

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	KSHS.	C TS
	<p><u>PROPOSED OFFICE AND LABORATORIES AT KENYA MARINE FISHERIES RESEARCH INSTITUTE ON PLOT NO, -KISUMU</u></p> <p><u>BILLS OF QUANTITIES</u></p> <p><u>SECTION NO. 2</u></p> <p><u>OFFICE AND LABORATORIES BLOCK</u></p> <p><u>ELEMENT NO.1</u></p> <p><u>SUBSTRUCTURE</u></p> <p><u>(All Provisional)</u></p> <p><u>NOTES</u></p> <p>1 The Tenderer's attention is drawn to the Preliminaries Contract Particulars Clause 8.0 which states that the Standard Method of Measurement is the June 2008 Edition. Per Clause D5(g) of this S.M.M all excavations in this BoQ have been measured NET and no allowance has been made for working space and the tenderer is shall price for the excavations accordingly.</p> <p>2 Cement for all Structural Works in these Bills of Quantities shall strictly be Grade 32.5</p> <p>3 Cement for Non-Structural Works in these Bills of Quantities shall be Grade 32.5</p> <p>4 All Reinforcement in these Bills of Quantities shall be to BS 4449:1997 with the following characteristic; a) Grade 460 B high strength type 2 Ribbed bars with proof stress of 460N/mm²; allow for cutting, bending, hoisting and fixing including all necessary trying wires and spacer stools;</p>					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	KSHS.	C TS
	<u>SUBSTRUCTURES (CONT'D)</u>					
	<u>Excavations & Earthworks</u>					
A	Excavate to remove top vegetable soil average 150mm deep; remove from site	m2	650			
B	Excavate to reduce levels, not exceeding 1.5 m deep from stripped level	m3	249			
C	Excavate for strip foundations not exceeding 1.5 m deep from reduced level	m3	147			
D	Ditto for Column Bases not exceeding 1.5 m deep from reduced level	m3	198			
E	Allow for keeping excavations free from water by baling or pumping as required including provision of drains, etc., as described	Item				
F	Allow for maintaining and supporting sides of excavations and for keeping free from fallen materials as described	Item				
	<u>Disposal</u>					
G	Backfilling around foundations & columns	m3	56			
H	Load and cart away surplus spoil	m3	104			
	<u>Imported filling</u>					
I	300mm Thick approved hardcore under floor bed well compacted	m2	561			
J	40mm Thick Murram or quarry dust blinding to hardcore	m2	561			
	<u>Carried to Collection</u>				Kshs.	

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	KSHS.	C TS
	<u>SUBSTRUCTURES (CONT'D)</u>					
	<u>Damp proof membrane as described :-</u>					
A	1000 Gauge polythene sheet dampproof membrane to horizontal surfaces	m2	561			
	<u>Anti-termite treatment</u>					
B	Chemical anti-termite treatment executed by an approved specialist under a ten-year guarantee to horizontal surfaces of the floor slab and around the plinth, e.t.c.	m2	561			
	<u>Concrete Class (1:3:6) in 50mm thick blinding under :-</u>					
C	Strip foundations for masonry walling	m2	123			
D	Column bases	m2	174			
	<u>Vibrated reinforced concrete class 25 in:</u>					
E	Colum Bases	m3	52			
F	Columns	m3	5			
G	Strip foundations	m3	22			
H	Ground Beams	m3	20			
I	150 mm Thick slab	m2	561			
	<u>Reinforcement</u>					
	<u>Reinforcement to BS 4449:1997 with the following characteristic; a) Grade 460 B high strength type 2 Ribbed bars with proof stress of 460N/mm²; allow for cutting, bending, hoisting and fixing including all necessary trying wires and spacer stools</u>					
J	Assorted Bars	Kg	10,010			
	<u>Carried to Collection</u>				Kshs.	

