

**REVISED BOQ FOR THE PROPOSED 8 CLASSROOMS BLOCK**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>PROPOSED CONSTRUCTION OF 8 CLASSROOM BLOCK</b>				
	<b>EXCAVATIONS AND EARTH WORKS</b>				
A	Clear site of shrubs, bush and dispose the arising materials	SM	400.00		
B	Excavate the site to remove all top soil to 200mm depth and dump the materials at approved dumping site	SM	400.00		
C	Excavate for foundation footing starting at stripped levels to depth not exceeding 1500mm	CM	110.00		
D	Ditto column bases ditto	CM	100.00		
E	Return, fill and ram selected excavated material in layers of 150mm thick around foundations.	CM	140.70		
F	Load and dispose surplus excavated material in municipal dumping site distance not exceeding 100m away	CM	69.30		
G	Approve 1000mm thick hardcore filling well compacted and consolidated in layers of 150mm thick layer.	CM	300.00		
H	Approve hardcore backfilling well compacted and consolidated in layers of 150mm thick.	CM	0.00		
I	50mm thick approved murrum blinding to surface of hardcore	SM	340.00		
J	"Rentokil" or other equal and approved insecticide treatment to murrum surface	SM	340.00		
	<b>Damp proof membrane</b>				
K	1000 Gauge polythene or other equal and approved plastic sheet damp proof membrane laid over blinding(measured nett - allow for laps)	SM	340.00		
	<b>TOTAL CARRIED FORWARD TO COLLECTION</b>	LL/1			
ITEM	DESCRIPTION	UNIT	QUANTIT	RATE	AMOUNT
	<b>CONCRETE WORKS</b>				
	<b>Vibrate reinforced concrete(1:2:4) 20mm aggregate as described in : bs 81110</b>				
A	Column base	CM	39.00		
	column starters	CM	4.10		
B	Foundation footing	CM	25.00		
C	Column	CM	15.00		
D	First floor beams	CM	17.00		
E	Ring beams	CM	15.00		
F	150mm thick ground floor slab	CM	54.00		
G	150mm thick first floor slab	CM	54.00		
H	125 mm thick staircase waist	CM	2.00		
I	150mm staicase landing	CM	3.00		
J	Ramp waist and landing	CM	5.00		

	<b>Sawn formwork as described to:-</b>				
K	Collum bases	SM			
L	Column	SM	250.00		
M	vertical sides of foundation footing	SM			
N	Vertical edge of concrete floor slab 75-150mm high	LM	100.00		
O	Sides and soffits of ring beams first floor	SM	140.00		
P	Sides and soffits of beams	SM	150.00		
Q	soffits of slabs	SM	337.00		
T	soffits of sloping sides of stairs waists landings and the sides of stairs	SM	4.00		
U	Open raking string edge to staircase 300 mm high (extreme) cut and fitted to profile of treads and riser.	SM	4.00		
V	Wall raking string to edge of slopping waist 150-225 mm high (provision)	SM	10.00		
W	Soffits of sloping sides of ramp	SM	25.00		
	<b>50mm thick concrete (1:4:8) blinding</b>				
A	Culumn bases	SM	100.00		
B	Foundation footing	SM	30.00		
C	<b>BRC mesh A142 in one layer laid concrete floor slab High tensile square twisted reinforcement bar to B.S 4461 including cutting hooks; spacer blocks and binding wire:</b>	SM	360.00		
	<b>High Tensile Reinforcement Bars to B.S 4461 including cutting, Bending and all necessary Spacer Blocks: ( provisional)</b>				
D	20mm diameter bar	KG	4400.00		
E	16mm diameter bar	KG	3,520.00		
F	12mm diameter bar	KG	2,860.00		
G	8mm diameter bar	KG	2,200.00		
H	10mm diameter bar	KG	4,620.00		
	<b>TOTAL CARRIED FORWARD TO COLLECTION</b>	LL/2			
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTIT</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>WALLING</b>				
	<b>Smooth machine dressed quarry stone or other equal and approved walling in cement:sand (1:4)mortar:-</b>				
A	200mm Thick rough chiselled dressed natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20 swg x 25 mm wide hoopiron in every alternate course	SM	160.00		
B	200mm thick dressed on one side natural stonewalling above general ground level laid with (1;4)cement sand mortar with <b>hoop iron in every sencond course. (use undressed for sub-structure)</b>	SM	780.00		
C	Approved 200mm wide damp proof couse laid to breaking jionts with 150mm laps in cement:sand (1:3) mortar	LM	150.00		

