ALIGHT International

Terms of Reference

(TOR)

For A Borehole Drilling Work at Rajila Village, Yassin Locality, East Darfur State

Nov, 2022

# INTRODUCTION

ALIGHT International (ALIGHT) is the leading secular voluntary organization providing relief, and recovery services for IDPs, refugee and victims of violent conflict. ALIGHT began work in Sudan in 2004 by implementing an emergency relief intervention response to conflict in Sudan's Darfur Region.  Since then, ALIGHT has significantly expanded its presence across the country, assisting IDPs, refugees and local communities.  ALIGHT is currently implementing a wide range of emergency and recovery programs in WASH, health, livelihoods improvement and protection sectors in five states.

**Background of the project Area:**

Rajilla is a village in Yassin locality, located about 80 km North-East of El Daien town. ALIGHT is currently implementing water supply project in Yassin locality and developing new water supply system for communities.

ALIGHT is also involved in emergency response programs for the local community in different villages of Yassin with main objective of assisting communities facing natural and man-made disasters.

The targeted population of the village and also various institutions like health center, youth center, schools, small restaurants will require safe and sustainable water supply. Currently, the village population is getting water from a community borehole 10km far from the village. The existing water supply source is not adequate to meet all beneficiaries’ daily need, therefore ALIGHT has plan to develop an additional borehole for the Rajila population and institutions.

Hence, ALIGHT seek experienced companies to submit Financial and technical proposal to drill one deep well around Rejila Village, with GPS location= **11.53303 N, 25.31430 E** *East Darfur state,* as per the provided bill of quantities and hydro-geological and geo-physical study report.

# Objectives of the Drilling work:

The objective of the drilling work is to provide safe drinking water for communities and institutions.

# Location

**Specific site**: Rejila Village, **Locality:** Yassin, **State**: East Darfur

**Nearest town**: Yassin, 3 km East of the proposed Borehole

**Distance** – 80 Km North East from El Daein town (state capital).

# Scope of Work

The general scope of the drilling work includes:

1. To provide an efficient drilling machine to drill in all types of formation and/or using DTH and air-flush rotary system
2. To drill the wells in a professional manner under guidance and supervision of assigned hydro-geologist by the client.
3. Develop the well to clear all sand and clay to pump sand tolerance level of 25gm/m3 and construct the well as per the provided BoQ.
4. To provide fully calibrated discharge measurement tools, appropriate pump size and qualified personnel and conduct step and constant-discharge pump tests.

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## Detail Activities

* Review existing hydro-geological study report before commencing actual drilling work
* Conduct the drilling work with technically competent and well experienced drilling crew under guidance and supervision of a hydro-geologist assigned by the client.
* Assign a qualified and competent hydro-geologist to lead the drilling crew and record, monitor and analyze the driller and lithological logs.
* Prepare clear and concise professional drilling and pump test reports as agreed in the schedule of work.

## Information Required on bid submission

* Company profile with details of similar drilling works that have been completed specifying geographical location of each project with testimonies of accomplishment.
* Renewed work license for the year 2022 on drilling works
* List, type, model and capacities of equipment that will be used for the work
* Location or base of the company
* Method of boring and model of rig that will be deployed

# Staffing

* The company should submit list and qualification of qualified personnel who will be deployed to execute the work.
* The hydro-geologist should have a minimum of 5-year experience in supervising drilling crew
* The company should produce CV’s of its personnel, and responsibility of its staff who will be involved in the assignment (Once the contract is signed it is not possible to changes staff without consultation with the client)

# Logistics

The company should provide & transport all skilled and unskilled manpower and necessary material for field activities to carry out the work by itself.

**Payment Procedures**

ALIGHT will pay 30 % advance against bank or insurance guaranty on mobilization of crew & machineries, 60% on completion of drilling and upon submission of the final report, and the remaining 10% after three months of hand over (defect & liability period expires).

**Work Program and Schedule**

## Describe fully the program of the work, proposed to be completed, in a very short period of time after signing of the contract for the service. The offer should be broken up into appropriate tasks from mobilization of staff to submission of the final report. A chart showing the time required to complete each tasks and activities should be provided to illustrate the details. The maximum drilling time is 30 calendar days.

**Reports**

The company should submit the following reports as minimum requirement in the course of fulfillment of drilling and conducting pump test.

* Draft final Report: the contractor should furnish two copies of draft report in 10 days from the completion of the work. The report should encompass all details of drilling work (stage of drilling, borehole design include drawing, lithology, logger report) and pump tests, and water quality test report.
* Final Report: It will be prepared by incorporating all comments and recommendations made on the draft report and should be submitted to ALIGHT in 5 work days. Final report should be presented in two hard copies and one soft copy.

# Quotation

The submitted quotation should include:

1. Total cost breakdown for the listed activities itemized in the bill of quantities (BOQ) attached with the bid document
2. Company profile
3. Machineries and equipment planned to use
4. Time schedule.
5. Payment schedule.
6. CVs of personnel to be deployed for the work, CV of the team leader.
7. Commencement time after signing contract agreement
8. Offer validity period

**End**