

Rajgir, District: Nalanda, Bihar – 803 116 Ph. No: 06112 255330 Web: <u>www.nalandauniv.edu.in</u>

## Limited Tender Enquiry

## No. NU/NIQ/ENGG./MC/2016-17/03/396

Date: 31 August 2016

То

Dear Sir

On behalf of the Vice Chancellor, Nalanda University, Rajgir, Bihar, you are being invited to submit quotation for **Conducting confirmatory soil investigation test for Phase I Construction of Nalanda University's Proposed Permanent Campus at Rajgir, Bihar,** as per the Schedule of Quantities enclosed herein below as **Annexure I** and as per the Terms & Conditions specified here under:

- 1. Last Date & Time for submission of quotations: 14 September 2016, 1530 Hours
- 2. Date & Time for opening of quotations: 14 September 2016, 1600 Hours
- 3. Venue for Submission & opening of Quotations: Nalanda University Interim Campus, At Chhabilapur Road, Rajgir, District Nalanda, Bihar 803116.
- **4. Earnest Money Deposit:** Rs. 15000/- (Rupees fifteen thousand only) through DD from any Nationalized Bank payable at Rajgir, in favour of Nalanda University, Rajgir, Bihar.
- 5. Contractor:

The Contractor shall mean any individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm or company.

### 6. Mode of Submission:

a. The quotation may be sent by post or may be dropped in the Tender Box of the Nalanda University, Rajgir, placed in the Reception, on or before due date & time of receipt of offer as indicated above. Quotations which do not reach this office latest by 3:30 PM on the due date, will not be opened and will be summarily rejected. The Nalanda University will not be responsible for any delay in receipt of quotation by post whatsoever may be the reason.

- b. Quotations must be submitted by the time and date mentioned in the Schedule covered in the Notice Inviting Quotation (NIQ). The entire NIQ document downloaded by the bidder shall be submitted in a sealed cover after reading carefully and signing each page with seal of the bidder. The Schedule of Quantities as per Annexure I shall be duly filled for the rates and signatures affixed wherever required. The sealed cover shall be super scribed with "CONDUCTING CONFIRMATORY SOIL INVESTIGATION TEST FOR PHASE I CONSTRUCTION OF NALANDA UNIVERSITY'S PROPOSED PERMANENT CAMPUS AT RAJGIR, BIHAR". The quotation shall be signed by a person legally authorized to enter into commitment on behalf of the Bidder. Bidder shall submit Power of Attorney in favour of the person who is authorized to enter into commitments on behalf of the Bidder. If the bidder is an individual, the quotation along with the NIQ shall be signed by such individual above the full type written name and current address.
- c. Copy of Certificates of PAN card, TIN/VAT Registration, and Service Tax Registration should be submitted along with the bid.
- d. NALANDA UNIVERSITY will not be bound by any Power of Attorney granted by the Bidder or changes in the constitution of the firm made subsequent to submission of the bid or after the award of the contract. The University may, however, recognize such Power of Attorney and changes after obtaining proper legal advice, the cost of which will be borne by the Bidder.
- e. The cancellation of any document such as Power of Attorney, Partnership Deed etc. should be communicated by the Bidder to the NALANDA UNIVERSITY in writing well in time, failing which NALANDA UNIVERSITY shall have no responsibility or liability for any action taken by NALANDA UNIVERSITY on the strength of the said documents.
- f. Should the Bidder have a relative or relatives in NALANDA UNIVERSITY or one or more of its shareholders are a relative or relatives of the shareholder(s) employed in a superior capacity in NALANDA UNIVERSITY, the relevant authority inviting the quotations shall be informed of the facts at the time of submission of the bid, failing which the bid may be disqualified or if such fact subsequently comes to light, NALANDA UNIVERSITY reserves the right to take any other action as it deems fit in accordance with any applicable Law, Rules, Regulations of the like in force.

#### 7. Validity of Quotations:

The offer shall be kept valid for a period of 90 days (Ninety days) from the date of opening of quotation.

### 8. Prices

figures and in words (English) the rates for each item in the Schedule of Quantities (Annexure I). The amount for each item should be worked out and entered. The tendered amount for the work including any taxes applicable as extra shall be entered in the quotation both in figures and in words. The price part shall be duly signed and stamped on each page. Prices shall be quoted in Indian National Rupees (INR) only.

