

UP STATE CONSTRUCTION & INFRASTRUCTURE DEVELOPMENT CORPORATION Ltd.

erstwhile:- U.P. SAMAJ KALYAN NIRMAN NIGAM LTD

ABSTRACT OF COST

NAME OF WORK : CONSTRUCTION OF TOILET BLOCK at G.G.I.C.,
Bulandshahar

S.No.	Description		Amount
1	Cost of Civil Works	Rs.	715060.75
4	Cost of Septic Tank	Rs.	73596.21
4	Cost of Soak Pit	Rs.	22438.00
6	Cost of Submersible Pump	Rs.	50000.00
	Total	Rs.	861094.96

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Abstreet of cost

Name of work :- .Construction of work Toilet Block . hahr

S.N.	ITEM	QTY.		RATE	AMOUNT
1	Cleaning of jungle and Layout of Building	150.00	sqm	10.00	1500.00
2	Providing Layout of Building including Making of Pillar for center Line /Plinth	62.00	sqm	11.00	682.00
3	E/Work in Excavation on Plinth Front wall	28.79	sqm	84.00	2418.36
4	Lean Concrete 1:5:10 in Plinth	6.08	cum	3200.00	19456.00
5	B/Work in 1:6 C:C/Sand Plinth Front wall 23 thick wall	17.38	cum	4200.00	72996.00
6	R.C.C. Plinth Band in 1:1.5:3	3.62	cum	6950.00	25159.00
7	B/Work 1:6 C:C/sand Super structure	23.35	cum	4710.00	109978.50
8	0.115 B/Work 1:4	4.27	cum	4830.00	20624.10
9	RCC. Lintal Band 1:1.5:3 C:C/sand: S/Gritt 20mm	2.22	cum	7450.00	16539.00
10	20mm Plaster 1:2 Cement :C/sand Mortar	8.73		250.00	2182.50
11	Slab 1:1.5:3 Cement C/sand	9.99	cum	7750.00	77422.50
12	B/Work in perapit 1:4 C:C/sand	1.85	cum	4830.00	8935.50
13	B/Coba Top of roof	62.78	sqm	900.00	56502.00
14	10mm cealing plaster 1:6 C:C/sand	70.92		160.00	11347.20

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S.N.	ITEM	QTY.		RATE	AMOUNT
15	15mm Plaster 1:6 C:C/S in side the wall	58.34	sqm	147.00	8575.98
16	12mm Plaster 1:6 C:C/S out side	128.52	sqm	147.00	18892.44
17	20mm thick Plaster 1:6 C:C/ Sand	3.01		250.00	752.50
18	Making Drip coarse With 1:2	6.30		20.00	126.00
19	P/fixing Vitrified wall tiles with 1:3 Cement :C/Sand Base Plaster	0.00	sqm	1300.00	0.00
20	Earth Work Filling in pilinth From out Side	29.58	cum	576.00	17038.08
21	Sand Filling under Floor Compection Complete i/c all material.	5.34		1700.00	9078.00
22	Soiling Brick on edge along apron in 1:4 cement and coarse sand mortar .	0.65	cum	4830.00	3139.50
23	PCC. 40mm brick ballast In 1:5:10 :C:C/sand in floor Except W.C.	6.84	cum	3200.00	21888.00
24	P/Fixing Vitrifide tiles in 1:3 C:C/sand Mortar In floor	0.00	sqm	1300.00	0.00
25	P/Fixing of Granite Stone With 1:3 Cement :C/Sand mortar.	0.00	sqm	3406.67	0.00
26	P/Fixing of Granite Stone With 1:3 Cement :C/Sand mortar.	27.31	sqm	3406.67	93036.16
27	P/Fixing of Checkered tiles with 1:3 C:C/Sand Mortar.	0.00	sqm	691.05	0.00

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S.N.	ITEM	QTY.		RATE	AMOUNT
28	25mm thick PCC. Floorig With 1:2:4 C:C/Sand And stone Grit in Apron.	21.34			
			sqm	230.00	4908.20
29	P/Fixinf of Aluminium Door Frame i/c Supply of all material	0.00			0.00
			sqm	5500.00	0.00
30	P/Fixinf of Aluminium Grill Frame i/c Supply of all material	0.00			
				1650.00	0.00
31	P/Fixinf of Collepsible Steel Shutter Complete with all respect i/c Supply of all material	4.20			
				2850.00	11970.00
32	M.S. /Tor steel iron Work in RCC.	1339.63			
			Kg	58.00	77698.54
33	Making Goods Surface By JK/Birla Putty Two Coat	0.00			0.00
			sqm	55.00	0.00
34	Oil Boud Distemper 2Coat With 1 coat of white cement Primer	0.00			
			sqm	68.00	0.00
35	water Proof Cement Painting 2 Coat with one coat of White Cement. Only one coat White cement	0.00			
			sqm	66.00	0.00
36	M.S. Railling Complete in Ramp	106.56			
			Kg	62.00	6606.72
37	Enamel Paint 2 coat to Give an even Shade	0.00			
			sqm	82.00	0.00
38	P/fixing of Box Type Fan Hook With Cover	1.00			
				163.00	163.00
39	P/Fixing Ceiling Fan i/C Supply of all material.	0.00			
				1700.00	0.00
40	P/Fixing of Exhaust Fan	0.00			
				3100.00	0.00

