

**Institute of Business Administration**  
**Construction of Watch Tower (03 Nos.) at IBA Main Campus**  
**Watch Tower**

**A - CIVIL WORKS**

Sect.No.	DESCRIPTION	QTY	UNIT	RATE(Rs)	AMOUNT(Rs)
<b>1</b>	<b>EARTH WORKS</b>				
1.1	Excavation in any type of soil/strata including back filling in foundation, under plinth plinth with approved suitable excavated material in layer not exceeding 8" in depth watering and disposal of surplus unsuitable material to outside the Karachi University premises, complete in all respect, as directed by the Engineer.	1008	Cft		
1.2	Providing and filling good quality imported earth from approved source including dressing, watering and consolidation by compacting to 95% modified AASHTO density, in 8" thick layers including cost of compaction test if required, complete in all respects and as directed by the Engineer.	576	Cft		
<b>2</b>	<b>STONE SOLING</b>				
2.1	Providing, laying, compacting and leveling 6" thick stone soling under flooring complete in all respects and as directed by the Engineer.	96	Cft		
<b>3</b>	<b>CONCRETE WORKS</b>				
3.1	Providing, laying compacting, leveling and curing etc, upto 3" thick plain cement concrete (1:4:8), using SR cement in under foundations, plinth etc, using 3/4" down graded crushed stone, approved local sand complete in all respects as specified and as approved by the Engineer.	39	Cft		
3.3	Providing and laying cast in <b>situ</b> , 1:3:6, 2200 psi compacting, finishing and curing etc. using ordinary, Portland cement and sand including vibrating through electro mechanical vibrator, formwork and its removal, under the plinth beam or else, as shown on drawings, specification and as directed by the IBA.	258	Cft.		
3.4	Providing and laying reinforced cement concrete <b>3000 PSI cube strength</b> using sulphate resistant cement in following structures including mixing, transporting, hoisting, curing and placing in position in water tight formwork complete in all respect as shown on the drawings, and as directed by the Engineer. (Excluding the cost of steel reinforcement)				
a.	Foundation	108	Cft		
b.	Plinth Beam	153	Cft		
d	column up to column	33	Cft		

3.5	Providing and laying reinforced cement concrete <b>3750 PSI cube strength</b> using sulphate resistant cement in following structures including mixing, transporting, hoisting, curing and placing in position in water tight formwork complete in all respect as shown on the drawings, and as directed by the Engineer. (Excluding the cost of steel reinforcement)				
a.	Super-Column	252	Cft		
b	Slab	882	Cft		
c	Lintel, Bracing beam & roof Beam	345	Cft		
<b>4</b>	<b>STEEL REINFORCEMENT</b>				
	Providing, Cutting, bending and binding high tensile Tor steel (billet steel) deformed reinforcement bars (60,000 Psi) conforming to ASTM 615 including the cost of binding wire. Steel chairs, pins, spacers, un-specified laps. Wastage etc. complete in all respect.				
a	steel bars	3,600.00	Kg		
<b>5</b>	<b>MASONRY WORK.</b>				
5.1	providing and laying solid block (Machine made) masonry , 800 psi crushing set in (1:4) cement sand mortar including curing, finishing racking out joints, scaffolding, lifting, hoisting etc, complete in all respect and as directed by the Engineer.				
a	6" thick.	1334	Sft.		
<b>6</b>	<b>PLASTER</b>				
6.1	Providing and applying at any floor at any height cement sand plaster ( 1 : 4 ) to wall columns, beams, roof, making edges and corners including cost of fixing G.I. Expanded metal 6" wide at joint of R.C.C. members and block masonry works, preparation of surface before plastering finishing scaffolding, curing etc. complete in all respect as specified and as approved by the Engineer.				
a	1/2" thick	6369	Sft		
<b>7</b>	<b>PAINTING</b>				
7.1	Providing and applying at any height 03 coats of weather sheild paint "DULUX" or "Robbialac" approved to surface walls ,columns etc. roller brush applied having egg. shell finish over one base weather sheild premier coat including rubbing or scrapping , filling etc complete in all respects and as directed by the Engineer.	6369	Sft		
7.2	Providing and applying 03 coats of enamel paint "DULUX" or "Robbialac" including scrapping , filling etc complete in all respects and as directed by the Engineer. (Surface area shal be measured)				
a	MS Door	126	Sft		
<b>8</b>	<b>MS Door</b>				
8.1	providing , making and fixing in position MS door of 16 gauge sheet with frame of angle 2"x2"x1/4". The door panel frame shall be of 1"wide and 1/8"thick strip perphery and cross strip equally divided into two portion including hold fasts, . hinge, door lock handle etc, complete in all respects and as directed by the Engineer.	63	Sft		

<b>9</b>	<b>Flooring</b>				
9.1	Providing and laying (1:3 :6 ) cement concrete subfloor 3" thick or as per site including curing, hacking of existing surface for bonding complete in all respect and as directed by the Engineer.	300	Sft		
9.2	Providing and laying (1:2 :4 ) cement concrete floor smooth finish 3" thick or as per site including curing, hacking of existing surface for bonding complete in all respect and as directed by the Engineer.	900	Sft.		
<b>10</b>	<b>ROOF WATER PROOFING</b>				
10.1	Provide and lay <b>roof treatment</b> consisting of following terms :				
a	Cleaning of the Roof Slab Top surface & Levelled evenly.				
b	1 : 2 : 4 screed in required slope minimum 3" to 2" thick				
c	Applying of adhesive coat ZSAC-10/55 of ZAHABIA complete as per manufacturer,s specification and as directed by the engineer.	588	sft		
	<b>TOTAL COST OF CIVIL WORK. Rs</b>				