

BILL OF QUANTITIES FOR THE PROPOSED REHABILITATION KITISE WATER PROJECT

Preamble: The rates entered shall include, third party fees, levies, input costs, labour and contractor's overheads and profits.

Item	Item Description	Unit	Quantity	Unit Rate	Amount
BILL 1	Preliminary & General Items				
1.1	Publicity Sign Board				
1.1	Fabricate erect and maintain public sign post 1200 x 1200 x 1.5mm metal sheet, 1500mm above ground level. It should be anchored 600mm deep motorised in mass concrete and well supported with 50x25mm RHS frame to detail as provided in the drawing and as instructed by the project manager.	No	1		
1.2	Allow Kshs. 280,000 for Technical Supervision	L/SU M	1	280,000	280,000
1.3	E.O for contractor's profit and overheads for items 1.2 above	%	10%	280,000	28,000
	Total carried from Bill 1 to Main summary				
BILL 2	PIPE WORK	Unit	Quantity	Unit Rate	Amount
	<u>CLASS D: DEMOLITION, SITE CLEARANCE AND PIPELINE CONSTRUCTION</u>				
	The rate quoted is for supply and transport to site storage, transport from site storage, excavate, lay and joint pipes complete with all jointing materials and butt fusing. The rate is deemed to include site clearance, excavation, demolition, bed lining, installation and backfilling of the pipe trenches. keep trenches and the excavations free of water				
2.101	Site clear and excavate to pipe invert level min. 600 mm below existing ground level and backfill/ reinstate to original ground level after testing pipeline, all to the approval of the engineer	LM	6,100		
2.102	Supply, deliver, connect and test 110 mm (4") HDPE pipes PN16; KS ISO 4427:2007 PE100 Smooth Virgin Material. To be laid in the same trench as item 2.1 above	LM	1,200		
2.103	Supply, deliver, connect and test 110 mm (4") HDPE pipes PN12.5; KS ISO 4427:2007 PE100 Smooth Virgin Material. To be laid in the same trench as item 2.1 above	LM	4,900		

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Item	Item Description	Unit	Quantity	Unit Rate	Amount
2.104	Allow for connection with existing system fittings at the pump and butt fusion of all items as shall be approved	Item	1		
2.105	Allow for onsite pipeline demarcation by the client representative	L/ SUM	1	20,000	20,000
2.106	Supply, install and test resilient seated Flanged Non return valve 4", 20 bar c/w all assorted fittings	No.	2		
2.107	Supply, install and test 50mm resilient seated min 20bar sluice/gate valves for wash out c/w all fittings	No.	1		
2.108	Provide for HDPE reducing tee 110 X 63mm Fusion tee (not clamp) for installation of air valves and wash outs c/w all assorted fittings	No	7		
2.109	Supply and instal 50 mm anti-shock/ anti-surge Double orifice Air Valves as per the attached technical specifications with threaded or flanged base , c/w isolating valve, including tees and reducers for connecting Air Valves	No	6		
2.11	Construct 1000mm by 1000mm masonry valve chamber. Depth not exceeding 1m, all in accordance with details shown on drawings. Include for provision and fixing of cast iron step irons and heavy duty rectangular mild steel frame with locking devices as per details on drawing	No	6		
2.111	Pipeline marker post inscribed WL	No	10.00		
	Sub Total for Bill 2 carried to Summary				
BILL 3	PROVISIONAL SUM				Amount
3.1	Allow a provisional sum of Kshs. 25,000 for contingencies				25,000
	GRAND SUMMARY PAGE				
BILL	BILL DESCRIPTION				AMOUNT
BILL 1	PRELIMINARIES AND GENERAL ITEMS				
BILL 2	RISING MAIN PIPELINE				

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Item	Item Description	Unit	Quantity	Unit Rate	Amount
BILL 3	PROVISIONAL SUM				25,000
	<u>TOTAL SUMMARY</u>				
	ADD				
	Public Procurement Capacity Building Levy (0.03%)				
	ADD VAT (16%)				
	<u>TOTAL CARRIED TO TENDER FORM</u>				