

# TECHNICAL PROPOSAL AND FINANCIAL FOR DRILLING OF 2 BOREHOLES IN YIROL EAST

**Opening date: Monday, 29<sup>th</sup> March 2021**

**Tender Closing date: Tuesday, 13<sup>th</sup> April 2021**

**Time: 5.00 PM (CAT)**

## **1. TECHNICAL REQUIREMENTS**

- i. DECLARATION OF NON PENDING LAWSUIT
- ii. REGISTRATION CERTIFICATE WITH GOVERNMENT/ENGINEERING ASSOCIATION OF SOUTH SUDAN

### **A. BACKGROUND**

- iii. Describe your company e.g. profile of experience in drilling boreholes in Lakes state, recommendation for smart work, bank account details, list of Board?
- iv. When was the company established?
- v. Elaborate why you should be hired instead of other companies. What is your comparative advantage?
- vi. Describe the management of your company illustrated with a management structure or organogram?
- vii. Describe your drilling experience working with NGOs, Government, private sector, community and individuals?
- viii. Describe how your company intends to comply and actualize (in details) with the DRILLING standards:
  - Geophysical surveying,
  - drilling, techniques, design, development
  - pump testing,
  - Water quality analysis,
  - pump installation,
  - Head works construction
- ix. Provide a list of equipment available for the assignment including make, model, registration number, age, condition, rated depth etc.
- x. Describe how you propose to conduct/execute each of the above components including the equipment to be used. For drilling, please describe how you propose to drill in various formations and the respective equipment to be used. Explain your safety environmental policy?
- xi. What other services do you offer e.g. training communities in pump installation, and planning and management of water resource?

## **B. MAJOR PROJECTS UNDERTAKEN BY DRILLING COMPANY**

- Mention the clients,
- Project description,
- Number of boreholes drilled and dates

## **C. REFERENCES / REFEREES**

- Mention at list THREE clients as your referees
- Client's name,
- Project name,
- Project description,
- Start and end date,
- Country,
- Approximate value,
- Number of boreholes sites successfully drilled,
- Contact details, (phone, email address, physical address)
- Contact person,
- Comments regarding completion of works

## **D. PROJECT CREWS/TEAMS**

Briefly outline the project teams, and organogram as well as qualifications, experience, and provide two CVs for Engineers. Mention key positions or project personnel, proposed for the program e.g. position, name, relevant experience, qualifications. In event the Drilling firm intends to engage services for hydrological investigation (Geophysical surveying, borehole design etc), the CVs of personnel must be included.

## **E. ACTIVITY SCHEDULE FOR THE PROPOSED WORKS**

- Outline how this will is/will to be implemented?
- Describe how you are going to conduct business on schedule/time?
- Indicate how long you will take to mobilize after signing the contract?
- Explain step by step the work plan and duration to be taken including a gantt chart?

## **F. CONTACT DETAILS OF THE COMPANY**

- Contact person
- Physical address
- Telephone/land, cell
- Email address

## **G. FINANCIAL MANAGEMENT**

- Provide the latest statement of audited accounts including management response.



## 2. FINANCIAL PROPOSAL

### BOQ & DETAILS OF DRILLING WORKS FOR 2 BOREHOLES IN YIROL EAST

PRICE INCLUDES ALL NECESSARY MATERIALS AND LABOR WORK

Item	Description	Unit	Quantity	Unit Price (USD)	Total Price (USD)
<b>1</b>	<b>General</b>				
1.1	Mobilization/demobilization of personnel and project initiation	LS	1		
1.2	Mobilization/demobilization of the machinery, casings, drilling consumables (Gravel pack, polymer, borehole disinfectants) to the site.	LS	1		
1.3	Interpretation of the Geo physical result provided and site selection for drilling as per the instructions/details of the Geophysics conducted	LS	1		
<b>2</b>	<b>DRILLING</b>				
2.1	Drilling in the upper soft formation (3m) with 8" (DTH hammer/Mud rotary)	LS	2		
2.2	Drilling in aquifer formation (3m to 100m +/- 15%) with 6" (mud rotary)	LS	2		
<b>3</b>	<b>SUPPLY &amp; INSTALLATION OF PVC CASING +/- 15%</b>				
	Supply and installation PVC surface casing 6"	m	6		
	4" Supply and installation blind PVC casing	m	186		
	4" Supply and installation screen PVC casing	m	30		
<b>4</b>	<b>Well construction</b>				
4.1	Supply and install filter pack, selected river siliceous gravel (2-4mm)	LS	1		
4.2	Supply and install surface casing, cement grouted 3m depth using appropriate grouting mix	LS	2		
4.3	Supply and emplacement of chlorine for flushing	LS	2		
4.4	Well development by "air lift" pumping (surging and blowing of compressed air)	LS	2		
4.5	Supply and utilize chlorine for well disinfectant at completion	LS	2		
<b>5</b>	<b>PUMPING TEST</b>				
5.1	Constant Rate Test - 8 hours	LS	2		

5.2	Recovery Test - until 80% recovery (minimum)	LS	2			
<b>6</b>	<b>MISCELANEOUS</b>					
6.1	Supply of equipment to pump, collect and transport water from the nearest water source to the drill sites (water source is swamps located about 700 to 1400 m from each of the borehole sites)	LS	1			
6.2	Supply and installation of construction materials, equipment to construct platforms as per provided plans e.g. of the materials includes, cement, aggregate, sand, wire mesh and mold.	LS	2			
6.3	Supply and installation of India Mark II extra deep hand pump	LS	2			
6.4	Submit well completion report before payment including full lithological log, details of well construction, results and interpretation of all pumping tests	LS	2			

**NB:** The bidder should submit a financial proposal (Total budget and breakdown) or what you can call a Bill of Quantity using the above mentioned CINA template or preferably their own template.

Price and currency: **USD**.

The bid should be submitted to:

Operation and Procurement Officer

Email: [awak@cina-southsudan.org](mailto:awak@cina-southsudan.org)

Community in Need Aid

Juba, South Sudan

**Copying the following email addresses:**

[lual@cina-southsudan.org](mailto:lual@cina-southsudan.org)

[bolmark.cina@gmail.com](mailto:bolmark.cina@gmail.com)

**Tuesday, 13<sup>th</sup> April 2021, Time: 5.00 PM (CAT)**



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# Hand Pump Platform

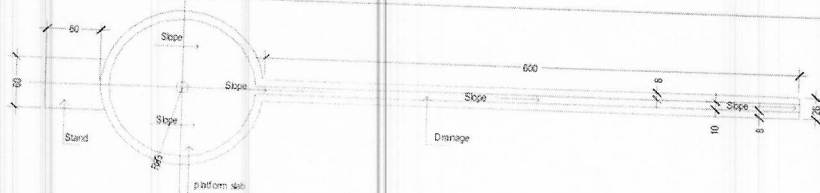
Hand Pump -01  
HP  
All South Sudan  
As shown

CP  
A01

01 Excavation Plan  
1:50



02 Plan  
1:50



03 Reinforcement plan  
1:60

