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THROMDE ADMINISTRATION  
SAMDRUP JONGKHAR



SJT/IDD/05/2019-2020/ 2071

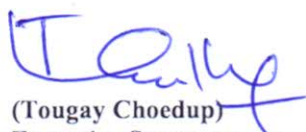
Date: 6/4/2020

Notice Inviting Tender

Samdrup Jongkhar Thromde invites sealed bids from the eligible bidders registered with the Construction Development Board for the construction of following works:

Contract No.	Name of work	Category	Bid Security (Nu.)	Date of Sale of Bid Document	Last Date & Time of Submission	Date and Time of Bid Opening	Contract Period	Estimate Amount (Nu.)
SJT/IDD/05/2019-2020/Water 1	Feasibility study and resistivity test of underground water table for execution of bore holes under Samdrup Jongkhar Thromde	Consultancy firm	20,000.00	10/4/2020 9 am	27/4/2020 at 10:00 AM	27/4/2020 at 11:00 AM	2 months	1200000.00

Complete set of bidding documents containing detail terms & conditions shall be available on the Thromde website i.e. [www.sjthromde.gov.bt](http://www.sjthromde.gov.bt) or [www.cdb.gov.bt](http://www.cdb.gov.bt). The bids must be accompanied by bid security as mentioned against the work and must be delivered on or before the dateline as specified above. The bids must be submitted to the Executive Secretary, Thromde Office, Samdrup Jongkhar and shall be opened on the date specified above in presence of intending bidders or bidder's representative who choose to attend. The bidders are requested to submit the copy of valid trade license/C.D.B certificate.

  
(Tougay Choedup)  
Executive Secretary

Copy to:-

1. Dasho Thrompon, Samdrup Jongkhar Thromde for kind information.
2. ICT Officer, Thromde Administration to upload on the Thromde website.
3. The Manager, Kuensel Corporation Ltd. Thimphu to publish in your forth coming publication.
4. Accounts officer, Thromde Administration for information.
5. Tender opening focal person, Thromde administration for necessary action.
6. Evaluation focal person, Thromde administration for necessary action.
7. Office Copy.

PABX: +975 7 251616, 251619, 251629 Fax: +975 7 251305 Website: [www.sjthromde.gov.bt](http://www.sjthromde.gov.bt)



**བསམ་གྲུབ་ཐྲོང་མཁར་ཁྲིམ་ཞེ།**  
**THROMDE ADMINISTRATION**  
**SAMDRUP JONGKHAR**



**TERMS OF REFERENCE (TOR)**



**“FEASIBILITY STUDY AND RESISTIVITY TEST OF  
UNDERGROUND WATER TABLE FOR EXECUTION OF BORE  
HOLES UNDER S/JONGKHAR, THROMDE”**

**(APRIL 2020)**

**SAMDRUP JONGKHAR THROMDE ADMINISTRATION**

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## BACKGROUND:

Samdrup Jongkhar Thromde is declared as one of the four class a municipalities of Bhutan along with Thimphu, Phuntsholing and Gelephu after including Dewathang extended areas within its limits by an act of parliament in 2010. The Thromde administration was delinked from Dzongkhag administration in 2011. Since then Thromde has been functioning as a municipal local government. The Thromde has urban development plan in place which is a guiding document for any developmental activities. Out of 8 LAPs, 7 LAPs are approved and are under implementation stage.

The Thromde under flagship program has proposed to construct boreholes in different laps. Before executing the construction works, it is necessary to carry out the feasibility study and test in different locations for availability of the underground water table within the Thromde area.

### I. SCOPE OF WORK:

The Bidder is required to carry out the **Feasibility Study and Resistivity Test of the underground water table in different locations (*not less than seven locations*)** within Thromde area and **present in detail the final detail report to the client (SJT) for execution of borehole under Samdrup Jongkhar Thromde in later stage.**

*The study and resistivity test be carried out within the budget limit of not more than 1.2 million.*

In this context, the following tasks shall be carried out by the Bidder:

- Survey and inspect of the sites for furnishing appropriate data and information before carrying out actual feasibility study and resistivity test.
- Demark/ identify the areas in consultation with the Thromde Administration before carrying out actual feasibility study and resistivity test.

### II. CLIENT/EXECUTING AGENCY:

The Thromde administration, Samdrup Jongkhar is client or executing or procuring agency of this particular work.

### III. ELIGIBILITY of BIDDERS:

The Consultancy firms, registered with Construction Development Board (CDB) of Bhutan is eligible to participate in the tender. The consultancy firm should prove that they have experience in similar projects. For the successful completion of works, the Firm shall supervise the test and study very effectively.

