

KAMARINY WARD 2017/2018FY
KAPKOI WATER SUPPLY REHABILITATION-INTAKES WORKS, PUMP
INSTALLATION AND PLUMBING WORKS

KAPKOI WATER SUPPLY REHABILITATION

1	INTAKEWORKS Hack, plaster internal and external and floor for intake chamber (6mx2mx1,5m) total surface area 48m2 with mix ration 1.2 with water proof cement as the Engineers specification	M2	48		
2	Increase wall height by 100mm with additional plastering of the same ration 1.2 with water proof cement volume 0.50m3	M3	0.50		
3	Supply and fix 100 mm G.I class B pipe of length 500mm to wall of chamber for overflow purposes as per the Engineers specification.	M	0.5		
	SUB TOTAL 1				

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	PUMP INSTALLATION ELECTRICAL AND MECHANICAL WORKS.				
1	Installation of pump at the site, on an existing base frame . This involves fabrication of base frame to archive alignment between pump and motor.	No	1		
2	Alignment of pump to motor on a common base frame as per the engineer's specifications.	No.	1		
3	Fix motor on the base frame to couple to the pump.	No.	1		
4	Install flexible coupling to join motor and pump. Coupling has been provided. Ensure proper alignment	No.	1		

	PLUMBING WORKS				
	SUNCTION SYSTEM				
1	Supply, deliver, install ,lay and test 100mm G.I. class B pipe	Mts	18	18,000	3,000
2	Supply deliver, install ,lay and test 100mm foot valve (cast iron make, weld round to prevent snapping)	No.	2		
3	Supply, deliver, install, lay and test 100 mm G.I.bends.	No.	2		
4	Supply, deliver, install, lay and test 100mm steel flanges.	No.	3		
5	Supply ,deliver ,install ,lay and test 80mm flanges	No.	1		
	DELIVERY SYSTEM				
6	Supply, deliver, install, lay and test 80mm G.I. class B pipe	Mts	6		
7	Supply, deliver, install, lay and test. Steel flange 80mm as per sample To mount on the pump delivery.	No.	1		
8	Supply, deliver, Install, lay and test. 80mm G.I. elbow	No.	1		
9	Supply, deliver, install, lay and test. 80mm flange	No.	1		
10	Supply, deliver, install, lay and test 80mm non return valve (pegler)	No.	1		
11	Supply, deliver, install ,lay and test 80mm sluice valve	No.	1		
12	Supply, deliver ,install ,lay and test 80mmG.I. nipple	No.	4		
13	Supply, deliver, install, lay and test. 20mm priming by pass across the none return valve. This to include 20mm gate valve pegler.	No.	1		
	SUB TOTAL 2				

KAPKOI WATER SUPPLY REHABILITATION

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEVATED TANK REPAIRS(60M³)				
1	Purchase and apply 2 lays of Bitumen paint to inside of 60m3 elevated tank of 60m ³ as per Engineers specification.	M2	188		
2	Purchase and apply 2 lays metallic paint to all external walls of 60m3 tank as per Engineers specification.	ITEM	188		
3	Do repairs to External climbing ladder of 15m length.	ITEM	L/S		
4	Purchase and supply 2 lays metallic paint to External climbing Ladder 15m length.	M2	12		
	<u>50M3 MASONARY TANK</u>				
5	Supply, fabricate and fix steel ladder 4m high for climbing tank	ITEM	L/S		
6	<u>SUB TOTAL 3</u> <u>DISTRIBUTION NETWORK</u>				
7	Supply, fix and test 80mmx50mm Reducing Tee G.I with associated fittings from Elevated tank to centre distribution network	ITEM	L/S		
8	Supply, fix and test 50MM G.I gate valve with associated fittings as per the Engineers specification	NO	1		
9	Supply, fix and test 50mm G.I sluice valve for kapkoi serlet distribution line	NO	1		
10	Construct valve chamber 1000x1000x1000mm complete with lockable cover for sertet	NO	1		

11	distribution line Supply, fix and test 100mm UPVC valve socket inside valve chamber kapkoi-kapteren	NO	2		
12	Make repairs to valve chamber 1500mmx1500mmx1000mm near ground masonry tank(50m3)	Item	L/S		
13	Repair and fix steel cover for valve chamber 1500mmx1500mm	Item	L/S		
14	Make repairs to koibarak valve chamber 1000mmx1000mx1000mm	Item	L/S		
	Sub total 4 <u>KAPTEREN -MAAN DISTRIBUTION LINE</u>				
15	Clear light bush along the pipe line route	M	900		
16	Excavate, backfill ,trench 400mm widex1000mm deep in loam soils	M	800		
17	Supply, handle ,lay joint and test 50 Upvc class D pipeline	M	800		
18	Supply, fix and test 100mmx50mm UPVC Reducing Tee	NO	1		
19	Supply, fix and test 50mmx20mm UPVC Reducing Tee	NO	13		
20	Sign post	NO	1		
21	Supervision ,monitoring and evaluation	item	L/S	50,000	50,000
	SUB TOTAL 5				
	GRAND TOTAL				

