

**BQ FOR DRILLING BOREHOLE AT KAPCHEBELEL, KOMBATICH AND KIPSAOS
WATER PROJECT-KEIYO SOUTH SUB COUNTY LOT 2**

Item	Description	Unit	Quantity	Rate	Amount (Kshs)
	Note: All Items and quantities are provisional, and all quantities will be re-measured on site.				
1.1	Allow for the provision of performance Bond (Part II, Clause 21, 23, and 24), Contractor's camp, offices, plant etc, all in accordance with conditions of contract part II, clause 60 (I) (a) and include for cost of training levy (legal Notice No. 237 of October 1971) The sum tendered for this item is to be of the total tender amount as stated in clause 60 (I) (a).	Sum	Nil		
1.2	Provide, maintain and remove on completion, resident as specified. The items to remain the property of the contract. Include for waste water disposals system.	Sum	Nil		
1.3	Allow the prime cost sum of Kshs. 50,000 for the provision of 1 No., Long wheel base land rover as specified, for the exclusive use of the engineer's representative.	Sum	Nil		
1.4.	Percentage addition on previous item for profit, administration, attendance upon overheads and all head office charges. To be as appendix to form of Tender.	Sum	Nil		
1.5	Allow the prime cost sum of Kshs.20,000 For the provision of 1 No. new 125 cc motorcycle of an approved make, as specified, for the exclusive use of the Engineer's representative.	Sum	Nil		
1.6	Percentage addition on previous item for profit, administration, attendance upon overheads and all head office charges. To be as appendix to form of tender.	Sum	Nil		
1.7	Prime cost sum of Kshs. 30,000 0 For	Sum	Nil		

	maintaining, replacing, running and servicing of Engineer's representative's. Percentage addition on previous item for profit, administration, attendance charges. To be as appendix to form of tender.	Sum	Nil		
1.8	Provide housing for resident Engineer as specified, including furniture, water supply and sewerage system.	Sum	Nil		
1.9	Provide housing for inspector as specified, including furniture, water supply and sewerage system.	Sum	Nil		
1.10	Prime cost sum for provision of stationery for the RE's office as directed by the engineer.	Sum	Nil		
1.11	Percentage addition on previous item for profit, overheads and all head office charges. To be as appendix to form of tender.	Sum	Nil		
1.12	Provide for setting out the works including all labour, materials and tolls required, in accordance with clause 17 of the conditions of contract.	Sum	Nil		
1.13	Provide, erect, maintain and on or before completion, project signboards as specified (EMC- Standard) located where directed by the Engineer.	Sum	Nil		
1.14	The contractor is to describe hereunder and price any other works which he may consider have been omitted from the bill of quantities, and for which he desires to enter a separate charge. If no separate charge is entered hereunder, then the contract price in the BQ include all expenses and obligations for such works.	Sum	Nil		
	Total of Bill No. 1 (Carried to summary)	Sum	LS		

BILL OF QUANTITIES

Bill No 1

Project. KAPCHEBELEL BOREHOLE –KABIEMIT WARD

2.0.0**TOTAL BH Depth 240 meters**

Item	Description	Unit	Quantity	Rate	Amount (Kshs)
2.01	Mobilization and transport of all machinery, equipment and labour to site and demobilization on completion	Sum	LS		
2.02	Drilling for a 150mm finished dia borehole in any material excluding recording initial ground level , and providing samples and records of all changes in strata water levels	M	240		
2.03	E.O Item 2.02 for drilling through rock	M	60		
2.04	Provide and install 200mm dia. Plain carbon steel casing.	M	10		
2.05	Provide and install 150mm dia Heavy Duty VPVC casing.	M	220		
2.06	Ditto stainless steel (PROVISIONAL).	M	220		
2.07	Provide and install 150mm dia slotted Heavy Duty uPVC casing.	M	30		
2.08	Ditto but stainless steel (PROVISIONAL).	M	30		
2.09	Provide and install 150mm dia well screen, Heavy Duty uPVC.	M	20		
2.10	Ditto but stainless steel (PROVISIONAL).	M	20		
2.11	Packing materials for slotted section. Clean graded gravel as specified, placed and set to the engineer's approval.	M ³	5		
2.12	Cleaning and developing boreholes	Hrs	24		
2.13	Borehole testing by bailing.				
2.14	Test pump borehole after installation of casing, including recording drawdown and yield in this and all other adjacent wells and boreholes (Max. 5) test to be carried out to ascertain maximum safe yield of borehole, and as directed by the engineer . rate to include for inserting and withdrawing test pump equipment.	Hrs	24		
2.15	Record recovery in boreholes and adjacent boreholes, after completion of test until full recovery achieved.	Hrs	24		

