

**PROPOSED ERECTION AND COMPLETION OF AMC WORKSHOP
AT MABANGA ATC IN BUNGOMA COUNTY**

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	SUBSTRUCTURE (ALL PROVISIONAL)				
	EXCAVATION AND EARTHWORKS				
	SITE PREPARATION				
	Clearing site vegetation; grubbing up roots and filling up voids left with selected				
A	Bushes, shrubs, undergrowth or the like and cart away from site	130	SM		
	EXCAVATION				
B	Excavating vegetable soil for preservation, average 150 mm thick	130	SM		
	Mechanically Excavating Surface to reduce level.				
C	Over 300mm deep	130	CM		
	Excavating Trenches; to receive foundations starting from reduced level				
D	Not exceeding 1.50m deep	50	CM		
	Breaking out existing material; extra over all kinds of excavations irrespective of depth				
E	Rock irrespective of class	2	CM		
	Total Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>Disposal</u>				
A	Excavated material; Backfilling depositing and compacting in layers maximum 150mm thick	30	CM		
B	Surplus excavated material; removing from site mechanically	19	CM		
	DISPOSAL OF WATER				
C	Labour and materials, keeping excavations free from general water		ITEM		
	PLANKING AND STRUTTING				
D	Labour and materials, to uphold sides of excavation generally		ITEM		
	<u>FILLING</u>				
	<u>Hardcore</u>				
E	300mm thick depositing and compacting in layers maximum 150mm thick in making up levels	130	SM		
	<u>Murram</u>				
F	Blinding surfaces of fill 50 mm thick	130	SM		
	ANTI-TERMITE AND HERBICIDE TREATMENT <u>Applying "Termidor 25 EC" solution or other equal and approved sprayed evenly</u>				
G	To surface of fill and tops of foundation walls	130	SM		
	<u>CONCRETE WORK</u>				
	<u>INSITU CONCRETE</u>				
H	Plain mix 1:4:8 in foundation strip blinding 50mm thick	35	SM		
I	Ditto in column bases	0	SM		
	Total Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>Vibrated reinforced concrete Class 20/20mm (1:2:4) in:-</u>				
A	Foundation strip	5	CM		
B	Column bases		CM		
C	Columns generally		CM		
D	Floor Bed 150 mm thick	130	SM		
	<u>REINFORCEMENT</u>				
	<u>Fabric: B.S 4483</u>				
I	Reference A142; mesh 200 x 200 mm weight 2.22 kgs per square meter (Measured net - no allowance made for laps); including bends, tying wire and distance blocks in any location	130	SM		
	Total Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>SAWN FORMWORK TO INSITU CONCRETE</u>				
A	Edges of floor bed 75 to 150 mm wide	40	LM		
B	Sides of vertical columns	0	SM		
	WALLING				
C	225mm thick approved local stone, roughly squared; bedding and jointing in cement mortar (1:4); reinforced with hoop iron gauge 500 in every alternate course	74	SM		
	DAMP PROOF MEMBRANES				
	500 gauge Polythenelaid with 150mm laps,(No allowance made for laps)				
D	Horizontal, 1 No. of layer(s) over 300 mm wide	130	SM		

	PLINTH FINISHES			
	Render, cement and sand (1:4) wood floated			
E	12mm thick 2 No. coat work, to concrete or blockwork base (m/s) generally external	12	SM	
	Painting; 3 coats black bituminous paint to			
F	Rendered surfaces external	9	SM	
	PAVING SLABS			
	Precast Concrete; class 20/20			
G	600 x 600 x50 mm thick slabs laid on and including 50 mm (consolidated) bed of sand; jointed and pointed in cement sand 1:3 mortar V-joints	24	SM	
	Total Carried to collection			