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S.N.	ITEM	QTY.	RATE	AMOUNT
41	P/Fixing of Table and chair i/c of all material	1.00		
			5000.00	5000.00
42	P/Fixing Aluminium Ladder i/c of All material.	1.00		
			3500.00	3500.00
43	P/fixing of PVC. Rain water Pipe Conceiled in walls I.S.I. 6kg 1cm 100mm dia i/c with all material.	6.60		
			Rmt 370.00	2442.00
44	P/ Fixing of Glass Stirrups 22x5mm	42.68		
			16.00	682.88
	TOTAL			711240.66

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TOILET BLOCK

ABSTRACT OF COST

SNo	Particulars	Unit	Quantity	Rate	Amount
A SANITARY INSTALLATIONS					
1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231 with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan. of size 580x440mm with integral type foot rests [17.1.1 / 287]	nos		3265.25	0.00
2	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern and C.P. flush bend with fittings & C.I./M.S. brackets, 40mm flush bend, over-flow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid [17.3.1 / 287]	nos		4636.25	0.00
3	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required Single squatting plate with 5 litre P.V.C. automatic flushing cistern. (17.6.1/288)	nos		4023.50	0.00
4	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls whereverof fittings and brackets, cutting and making good the walls wherever require:				





	Stainless Steel AISI-304(18/8) Wash basin 530x345 mm with single 15 mm C.P. brass pillar tap. (17.7.11/289)			
5	Providing and fixing P.V.C. waste pipe for wash basin or sink including P.V.C. waste fittings complete. [17.28.2 / 291] a) Flexible Pipe : 32 mm dia [17.28.2.1 / 291]	nos	2977.60	0.00
6	Providing and fixing 125 mm C.P. Jali for floor traps. [Market Rate]	nos	72.55	0.00
7	Providing and fixing 600X450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. [17.31/ 291]	nos	35.00	0.00
8	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shape with 6 mm thick hard board backing : Rectangular shape 1500x450 mm [17.32.4 / nos 291]	nos	762.55	0.00
9	Providing and fixing toilet paper holder : C.P. brass [17.34.1 / 291]		1304.75	0.00
10	Providing and fixing of soil, waste and vent pipes : a) 100 mm dia : Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989 [17.35.1.2 / 291]	nos	339.85	0.00
11	Providing and filling the joints with spun yarn cement slurry and cement mortar 1:2 in S.C.I. pipes : 100 mm dia pipe. a) For 100 mm pipes [17.36.2 / 292]	rmt nos	42.40 14.00	952.50 70.10 40386.00 981.40
12	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. a) 100 mm dia : Sand cast iron S&S pipe as per IS : 3989 [17.38.1.2 / 292]			
13	Providing and fixing plain bend of required degree. a) 100 mm dia : Sand cast iron S&S pipe as per IS : 3989 [17.39.1.2 / 292]	nos	19.00	384.45 7304.55
14	Providing and fixing door piece, insertion rubber washer 3 mm thick, bolts and nuts complete:	nos	14.00	334.50 4683.00

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	a) 100 mm dia : Sand cast iron S&S pipe as per IS : 3989 [17.55.1.2 / 295]				
15	Providing and fixing terminal guard	nos	14.00	512.20	7170.80
	a) 100 mm dia : Sand cast iron S&S pipe as per IS : 3989 [17.56.1.2 / 295]				
16	Providing lead chaulked joints to sand cast iron pipes and fittings of diameter :	nos	5.00	433.20	2166.00
	a) 100 mm [17.58.1 / 296]				
17	Providing and fixing trap of self cleansing design with screwed down or hinged grating including cost of cutting and making good the walls and floors: Trap [17.60.1.1/272]				
	a) 100 mm inlet and 100 mm outlet : Sand cast iron S&S pipe as per IS : 3989 [17.60.1.1 / 296]				
18	Painting sand cast iron soil, waste vent pipes and fittings with two coats of synthetic enamel paint of any approved colour over a coat of primer (of approved quality) for new work:	nos	5.00	752.20	3761.00
	a) 100 mm diameter pipe [17.65.1 / 296]	rmt	18.15	33.85	614.38
Total of sanitary Instalation					67067.13

B WATER SUPPLY

1	Providing and fixing G.I. pipes complete with fittings and clamps, including cutting and making good the walls etc.				
	Internal work - Exposed to wall				
	a) 25 mm dia nominal bore. [18.10.3 / 320]	rmt	33.00	304.15	10036.95
	b) 32 mm dia nominal bore. [18.10.4 / 320]	rmt	30.00	343.20	10296.00
2	Providing and fixing G.I. pipes complete with fittings and clamps, including making good the walls etc. Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
	a) 15 mm dia nominal bore. [18.11.1 / 320]	rmt	18.80	306.05	5753.74
	b) 20 mm dia nominal bore. [18.11.2 / 320]	rmt	7.50	333.85	2503.88
3	Providing and fixing brass bib cock of approved quality 15 mm nominal bore. [18.15.1 / 321]				
4	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)	nos	0.00		0.00
	a) 25 mm dia nominal bore [18.17.1 / 321]	nos	5.00	428.85	2144.25
	b) 32mm dia nominal bore[18.17.2/321]	nos	1.00	501.50	501.50

