

B.O.Q FOR WATER PROFFING AND CIVIL REPAIRING WORK FOR ZONAL OFFICE OF UCO BANK, BHUBANESWAR.					
SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
<b>A</b>	<b>WATER PROOFING WORK</b>				
1.0	Providing Removal of 70-100 mm thick old screed by the help of breaker machine & lifting the dab rises from the site to outside premises including labour charges & T&P with all complete as per the direction of Engineer in charge .	Sqm.	105.00		
2.0	<b>Waterproofing of Roof</b> Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservior, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI- 212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.				
2.1	For vertical surface two coats @ 0.70 kg per sqm	sqm	189.00		
2.2	For horizontal surface one coat @1.10 kg per sqm.	sqm	1,050.00		
3.0	<b>Crack Repair</b> Providing and applying crystalline mortar by mixing in the ratio of 4.5 : 1 (4.5 parts crystalline mortar : 1 part water) for the treatment of faulty construction joints, cracks, tie rod holes and spalled & honeycombed surface of RCC underground structures like basement, water tanks, bridge deck etc. to ensure water tightness. The crystallie mortar shall conform to the EN 1504-3 having compressive strength Class R4 ?45 MPa and adhesive bond strength Class R3 ?1.5 MPa. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.				
4.0	For sealing cracks and faulty construction joints, routed out/making U-shape groove size 25x25mm and then primed the area with integral crystalline slurry @0.05kg/running metre and while the surface is tacky filled the groove upto surface with crystalline mortar @1.50kg/running metre. Once crystalline mortar is touch dry then finally applied two coats of integral crystalline slurry @0.05kg/running metre per coat.	metre	60.00		
5.0	Grading roof for water proofing treatment with				
6.0	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	Cum.	5.00		



SL.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
	<b>CIVIL REPAIRING WORK</b>				
	<b>Plaster work.</b>				
8.0	<b>Cement plaster in course sand</b> 15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand)	Sqm.	20.00		
9.0	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	Sqm	20.00		
10.0	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 100 mm nominal dia Pipes				
11.0	Site clearing before and after execution of work Dismantling / Demolishing all the damaged items as per direction and carting away the debris from the site and unloading at a approved location as per statutory rules and regulations. The item also include all cleaning work of floor / wall/ glass etc of inner as well as outer portion of the building as per requirement and as per direction of EIC including all labor, sundries, T & P, scaffolding etc. required for the work and complete in all respect as directed by the Engineer in charge.	metre Job	10.00 1.00		
	<b>TOTAL (A)</b>				
	<b>GST@ 18% (B)</b>				
	<b>G.TOTAL (A+B)</b>				

**Total Amount in Words:-**