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>COLLECTION</u>				
A	Brought forward from page 1				
B	Brought forward from page 2				
C	Brought forward from page 3				
D	Brought forward from page 4				
	Total for Substructures carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>REINFORCED CONCRETE FRAME</u> <u>CONCRETE WORK</u>				
	INSITU CONCRETE <u>Vibrated class 20/20mm (1:2:4) in:-</u>				
A	Beams	5	CM		
	<u>REINFORCEMENT</u>				
	<u>Bars : high tensile steel; cold worked; B. S. 4461 including bends, hooks, tying wire, distance blocks and spacers</u>				
B	8mm diameter in any location	76	KG		
C	12mm ditto	105	KG		
	FORMWORK TO INSITU CONCRETE				
D	Sides and soffites of beams	40	SM		
	Total Reinforcement Concrete carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>WALLING</u>				
	<u>Approved natural stone, fine chisel dressed one side bedded and jointed in recessed pointing one side in cement sand mortar (1:4).</u>				
A	Walls 200mm thick reinforced with hoop iron gauge 500 in every alternate course	69	SM		
B	Form or leave 250mm x 250mm opening in 200 mm walling for permanent ventilation(m.s)	12	NO		
C	225mm x 225mm precast concrete permanent vent with mosquito gauze laid in cement sand 1:3 mortar	10	NO		
B	HEA Steel columns 200MM	8	NO		
	DAMP PROOF COURSES				
	<u>B.S 743, type A, bitumen hessian base 150mm laps, No allowances made for laps</u>				
E	200mm wide, bedded in cement mortar (1:3)	88	LM		
	Total Walling carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>ROOFING</u>				
	<u>ROOF COVERING</u>				
A	Gauge 28 pre-painted box profile sheets fixed to purlins	130	SM		
B	Ridge cap in matching materials	10	LM		
C	Valley ridge	0	LM		
	STRUCTURAL STEEL				
	The following in structural steel trusses(as per the steel Ltd.) welded and bolted joints all primed with two coats first grade primer				
D	100x50x2mm Z purlins(14 gauge)	180	LM		

E	75x75x6mm SHS Tie or strut	90	LM		
F	100x100x4mm SHS Rafters	100	LM		
G	Ditto tie beam	78	LM		
H	75x75mm support beam/ collar plates	14	LM		
I	with nut and washers	120	NO		
J	100x75x4mm angle cleats welded to rafters (m.s)	100	NO		
	<u>BOARDING</u>				
	<u>Wrought cypress, prime grade, pressure impregnated</u>				
K	225 x 25mm thick Fascia or barge boards	40	LM		
L	Eaves/ Verge filling in 25mm thick T & G or equal and approved alternative.	0	SM		
M	50 x 50mm bearers nailed to sawn cypress	0	LM		
N	Ditto plugged	0	LM		
	Total Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>RAINWATER INSTALLATIONS</u>				
	<u>Gutterwork , PVC gutter and fittings</u>				
A	Box gutter in gauge 26m.s plate welded and boxed along roofs to required slopes and including 3-ply biuminous rubber felt.	39	LM		
B	Extra over gutters for 100mm diameter pipe outlet	6	NO		
C	Ditto stopped end	6	NO		
D	Ditto brackets	30	NO		
E	Ditto Corners	6	NO		
F	Ditto joints	6	NO		
	<u>Rainwater pipework</u>				
G	100mm diameter pipes complete with connections in the running lengths, fixing with PVC holdersbats at 1000mm centers to	20	LM		
H	Extra over pipework for shoes	6	NO		
I	Ditto swanneck	6	NO		
	<u>PAINTING AND DECORATING</u>				
	<u>ONE UNDERCOAT TWO COATS OIL PAINT</u>				
	<u>FULL GLOSS FINISH TO CROWN PAINTS OR</u>				
	<u>EQUAL AND APPROVED</u>				
J	General timber board surfaces	20	SM		
K	Ditto 200 to 300mm girth external	0	LM		
	Total Carried to collection				
	<u>COLLECTION</u>				
	Brought forward from page 9				
	Brought down from above				
	Total Roofing Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>WINDOWS</u>				
	<u>Precast concrete, Normal, Class 20/ 20mm vibrated</u>				
A	Sills 250 x 75mm thick, once sunk weathered, once throated, reinforced as necessary for handling, bedding jointing and pointing in cement mortar (1:4)	5	LM		
	<u>JOINERY</u>				
	<u>WROT CAMPHOR</u>				
B	120X20mm window boards, moulded and fixed to masonry surface with screws and grounds.	5	LM		
	<u>WROT CYPRESS</u>				
C	Built up pelmet box made of 125x25mm front, 100 x 25 mm top and ends, 25 x 50 mm bearers all	5	LM		
	<u>METAL WORK</u>				
	<u>PURPOSE MADE UNITS</u>				
	Casement mid hang window with horizontal pivots; standard metal casement sections, permanent ventilators comprising T-bar gauze wire and metal hood to fill width of window, but 100mm deep one coat primer by manufacturer; complete with all necessary ironmongery, steel for glazing with putty, cutting and pinning lugs to concrete or blockwork, fixing to head and sill with screws and plugging.				
D	Overall size 1800x 1500 mm high	2	NO	16000	32,000
	Total Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	Windows cont'd				
A	Welded metal grill burglar proofing in 20mmx 20mmx1.5mm thick SHS bars with one coat primer including welding to metal in approved pattern	12	SM		
	<u>GLAZING</u>				
B	4mm thick clear sheet glass and glazing to metal with putty in panes n.e 0.1m ²	10	SM		
	<u>PAINTING AND DECORATING</u>				
	<u>ONE UNDERCOAT TWO COATS OIL PAINT GLOSS OIL FINISH AS CROWN PAINTS OR OTHER EQUAL AND APPROVED CATALOGUE</u>				
C	Metal window surfaces generally internally and externally measured overall.	72	SM		
D	Plastered Concrete and masonry surfaces 200 - 300mm girth	24	LM		
E	Timber surfaces 100-200mm girth including priming where necessary.	24	LM		
	Total Carried to collection				
	<u>COLLECTION</u>				
	Brought Forward from page 12				
	Brought forward from above				
	TOTAL WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>DOORS</u>				
	<u>STEEL DOORS</u>				
	<u>Standard steel door complete with all necessary ironmongery, permanent vent with mosquito gauze & sheet hood assembled and fixed to opening including cutting and pinning lugs to concrete or sand mortar (1:4) all primed with red oxide before fixing</u>				
C	900 x 2400mm steel casement door comprising 50 x 50 x 3mm fixed frame; 14G mild steel plate on both sides bottom half welded and 40 x 25 mm RHS grills at 100 mm centres vertically upper half welded complete with 5 - lever mortice lock and 3 No. tower bolts	2	NO		
D	Ditto but size 1200x2400mm high	3	NO		
E	Ditto but size 900x2400mm high	0	NO		
	<u>GLAZING</u>				
F	4mm thick clear sheet glass and glazing with putty to casement door in panes 0.10m - 0.05m squared	39	SM		
	Total Doors carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>FINISHES</u>				
	<u>FLOORS</u>				
B	terazzo floor	130	SM		
C	25mm thick terrazzo floor finish thoroughly cleaned and polished	130	SM		
F	Ditto externally	65	LM		
	<u>WALLS</u>				
K	12mm thick, 2 No. coat work Plaster 1:2:6 to concrete or blockwork base (m/s) generally, walls internal steel trowelled	170	SM		
L	Keying and pointing to walls externally	177	SM		

