

DRACO (U) LTD.

BILL OF QUANTITIES FOR DRILLING OF ONE HAND PUMP BOREHOLE AT ST. ANNE GRACE S.S., NAKIFUMA, MUKONO DISTRICT (Estimated depth 70 metres)

Client : Quench and Connect

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Date : 7th March 2013

BILL No 1: PRELIMINARIES AND GENERAL

Item	Description	Unit	Qty	Rate UGX	Amount UGX
1.0	Preliminaries and General				
1.1	Mobilisation of personnel, equipment and materials	Sum	LS	1,000,000	1,000,000
1.2	Provision of all temporary facilities	Sum	LS	200,000	200,000
1.3	Hydrogeological investigations and siting	No.	1	1,200,000	1,200,000
1.4	Preparation and submission of completion report	Sum	LS	100,000	100,000
	Total of Bill No 1 carried to summary				2,500,000

BILL No 2: BOREHOLE CONSTRUCTION

Item	Description	Unit	Qty	Rate UGX	Amount UGX
2.0	Borehole Construction				
2.1	Setting up and dismantling at every site	No.	1	700,000	700,000
2.2	Drilling 10 5/8" in overburden	m	45	120,000	5,400,000
2.2.2	Installation and removal of temporal steel casing (8" diameter)	m	45	40,000	1,800,000
2.3	Drilling 7-8" in fractured zone and consolidated formation	m	25	100,000	2,500,000
2.4	Sampling and storage of representative drill samples	No.	1	100,000	100,000
2.5	Supply and installation of uPVC plain casing (5" ND)	m	59	60,000	3,540,000
2.6	Supply and installation of uPVC screen casing (5" ND)	m	11	65,000	715,000
2.7	Supply and installation of gravel pack (50 Kg bags)	bags	30	20,000	600,000
2.8	Supply and Installation of inert backfill	No.	1	70,000	70,000
2.9	Casting of sanitary seal	No.	1	70,000	70,000
2.10	Well development	Hr	1	200,000	200,000
2.11	Test Pumping and Water Quality Analysis				0
2.11.1	Test pump installation and removal	No.	1	250,000	250,000
2.11.2	Pumping time	Hr	3	100,000	300,000
2.11.3	Recovery time	Hr	1	60,000	60,000
2.11.4	Water sampling	No.	1	10,000	10,000
2.11.5	Water Quality analysis	No.	1	200,000	200,000
2.12	Well capping	No.	1	60,000	60,000
2.13	Clearing site	No.	1	100,000	100,000
2.14	Standing time	hrs	0	300,000	0
	Total of Bill No. 2 carried to summary				16,675,000

BILL No. 3: HAND PUMP INSTALLATION

Item	Description	Unit	Qty	Rate UGX	Amount UGX
3.0	Hand pump installation				
3.1	Casting inclusive of pedestal fixing	No	1	600,000	600,000
3.2	Supply and installation of U2 hand pump super structure incl. water tank and pump head	No	1	750,000	750,000
3.3	Supply and installation of 1 1/4" GI riser pipes (in 3m lengths) and connecting rods	m	39	45,000	1,755,000
3.4	Supply and installation of U2 pump cylinder	No	1	150,000	150,000
	Total of Bill No. 3 carried to summary				3,255,000

SUMMARY OF BILL OF QUANTITIES

Bill No.	Description	Amount UGX
1	Preliminaries and General	2,500,000
2	Borehole Construction	16,675,000
3	Hand pump Installation	3,255,000
	TOTAL	22,430,000
	Conversion of UGX in USD at the rate of 2,600/\$	USD 8,627 \$

NOTE:

- 1) Minimum yield for a successful borehole is 500 l/h (Ugandan National Standard).

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