

**Bill of Quantities**

**NAME OF WORK: Repairing of seepage from 2 nos bathroom downslab of quarter bo D-03 at IITG campus.**

Sl. No	Description	Unit	Qty	Rate (In Rs. )		Amount (In Rs. )
				In Figure	In words	
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	sqm	5.60			
2	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	sqm	5.60			
3	<b>Water proofing treatment for sunken slab in toilets (Internal)</b>					
3.a	<b>Step-1</b> Removal of all the old tiles, if exist and cleaning the same to remove the loose particles, debris, dust etc., then saturating the surface with water, including cost of labour, consumables, tools and tackles etc., complete.	Sqm	26.07			
3.b	<b>Step-2</b> Providing and applying <b>Talrak Flexeal Elastic or equivalent</b> waterproofing coating on the primed surface in two coats, as per manufacturers specifications, including cost of materials, labour, consumables, tools and tackles, etc., complete.	Sqm	26.07			

3.c	<b>Step-3</b> Providing and laying of cement concrete of proportion 1:5:10 (1cement : 5 sand : 10 AAC block bats of size 40mm) in sunken floors at all floors, heights and levels	Cum	3.20			
3.d	<b>Step-4</b> Providing and laying <b>M20 Fibre Reinforcement Concrete Screed</b> over the treated surface as per direction of Engineer in charge.	Cum	1.60			
3.e	<b>Step-5</b> Providing and laying <b>Talrak Tilebond FA</b> bedding mortar for fixing tiles on Portico slab or other open spaces , as per manufacturers specification, including cost of materials, labour, consumables, tools and tackles etc., complete.	Sqm	26.07			
3.f	<b>Step-6</b> Providing and applying <b>Talrak Tilegrout CB</b> for grouting of the tile joints, as per manufacturers specification, including cost of materials, labour, consumables, tools and tackles etc., complete.	Rm	150.00			
4	<b>Damproofing in Walls</b>					
4.a	<b>Step-1</b> Removal of all the old tiles, if exist and cleaning the same to remove the loose particles, debris, dust etc., then saturating the surface with water, including cost of labour, consumables, tools and tackles etc., complete.	Sqm	34.00			
4.b	<b>Step-2</b> Providing and applying <b>Koster Polysil TG 500 or equivalent</b> primer on the prepared surface as per manufacturers specifications, including cost of materials, labour, consumables, tools and tackles, etc., complete.	Sqm	34.00			

4.c	<b>Step-3</b> Providing and applying <b>Talrak Flexeal Elastic or equivalent</b> waterproofing coating on the primed surface in two coats, as per manufacturers specifications, including cost of materials, labour, consumables, tools and tackles, etc., complete.	Sqm	34.00			
4.d	<b>Step-4</b> 15 mm thick plastering with cement mortar 1:4 (1 cement: 4 fine aggregate) over the water proofing treatment area admixed with Acrylic Polymer@ 10% by weight of cement.	sqm	34.00			
5	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					
5.a	75 mm diameter	metre	9.00			
5.b	110 mm diameter	metre	17.50			

6	<p>Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand &amp; manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Glazed Vitrified tiles Matt/Antiskid finish of size Size of Tile 600 x 600 mm</p>	sqm	15.99			
7	<p>Providing and fixing 1st 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.</p>	sqm	34.90			

8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge					
8.a	15 mm nominal outer dia Pipes	metre	5.00			
8.b	20 mm nominal outer dia Pipes	metre	25.00			
8.c	25 mm nominal outer dia Pipes	metre	3.00			
9	Providing and fixing white vitreous china pedestal type 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	each	2.00			

10	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	sqm	59.99			
11	Distemping with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats	sqm	59.99			
12	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	sqm	6.72			
13	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	59.99			
Total (in Rs.)=						
Rebate if any=						
Total after Rebate=						

**Seal**

**Signature of Tenderer**