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	KSHS.	C TS
	<u>SUBSTRUCTURES (CONT'D)</u>					
	<u>Steel mesh fabric reinforcement to B.S. 4483</u>					
A	Ref. A142 Layer of fabric mesh reinforcement laid in bed with 150mm side and end laps	m2	561			
	<u>Sawn formwork to:</u>					
B	Sides of column bases and beams	m2	124			
C	Sides of column	m2	86			
D	Sides of strip foundations	m2	82			
E	Edges of floor beds 150 - 225mm high	m	128			
	<u>Quarry dressed natural stone walling in cement sand mortar (1:3) with minimum crushing strength of 7.0 N/mm²</u>					
F	200mm Thick walling	m2	424			
	<u>1000 Gauge polythene sheet damp proof course laid on and including cement sand (1:3) levelling screed</u>					
G	200mm Wide	m	336			
	<u>Cement sand (1:4) render to :-</u>					
H	12mm Thick render to wall externally	m2	38			
	<u>Prepare and apply two coats of bituminous paint to :-</u>					
I	Rendered walls externally	m2	38			
	<u>Carried to Collection</u>				Kshs.	

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	KSHS.	C TS
	<p style="text-align: center;"><u>COLLECTION</u></p> <p style="text-align: center;">Page No. 2/2</p> <p style="text-align: center;">Page No. 2/3</p> <p style="text-align: center;">Page No. 2/4</p>					
	<p><u>TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY</u></p>			KSHS.		

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	KSHS.	CTS.
	<u>PROPOSED OFFICE AND LABORATORIES AT KENYA MARINE FISHERIES RESEARCH INSTITUTE ON PLOT NO. -KISUMU BILLS OF QUANTITIES SECTION NO. 2 OFFICE AND LABORATORIES BLOCK ELEMENT NO.2 RC SUPERSTRUCTURE</u>					
	<u>Concrete Class 25mm in:-</u>					
A	Columns	m3	41			
	<u>Concrete Class 25mm in:-</u>					
B	Beams	m3	62			
C	150mm Thick suspended slab	m2	1,539			
D	Ditto;sloping ramp not exceeding 12 degree to horizontal	m2	35			
	<u>Reinforcement; as before described</u>					
E	Assorted Bars	Kg	34,105			
	<u>Sawn formwork to :-</u>					
F	Vertical sides of columns	m2	550			
G	Sides and soffites of beams	m2	697			
H	Soffites suspended slab	m2	1,539			
I	Ditto;to Ramp	m2	38			
H	Edge of suspended slab 150 - 225 mm high	Lm	258			
	<u>TOTAL FOR RC SUPERSTRUCTURE CARRIED TO SUMMARY</u>				KSHS.	

ITEM NO.	DESCRIPTION	UNIT	QTY.	RATE	KSHS.	CTS.
	<u>BILLS OF QUANTITIES</u>					
	<u>SECTION NO. 2</u>					
	<u>OFFICE AND LABORATORIES BLOCK</u>					
	<u>ELEMENT NO. 5</u>					
	<u>EXTERNAL WALLS,</u>					
	<u>Approved local natural stonework; squared and machine dressed; bedded in cement mortar (1:4); reinforced with 25mm wide x 20mm gauge hoop iron strapping every alternate course</u>					
A	200mm Thick walls	m2	280			
	<u>Damp-proof courses, as described, to walls</u>					
B	200mm wide	LM	105			
	<u>Carried to Collection</u>				Kshs.	

ITEM NO.	DESCRIPTION	UNIT	QTY.	RATE	KSHS.	CTS.
	<u>EXTERNAL WALLS (CONT'D)</u> <u>COLLECTION</u> Page No. 2/14					
	<u>TOTAL FOR EXTERNAL WALLS CARRIED TO SUMMARY</u>			KSHS.		

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	KSHS.	CTS.
	<p><u>PROPOSED OFFICE AND LABORATORIES AT KENYA MARINE FISHERIES RESEARCH INSTITUTE ON PLOT NO, -KISUMU</u></p> <p><u>BILLS OF QUANTITIES</u></p> <p><u>SECTION NO. 2</u></p> <p><u>OFFICE AND LABORATORIES BLOCK</u></p> <p><u>ELEMENT NO.3</u></p> <p><u>REINFORCED CONCRETE STAIRCASE</u></p> <p><u>The Following in 2NO. Staircase</u></p> <p><u>Vibrated reinforced concrete class 25 in:-</u></p>					
A	Staircase	m3	8			
B	150 mm Thick landings	m2	10			
	<u>Reinforcement; as before described</u>					
C	Assorted Bars	Kg	950			
	<u>Sawn formwork to:-</u>					
D	Soffites of sloping slabs	m2	21			
E	Soffites of suspended landing slabs	m2	10			
F	Vertical risers 150 -225mm high	m	121			
	<u>Carried to Collection</u>				Kshs.	

