 mm dia. galv. M.S. connecting rod with sockets.					24	mtr	73	1752.00 ✓
PWD S&P Works Page-54, Item No.- 18(ii)									
34	Supplying, fitting and fixing G.I. cap at top (iii) 150 mm Dia					1	No	503	503.00 ✓
P-33, Item No.-1									
35	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007 Ball Valve								
	20 mm dia.					11	each	152	1672.00 ✓
	32 mm dia					8	each	399	3192.00 ✓
PWD S&P Works Page-55, Item No.- 20									
36	Washing and developing tube well with air compressor pump and engine for 8 (eight) hours continuous pumping per day with necessary arrangements for testing the yield in gallons per hour with 'V' notch including hire and labour charges for all tools and plants and scaffolding as required. hour with V notch including hire and labour charges for all tools and plants and Scaffolding as required complete in all respect.					1	day	7538	7538.00 ✓
								Total Rs. (A)	189901.25 ✓
								Add 18% GST Of A (B)	34182.22
								TOTAL (A+B) (C)	224083.47 ✓
								Add 1% Cess of C (D)	2240.83
								TOTAL Rs. (C+D)	226324.30 ✓
								Add 3% Contingency	6722.50 ✓
								Total Rs.	233046.80
								Say Rs.	233046.00

233047.00

Atanu Pal
22.4.2025

SAE
Bishnupur Municipality

pe
Chairman
Bishnupur Municipality

AM
02.05.25
ALI MURTAJA MONDAL
Junior Engineer (Civil)
Bankura Division
M.E. Directorate
Govt. of West Bengal

SE
07/05/25
Assistant Engineer
Bankura Divn.(Works)
M.E. Directorate
Govt. of West Bengal

Vetted
ANIMESH RAY
07.5.25
ANIMESH RAY
Executive Engineer
Bankura Division
M.E. Directorate
Govt. of West Bengal