2.16	Chemical analysis of water samples from each borehole.	Sum	Ls		
2.17	Microbiological analysis of water samples from each borehole.	Sum	Ls		
2.18	Geological logging of boreholes including taking samples as specified.	M	Ls		
2.19	Provide and fix 200mm dia borehole cap.	No.	1		
2.20	Waiting time, for whatever reason beyond the control of the contractor.	Hrs	50		
2.21	Supply and place cement grout.	M ³	2		
2.22	Concrete surround to casing up to 150mm thick where directed.	M ³	1		
2.23	Supply and install gantry inclusive foundation as per dry No. G2/2. provided by The Engineer	No.	1		
Total of Bill No. 2 (Carried to summary)					

Description	Unit	Quantity	Rate	Amount (Kshs)
Summary of bill of quantities				
Section 1 general				

Section 2 borehole(s) Sub total				
Add general contingency allowance of 5% for Engineer's supervision	L/S	1	50,000	50,000
Total bill N0 1 (Kapchebelel BH)				
Prices inclusive All Taxes and Duty where applicable				
Date:				
Signed by Tenderer:.....				

BILL OF QUANTITIES**Bill No 2****Project. KIPSAOS BOREHOLE-METKEI WARD****3.0.0****Total BH Depth 135 metres**

Item	Description	Unit	Quantity	Rate	Amount (Kshs)
3.01	Mobilization and transport of all machinery, equipment and labour to site and demobilization on completion	Sum	LS		
3.02	Drilling for a 150mm finished din borehole in any material excluding recording initial ground level , and providing samples and records of all changes in strata water levels	M	135		
3.03	E.O Item 2.02 for drilling through rock	M	60		
3.04	Provide and install 200mm dia. Plain carbon steel casing.	M	10		
3.05	Provide and install 150mm dia Heavy Duty VPVC casing.	M	110		
3.06	Ditto stainless steel (PROVISIONAL).	M	110		
3.07	Provide and install 150mm dia slotted Heavy Duty uPVC casing.	M	30		
3.08	Ditto but stainless steel (PROVISIONAL).	M	30		
3.09	Provide and install 150mm dia well screen, Heavy Duty UPVc.	M	20		
3.10	Ditto but stainless steel (PROVISIONAL).	M	20		
3.11	Packing materials for slotted section. Clean graded gravel as specified, placed and set to the engineer's approval.	M ³	5		
3.12	Cleaning and developing boreholes	Hrs	24		
3.13	Borehole testing by bailing.	Hrs	24		
3.14	Test pumb borehole after installation of casing, including recording drawdown and yield in this and all other adjacent wells and boreholes (Max. 5) test to be carried out to ascertain maximum safe yield of borehole, and as directed by the engineer . rate to include for inserting and	Hrs	24		

	withdrawing test pump equipment.				
Item	Description	Unit	Quantity	Rate	Amount (Kshs)
3.15	Record recovery in boreholes and adjacent boreholes, after completion of test until full recovery achieved.	Hrs	24		
3.16	Chemical analysis of water samples from each borehole.	Sum	LS		
3.17	Microbiological analysis of water samples from each borehole.	Sum	Ls		
3.18	Geological logging of boreholes including taking samples as specified.	M	Ls		
3.19	Provide and fix 200mm dia borehole cap.	No.	1		
3.20	Waiting time, for whatever reason beyond the control of the contractor.	Hrs	50		
3.21	Supply and place cement grout.	M ³	2		
3.22	Concrete surround to casing up to 150mm thick where directed.	M ³	1		
3.23	Supply and install gantry inclusive foundation as per dry No. G2/2. provided by The Engineer	No.	1		
	Total of Bill No. 2 (Carried to summary)				