	<b>TOTAL CARRIED FORWARD TO COLLECTION</b>	LL/3			
1	Brought forward from LL/1				
2	Brought forward from LL/2				
3	Brought forward from LL/3				
	<b>COLLECTION 01</b>				
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTIT</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>ROOFING WORK</b>				
A	Supply and fix onto timber purlins with approved nails gauge 30 I.T.4 box profile galvanized iron sheets as per Galsheet or equivalent manufacturer	SM	500.00		
	Ridge cap to match item (A) above	LM	30.00		
	<b><u>The following in sawn treated cypruss or equivalent including hoisting and placing in position approximately 3.50Metres above ground level</u></b>				
B	150 x 50 mm rafter	LM	600.00		
C	100 x 50 mm tie beam	LM	400.00		
D	75 x 50 mm purlin	LM	400.00		
E	200 x 25 mm fascial board	LM	120.00		
H	200 x 225mm wrot cypruss fascia or burge boad	LM			
I	100 x 50 mm sawn cypruss wall plate	LM	100.00		
J	Knot, prime stop prepare and one undercoat and two finshing coats of gloss paint to general surface of wood 200- 300 mm girth.	LM	140.00		
K	Roof water goods				
L	Supply and fix 140mm half round gutter (pvc) prefabricated with fixed with screwed joints on approved 140mm gutter support c/w brackets	LM	140.00		
N	Extra for closed ends	NO	6.00		
P	Supply and fix 100mm diameter downpipe with brackets to wall	LM	35.00		
Q	Extra for 100mm diameter spigot outlet	NO	5.00		
R	Extra for swan neck and rainwater shoe Labour in:	NO	5.00		
S	Raking cutting Galvanised iron plain sheet	LM	10.00		

	<b>TOTAL CARRIED FORWARD TO COLLECTION</b>	LL/4			
<b>ITEM</b>	<b>Description</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>ELEMENT NO. 4</b>				
	<b>WINDOWS</b>				
	Supply and fix the following Ex-shop standard welded mild steel casement windows comprising of standard 25 x 25 x 3 mm Z section framing: complete with approved Brass fasteners, stays and all other necessary iron mongery: including 75 mm perforated mild steel permanent vent and hood at the top infilled with mosquito wiregauze and all primed in one coat red oxide primer before delivery to site and all welds ground smooth including fixing lugs to masonry and/or beams bedded in cement and sand (1:3) mortar and pointing all round with mastic.				
	NOTE:				
	All reference to ideal casement catalogue but the tenderer may supply any other equal and approved to the satisfaction of the Project manager.				
A	Window overall size 1500 mm x 1500 high to Architects detail	NO	48.00		
B	Ditto, 1400 mmx 1500mm	NO			
C	Ditto. 2600 mm x 1500 mm. Supply and fix brass metal stays and fasteners to existing window casements				
D	Fasteners	NO	96.00		
E	Stays	NO	96.00		
	<b>GLAZING</b>				
F	4mm thick glass Clear sheet in panes not exceeding 0.50 and glazing with putty to metal as:	SM	108.00		
	<b>Burglarproofing Grills</b>				
	Galvanised mild steel grille framed with 40 x 25 x 3 mm thick R.H.S. Sections including assembly and fixing to opening cutting and pinning lugs to concrete or blockwork and bedding frame in cement and sand mortar	SM	108.00		
H	1500 mm x 1500 mm high with R10 burglarproofing in varied approved patterns;curves				
I	Ditto, 1400 mmx 1500mm				
J	Ditto. 2600 mm x 1500 mm.				



	<b>Balustrades and railings</b>				
A	25mm x 25mm X 3mm S.H.S railings on sides of veranda walkway	LM	240.00		
	Ditto 100mm Dia C.H.S	LM	70.00		
	<b><u>TOTAL CARRIED FORWARD TO COLLECTION</u></b>	LL/6			
	<b><u>SUB- TOTAL</u></b>				
1	Brought forward from COLLECTION 01				
2	Brought forward from LL/4				
3	Brought forward from LL/5				
4	Brought forward from LL/6				
	<b>SUB - TOTAL 1 FOR BUILDERS WORK</b>				
	<b><u>PROVISIONAL SUMS</u></b>				
A	Allow prime cost (P.C) sum of Kshs. 500,000 for the resident engineers Miscellaneous account to be spent in whole or part as directed by the resident Engineer against receipts during supervision works	PC	SUM		
B	Provide a prime cost sum of Kenya shillings five hundred thousand (500, 000.00) for Electrical works to be executed by a licensed Electrical Sub-Contractor	Sum	1.00		
C	Allow a prime cost sum of Kenya shillings Hundred thousand (Kshs.200,000)only for material test	Sum	1.00		
D	Allow a prime cost sum of Kenya shillings Hundred thousand (Kshs.25,000)only for erection of publicity sign board	Sum	1.00		
E	Allow a prime cost sum of Kenya shillings Hundred thousand (Kshs.200,000)only for hoarding to be measured on day works basis	sum	1.00		
	<b>SUB - TOTAL 2 = TOTAL 1 + PC SUM</b>				
	<b>ADD 1.5% FOR CONTINGENCIES</b>				
	<b>SUB TOTAL 3</b>				
	ADD 14% VAT				
	<b>GRAND TOTAL SUM CARRIED TO FORM OF BID</b>				