



# KC DRILLERS

*exploring earth resources*



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**BOREHOLE QUOTATION TO DRILL AND CONSTRUCT A 45METRES DEPTH  
BOREHOLE FITTED WITH AFRIDEV HAND PUMP AND CONSTRUCTION OF  
CIVIL WORKS FOR KANDE PRIMARY SCHOOL IN NKHATABAY DISTRICT**

**QUOTATION No.: 097**

**23<sup>rd</sup> JUNE, 2017**

**TPIN:31171268**

Item	Description	Unit	Qty	Unit Price	Total Price
				MK	MK
<b>1.0 GENERAL</b>					
1.1	Mobilization and Demobilization of manpower, equipment and construction materials	LS	1	500,000	500,000.00
1.2	Hydrogeological assessment and Geophysical Survey for borehole siting including borehole siting report	LS	1	150,000	150,000.00
1.3	Site preparation and Clearing & rigging up & down	LS	1	95,000	95,000.00
<b>2.0 BOREHOLE DRILLING</b>					
2.1	Drilling 00 - 20m depth	m	20	18,000	360,000.00
2.2	Drilling 20 - 35m depth	m	15	22,000	330,000.00
2.3	Drilling 35 - 45m depth	m	10	25,000	250,000.00
2.4	Backfill unsuccessful BHs	No	1	20,000	
<b>3.0 WELL LOGGING</b>					
3.1	Lithological Logging	LS	1	15,000	15,000.00

<b>4.0 SUPPLY &amp; INSTALLATION OF MATERIALS</b>					
4.1	Supply & installation of 113mm OD diameter UPVC <b>plain</b> casing Class 10 including Centralisers	m	30	8,500	255,000.00
4.2	Supply & installation of 113mm OD diameter UPVC <b>slotted</b> casing Class 10 including Centralisers	m	15	9,500	142,500.00
4.3	Supply & install 113mm class 10 end cup	No	2	2,800	5,600.00
4.4	Supply & packing well washed and graded filter	m <sup>3</sup>	0.6	100,000	60,000.00
<b>5.0 WELL DEVELOPMENT AND PUMPING TEST</b>					
5.1	Well cleaning and development until water is crystal clear	Hr	4	30,000	120,000.00
5.2	Constant test	Hr	4	12,000	48,000.00
5.3	Recovery test	Hr	2	8,000	16,000.00
<b>6.0 CIVIL &amp; SANITARY WORKS CONSTRUCTION</b>					
6.1	Apron - civil works construction	No	1	120,000	120,000.00
6.2	Construction of soak away including all associated works	LS	1	85,000	85,000.00
6.3	Construction of slab cloth washing basin	LS	1	110,000	110,000.00
6.4	Construction of concrete pad including 10m length drainage ditch	LS	1	70,000	70,000.00
<b>7.0 PUMP INSTALLATION</b>					

7.1	Supply and Installation of Afridev hand pump and 63mm rising mains	No	1	450,000	450,000.00
<b>8.0 SANITARY &amp; PROTECTION WORKS</b>					
8.1	Supply and place puddle clay seal	LS	1	12,000	12,000.00
8.2	Cement grouting with mass concrete up to 3metres	LS	1	45,000	45,000.00
<b>9.0 MISCELLANEOUS</b>					
9.1	Chemical and Bacteriological water quality analysis report	LS	1	80,000	80,000.00
9.2	Well Disinfection	LS	1	35,000	35,000.00
9.3	Final borehole construction report	No	1	5,000	5,000.00
	<b>Sub - Total for drilling of 1 borehole</b>				<b>3,359,100.00</b>
	<b>VAT @ 16.5%</b>				<b>554,251.50</b>
	<b>Total cost for drilling of 1 borehole</b>				<b>3,913,351.50</b>

**NOTE:**

KC Drillers provides spare parts kits accessories for borehole repairs after installation of Afridev Hand Pump to the local communities and we provide the following borehole repair kits;

- 4 bush bearings
- 2 O – rings
- 2 bobbin valve
- 2 cup seal
- 1 No. 24 spanner ( socket)
- 2 No. 19 open ended spanner
- 1 fishing tool

And we produce Laminated VLOM manual (booklet) for operation and maintenance of Afridev Hand Pump to the local communities.