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5	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore [18.18.3 / 321]	nos	0.00	446.95	0.00
6	Providing and fixing uplasticised PVC connection pipe with brass unions. [18.21.2.1 / 322]				
	a) 45 cm length 15 mm nominal bore	nos	0.00	67.35	0.00
7	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work:				
	a) 25 mm diameter pipe. [18.38.3 / 326]	rmt	33.00	14.95	493.35
	b) 32 mm diameter pipe. [18.38.4 / 326]	rmt	30.00	17.70	531.00
8	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (new works)				
	b) 20 mm dia nominal bore [18.46.2 / 327]	nos	13.00	188.50	2450.50
	c) 25 mm dia nominal bore [18.46.3 / 327]	nos	5.00	200.10	1000.50
	d) 32 mm dia nominal bore [18.46.4 / 327]	nos	4.00	240.75	963.00
9	Providing and placing on terrace polyethylene water storage tank with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tanks. [18.48 / 327]				
		litre		6.30	0.00
10	Providing and fixing C.P. brass bib cock of approved quality : 15 mm nominal bore [18.49.1 / 327]	nos		458.40	0.00
11	Providing and fixing C.P. brass long nose bib cock of approved quality : 15 mm nominal bore [18.50.1 / 328]	nos		795.20	0.00
12	Providing and fixing C.P. brass angle valve for basin mixer of approved quality : 15 mm nominal bore. [18.53.1 / 328]	nos		506.70	0.00
13	Cutting holes up to 30x30 cm in walls including making good the same : With common burnt clay F.P.S. (non modular) bricks [18.76.1 / 332]	nos	15.00	207.95	3119.25
Total of Water Supply					39793.92

C DRAINAGE

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1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 150 mm diameter [19.1.2 / 349]	rmt	30.00	301.90	9057.00
2	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300 mm size (inside) as per standard design : 180 x 150 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 [19.4.3.1 / 350]				
3	Construction brick masonry manhole in cement mortar 1:4 c:c/s with R.C.C. top slab with 1:2:4 c:c/s/g foundation concrete 1:4:8 c:c/s/b inside plastering 12 mm thick 1:3 c:c/s finished with floating coat of neat cement and making channels in cement concrete 1:2:4 c:c/s/g finished with floating coat of neat cement complete as per standard design : a) Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 [19.7.1.1 / 351]	nos	3.00	1635.00	4905.00
		nos	3.00	5390.98	16172.94
Total of Drainage					30134.94

D SEPTIC TANK / SOAK PIT

1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth . 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth , lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil (2.6.1)	cum	0.00	146.50	0.00
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2	Providing and laying in position cement concrete of specified grade excluding the cost of centering & shuttering - All work up to plinth level : 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	(4.1.8)	cum	0.00	3920.65	0.00
3	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in : Cement mortar 1:6 (1 cement : 6 coarse sand) (6.1.2)		cum	0.00	4646.50	0.00
4	40mm thick Cement concrete flooring 1:2:4 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size). (11.3)		sqm	0.00	316.80	0.00
5	20 mm cement plaster of mix finished with a floating coat of neat cement plaster 1:3 (1Cement : 3 Coarse sand) (13.9.2)		sqm	0.00	269.00	0.00
6	Providing and laying in position specified grade of RCC excluding the cost of shuttering , finishing and reinforcement 1;1.5:3 (1 Cement : 1.5 coarse sand: 3 stone grit 20mm nominal size) All works upto plinth level (5.1.2) Slab and Slab Beams		cum	0.00	5552.25	0.00
7	Steel Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto & above plinth level. Thermo-Mechanically Treated Bars (5.22.6)		kg	0.00	58.00	0.00

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9	Raising manhole cover and frame slab to required level. Rectangular manhole 90x80cm with rectangular cover 600x450mm grade LD-2.5 (19.26.1)	nos	0.00	1446.35	0.00
10	Centering and shuttering including strutting, propping etc and removal of form for Slab (5.9.3)	sqm	0.00	371.80	0.00
11	Making soakpit 2.5m dia 3.0m deep with 45x45 cm dry brick honeycomb shaft with bricks and SW Drain pipe 150mm dia 1.8m long complete as per standard design [19.32.1/357]	each	0.00	16705.45	0.00
Total of SEPTIC TANK / SOAK PIT					0.00

Summary Of cost Sanitary/plumbing/ water supply/drainage/septic tank soakpit

A	SANITARY INSTALLATIONS	Rs	67067.13
B	WATER SUPPLY	Rs	39793.92
C	DRAINAGE	Rs	30134.94
D	SEPTIC TANK / SOAK PIT	Rs	0.00
		Rs	<u>136995.98</u>

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