

BOQ FOR CIVIL WORK FOR CONSTRUCTION OF RAIN WATER HARVESTING AND TOILET FOR PWD AND RENOVATION OF COMMON TOILET AT STAFF QUARTER DIMAPUR, NAGALAND					
Sl.No	Description of items	Unit	Qty	Rate(Rs.)	Amount(Rs.)
A	RAINWATER HARVESTING WORK				
1	Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified. (A) Up to a depth of 2.00m below the existing ground level a, type of soil	Cum	35		
2	Earth/ sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sales tax and other duties and taxes as may be necessary. (a) With earth or silt or sand obtained by head load with lead upto 90m and lift upto 2m	Cum	3		
3	Supplying and filling sand gravel in foundation trenches of column footings over slushy soil including local carriage of materials within 8 km pumping out of water, ramming etc. complete for strengthening the bearing capacity of the soil as directed and specified including payment of Forest Royalty and Sales Tax and other duties and taxes as may be necessary.	Cum	3		
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum	1.2		
5	Providing and laying in position cement concrete of specified grade for repairing of pathways of thickness 100 mm in patches after excavation for laying of pipes. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	SQM	50		
6	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering and finishing but excluding the cost of reinforcement - All work in substructure and super structure: 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	7.2		
7	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	SQM	72		
8	230mm thick brick wall in cement mortar with 1st class brick including racking out joints and curing complete as directed in structure (I) In Sub-structure upto plinth level including dewatering if necessary (a). In proportion 1:3.	Cum	7		
9	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 12 mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand)	SQM	86		
10	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars	KG	792		
11	Supplying,fitting and fixing PVC pipes of 6kg/cm2 (Supreme/Prince) or other ISI approved including joining,fitting and fixing with clamps etc as necessary complete at all levels including below G.L as directed as specified a) In exposed surfaces or trenches 110 mm dia	RM	350		
12	Supplying fitting and fixing approved uPVC pipes of different sizes,with all necessary"R" brand or similar aproved uPVC fittings such as bend,tee,elbow, reducer,nipple,plug,long screw fitting,clamps etc. complete at all levels including below G.L as directed and specified a) Exposed or in trenches SUPREME/PRINCE brand or other equivalent approved brand(High pressure pipe SCH-40 of 50mm	RM	30		
13	Supplying fitting and fixing approved uPVC pipes of different sizes,with all necessary"R" brand or similar aproved uPVC fittings such as bend,tee,elbow, reducer,nipple,plug,long screw fitting,clamps etc. complete at all levels including below G.L as directed and specified a) Exposed or in trenches SUPREME/PRINCE brand or other equivalent approved brand(High pressure pipe SCH-40 of 25 mm dia	RM	50		

14	Supplying and placing plastic cylindrical vertical closed top(CPVC) tank sintex/polycon/patton make over the surface with manhole cover with locking and cleaning arrangement including providing pipe for inlet and outlet pipes complete as directed. 5000 litres capacity(3 layer)	Nos	2		
15	1HP SINGLE phase Centrifugal monoblock pump set(Crompton Greaves/Aquatic/CRI/V-guard/Calma make 2900 rpm A class insulation with DOL starter(Crompton Greaves/Aquatic/CRI/V-guard/Calma make) .The rate also includes necessary supply and installation of wires from main source complete in all respect.	Nos	2		
16	ROOF SLAB REPAIRING TREATMENT: Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) 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. complete. 40 mm thick with 20 mm nominal size stone aggregate.	SQM	1070		
A	CONSTRUCTION OF TOILET FOR PWD				
17	Earthwork in excavation for foundation trenches of wall, retaining walls, footings of column, steps, septic tank etc. including refilling the quantity as necessary after completion of works, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified, including bailing out of water where necessary: Upto 2000 mm below EGL in all type of soil.	M3	8		
18	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	M3	2		
19	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering and finishing but excluding the cost of reinforcement - All work in substructure and super structure: 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	M3	3		
20	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	SQM	35		
21	Brick work in Cement mortar 1:4 (1 cement : 4 coarse sand) with 1st class bricks including racking out joints and curing complete as directed in all levels. Half brick wall (112 mm).	SQM	20		
22	12 mm thick cement plaster in single coat on fair/rough side of brick/concrete walls for interior/exterior plastering in all levels finished even and smooth including curing complete as directed: In cement mortar 1:4 (1 cement : 4 fine sand)	SQM	45		
23	Applying & Finishing walls with 2 or more coat of acrylic paint of required shade over a coat of primer. Rate including cost of primer coat. Make: Asian paint, Deulux	SQM	45		
24	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars	KG	400		

