

HELP A CHILD - South Sudan
Drilling of Boreholes in Barnyiwiny Boma, Northern Barh El ghazel state Aweil

Date:

To:.

Sub: **Drilling of Boreholes in Barnyiwiny Boma, Northern Barh El ghazel state Aweil**

Item	Description	Unit	Qty	Rate	Amount
1.1	Conduct a detailed hydro geological study using standard methods (tools and qualified professionals) to confirm the exact borehole sites within 100 meters of radius from the given GPS location/ from the location given by the client's representative. The price shall include the electronic and hard copy report submission.	LS	1		-
1.2	Mobilization of man power, drilling rig, tools & construction materials	L.S	1		
2	Bore Hole construction				-
2.1	Site clearing before and after and rigging up	L.S	1		
2.2	DTH Rotary and Mud drilling with 12" bit diameter fitted with 10" steel surface casing.	m	10		-
2.3	Borehole drilling with 8" diameter in all types of formation.	m	120		
3	Borehole logging				
3.1	Litho logical (cutting) sampling and logging	L.S	1		
4	Well design and Construction				
4.1	6 inch internal diameter P.V.C Blind threaded casing	m	70		-
4.2	6 inch internal diameter P.V.C Screen threaded casing	m	30		
4.3	10 inch internal diameter Steel blind surface casing	m	10		
4.4	Installation of 3"/4 GIS observation pipe	m	110		
4.5	Supply and packing of 3-4mm diameter river gravel	LS	1		
4.6	Well cleaning and development including well disinfection	hr	4		
4.7	Grout with mass concrete to a depth of 5m (1:3:6mix)	LS	1		
4.8	Construction of well head with mass concrete (0.70m x 0.70m base and 0.80 m height trapezoidal shape)	LS	1		
5	Pumping test				
5.1	Step draw down test (Four step, 1:30 hour for each)	hr	3		
5.2	Constant yield pumping	hr	24		
5.3	Recovery test	hr	12		
6	Water Quality Testing				
6.1	Water sampling and analysis	LS	1		
7	Report				
7.1	Preparation of detail report on drilling completion	LS	1		
Total in words:					



HELP A CHILD - South Sudan
Drilling of Boreholes in Barnyiwiny Boma, Northern Barh El ghazel state Aweil

Company Name	
Company Stamp	
Signature	
Date	

