



**BILL OF QUANTTTIES FOR BOREHOLE DRILLING & INSTALLATION OF HAND PUMPS IN YIROL COUNTY,  
EASTERN LAKES STATE; SOUTH SUDAN**

ITEM	DESCRIPTION	UNIT	Qty	Rate (USD)	Amount (USD)
1.0	<b><u>HYDRO-GEOLOGICAL STUDY AND MOBILIZATION</u></b>				
1.1	Mobilization and demobilization of drilling equipment and the contractor crew	Lumpsum	1		
1.2	Geophysical investigation for underground water exploration	No.	1		
	<b>Sub Total 1</b>				
2.0	<b><u>BILL NO. 2 DRILLING &amp; WELL DEVELOPMENT</u></b>				
2.1	Shifting between sites (Average KM)	km	30		
2.2	Setting up and dismantling at the drilling sites and clearing the site	Lumpsum	1		
2.3	Drilling by rotary or DHT methods as instructed by the supervisor in soft formation (over burden) at 254 mm	m	80		
2.4	Installation and removal of 8" temporary casing	Lumpsum	1		
2.5	Sampling and storing of drill cuttings at 2m intervals, or as instructed by supervisor	Lumpsum	1		
2.6	Supply and installation of Upvc (or HDPE) 4" ND casing as instructed by the supervisor	m	52		
2.7	Supply and installation of Upvc (or HDPE) 4" ND	m	15		
2.8	Supply and installation of 50 Kg bags gravel pack	Bags	10		
2.9	Supply and installation of inert back filled materials	Sum	1		
2.10	Supply and installation of cement grouting	sum	1		
2.11	Casting of sanitary seal	sum	1		
2.12	Well development	Hours	6		
2.13	Well capping and installation of bottom plug	No	1		

	<b>Sub Total 2</b>				
3.0	<b><u>BILL NO. 3 TEST PUMPING.</u></b>				
3.1	Pump installation at depth recommended by the supervisor	Lumpsum	1		
3.2	Pumping and measuring draw downs	Hours	4		
3.3	Recovery monitoring	Hours	6		
	<b>Sub Total 3</b>				
4.0	<b><u>BILL NO. 4 WATER QUALITY</u></b>				
4.1	Water sampling in clean 1 litre bottle	No.	1		
4.2	Basic water quality analysis at a licenced laboratory and provide water quality analysis results	No.	1		
	<b>Sub Total 4</b>				
5.0	<b><u>BILL NO. 5 CASTING AND INSTALLATION</u></b>				
5.1	Elevated 0.5 m a 2,000 mm dia. Area.	Lumpsum	1		
5.2	Supply all materials and construct a reinforced concrete platform	Item	1		
5.3	Supply murrum and spread around concrete platform	Item	1		
5.4	Supply of complete deep well hand pump India Mark II set for installation including its accessories	Item	1		
	<b>Sub Total 5</b>				
	<b><u>SUMMARY</u></b>				
1.0	Sub total 1 Preliminary and General				
2.0	Sub total 2 Drilling and well development				
3.0	Sub total 3 Test Pumping				
4.0	Sub total 4 Water Quality				
5.0	Sub total 5 Casting and Installation				
	<b>TOTAL FOR 1(One)</b>				
	<b>GRAND TOTAL FOR 8 (Eight)</b>	<b>No.</b>	<b>8</b>		



