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507(A),GANGA-A,VASTU VIHAR,PH-VI,AIIMS-1,NH-139,NAUBATPUR RD,BHUSAULA,PATNA-801505,BIHAR,M-9430001170

REF:-DAV-AB/SB/ST/01/25-26

Date:- 18 NOV. 2025

FOR TECHNICAL APPROVAL

ABSTRACT OF COST OF CONSTRUCTION OF SEPTIC TANK FOR OFFICE TOILET AT D.A.V. PUBLIC SCHOOL, DAYANAND VIHAR, AURANGABAD, BIHAR.						
Sl.No.	S.O.R.	DESCRIPTION	Qty.	Unit.	Rate	Amount
		(1) SEPTIC TANK FOR OFFICE				
		Area of Septic tank = 80 SFT (7.43 SM)				
		SECTION-I (DISMANTLING)				
1	MR	Dismantling and cleaning of P.C.C.floor,Brick work,etc	LS			
		SECTION-II (EARTH WORK/SAND FILLING)				
2	2.8.	Earth work in excavation in foundation trenches or drains (not exceeding 1.5M in width or 10 sqm on plan) including dressing of sides and ramming of bottoms ,lift upto 1.5 M including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 M.				
	2.8.1	All kinds of soil.	30.43	Cum		
3	2.28	Supplying and filling in plinth with local sand and under floors including watering, ramming, consolidating and dressing complete.	0.70	Cum		
		SECTION-III (R.C.C./P.C.C. WORK)				
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
	4.1.2	1:1.5:3 (1 cement, 1.5 coarse sand, 3 graded stone aggregate 20mm nominal size.)	0.90	Cum		
5	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth.				
	5.1.2	1:1.5:3 (1 cement, 1.5 coarse sand, 3 graded stone aggregate 20mm nominal size)	0.90	Cum		
6	5.2	Reinforced cement concrete work in wall(any thickness)including attach pilasters, buttresses, plinth and string courses,fillets, columns, pillars, piers, abutments,posts and struts etc. upto floor five level excluding cost of centering, shuttering finishing and reinforcement.				
	5.2.2	1:1.5:3 (1 cement, 1.5 coarse sand, 3 graded stone aggregate 20mm nominal size.)	0.86	Cum		
7	5.3	Reinforced cement concrete work in Beams , suspended floors, roofs, having slope upto 15				

Sl.No.	S.O.R.	DESCRIPTION	Qty.	Unit.	Rate	Amount
		landings, balconies, shelves, chajjas, lintels, bands, plain window sills, stair cases and spialar stair cases upto floor five level excluding the cost of centering shuttering, finishing and reinforcement with 1:1.5:3 (1 cement;1.5coarse sand; 3 graded stone aggregate 20 mm nominal size)	1.32	Cum		
8	5.9	Centering and shuttering including strutting propping etc and removal of form for				
	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	2.54	Sqm		
	5.9.3	Suspended floors, roofs, landings balconies and access platform.	7.43	Sqm		
	5.9.5	Lintels, Beams, plinth beams, girders, bressumers and cantilevers.	10.96	Sqm		
	5.9.6	Columns, pillars, piers, abutments posts and struts.	14.24	Sqm		
	5.9.16	Edges of slabs and breaks in floors and walls.				
	5.9.16.1	Under 20 cm wide.	14.63	Rm		
9	5.22	Reinforcement for R.C.C. work including straight-ening ,cutting ,bending,placing in position and binding all complete.				
	5.22.7A	Thermo-Mechanically treated bars TMTC-500-8mm.	175	Kg		
	5.22.7C	Thermo-Mechanically treated bars TMTC-500-12mm	160	Kg		
		SECTION-IV (MASONRY WORK)				
10	6.1A	Brick work with bricks of class designation 100A in foundations and plinth in				
	6.1.14A	Cement mortar 1:6 (1 cement:6 coarse sand)	4.65	Cum		
11	6.18.4A+ 6.19A	Half brick masonry with bricks of class designation 100A in super structure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4 coarse sand).	16.60	Sqm		
		SECTION - V (FLOORING WORK)				
12	11.3	Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry etc. but excluding the cost of nosing of steps etc. complete.				
	11.3.1	40mm thick with 20mm nominal size stone aggregate	7.43	Sqm		
13	11.72	Providing designation 100A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification ad direction of E/I.	9.18	Sqm		
		SECTION-VI (PLASTER WORK)				
14	13.12	15 mm cement plaster on rough side of single or half brick wall of mix				
	13.12.4	1:6 (1 cement; 6 coarse sand).	4.46	Sqm		

Sl.No.	S.O.R.	DESCRIPTION	Qty.	Unit.	Rate	Amount
15	13.17.2	12 mm cement plaster 1:4(1 cement: 4 coarse sand) finished with a floating coat of neat cement.	42.10	Sqm		
		SECTION-VII (FINISHING WORK)				
16	13.79	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade				
	13.79.1	New work (three or more coats)	4.46	Sqm		
		SECTION-VIII (DRAINAGE WORK)				
17	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS:10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23mmx25mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by rubbing or chequered besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacturer's permanent indetification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement cocrete block 1:3:6 (1 cement:3 coarse sand: 6 graded stone aggregate 20 mm nominal size) complete as per desigh.	9	No		
18	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				
	19.19.3.1	Circular shape 560 mm internal diameter.	1	No		
19	MR	Providing and fixing 100 mm dia M.S. vent pipe	1	No		
		TOTAL				
		Add 5% extra for external and internal PHE work,				
		GRAND TOTAL				
		FOUNDING OFF				
		Cost of construction per S.Ft.				

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Sl.No.	S.O.R.	DESCRIPTION	Qty.	Unit.	Rate	Amount
		(2) NP2 PIPE FROM OFFICE TOILET TO S. TANK				
		Length of NP2 Pipe = 60 RFT (16.76 SM); I.Chamber - 2 No.				
		SECTION-I (EARTH WORK/SAND FILLING)				
1	2.8.	Earth work in excavation in foundation trenches or drains (not exceeding 1.5M in width or 10 sqm on plan) including dressing of sides and ramming of bottoms ,lift upto 1.5 M including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 M.				
	2.8.1	All kinds of soil.	2.36	Cum		
		SECTION-II (DRAINAGE WORK)				
2	19.6	Providing and laying non-pressure NP2 class(light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete:				
	19.6.2	150 mm dia. R.C.C. pipe	16.76	metre		
3	19.27	Constructing brick masonry road gully chamber 50x45 x60 cm with bricks in cement mortar 1:4 (1 cement: 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design:				
	19.27.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	2.00	Each		
		TOTAL				
		FOUNDING OFF				
		Cost of construction per R.Ft.				