

**KIPTIELTIEL WATER PROJECT REHABILITATION-EMSOO WARD**

**INTAKE PROTECTION WORKS, GRAVITY MAINLINE AND DISTRIBUTION LINE**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>INTAKE PROTECTION FENCING OF INTAKE( PREIMETER1,000M)</b>				
1	Clear bush 1m wide around the intake as per Engineers specification	M	1000		
2	Dig holes 250mm wide and 450mm deep in a mixture of soil and rock.	NO	520		
3	Supply, erect and concrete treated posts of length 450mm and diameter 120mm as per Engineers specification	NO	520		
4	Fence around the intake area with 5 strains of barbed wire (guage16)using U nails as per the Engineers specification	M	1000		
	<b>INTAKE WORKS</b>				
5	Supply, fix small gate 2mx1.5m	NO	1		
6	Hack, plaster intake weir 7mX0.15X1.5m and collection chamber 1.5mx1mx1m	M2	M2		
7	Supply, fix fabricate lockable cover1.2mx1.5m	ITEM	L/S		
8	Supply, fix fabricate 80mm G.I class B pipe 500mm with drilled holes to act as off take/sanction	ITEM	L/S		
9	Supply, fix fabricate 50mm G.I class B pipe 500mm with drilled holes to act as off take/sanction for intake chamber	ITEM	L/S		
	<b>GRAVITY PIPELINE</b>				
10	Supply, fix and test 50mm G.I Gate valve	NO	1		
11	Supply, fix and test 50mm G.I Nipple	NO	2		
12	Supply, fix and test 50mm G.I union socket	NO	2		
13	Construct Anchor block/pillars 400mm x 400mm x 1000mm	NO	7		
15	Supply, fix and test 40mm G.I union socket	NO	5		
16	Supply, handle,lay,joints and test 50mm G.I pipe class B	M	300		
17	Supply, fix and test 50mm G.I union socket	NO	5		
18	Supply, fix and test 50mm G.I bend	NO	2		
19	Supply, fix and test 50mm G.I Nipple	NO	2		
	<b>EXTENSION OF DISTRIBUTION LINE</b>				
20	Clear bush 1m wide Along the pipeline route	M	540		
21	Supply, handle,lay,joints and test 40mm G.I pipe class B	M	540		
22	Supply, fix and test 40mm G.I union socket	M	15		
23	Construct Anchor block/pillars 400mmx400mm x1000mm	NO	5		
20	Supervision, monitoring and inspection	I/s		30,000	30,000
21	Sign Post	No.			
	<b>TOTAL</b>				

