



**MINISTRY OF LANDS,PUBLIC WORKS,HOUSING AND URBAN
DEVELOPMENT**

(DIRECTORATE OF PUBLIC WORKS)

**PROPOSED OF STONE PITCHING WORKS,
STEPS, WATER CHANNEL AND INSTALLATION
OF GUTTERS
AT
A.C.K KAHUMBU SECONDARY SCHOOL
(KIGUMO CONSTITUENCY)**

BILLS OF QUANTITIES

TENDER NO:

Prepared: -

Sub County works officer

Department of Public Works

P.O. Box 67

Kigumo

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>STONE PITCHING AND WATER CHANNEL</u>				
A	Clear the site of all bush scrub undergrowth and small trees grab up roots and cart away or burn all arising (approx. area 200 sq. sm)	280	SM		
	<u>Excavations and earthworks</u>				
B	Excavate, trim and compact ground to a favourable slope to allow for stone pitching	280	SM		
C	Excavate for strip foundation trenches and water channel occurring not exceeding 1.5metres deep commencing from reduced level	55	CM		
	<u>In-situ concrete work</u>				
	<u>Mass concrete (1:3:6/38-38mm aggregate)</u>				
D	50mm Thick blinding under strip foundations	51	SM		
E	50mm Thick blinding under column piers	46	SM		
	<u>Vibrated reinforced concrete</u>				
	<u>(1:2:4/20-20mm aggregate) as described in:</u>				
F	Strip foundations	12	CM		
G	Column bases	10	CM		
H	water channels	10	CM		
J	steps access ways	14	CM		
K	150mm thick concrete bed	58	SM		
	<u>Steel reinforcement</u>				
	<u>Supply and fix bars reinforcement including bending, hooks, tyingwire, cutting, spacer blocks and supporting all in position as described</u>				
	<u>High tensile square twisted bars to B.S. 4461 as described in :</u>				
L	Assorted 8 - 16 mm Diameter	720	KG.		
	<u>Sawn formwork as described to :</u>				
M	Edges of suspended slab 75-150mm girth high	120	LM		
N	Edges of Risers and waist of staircase	42	LM		
	<u>Disposal</u>				
P	Load surplus excavated material and cart away	80	CM		
	<u>Filling</u>				
Q	Return fill and ram selected excavated material around foundations.	40	CM		
	<u>walling</u>				
R	200mm Thick rough chisel dressed natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoopiron in every alternate course including ween holes	350	SM		
	<u>wall finishes</u>				
S	Hack out joints and apply 12mm thick gauged lime plaster (1:2:9) in two coats finished with wood trowel on natural stone walling and beams	350	SM		
	<u>finishes to channel</u>				
T	Hack out joints and apply 12mm thick gauged lime plaster (1:2:9) in two coats finished with steel trowel on natural stone walling and beams	30	SM		
	<u>Rain Water disposal</u>				
	<u>The following in G24 Galvanised mild steel</u>				
U	150 X 100 mm Half round gutter fixed to fascia board with and including approved pattern brackets at 1000 mm cc	85	LM		
V	Extra over gutter for stopped end piece with 100 mm diameter outlet	10	NO		
	<u>TOTAL FOR ELEMENT NO. 1</u>				
	<u>STONE PITCHING AND WATER CHANNEL</u>				
	<u>CARRIED TO SUMMARY</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS
	<u>GRAND SUMMARY</u> <u>PRELIMINARIES</u> 1 Particular and General Preliminaries <u>BUILDERS WORKS</u> 2 STONE PITCHING AND WATER CHANNEL <u>PRIME COST AND PROVISIONAL SUMS</u> 3 Prime Cost and Provisional Sums Sub - Total 1 GRAND TOTAL CARRIED TO FORM OF TENDER				
		PAGE	OFFICIAL USE		TENDERER'S USE
				-	
		BW/2		-	
		BW/3			
		KSHS.			
		KSHS.			

NAME OF TENDERER.....

ADDRESS.....

SIGNATURE.....STATUS.....

DATE.....

NAME OF WITNESS.....

ADDRESS.....

SIGNATURE.....

DATE.....