

BOQ FOR CIVIL WORK FOR DRAINAGE AND PUBLIC TOILET CONSTRUCTION AT JORHAT BRANCH					
Sl.No	Description of items	Unit	Qty	Rate(Rs.)	Amount(Rs.)
1	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	SQM	10		
2	Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete. 0.80 mm thick with zinc coating not less than 275 gm/m ²	RM	50		
3	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	SQM	120		
4	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.	SQM	150		
5	Demolition of drain, Cleaning of Jungle and debris from site and dumping outside the Branch campus as per Municipal law.	LS	1		
6	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete	M3	15		
7	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	SQM	150		
8	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	50		
9	Cleaing of open drain and removal of sludge and disposal as per muncipal byelaws.	RM	60		
10	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	40		
11	12 mm thick cement plaster in single coat on fair/rough side of brick/concrete walls for interior/exterior plastering in all levels finshed even and smooth including curing complete as directed: In cement mortar 1:4 (1 cement : 4 fine sand)	SQM	40		
12	Repairing of drainage bed with Applying 15 mm thick cement concrete topping 1:2:4 finished with floating coat of neat cement finish over exisitng CC flooring after scrubbing, including curing complete.	SQM	72		
13	Pavment tiles : Providing and laying non skid coloured pavment floor tiles of size 300 x 300 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.	SQM	60		
14	Removal of cash bin cabinet from site and re placing after the flooring work in proper place as per banks direction.	LS	1		
15	Providing and laying in position specified grade of reinforced cement concrete, including the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level. 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources). Rate shall includes mixing of adequate water proofing compund of Dr. Fixit for water proofing of the floor.	CUM	5		
16	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Mild steel and Medium Tensile steel bar of 8 mm dia.	Kg	350		
	Toilet Renovation Work:				

1	Providing and laying in position specified grade of reinforced cement concrete, including the cost of centering, shuttering, finishing and reinforcement - All work. 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources).	CUM	1		
2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Mild steel and Medium Tensile steel bar of 8 mm dia.	Kg	100		
3	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	40		
4	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	90		
5	Applying & Finishing walls with 2 or more coats of acrylic emulsion paint of approved colour/shade on surfaces after preparation of base with sand papering, POP/Putty required over a coat of primer of approved brand. Including Putty wherever required. Make: Asian paint, Deulux	SQM	150		
6	Applying & Finishing walls with 2 or more coat of enamel paint of required shade on wooden and steel surface. Rate including cost of primer coat. Make: Asian paint, Deulux	SQM	40		
7	Wash basin: Providing and fixing wash basin with CI bracked, 15 mm CP brass pillar top, waste cupling, 32 mm pvc waste pipe of standard pattern including painting of fittings and brackets, cutting and making the walls wherever required. White vitreous China wash basin 550 X 400 mm with 15 mm thick C.P. Brass pillar top complete in all sense. Hindware	Each	3		
8	2 way bib cock: Providing and fixing two way bib cock with wall flange complete.	Nos	3		
9	Health Faucet: Providing and fixing of hand shower (Health faucet) with 1 metre long easy flex tube in chrome finish & wall hook complete.	Nos	3		
10	PVC Waste pipe: Providing and fixing waste pipe suitable for wash basin model mentioned in item no 5 above, including P.V.C. waste fittings complete 40 mm dia	Nos	6		
11	Connection pipe: Providing and fixing connection pipe with unions suitable for wash absin and water closet mentioned above.:	Nos	6		
12	Pillar Cock: Providing and fixing of pillar cock for basin complete.	Nos	6		
13	Angular Stop cock: Providing and fixing of angular stop cock with wall flange complete.	Nos	9		
14	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	3		
15	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	3		
16	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	70		
17	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	50		
18	Ceramic glazed wall tiles : Providing and fixing 300 x 300 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	75		

19	Non skid Bathroom floor tiles : Providing and laying Ceramic non skid bathroom floor tiles of size 300 x 300 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	25		
20	Suply and fixing of WPC flush door with WPC Frame for washroom of approved quality and size..	Nos	4		
21	Providing and laying vitrified tiles in floors, in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	SQM	20		
22	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	20		
23	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	20		
24	Demolition of brick wall tiles, pcc floor and removal of debris from site and disposal as per municipal norms	M3	30		
					TOTAL