



Rajgir, District Nalanda, Bihar

## **Notice Inviting Tender (Short)**

NIT No: NU/ENGG/124/2025-26/01

The Registrar, Nalanda University on behalf of the Vice Chancellor, Nalanda University invites online bids from firms/contractors of repute in two bid system for the following work:

NAME OF WORK: Slope protection works by laying of geotextile filter and boulder stone pitching at Nalanda University Library premises at Nalanda University Main Campus at Rajgir, Nalanda, Bihar – 803116.

Estimated Cost: Rs. 28.82 Lakhs

Earnest Money: Rs. 57,640/-

Tender Form Fee: Rs. 1000/- plus GST @ 18%

Period of Completion: 30 days from issuance of Work Order

Last time and date of submission of bid: 22.01.2026 up to 3:00 pm

Date of Opening of Technical Bids: 22.01.2026 3:30 pm

## Contents

TECHNICAL BID.....	5
INSTRUCTIONS TO THE BIDDERS .....	7
19.0 CRITERIA FOR ELIGIBILITY (TECHNICAL TENDER) .....	11
FORM - A .....	13
PROFORMA OF SCHEDULES: A TO F .....	21
SCHEDULE OF REQUIREMENTS .....	21
SCHEDULE D .....	23
SCHEDULE E .....	23
CLAUSE 25 (CPWD GCC): Settlement of Disputes .....	26
FORMAT OF AGREEMENT.....	27
GENERAL CONDITIONS OF CONTRACT .....	30
TECHNICAL SPECIFICATIONS .....	31



Rajgir, District Nalanda, Bihar – 803116

Website: [www.nalandauniv.edu.in](http://www.nalandauniv.edu.in)

### **Notice Inviting Tender (Short)**

**NIT NO: NU/ENGG/124/2025-26/01**

1. Sealed Percentage Rate tenders (in e-tendering mode) are invited by the Nalanda University for the following work from eligible contractors in two-bid system in Permanent campus NU Rajgir, Bihar by the undersigned. Earnest money is required through NEFT/ RTGS/e-payment gateway of the online e-procurement (<https://nalandauniv.ewizard.in>) portal of Nalanda University.
2. Tender document can be downloaded from the University's official website [www.nalandauniv.edu.in](http://www.nalandauniv.edu.in) or from <https://nalandauniv.ewizard.in> or <https://eprocure.gov.in/epublish/app>. Bidders are required to submit tender processing fee of Rs. 500/- (Rupees five hundred only) along with their tenders in favour of Nalanda University payable at Rajgir Bihar.
3. The Tender shall be on two bid system, where techno-commercial details along with the proof of EMD and e-Tender processing fee along with all technical eligibility documents shall uploaded online in <https://nalandauniv.ewizard.in> portal under the packet named as "Technical Bid" and price bid shall be uploaded in to the packet named as "Price Bid".
4. The Competent Authority at Nalanda University shall have the right to reject any or all the tenders received and annul the entire tendering process without assigning any reason thereof or incurring any liability to the bidders.

Sl. No.	Description	Particulars
1.	Name of Work	Slope protection works by laying of geotextile filter and boulder stone pitching at Nalanda University

<b>Sl. No.</b>	<b>Description</b>	<b>Particulars</b>
		Library premises at Nalanda University Main Campus at Rajgir, Nalanda, Bihar – 803116.
2.	Estimated Cost	Rs. 28.82 Lakhs
3.	Earnest Money	Rs. 57,640/- (Rupees fifty-six thousand only)
4.	Tender Form Fee	Rs. 1000/- plus GST @ 18%
5.	Period of work completion	30 days from issuance of work order
6.	Last date & time for submission of bid	22.01.2026 at 03:00 PM
7.	Opening of Technical Tender	22.01.2026 at 03:30 PM
8.	Place of bid opening	Through online mode in <a href="https://nalandauniv.ewizard.in">https://nalandauniv.ewizard.in</a>
9.	Bid validity period	120 days from last date of submission of bids
10.	Officer inviting bids	The Registrar, Nalanda University

PART – I  
**TECHNICAL BID**  
**Notice Inviting Tender**

Tender Ref. No. NU/ENGG/124/2025-26/01

Sealed tenders are invited on behalf of the Vice Chancellor, Nalanda University for the work as detailed below.