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THROMDE ADMINISTRATION  
SAMDRUP JONGKHAR



#### IV. TECHNICAL SPECIFICATIONS:

Before quoting, the Bidder must inspect the sites within the Thromde jurisdiction to fully acquaint himself about the conditions of land features, catchment areas and others geographical conditions of the area for Feasibility study and resistivity test of underground water table. No any extra claims during the study and test executed shall be entertained by the Employer in any circumstances. Any queries and clarifications must be sought before starting the study and test.

Bidder shall develop, make a presentation to the Thromde tender awarding committee and submit the final detailed Investigation Report of underground water table with Technical specifications of feasibility study and resistivity test carried out showing location on the google map, depth of aquifer, drawings showing of soil profiles till water table, profile of the aquifer.

##### Study and Resistivity Test

The Feasibility study and Resistivity test shall be carry out with the latest versions of equipment and using the best technology used in different state around the world.

Firms shall use any sort machines for the physical drilling for the study and test, however, after completion, the natural ground level has to reinstate it for the safety of any pedestrian living around it.

**Bid validity:** The bid shall valid for **60** days from the date of opening.

The bidder shall submit one original and a copy of bid.

**Bid security validity:** The bid security shall valid 30 days more than the validity of the bid.

The Bid Security amount of Nu. [20000.00] will be required, in the form unconditional Bank guarantee/Cash warrant/ Demand draft in favour of Executive Secretary, Thromde Administration, Samdrup Jongkhar

##### Deliverable Schedule.

- Bidders shall submit their bid on the date mentioned in NIT.
- The opening of the bid shall be done as indicated in NIT.

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**THROMDE ADMINISTRATION**  
**SAMDRUP JONGKHAR**



**V. EVALUATION CRITERIAS:**

The firm:

- Should have executed similar work using latest technology for last five -seven years.
- Should have latest equipment use for study and test of underground water table.
- The bid shall include all the expenses required to carry out the Services and works as per the Terms of Reference & other relevant clauses in the Contract Agreement.

**VI. COMMENCEMENT AND DURATION OF CONTRACT:**

The contract shall come in effect from the date of signing of contract and the duration for the completion of works is 2.0 months from the date of signing of contract.

**VII. KEY TECHNICAL PERSONNEL:**

All the experts who have a crucial role in implementing the contract are referred to as key experts and detail profiles of these key experts required for this assignment are given below. Overall, the Bidder shall provide a suitably qualified team to carry out the detailed studies and test.

**Key expert:**

- a. Geo-Tech Engineers
- b. Surveyors

**Qualifications and experiences:**

- At least Bachelor's Degree in Geo-Tech engineering from a reputed University with 5 years of similar work experience
- At least diploma in Geo surveying with more the 5 years of work experience

The task and responsibilities specified above are generic in nature and the experts will have to undertake all the activities required for them to complete the project as defined in the detailed scope of work. Preference shall be given to experts having experiences in similar works. Supporting document for key personnel's /training certificate(s) from the reputed training institutions is required. Similarly, the qualifications/ experiences shall be supported by academic qualification and experience certificates (in English).

Non submission of the evidences for the qualification shall have an effect on evaluation criteria. Translations in English must be submitted along with the copy of original if the certificates are not in English.



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VIII. BILL OF QUANTITY:

Sl No.	Description	Unit	Qty	Amount in Figure (nu.)	Amount in word
1	Feasibility Study and Resistivity Test of the underground water table in different locations ( <i>not less than seven locations</i> ) for execution of borehole under Samdrup Jongkhar Thromde.	job	1		

Total Nu:

Rebate if any (.....%)

Grant Total Nu:

Amount in words:.....

IX. MODE OF PAYMENT:

The mode of payments shall be in the Account payee cheques drawn in favour of the Bidder's firm. The payments shall be made in local currency, that is, in Bhutanese Ngultrum only. The Bidder shall submit bills in original while claiming for release of payments. The Executing Agency shall properly scrutinize the bills, verify and submit for release of payments. The client shall plan and release payment as per the payment schedule submitted by the bidder depending on the progress of study and test achieved at site.

The payment schedule payable to the Bidder for performing the study and test within the scope of works shall be released as follows:

Sl no.	Activity	Amount to be released	Remarks
1	Mobilization Advance after Signing of contract	10%	
6	Completion and handing taking of work.	90%	

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**X. RETENTION MONEY:**

From every bill, 10% (ten percent) shall be deducted as retention money. The retention money would be released only after completion of defect liability period.

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