ESTIMATE FOR CONSTRUCTION OF R.C.C PWD TOILET WITH PAVEMENT BLOCK AT ZIRO BRANCH					
Sl.No	**Description of items**	**Unit**	**Qnty**	**Rate (Rs.)**	**Amount (Rs.)**
1	Demolishing brick work,R.C.C,P.C.C,plinth protection ,doors ,windows etc manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material as per specified area by Govt. department & direction of Engineer-in-charge.	Cum	10.00		
2	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. All kinds of soil	Cum	17.00		
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 40cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	5.00		
4	Providing and laying in position site batched mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete. Concrete of M20 grade of nominal mix 1:1.5:3 with minimum cement content of 300 kg /cum.	Cum	11.00		
5	Centering and shuttering including strutting, propping etc. and removal of form for :footing,Lintels, beams, plinth beams, girders, bressumers and cantilevers,Slab, Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	60.00		
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding complete in all respect. Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	1100.00		
7	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)	Cum	4.10		
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	23		
9	WINDOWS: Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessaryfilling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Rates are inclusive of Glazing, paneling and dash fasteners Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	sqm	0.5		
10	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	Meter	3		
11	Providing and fixing ISI marked 35mm thick flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with1.0 mm thick decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. Item including Door closer, Handle, tower bolt, Motric lock, 4Nos. SS finish hings with necessary screws for each door etc. complete as per instruction by Bank.The rate is inclusive of chowkath as per instruction of Bank.	Sqm	2.52		
12	Providing and laying Ceramic glazed floor tiles of size 300x300 mm or any other size (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.	Sqm	4.50		

13	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as 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) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	15		
14	15 mm cement plaster on both side of half brick wall of mix:				
	1:5(1 cement: 5 coarse sand)	Sqm	79.00		
15	Providing and laying **Heavy Duty UPVC pipes** of approved make in floor including covering the same with concrete having 1:2:4 mix (1 cement: 2 coarse sand: 4 stone aggregate 12mm nominal size). The item includes all other accessories such as floor traps, bends, etc. as may be required with all joints to be sealed with solution, necessary digging/ chasing and covering the same properly, later etc. complete as per instructions of Architect/ Bank's Engineer.				
a	Same as above but for 110mm dia nominal bore pipe.	R.Mt.	10.00		
b	Same as above but for 75mm dia nominal bore pipe.	R.Mt.	5.00		
16	Providing and laying Chlorinated Polyvinyl Chloride (CPVC) pipes of approved make having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement including the cost of cutting chases, making good the same and including testing of joints at 7 Kg/ Sq.Mt. pressure with pressure pump.				
a	Same as above but for 15mm dia nominal bore for concealed internal piping.	R.Mt.	6.00		
b	Same as above but for 25mm dia nominal bore for concealed internal piping.	R.Mt.	10.00		
c	Same as above but for 32mm dia nominal bore for shaft or external to toilet piping.	R.Mt.	12.00		
d	Same as above but for 40mm dia nominal bore for Terrace & Tank	R.Mt.	10.00		
17	Providing and fixing approved quality UPVC Nahani Trap of approved make and having self cleansing design with C.P. pressed steel grating with or without vent arm of the below mentioned sizes for inlet and outlet including cost of cutting/ chasing and making good the floors wherever required etc. complete as per instructions of Architect/ Bank's Engineer.				