1. NAME OF WORK - Slope protection works by laying of geotextile filter and boulder stone pitching at Nalanda University Library premises at Nalanda University Main Campus at Rajgir, Nalanda, Bihar – 803116.
2. EARNEST MONEY DEPOSIT Rs. 57,640/- (Rupees Fifty-six Thousand only) to be paid through NEFT/RTGS or through e-payment gateway of NU e-wizard portal.
3. E-TENDER FORM FEE: Rs. 1000/- (Rupees Five Hundred) plus GST @ 18% to be paid through NEFT/RTGS or through e-payment gateway of NU e-wizard portal.
4. TIME SCHEDULE: 30 (Thirty) days reckoned from the date of issue of Work Order.
5. LAST DATE & TIME FOR RECEIPT OF TENDERS: 22.01.2026 up to 3:00 pm.
6. OPENING OF TENDERS: Technical tenders shall be opened on 22.01.2026 at 3:30 pm in the online e-procurement website as mentioned above. Those who meet the requirements as per the Technical Bid only their Price Bid will be opened separately on date chosen by the TEC (Tender Evaluation Committee) & the successful bidder will be informed of the same.
7. PLACE OF SUBMISSION: Through online e-tendering platform of Nalanda University <https://nalandauniv.ewizard.in>.
8. Nalanda University reserves the right to reject any or all the tenders received and annul the entire tendering process without assigning any reason thereof or incurring any liability to the bidders.

Sd/-  
REGISTRAR  
NALANDA UNIVERSITY

## **SUBMISSION OF OFFER**

(In Bidders' Letter Head)

To  
The Registrar  
Nalanda University  
Rajgir, Bihar

Ref. NIT No: NU/Engg/124/2025.26/01

Dear Sir,

We hereby submit our offer in full compliance with the terms and conditions of the attached Document.

We are hereby submitting earnest money deposit and tender form fee in the form as specified in the tender document for an amount of Rs. 57,640/- through \_\_\_\_\_(provide details of transaction through RTGS / NEFT /e-Payment UTR No).

Our offer shall remain valid for acceptance for a period of 120 days from the date of opening of technical tender.

Sincerely yours,

(Seal and Signature of the Tenderer)

Full Name \_\_\_\_\_ Title &

Capacity\_\_\_\_\_

(SEAL AND SIGNATURE OF THE BIDDER)

## **INSTRUCTIONS TO THE BIDDERS**

### **1.0 SITE INFORMATION**

The work involves Slope protection works by laying of geotextile filter and boulder stone pitching at Nalanda University Library premises at Nalanda University Main Campus at Rajgir, Nalanda, Bihar – 803116.

### **2.0 The tender shall be accompanied with the following documents:**

2.1 Proof of submission of EMD, and Tender Form Fee and copies of certificates of prequalifying documents as specified in the NIT shall be uploaded in the e-procurement portal as mentioned above.

2.2 Price bid duly filled in and compiled with rates quoted as percentage below/above/ at par with the rates entered in the Schedule of quantities and total amount tendered as per the prescribed format digitally signed by the authorized signatory shall be uploaded separately under packet 2 (Price Bid).

2.4 Technical tender documents submitted by intending bidders shall be opened only of those bidders, whose Earnest Money Deposit and Tender Processing Fee and other documents placed in the Packet 1 are found in order.

2.5 Copy of Certificates of PAN card, GST Registration should be submitted along with the bid.

2.6 The tender submitted shall become invalid if:

2.6.1 The bidder is found ineligible; or

2.6.2 The bidder fail to upload all the documents as stipulated in this tender document.

2.6.3 The bidder does not deposit EMD and tender processing fee as prescribed above.

2.6.5 If a tenderer does not quote any percentage above/below on the total amount of the tender in the percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

3.0 The contractor whose bid is accepted will be required to furnish performance security of 5% (Five Percent) of the tendered amount within three working days. This performance security shall be paid in the form of NEFT/RTGS. In case the contractor fails to deposit the said performance security within the period as indicated above, including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with tender shall be returned after receiving the aforesaid performance security.

