

**RIMOI WATER FURROW - Tambach ward**

**BILL No. 1 PRELIMINARY ITEMS**

<b>ITEM</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE (Ksh)</b>	<b>AMOUNT (Ksh)</b>
<b>1.1</b>	<b>Contractual Requirements</b>				
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
	<b>Total bill No 1. Carried to summary</b>				<b>45,000.00</b>

**BILL No.2: INTAKE WORKS - Rimoi**

<b>NO</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE (Ksh)</b>	<b>AMOUNT (Ksh)</b>
<b>2.1</b>	<b>EXCAVATIONS</b>				
	<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	Excavate in rocky soil to take weir, wing walls, abutments, inlet chamber, riprap, key, aprons, cut off walls etc. to a depth n.e 0.3m deep	m <sup>3</sup>	2		
<b>2.2</b>	<b>CONCRETE WORKS</b>				
	<i>Provide and place the following concrete mixes including all form-work.</i>				
2.2.1	Concrete grade 20/20 (1:2:4) for weir body, inlet chamber and wing walls as specified in the drawing	m <sup>3</sup>	4		
2.2.2	Stone Riprap of 0.2m thick for the weir d/s apron as specified in the drawing	m <sup>2</sup>	2		
<b>2.3</b>	<b>REINFORCEMENTS</b>				
	<i>Provide, support and fix the following reinforcement, including all cutting, bending and supports for weir body, floors, walls, slabs, beams etc as shown in the drawings</i>				
2.3.1	High tensile steel, Y10	Kg	86		
<b>2.4</b>	<b>PIPEWORK</b>				

	<b><i>Provide, lay, joint and test the following pipes and fittings. Rates to include for all jointing materials, cutting wastage and anchorage</i></b>				
2.4.1	80mm dia. GI 1m long spigot threaded at one end for the scour pipe	No	1		
2.4.2	80mm dia. end plug	No	1		
2.4.3	100mm dia GI pipes class B to convey water from reservoir to the furrow	No	2		
	<b>Total bill No 2. Carried to summary</b>				

**BILL No.3: CANAL EXPANSION AND LINING - Rimoi**

ITEM	DESCRIPTION	UNIT	QTY	RATE (KSh)	AMOUNT (KSh)
<b>3.1</b>	<b>EXCAVATION/EARTHWORKS/CUTTING</b>				
	<i>To include for all trimming to levels, backfilling with approved selected spoil, compacting, disposal of surplus material and reinstatement.</i>				
3.1.1	In normal soil to depth n.e. 0.3m to form the canal bed as specified in drawing and directed by engineer.	m <sup>3</sup>	300		
<b>3.2</b>	<b>CONCRETE WORKS</b>				
	<i>Provide and place the following concrete mixes including all form-work.</i>				
3.2.1	Concrete grade 20/20 (1:2:4) for weir body, inlet chamber and wing walls as specified in the drawing	m <sup>3</sup>	4		
3.2.2	Stone Riprap of 0.3m thick for the canal walls as specified in the drawing	m <sup>2</sup>	120		
3.2.3	Plaster (Ratio 1:3) of 18 mm thick inside walls only as specified in the drawing	m <sup>2</sup>	120		
<b>TOTAL BILL 3 CARRIED OVER TO SUMMARY</b>					

**BILL No.4: DIVISION BOXES (4 No.) - Rimoi**

ITEM	DESCRIPTION	UNIT	QTY	RATE (KSh)	AMOUNT (KSh)
<b>4.1</b>	<b>EXCAVATION/EARTHWORKS/CUTTING</b>				
	<i>To include for all trimming to levels, backfilling with approved selected spoil, compacting, disposal of surplus material and reinstatement.</i>				
4.1.1	In normal soil to depth n.e. 0.2m to take canal wall as specified in drawing and directed by engineer.	m <sup>3</sup>	2		
<b>4.2</b>	<b>CONCRETE WORKS</b>				
	<i>Provide and place the following concrete mixes including all form-work.</i>				
4.2.1	Compacted hard core for the base of division box as specified in the drawing	m <sup>3</sup>	0.6		
4.2.2	Concrete grade 20/20 (1:2:4) for division box walls as specified in the drawing	m <sup>3</sup>	1.24		
4.2.3	Stone Riprap of 0.3m thick for the canal walls as specified in the drawing	m <sup>2</sup>	16.8		
<b>4.3</b>	<b>METAL WORKS</b>				
4.3.1	Provide and place orifice sliding gate of 3mm MS sheet of dimension 0.4m height x 0.4m width as specified in the drawing	No	6		
<b>4.4</b>	<b>REINFORCEMENT</b>				

	<i>Provide support and fix the following reinforcement, including all cutting, bending and supports for weir body, floors, walls, slabs, etc as shown in the drawings</i>				
4.4.1	Mild steel weldmesh for base of the division boxes	m <sup>2</sup>	4		
	<b>TOTAL BILL 4 CARRIED OVER TO SUMMARY</b>				

**BILL No.5: PIPELINE - Rimoi**

<b>NO</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE (Ksh)</b>	<b>AMOUNT (Ksh)</b>
<b>5.1</b>	<b>EXCAVATIONS</b>				
	<i>To include for all trimming to levels, back fillings with approved selected spoils, compacting, disposal of surplus materials and reinstatement.</i>				
5.1.1	Excavate pipeline trench in normal soil to a depth n.e. 0.3m deep to take pipes	m <sup>3</sup>	60		
<b>5.2</b>	<b>uPVC PIPEWORK</b>				
	<i>Provide, lay, joint and test the following pipes and fittings . Rates to include for all jointing materials, cutting wastage and anchorage.</i>				
5.2.1	25mm dia class C pipes	m	600		
	<b>Total bill No 5. Carried to summary</b>				

**SUMMARY SHEET - Rimoi**

<b>Bill No.</b>	<b>Description</b>	<b>Amount (KSh)</b>
<b>1</b>	Preliminaries and General	45,000.00
<b>2</b>	Intake works	130,600.00
<b>3</b>	Canal lining	472,000.00
<b>4</b>	Division box	90,800.00
<b>5</b>	Pipeline	54,000.00
	<b>Total inclusive of VAT</b>	<b>792,400.00</b>