

Bill of Quantity for the work Provision of septic tank and chambers along with all allied works at Executive Hostel of Urimari under Urimari Project, Barka-Sayal Area.

Sl. No.	Description of work	Qty.	Unit	Updated rate	Updated Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means foundation trenches, drain not exceeding 1.5 m in width as well as 10 sqm on plan including dressing of sides and ramming of bottom, lift up to 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m. (All kinds of soils).	54.44	cum	188.45	10259.22
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5m.	18.1467	cum	114.40	2075.98
3	Providing and laying cement concrete of specified grade excluding the cost of centering and shuttering in all works up to plinth level : 1:4:8 (1cement : 4coarse sand : 8graded stone aggregates 40 mm nominal size).	3.06	cum	5167.75	15813.32
4	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but excluding cost of reinforcement, with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size).	2.04	cum	8356.10	17046.44
5	Reinforcement for RCC work including straightening, cutting, bending, binding and placing in position complete: Thermo Mechanically Treated bars.	163.20	kg	75.85	12378.72
6	Brick work with FPS bricks of class designation 50 in foundation and plinth using cement mortar 1:6 (1cement : 6coarse sand).	13.53	cum	5322.15	72008.69
7	Cement concrete flooring 1:2:4 (1cement : 2coarse sand : 4graded stone aggregates) finished with a floating coat of neat cement including cement slurry but excluding the cost of nosing of steps etc. complete: 40 mm thick with 20 mm nominal size stone aggregates.	11.20	sqm	452.50	5068.00
8	12mm cement plaster finished with a floating coat of neat cement of mix: 1:4 (1cement : 4fine sand).	43.95	sqm	284.75	12514.76

9	Providing and fixing on wall face unplasticized rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion: Single socketed pipes: 100 mm diameter.	200.00	metre	262.40	52480.00
10	Providing and fixing on wall face unplasticized PVC – moulded fittings / accessories for unplasticized rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring confirming to IS: 5382 leaving 10mm gap for thermal expansion: Bend 87.5 degree: 110mm bend.	60.00	each	114.60	6876.00
11	Construction of brick masonry chamber for under ground C.I. inspection chamber and bends with 75 class designation bricks in cement mortar 1:4 (1cement : 4coarse sand) with C.I. cover with frame (light duty) 455x610mm internal dimensions total weight of cover and frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg)., R.C.C. top slab with 1:2:4 (1cement : 2coarse sand : 4graded stone aggregates 20mm nominal size), foundation concrete 1:5:10 (1cement : 5coarse sand : 10graded stone aggregates 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1cement : 3coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 455x610 mm and 45cm deep single pipe line with F.P.S. bricks.	12.00	each	5215.45	62585.40
12	Making soak pit 2.5metre diameter, 3metres deep with 45x45cm dry brick honeycomb shaft with bricks of class designation 75 and S.W. drain pipe 100mm diameter, 1.80m long complete as per standard design with FPS bricks.	2.00	each	21806.30	43612.60
13	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100mm sand cast iron P or S trap, 10.0 lts. low level 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 580 x 440 mm with integral type foot rests.	5.00	each	4774.45	23872.25

14	Providing and fixing white vitreous china pedestal type water closet (European type WC pan) with seat and lid, 10 lts. low level P.V.C. flushing cistern with manually controlled device (handle lever, conforming to IS:7231, eith all fittings and fixtures complete including cutting and making good the walls and floors wherever required: WC pan with ISI marked white solid plastic seat and lid.	5.00	each	4565.40	22827.00
15	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32mm dia. C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required: White Vitreous China Flat back wash basin size 550x400 mm with single 15mm C.P. brass pillar tap.	5.00	each	1458.10	7290.50
16	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-charge: External work: 20 mm nominal outer dia pipes.	100.00	metre	217.35	21735.00
17	Providing and fixing brass bib cock 15 mm nominal bore of approved quality.	30.00	each	263.75	7912.50
18	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish lead up to 50 m and lift up to 1.5 m. (All kinds of soil).	2100.00	100 sqm	19.75	41475.00
19	Providing and fixing C.I. sluice valve (with cap) complete with nuts, bolts, rubber insertions etc. (the tail piece if required will be paid separately) : 100mm diameter Class I.	10.00	each	3489.40	34894.00
20	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-charge: Internal work - Exposed on wall: 32 mm nominal outer dia pipes.	10.00	metre	762.45	7624.50
		Total Rs.			480349.88
		GST @18%			86462.98
		Total cost Rs.			566812.86