	<u>ONE UNDERCOAT TWO COATS OIL PAINT FULL GLOSS FINISH TO CROWN PAINTS OR EQUAL AND APPROVED</u>				
M	Plastered wall surfaces internally	78	SM		
N	wall surfaces internally	60	SM		
Total Finishes carried to Summary					

ITEM	DESCRIPTION	KSHS
<u>SUMMARY</u>		
A	SUBSTRUCTURES	
B	REINFORCED CONCRETE FRAME	
C	WALLING	
D	ROOFING	
E	WINDOWS	
F	DOORS	
G	FINISHES	
TOTAL BUILDING WORKS CARRIED TO GRAND SUMMARY		

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
<u>PC AND PROVISIONAL SUMS</u>					
A	Allow a Provisional Sum of Kshs. 100,000 (One Hundred thousands) only for Contingencies				100,000
B	Allow a Provisional Sum of Kshs. 100,000 (One hundred thousand) only for Electrical works				100,000
Total PC& Provisional Sum to Grand Summary					200,000

GRAND SUMMARY

ITEM	DESCRIPTION	Page No.	For Official use	ForTender's Use only
A	Bill No. 1 Preliminaries	PP/		80,000
B	Bill No. 2 Building Works	LP/		
C	Bill No. 3 Prime Cost & Provisional Sums	PC/1		
	Sub-Total			
	Add 16% V.A.T to be paid to commissioner of V.A.T. as per Legal Notice No.35 & 36 dated 11th September, 2003			
TOTAL CARRIED TO FORM OF TENDER				

Amount in words: Kenya Shillings.....

Tenderer's Signature.....

Address.....

Date

Witness Signature

Address

Date

GS/1