### 9. Billing & Payments:

The Contractor shall submit the bill(s) / invoice(s) in a format to be decided between the NALANDA UNIVERSITY and the Contractor. The NALANDA UNIVERSITY shall release the payments within 15 Days from the date of receipt of the Bill(s)/ invoice(s) duly certified by Engineer incharge along with necessary supporting documents, if found in order. However, the sequence for releasing payments shall be as detailed below:

- a. 95% payment shall be released after completion of complete work in all respect.
- b. 5% payment shall be released after 60 days of successful completion of the works.

The tentative quantities are given in SOQ as Annexure –I. However the actual field joint measurement will be acceptable for payments of bills submitted.

### 10. Time Schedule:

The time stipulated for completion of works in all respect for conducting confirmatory soil investigation test for Phase I Construction of Nalanda University's is 25 (Twenty five) days from issuance of letter of award/work order.

## 11. Nalanda University's Rights:

NALANDA UNIVERSITY reserves the right to accept a quotation other than the lowest and to accept or reject any quotation in whole or part, or to reject all the quotations received with or without assigning any reasons.

### 12. Contract Document:

- a. The Bidder whose quotation has been accepted by NALANDA UNIVERSITY shall enter into a formal agreement with NALANDA UNIVERSITY on the date and place to be notified by NALANDA UNIVERSITY.
- b. Contract Documents for agreement shall be prepared after award of work as intimated to the successful Bidder through a Letter of Intent. Until the final Contract Documents are prepared and executed, the NIQ together with the annexed documents and the Bidder's acceptance thereof shall constitute a bidding contract between the successful Bidder and NALANDA UNIVERSITY. The statement of Agreed Variations, if any, shall be prepared based on the finally retained and agreed deviations, all relevant correspondences, minutes of meetings, addendum /

amendments issued by NALANDA UNIVERSITY. Above mentioned contract document shall supersede all correspondences and Minutes of Meetings (MOMs) etc. held between NALANDA UNIVERSITY and the Bidder prior to issue of Letter of Intent. Any deviations of stipulations made and accepted by NALANDA UNIVERSITY after award of the job shall be treated as amendments to the contract documents made as above.

c. Only the bidder in whose name this NIQ is issued shall be eligible for making the contract agreement with the UNIVERSITY.

### 13. Liquidated Damage:

If work is not completed within specified period a liquidation damage will be charged from contractor @ 2% per week from contractor up to maximum of 10% of contract value of tender.

### 14. Acceptance:

It is not binding to the University to accept the lowest or any tender. The Nalanda University reserves the right to accept or reject any offer at its option or place order with more than one supplier for full or part quantity of this enquiry without assigning any reason and the same shall be binding on suppliers unless otherwise stated in the offer. No correspondence shall be entertained on this account.

### 15. Disputes:

All disputes, if any, out of or in respect of this enquiry are to be settled at Rajgir or be tribunal only in any competent court situated at Rajgir/Patna, Bihar. Stated specifically to the contrary, it shall be deemed that you have agreed to all terms and conditions mentioned in the enquiry and the same shall be binding on you.

Enclosed: Annexure I – Schedule of Quantities

Sincerely

Engineering Section (Civil) Nalanda University, Rajgir District – Nalanda, Bihar



## No. NU/NIQ/ENGG./MC/2016-17/03/396

Date: 31 August 2016

## Annexure I Schedule of Quantities

S.No	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
	Field Work :				
1	Setting up site organization including complete mobilization of personnel, equipment & accessories as per specification, Locating all boreholes & other field test points, Taking their R.L.s. and Making complete arrangement for Field Work at site including Shifting from one point to other.	L.S.	1		
2	Boring of not less than 150 mm dia. Borehole upto maximum 30 m depth from Existing Ground Level (EGL), by power operated, winch driven, Shell / Bailer, through all types of Soil including Chiselling through local obstructions, if required, Prevention of collapse of borehole walls, wherever necessary, maintaning of detailed boring record, all as per specification.	m	600		
	Collection (including preservation &	111	000		
3	transportation to laboratory) of Undisturbed tube samples of soil from boreholes as per specification.	No.	100		
4	Collection (including preservation & transportation to laboratory) of Disturbed samples from borehole as per specification.	No.	400		
5	Performing Standard Penetration Test in original soil & highly weathered rock layer (including preservation and transportation of sample collected from split spoon sampler) as per specification.	No.	300		
6	Collection (including preservation & transportation to laboratory) of Water samples from borehole as per specification.	No.	3		
7	Performing field Vane Shear Test in borehole & recording of results, all as per specification.	No.	4		