- 4.0 Intending bidders must inspect and examine the Site and its surroundings and satisfy themselves before submitting their tenders to clearly understand the nature of the work for which they are tendering for. A bidder shall be deemed to have full knowledge of the Site whether an inspection has been undertaken by the bidder or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed in the amount quoted in the tender. The bidder shall be responsible for arranging and maintaining cost of all materials, tools & plants, water, electricity, access, facilities for workers and all other services required for executing the Work unless otherwise specifically provided for in this document and/or the agreement and/or any other letter, circular, notification issued or document released by NU. Submission of a tender by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the Work to be executed and of conditions and local conditions and other factors having a bearing on the execution of the Work.
- 5.0 Owner is not bound to accept the lowest or any other tender and reserves to itself the right to reject any or all the tenders received without assigning any reason thereof. Owner also reserves the right to restrict the list of qualified contractors to any number deemed suitable by it, if too many tenders are received satisfying the laid down criteria. All tenders in which any of the prescribed conditions are not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be rejected summarily. Tenders subject to any conditions proposed by the bidder shall not be accepted and shall be liable to be rejected.
- 6.0 Canvassing either directly or indirectly, in connection with tender is strictly prohibited and the tenders submitted by the bidders who resort to canvassing shall be liable to be rejected.
- 7.0 Nalanda University reserves the right of accepting the whole or any part of the tender and the bidders shall be bound to perform the same at the quoted rate.
- 8.0 The bidder shall intimate the names of persons who are or were working in any capacity with the bidder or are subsequently employed by the bidder and who are or have been an officer in NU.
- 9.0 The contractor shall not be permitted to render for this work if his near relative is employed by Nalanda University in any capacity. He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any officer in Nalanda University or in the



Ministry of External Affairs. Any breach of this condition by the contractor would render liable to be debarred from participating in tender process.

10.0 No engineer of Gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering department of Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found to be such a person who had not obtained permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

11.0 The tender for the Work shall remain open for acceptance for a period of 120 days from the date of opening of Technical tender. In case any bidder withdraws its tender before the end of sixty days or issue of letter of acceptance, whichever is earlier, or makes such modifications in the terms and conditions of the tender which are not acceptable to the University, then the Competent Authority at Nalanda University shall, without prejudice to any other right or remedy available under the contract or law, be at liberty to forfeit 50% of the EMD. Further, such bidder shall be debarred from participating in the re-tendering process of the Work.

#### 12.0 TIME SCHEDULE:

12.1 The time allowed for carrying out the Work shall be 30 days from the date of issuance of work order or execution of the Contract Agreement whichever is earlier.

#### 13.0 PERCENTAGE RATES:

14.1 The percentage rates quoted by the Contractor are deemed to be inclusive of site clearance, setting out work, profile, setting lay out on ground, establishment of reference bench mark(s), installing various signage, taking spot levels, survey with total station, construction of all safety and protection devices, compulsory use of helmet and safety shoes, and other appropriate safety gadgets by workers, imparting continuous training for all the workers, barriers, preparatory works, construction of clean, hygienic and well-ventilated workers housings in sufficient numbers as per drawing supplied by Engineer in charge, working during monsoon or odd season, working beyond normal hours, working at all depths, height, lead, lift, levels and location etc. and any other unforeseen but essential incidental works required to complete this work. Nothing extra shall be payable on this account and no extension of time for completion of work shall be granted on these accounts.

- 14.2 The rates quoted by the bidder, shall be firm and inclusive of all taxes and levies as applicable (including GST and all other taxes and levies, Royalty & seignourage charges whichever is applicable on the last date of receipt of tender). Labour cess applicable as per relevant Central/State laws will be deducted from every bill of the contractor and deposited to respective Government department. The ESI and EPF contributions on the part of employer in respect of this contract shall be paid by the contractor. These contributions on the part of the employer paid by the contractor shall be reimbursed by the University to the contractor on actual basis. Effect of any tax due to new legislation shall be adjusted accordingly as per actual on production of documentary proofs of payment of such tax to concerned Government departments.
- 14.3 No foreign exchange shall be made available by the Owner for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.
- 14.4 All ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, liaison and pursuing for obtaining various No Objection Certificates, completion certificates from local bodies etc., protection works, testing facilities / laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer-in-Charge), shall be deemed to be included in rates quoted by the Contractor, for various items in the schedule of quantities. Nothing extra shall be payable on these accounts. Before start of the work, the Contractor shall submit to the Engineer-in-Charge, a site / construction yard layout, specifying areas for construction, site office, positioning of machinery, material yard, cement and other storage, steel fabrication yard, site laboratory, water tank, etc.
- 14.5 For completing the work in time, the Contractor might be required to work in two or more shifts (including night shifts). No claim whatsoever shall be entertained on this account, not with-standing the fact that the Contractor may have to pay extra amounts for any reason, to the labourers and other staff engaged directly or indirectly on the work according to the provisions

of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them.