Description	Unit	Quantity	Rate	Amount (Kshs)
Summary of bill of quantities				
Section 1 general				
Section 2 borehole(s)				
Sub total				
Add general contingency allowance of 5% for Engineer's supervision	l/s	1	45,000	45,000
Total bill N0 2(Kipsaos Borehole)				
Prices inclusive All Taxes and Duty where applicable				
Date:				
Signed by Tenderer:.....				

BILL OF QUANTITIES

Bill No 3

Project. KOMBATICH BOREHOLE-METKEI WARD

4.0.0

Total BH Depth 170 metres

Item	Description	Unit	Quantity	Rate	Amount (Kshs)
4.01	Mobilization and transport of all machinery, equipment and labour to site and demobilization on completion	Sum	LS		
4.02	Drilling for a 150mm finished din borehole in any material excluding recording initial ground level , and providing samples and records of all changes in strata water levels	M	170		
4.03	E.O Item 2.02 for drilling through rock	M	60		
4.04	Provide and install 200mm dia. Plain carbon steel casing.	M	10		
4.05	Provide and install 150mm dia Heavy Duty VPVC casing.	M	150		
2.06	Ditto stainless steel (PROVISIONAL).	M	150		
4.07	Provide and install 150mm dia slotted Heavy Duty uPVC casing.	M	30		
4.08	Ditto but stainless steel (PROVISIONAL).	M	30		
4.09	Provide and install 150mm dia well screen, Heavy Duty UPVc.	M	20		
4.10	Ditto but stainless steel (PROVISIONAL).	M	20		
4.11	Packing materials for slotted section. Clean graded gravel as specified, placed and set to the engineer's approval.	M ³	5		
4.12	Cleaning and developing boreholes	Hrs	24		
4.13	Borehole testing by bailing.	Hrs	24		
4.14	Test pumb borehole after installation of casing, including recording drawdown and yield in this and all other adjacent wells and boreholes (Max. 5) test to be carried out to ascertain maximum safe yield of borehole, and as directed by the engineer . rate to include for inserting and withdrawing test pump equipment.	Hrs	24		

Item	Description	Unit	Quantity	Rate	Amount (Kshs)
4.15	Record recovery in boreholes and adjacent boreholes, after completion of test until full recovery achieved.	Hrs	24		
4.16	Chemical analysis of water samples from each borehole.	Sum	LS		
4.17	Microbiological analysis of water samples from each borehole.	Sum	Ls		
4.18	Geological logging of boreholes including taking samples as specified.	M	Ls		
4.19	Provide and fix 200mm dia borehole cap.	No.	1		
4.20	Waiting time, for whatever reason beyond the control of the contractor.	Hrs	50		
4.21	Supply and place cement grout.	M ³	2		
4.22	Concrete surround to casing up to 150mm thick where directed.	M ³	1		
4.23	Supply and install gantry inclusive foundation as per dry No. G2/2. provided by The Engineer	No.	1		
	Total of Bill No. 3 (Carried to summary)				

Description	Unit	Quantity	Rate	Amount (Kshs)
Summary of bill of quantities Section 1 general Section 2 borehole(s) Sub total Add general contingency allowance of 5% for Engineer's supervision Total bill N0 3 (Kombatich Borehole) Prices inclusive All Taxes and Duty where applicable Date: Signed by Tenderer:.....				
	SUMMARY			
	Subtotal for Bill No.1,2 and 3 (Boreholes)			

A					
B	Project Signages for 3 BH (Kapchebelel,Kombatich And Kipsaos)	NO	3		
C	Project supervision	l/s	1	145,000	145,000
	GRAND TOTAL TO BE CARRIED TO FORM OF TENDER				

AMOUNT IN WORDS KSHS.

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CONTRACTOR'S NAME:.....

ADDRESS:.....

STAMP:.....

SIGN.....