a	100mm dia nominal bore for inlet and 75mm dia nominal bore for outlet	Nos.	1.00		
18	Providing and fixing in position European patterned water closet including traps, seats & lids, lead alkathene pipes etc conforming to relevant IS Specification and of approved make, in cement concrete 1:3:6 (1-cement: 3-coarse: 6-stone aggregates) complete with all necessary fittings including cutting and making good the walls and floors wherever required and as directed by the Engineer-in-charged. Jaquar make (White) : Size 623 x 480x 355- Anglo Indian S Trap (Cat No.CNS-WHT-WH12) (inclusive of seat cover)	each	1		
19	Supplying, fiting and fixing PVC flushing cistern (double flash) with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc. compete as directed and specified (pipes will be measured separately) Maximum Flow rate /Consumption : 6LPF / 1flush				
	Hindware Make (White) : Sleek + PVC Cistern	each	1		
20	Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately) - PEDESTAL BASIN (with pedestal)	each	1		
21	Providing and fixing SS rail not less than 800mm of approved quality with all necessary accessories and hardware etc. complete in all respect to be fixed in wall for PWD persons.	each	3		
22	Providing and fixing 450 mm long C.P. Brass Towel Rail of approved quality with all necessary accessories and hardware like C.P. brass wall flange, screws, rawl plug including drilling holes in walls and making it good etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge.Model : Hindware - F880005CP / Jaquar - ACN-CHR- 1111SM / Cera - Hera - F5007103	Nos	1.00		
23	Providing and fixing C.P. Brass Soap Dish Holder of approved quality with all necessary accessories and hardware like C.P. brass wall flange, screws, rawl plug including drilling holes in walls and making it good etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge.Model : Hindware - F880011CP / Jaquar - ACN-CHR- 1131N / Cera - Hera - F5007106	Nos	1.00		
24	Providing and fixing C.P. Brass Toilet Paper Roll Holder with Flap of approved quality with all necessary accessories and hardware like C.P. brass wall flange, screws, rawl plug including drilling holes in walls and making it good etc. complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge.Model : Hindware - F880003CP / Jaquar - ACN-CHR- 1153S / Cera - Hera - F5007110	Nos	1.00		

25	Providing and fixing Toilet Mirror on wall with 8mm thk. glass mirror with bevelled edges fixed over 8mm water proof ply fixed to wall with SS studs with provision of LED light with all accessories as may be required complete as per instructions of Architect/ Bank's Engineer.	Nos	1.00		
26	Providing and fixing CP ABS Health Faucet with regulator including accessories like CP ABS Wall Hook, and 1.00 mtr. (min.) long flexible SS braided hose pipe (with Nipple, Nut, O-Ring) with gasket, installation kit, all other fittings and fixtures as per the manufacturer's specification etc. complete as per the directions of the Engineer-in-Charge.Model : Hindware - F160068CP / Jaquar - ALD-CHR- 573 / Cera - F8030109AB or equivalent approved by SBI. Maximum Flow rate /Consumption : 6LPM with aerator.	Nos	1.00		
27	Providing and fixing 15 mm C.P. Brass Bib Cock of approved quality with aerator, wall flange etc. complete as per the directions of the Engineer-In-Charge.Model : Hindware - F400002CP / Jaquar - OPP-CHR- 15037PM / Cera - Chelsea F1016151 or equivalent.Maximum Flow rate /Consumption : 6LPM with aerator.	Nos	1.00		
28	Providing and fixing 15 mm C.P. Brass 2-way Bib Cock of approved quality with aerator, wall flange etc. complete as per the directions of the Engineer-In-Charge.Model : Hindware - F400003CP / Jaquar - OPP-CHR- 15041PM / Cera - Chelsea F1016163 or equivalent.Maximum Flow rate /Consumption : 6LPM with aerator.	Nos	1.00		
29	Providing and fixing 15 mm C.P. Brass Pillar Cock of approved quality with aerator, 450 mm long SS flexible braided hose pipe (with Nipple, Nut, O-Ring) with gasket, installation kit, all other fittings and fixtures as per the manufacturer's specification etc. complete as per the directions of the Engineer-in-Charge.Long Neck Pillar Cock - Hindware - F400005CP / Jaquar - OPP-CHR-15021PM / Cera - Chelsea F1016102 or equivalent.Maximum Flow rate /Consumption : 6LPM with aerator.	Nos	1.00		
30	Providing & fixing Stainless Steel Jali (Grating) with or without hole for waste pipe for N. Trap. Weight not less than 70 grms.	Each	1.00		
31	Providing, placing & fixing PVC water storage tank of approved make and quality including all accessories,fittings,connections and making the system functional required.	Liter	1000.00		
32	Finishing wall with two coats of acrylic emulsion exterior coatings of Asian Paint/Berger/Indigo/Nerolac brand of required shade by thinning 1ltr. of paint with 750ml of water to give an even shade after throughly brooming the surfaces to remove all dirt and remains of loose powdered materials as specified and directed by the department.The rate includes primer apllied @ 2.2 Kg/10 sqm.The rate also includes applying of wall putty wherever neceessary and as instructed by Bank/EIC.	sqm	100		
33	Painting two coat (including appropiate priming coat) on previously painted wood steel and other metal surface with enamel paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.The rate also includes cost of primer.	sqm	5		
34	Providing and laying 60mm thick factory made cement concrete interlocking coloured paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	400.00		
Total cost (excluding GST)					