8	Recording of stable ground water table for each borehole as per specification.	No.	20	
	Laboratory Work			
	(all the tests to be carried out as per specification only)			
9	Determination of Natural Moisture Content of soil.	No.	100	
10	Determination of Liquid Limit of soil.	No.	100	
11	Determination of Plastic Limit of soil.	No.	100	
12	Determination of Shrinkage Limit of soil.	No.	10	
13	Determination of grain size distribution of soil.			
	Sieve Analysis for coarser fraction	No.	200	
	Hydrometer Analysis for finer fraction.	No.	40	
14	Determination of Specific Gravity of soil.	No.	20	
15	Determination of Bulk Density & Dry Density of soil.	No.	100	
16	Conducting Unconfined Compression Test on soil.	No.	30	
17	Conducting Triaxial Compression test on soil.			
	Unconsolidated Undrained test	No.	70	
	Consolidated Undrained test	No.	3	
18	Direct Shear test on soil.	No.	60	
19	Conducting consolidation test on soil.	No.	20	
20	Determination of Free Swell of soil.	No.	10	
21	Conducting Swelling Pressure test on soil.	No.	6	
22	Conducting Vane Shear test on soil.	No.	6	
23	Conducting Standard Proctor compaction test on soil.	No.	6	
24	Determination of Permeability of soil.			
	By constant head method	No.	3	
	By falling head method	No.	3	
25	Determination of Organic content of soil.	No.	3	
26	Determination of pH value of soil.	No.	3	
27	Determination of Sulphate content of soil.	No.	3	

28	Determination of Chloride content of soil.	No.	3		
29	Determination of pH value of sub- surface water	No.	3		
30	Determination of Sulphate content of sub-surface water.	No.	3		
31	Determination of Chloride content of sub-surface water.	No.	3		
	Report				
32	Preparation & submission of Draft & Final Report as per specification.	L.S.	1		
	Total Amount (In Rs.) =				
	Taxes as applicable @% =				
	Grand Total (In Rs.)=				
Amount in Words :					

### PHASE-I DEVELOPMENT OF NALANDA UNIVERSITY CAMPUS

## AT RAJGIR, BIHAR

**TENDER DOCUMENT** 

## TECHNICAL SPECIFICATION FOR

**GEOTECHNICAL INVESTIGATION WORK** 

# PHASE-I DEVELOPMENT OF NALANDA UNIVERSITY CAMPUS

## AT RAJGIR, BIHAR

- 01.01 GENERAL
  - i)

ii)

iii)

iv)

v)

vi)

vii)

viii)

ix)

x)

xi)

01.03 Time Schedule

02 SPECIFICATION OF WORK

02.01 EQUIPMENT & ACCESSORIES

xii)

02.02 FIELD WORK

SCOPE OF WORK

02.02.01 Boring

02.02.02 Undisturbed Sampling in Soil

02.02.03 Disturbed Sampling in Soil

02.02.04 Water sampling

02.02.05 Standard Penetration Test

02.02.06 Chiselling

02.02.07 Ground Water Table

## 02.02.08 Field Vane Shear Test

## 02.03. LABORATORY TEST

I.

II.

III.

IV.

V.

VI.

VII.

VIII.

02.03.01 Test on Soil Sample

i) Visual Identification & Engineering classification :

ii) Sieve Analysis & Hydrometer Analysis

iii) Atterberg Limits:

iv) Specific Gravity:

v) Chemical Analysis:

vi) Proctor compaction

vii) Bulk Density & Water Content:

viii) Unconfined Compression:

ix) Direct Shear:

x) Triaxial Shear:

xi) Vane Shear:

xii) Consolidation:

xiii) Swelling:

xiv) Permeability:

## 02.03.02 Test on Sub-surface Water Sample

i) pH value :

- ii) Sulphate content:
- iii) Chloride content:

02.04 REPORT

a) b)

c)

d)

e)

f)

g)

**h)** γ

φ

i)

j)			
k)			
I)			
m)			

n)

o)