14.6 All material shall only be brought at site as per program finalized with the Engineer-in-Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.

14.7 Rate shall include Liaison work required, if any, in this regard with the local bodies. Nothing extra shall be payable on this account. Statutory charges, fees etc. required to be paid to the local bodies in this connection shall only be payable by the Owner or shall be reimbursable to the contractor on production of proof of actual payment made by him.

15.0 The Site shall be handed over to the successful bidder at the time of award of contract on “as is where is” basis.

16.0 The tender documents consisting of drawings, specifications, schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with and other necessary documents can be seen on the website of NU at [www.nalandauniv.edu.in](http://www.nalandauniv.edu.in), <https://nalandauniv.ewizard.in> and also at <https://eprocure.gov.in/epublish/app>.

17.0 Intending bidders are advised to obtain valid class-II (or appropriate class) digital signature to participate in tendering.

18.0 While submitting the revised tender, contractor can revise the percentage rate offered one or more item(s) any number of times but before last time and date of submission of tender as notified.

## 19.0 CRITERIA FOR ELIGIBILITY (TECHNICAL TENDER)

19.1 The eligibility criteria applicable for the bidders for the present tender in terms of the scope of Work shall be:

19.1.1 The bidder should have satisfactorily completed three similar works each costing not less than **Rs. 11.50 Lakhs** (Rupees eleven lakh fifty thousand only) or completed two similar works each costing not less than **Rs. 17.30 Lakhs** (Rupees seventeen lakh thirty thousand only) or completed one similar work costing not less than **Rs. 23.0 Lakhs** (Rupees twenty three lakh only) during the last seven (7) years ending previous day of the last day of submission of Tender.

19.1.2 For this purpose cost of work shall mean gross value of the completed work. This should be certified by an officer not below the rank of Executive Engineer/Project Manager or equivalent.

- 19.1.3 For the purpose of this clause 19.1.1, “similar work” shall mean “Carrying out site development works for Universities / colleges / schools / hospitals / commercial complexes /power plants / IT parks/institutions under any Central or state Government/public sector undertakings/autonomous bodies/ private organisations etc. under one agreement, in India within last seven years”.
- 19.2 The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the previous day of the last day of submission of the Tender.
- 19.3 The bidder should have minimum average annual financial turnover (gross) of **Rs. 14.41 lakhs** during the immediate last three consecutive financial years, ending 31st March 2025. Chartered Accountant certificate as per Form ‘A’ as enclosed for last five financial years shall be submitted as a proof.
- 19.5 The bidder must visit the site of work, at his own cost, and examine it and its surroundings to familiarise himself and collect all information that he considers necessary for proper assessment of the prospective assignment. Duly Filled Form ‘B’ is a mandatory requirement of this tender.

FORM - A

FINANCIAL INFORMATION

1. Financial Analysis – Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last five financial years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Figure in lakhs Rs.

Particulars	Financial years		
	2022-23	2023-24	2024-25
(a) Gross Annual Turn on Civil Works (last 03 Financial years as on 31.03.2025)			
(b) Profit / Loss (last 03 Financial years as on 31.3.3025)			

Signature of Chartered Accountant with Seal

Signature of Bidder(s) with seal

FORM - B  
AFFIDAVIT FOR SITE VISIT

I, \_\_\_\_\_, aged \_\_\_\_ years, son/daughter of \_\_\_\_\_, presently residing at \_\_\_\_\_ and authorized by \_\_\_\_\_ (name of bidder) (“Bidder”) to solemn this affidavit on behalf of the Bidder, solemnly affirm on oath as hereunder:

1. The Bidder confirms that the Bidder has duly undertaken the visit of the proposed project site of Nalanda University, located at Rajgir, Bihar.
2. The Bidder has inspected and examined its surroundings and has satisfied itself about the site conditions and site logistics. The Bidder confirms that it is aware of the ground conditions and nature of the site, means of access to the site and the accommodation area required for establishing the labour camp. The Bidder agrees and confirms it shall be solely responsible for arranging and maintaining the afore-mentioned at its own cost including all materials, tools & plants, water, electricity, access, facilities for workers and all other services required for executing the Work unless otherwise specifically provided for in the contract documents.
3. The Bidder confirms and agrees that the submission of the tender implies that the requisite site visit has already been undertaken and that the Bidder has acquainted itself with the local conditions and other factors having a bearing on the execution of the Work.