25	Ceramic glazed wall tiles : Providing and fixing 1200 x 600 mm size 8 mm thick 1st quality ceramic glazed wall tiles conforming to IS: 15622 of approved make, in all colours, shades approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) or 5 to 8 mm thick Balendura / Laticrate adhesive as advised and jointing with matching shade cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete including dismantling of existing tiles if any.. Make: Kajaria / Jhonshon/marbito	SQM	15		
26	Non skid Bathroom floor tiles : Providing and laying Ceramic non skid bathroom floor tiles of size 1200 x 600 mm 8 mm thick of approved make and shade, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), or 5 to 8 mm thick Balendura / Laticrate adhesive, as advised including pointing the joints with white cement and matching pigments etc. complete including dismantling of existing tiles if any. Make: Kajaria / Jhonshon/Marbito	SQM	5		
27	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks: 1:6 (1 cement : 6 coarse sand)	SQM	5		
28	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, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	SQM	5		
29	Suply and fixing of WPC flush door with WPC Frame for washroom of approved quality and size..	Nos	1		
30	Water Closet: (European type W.C.) Providing and fixing white vitreous china water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, 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. W.C. pan with ISI marked white solid plastic seat and lid. (WC make: Jaquar).	Nos	1		
31	Providing and fixing cp toilet paper holder of jaquar.	Nos	1		
32	Providing and fixing 2 in 1 Bib cock of approved quality conforming to IS:8931	Nos	1		
33	Supplying, Fitting & fixing of health faucet of Prayag / Jaguare / or equivalent make with one metre long Tube, Hook & all fixtures.	Nos	1		
34	Urinal: Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350, including drain pipes, painting of fittings and brackets, cutting and making good the walls and floors etc. wherever required : (make:Cera/Parryware).	Each	1		
35	Wash basin: Providing and fixing padestal wash basin with CI bracked, including painting of fittings and brackets, cutting and making the walls wherever required. White vitreous China wash basin 550 X 400 mm (WB make: Jaquar).	Nos	1		
36	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete 40 mm dia	Nos	1		
37	Providing and fixing waste cupling for basin	Nos	1		
38	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Nos	1		
39	Providing and fixing pillar cock mixture of approved quality conforming to IS:8931 :	Nos	1		
40	Providing and fixing C.P. brass angular stop cock.	Nos	2		
41	Providing and fixing uplasticised PVC connection pipe with brass unions :	Nos	2		

42	Providing and fixing UPVC/HPVC pipes complete with fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall 40 MM dia/ 25 mm dia/ 15 mm dia	RM	25		
43	Providing and fixing PVC (6kg) darinage pipes complete with fittings and clamps, bends etc complete as per direction of engineer in charge. 110 mm dia	RM	10		
44	Supply and fixing of 40 mm dia SS Grab bar for PWD Person in toilets to make it PWD person accesible	RM	10		
A	RENOVATION OF COMMON TOILET				
45	Ceramic glazed wall tiles : Providing and fixing 1200 x 600 mm size 8 mm thick 1st quality ceramic glazed wall tiles conforming to IS: 15622 of approved make, in all colours, shades approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) or 5 to 8 mm thick Balendura / Latticrate adhesive as advised and jointing with matching shade cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete including dismantling of existing tiles if any.. Make: Kajaria / Jhonshon/marbito	SQM	15		
46	Non skid Bathroom floor tiles : Providing and laying Ceramic non skid bathroom floor tiles of size 1200 x 600 mm 8 mm thick of approved make and shade, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), or 5 to 8 mm thick Balendura / Latticrate adhesive, as advised including pointing the joints with white cement and matching pigments etc. complete including dismantling of existing tiles if any. Make: Kajaria / Jhonshon/Marbito	SQM	5		
47	Applying & Finishing walls with 2 or more coat of acrylic paint of required shade over a coat of primer. Rate including cost of primer coat. Make: Asian paint, Deulux	SQM	50		
48	Suply and fixing of WPC flush door with WPC Frame for washroom of approved quality and size..	Nos	1		
49	Water Closet: (European type W.C.) Providing and fixing white vitreous china water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, 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. W.C. pan with ISI marked white solid plastic seat and lid. (WC make: Jaquar).	Nos	1		
50	Providing and fixing cp toilet paper holder of jaquar.	Nos	1		
51	Providing and fixing 2 in 1 Bib cock of approved quality conforming to IS:8931	Nos	1		
52	Supplying, Fitting & fixing of health faucet of Prayag / Jaguare / or equivalent make with one metre long Tube, Hook & all fixtures.	Nos	1		
53	Urinal: Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350, including drain pipes, painting of fittings and brackets, cutting and making good the walls and floors etc. wherever required : (make:Cera/Parryware).	Each	1		
54	Wash basin: Providing and fixing padestal wash basin with CI bracked, including painting of fittings and brackets, cutting and making the walls wherever required. White vitreous China wash basin 550 X 400 mm (WB make: Jaquar).	Nos	1		
55	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete 40 mm dia	Nos	1		
56	Providing and fixing waste cupling for basin	Nos	1		
57	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Nos	1		
58	Providing and fixing pillar cock mixture of approved quality conforming to IS:8931 :	Nos	1		

59	Providing and fixing C.P. brass angular stop cock.	Nos	2		
60	Providing and fixing uplasticised PVC connection pipe with brass unions :	Nos	2		
	Total (Excluding GST)				