

KAPTERE WATER PROJECT - Soy North Ward

BILL No. 1 PRELIMINARY ITEMS

ITEM	ITEM DESCRIPTION	UNIT	QTY	RATE (Ksh)	AMOUNT (Ksh)
1.1	Contractual Requirements				
1.1	Erection and maintenance of Project signboard	No.	1	15,000.00	15,000.00
1.2	The contractor shall allow a prime sum to be expended by the engineer for supervision, stationery and airtime.	Item		LS	30,000.00
	Total bill No 1. Carried to summary				45,000.00

BILL No.2: INTAKE WORKS - Kaptere

NO	ITEM DESCRIPTION	UNIT	QTY	RATE (Ksh)	AMOUNT (Ksh)
2.1	EXCAVATIONS				
	<i>To include for all trimming to levels, back fillings with approved selected spoils, compacting, disposal of surplus materials and reinstatement.</i>				
2.1.1	Clear site from all undergrowth shrubs and trees and all deleterious materials from the site to create space for the weir and reservoir.	m ²	60		
2.1.2	Excavate in a normal soil to take weir, wing walls, abutments, riprap, aprons and cut off walls to a depth n.e. 2.0m deep	m ³	21		
2.1.3	Excavate river bed in normal soil to form water storage reservoir to depth n.e. 1.0m	m ³	25		
2.2	CONCRETE WORKS				
	<i>Provide and place the following concrete mixes including all form-work.</i>				
2.2.1	Compacted hard core for weir base as specified in the drawing	m ³	1.5		
2.2.2	Concrete grade 15/20 (1:3:6) for upsream & downsream protection and cut off wall as specified in the drawing	m ³	3.7		
2.2.3	Concrete grade 20/20 (1:2:4) for weir body and wing walls as specified in the drawing	m ³	7.72		
2.3	REINFORCEMENTS				

	<i>Provide, support and fix the following reinforcement, including all cutting, bending and supports for weir body, wing wallswalls, slabs, beams etc as shown in the drawings</i>				
2.3.1	High tensile steel, Y10	Kg	102		
2.4	PIPEWORK				
	<i>Provide, lay, joint and test the following pipes and fittings. Rates to include for all jointing materials, cutting wastage and anchorage</i>				
2.4.1	80mm dia. GI 3m long spigot threaded at one end for the scour pipe	No	1		
2.4.2	80mm dia. GI 1.5m long spigot threaded at one end for the scour pipe in the offtake chamber	No	1		
2.4.3	80mm dia. end plug	No	2		
2.4.4	80mm dia GI pipes	No	2		
2.4.5	80mm sluice valve	No	1		
2.4.6	Construct sluice chamber: 600mm x 600mm x 400mm	No	1		
	Total bill No 2. Carried to summary				

BILL No.3: PIPELINE - Kaptere

NO	ITEM DESCRIPTION	UNIT	QTY	RATE (Ksh)	AMOUNT (Ksh)
3.1	EXCAVATIONS				
	<i>To include for all trimming to levels, back fillings with approved selected spoils, compacting, disposal of surplus materials and reinstatement.</i>				
3.1.1	Excavate pipeline trench in normal soil to a depth n.e. 0.5m deep to take 50mm and 25mm dia. pipes	m ³	50		
3.2	GI PIPEWORK				
	<i>Provide, lay, joint and test the following pipes and fittings . Rates to include for all jointly materials, cutting wastage and anchorage.</i>				
3.2.1	80mm x 50mm reducer	No	1		
3.2.2	40mm dia. pipes class B	m	120		
3.2.3	40mm x 25mm reducer	No	1		
3.2.4	25mm dia. pipes class B	m	480		
3.2.5	25mm x 20mm reducer	No	1		
3.2.6	20mm dia. pipes class B	m	60		
3.2.7	50mm union	No	1		
3.2.8	40 mm union	No	4		
3.2.9	40mm sockets	No	15		
3.2.10	25mm sockets	No	50		
3.2.11	25mm union	No	8		
3.2.12	20mm sockets	No	10		
3.2.13	20mm unions	No	2		
3.2.14	50mm elbow	No	2		
3.2.15	40mm T-joints	No	2		
3.2.16	50mm T-joint	No	1		
	Total bill No 3. Carried to summary				

BILL No 4: PERIMETER FENCING - Kaptere

ITEM	ITEM DESCRIPTION	UNIT	QTY	RATE (KSh)	AMOUNT (KSh)
4.1	Excavate holes of diameter n.e. 0.2m and depth n.e. 0.6m on normal soil to take wooden fencing posts at a spacing of 2m between the holes as specified	No	42		
4.2	Procure, provide and fix wooden posts for fencing. The wooden posts should be at least 7ft. High and should be hard wood.	No	50		
4.3	Provide and fix high tensile barbed wire on the wooden posts using U-nails	Rolls	1		
4.4	Procure and fix medium gauge chain link 5ft high. The bottom of the chain link should be secured at least 2inches into the ground	Rolls	3		
4.5	Fabricate and fix steel gate 0.8m wide and 5m high using 20mmx20mm hollow steel bars	No	1		
TOTAL BILL 4 CARRIED OVER TO SUMMARY					

SUMMARY SHEET - Kaptere

Bill No.	Description	Amount (KSh)
1	Preliminaries and General	45,000.00
2	Intake works	
3	Pipeline	
4	Fencing	
	Total inclusive of VAT	