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	KSHS.	CTS.
	<u>STAIRCASE (CONT'D)</u>					
A	Edge of slab 150 - 225mm ditto	m	32			
B	Sloping edge of steps cut to profile of steps 140mm extreme width	m	45			

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	KSHS.	CTS.
	<u>COLLECTION</u> Page No. 2/7 Page No. 2/8					
	<u>TOTAL FOR RC STAIRCASE CARRIED TO SUMMARY</u>				KSHS.	

ITEM NO.	DESCRIPTION	UNIT	QTY.	RATE	KSHS.	CTS.
	<u>BILLS OF QUANTITIES</u>					
	<u>SECTION NO. 2</u>					
	<u>OFFICE AND LABORATORIES BLOCK</u>					
	<u>ELEMENT NO. 6</u>					
	<u>INTERNAL WALLS</u>					
	<u>Approved local natural stonework; squared and machine dressed;bedded in cement mortar (1:4); reinforced with 25mm wide x 20mm gauge hoop iron strapping every alternate course</u>					
A	200mm Thick walls	m2	432			
B	100mm Thick walls	m2	66			
	<u>Damp-proof courses, as described, to walls</u>					
C	200mm wide	LM	160			
D	Ditto;100mm wide	LM	26			
	<u>EXPANSION JOINT</u>					
E	25mm thick flexcell expansion between surfaces	SM	92			
F	Cut back edge of 25mm thick filler (m.s) to adepth of 25mm and point with polysulphide sealant	SM	92			
	<u>TOTAL FOR INTERNAL WALLS CARRIED TO SUMMARY</u>				KSHS.	

ITEM NO.			SHS.	CTS.
	<u>OFFICE AND LABORATORIES BLOCK</u>			
	<u>BILLS OF QUANTITIES</u>			
	<u>SECTION NO. 2</u>			
	<u>APARTMENT BLOCK</u>			
	<u>SUMMARY</u>	<u>PAGE NO.</u>		
1.	SUBSTRUCTURES	2/5		
2.	RC SUPERSTRUCTURE	2/6		
3.	STAIRCASE	2/9		
4.	EXTERNAL WALLS	2/15		
5.	INTERNAL WALLS	2/16		
	<u>TOTAL FOR OFFICE AND LABORATORIES BLOCK CARRIED TO MAIN SUMMARY</u>			
		KSHS.		

ITEM NO.	DESCRIPTION	UNIT	QTY.	KSHS.	CTS.
	<u>BILLS OF QUANTITIES</u>				
	<u>SECTION NO. 3</u>				
	<u>OFFICE AND LABORATORIES BLOCK</u>				
	<u>PRIME COST AND PROVISIONAL SUMS</u>				
	<u>PRIME COST SUMS</u>				
A	Allow the Prime Cost Sum of Kenya Shillings Seven Hundred Thousand for Electrical Works		Sum	700,000	00
B	Allow the Prime Cost Sum of Kenya Shillings Seven Hundred Thousand for Mechanical works		Sum	700,000	00
C	Allow the Prime Cost Sum of Kenya Shillings Three Hundred Thousand for Project Management		Sum	300,000	00
D	Allow a Prime Cost Sum of Kenya Shillings Six Hundred Thousand for Contingency		Sum	600,000	0
E	Allow a Prime Cost Sum of Kenya Shillings Three Hundred Thousand for Demolition of Existing building		Sum	300,000	0
	<u>TOTAL FOR PRIME COST AND PROVISIONAL SUMS CARRIED TO SUMMARY</u>		KSHS.	2,600,000	00

ITEM NO.			SHS.	CTS.
	<p>PROPOSED OFFICES AND LABORATORIES AT KENYA MARINE FISHERIES RESEARCH INSTITUTE KISUMU CENTRE</p> <p><u>MAIN SUMMARY</u></p> <p>1. PRELIMINARIES</p> <p>2. OFFICE AND LABORATORIES BLOCK</p> <p>3. PROVISIONAL SUMS</p> <p><u>TOTAL CARRIED TO FORM OF TENDER</u></p>	<p><u>PAGE NO.</u></p> <p>1/26</p> <p>2/25</p> <p>3/1</p> <p>KSHS.</p>	<p>2,600,000</p>	<p>00</p>

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CONTRACTOR

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