DEPONENT VERIFICATION

I, \_\_\_\_\_, aged \_\_\_\_ years, son/daughter of \_\_\_\_\_, presently residing at \_\_\_\_\_ and authorized by Bidder verify that the information mentioned above is true and correct to the best of my knowledge and belief.

DEPONENT

## 20.0 EVALUATION CRITERIA FOR ELIGIBILITY (TECHNICAL TENDER)

20.1 The details submitted by the bidders will be evaluated in the following manner:

20.1.1 The criteria for eligibility prescribed in para 19.1, 19.2 and 19.3 above in respect of experience of eligible similar class of works completed and financial turn over shall be first scrutinized and the bidder's eligibility for the work shall be determined.

20.1.2 The bidders qualifying the initial criteria as set out in Para 7.0 above will be evaluated for following criteria by scoring method on the basis of details furnished by such bidders:

Sl. No.	Evaluation Criteria	Maximum Marks	Marks Obtained	Proofs to be submitted
1.	Financial Strength: Average Annual Turnover	30 Marks (60% marks will be given for minimum eligibility criteria and 100% marks will be given for double the eligibility criteria)		Copy of CA certificate as per Form 'A' for last five years to be submitted
2.	Work Experience: 'Similar Works' executed in past 7 years	30 Marks (60% marks will be given for minimum eligibility criteria and 100% marks will be given for double the eligibility criteria)		Copy of certified bills/completion certificate mentioning value of similar works to be submitted
3.	Performance in Quality of Works executed	40 Marks 1 For Outstanding/ Excellent: 40 2 For Very Good: 30 3 For Good: 20 4 For Poor: 0		Certificate from respective client to be submitted

20.1.3 To become eligible, the bidder shall secure at least 60% marks in aggregate and 50% marks in each category as detailed under Sl No 1, 2 3 in above table.

20.1.4 In case of eligible similar works being more than one, average value of performance of works for time overrun and quality shall be taken on the basis of performance report of these works.

**21.0 GENERAL CONDITIONS OF CONTRACT:**

**21.1 Unless otherwise specified the relevant provisions made under CPWD General Conditions of Contract 2023 read along with the correction slips issued time to time till last date of submission of tender shall be binding for the Contractor during the pendency of the contract.**



PART – II

**FINANCIAL BID**

NIT FORM CPWD-7

NALANDA UNIVERSITY, RAJGIR, BIHAR.

**Name of Work:** Slope protection works by laying of geotextile filter and boulder stone pitching at Nalanda University Library premises at Nalanda University Main Campus at Rajgir, Nalanda, Bihar – 803116.

- i) The tender documents can be viewed and downloaded from Nalanda University website <https://nalandauniv.edu.in/tenders/>. The tender downloading will start from 15.01.2026.
- ii) Opening of Eligibility Bids Offline: 22.01.2026 at 15:30 Hrs the bid forms and other details can be obtained from the website <https://nalandauniv.edu.in/tenders/> and <https://nalandauniv.euniwizarde.com>.

## THE BID

I/We have read and examined the Notice inviting bid, Forms-A, B, C, D, E, F & G, schedules A to F, tentative Layout plan, Particular Specification of work, Special conditions, Schedule of Items, other terms & conditions, CPWD GCC for Construction Works 2023, CPWD works manual 2023 and Schedule of Rates, Analysis of rates & Specifications with amendments up to the last date of submission of bids & other documents and Rules referred to in the conditions of contract and all other contents in the bid document for the work. I understand that all these documents are to be read in conjunction with each other with no precedence and in case of any difference in any clause as appearing in any of these documents, the strictest clause will apply.

I/We hereby bid for the execution of the work specified for the University within the time specified in schedule F, and in accordance in all respect and with such materials as are provided for, by, and in respect of accordance with such conditions so far as mentioned in the Bid document.

I/We agree to keep the bid open for 120 days from the date of opening of technical bid and not to make any modification in its terms and conditions.

A copy of payment of the e-Tender Form Fee and Earnest Money Deposit (EMD) is scanned and uploaded. If I/We, fail to furnish the prescribed performance security within prescribed period, I/We agree that the University or their successors, in office shall without prejudice to any other right or remedy, be at liberty to take action as per declaration given by us. Further, if I/We fail to commence work as specified, I/We agree that University or their successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely, the said performance security shall be a guarantee to execute all the works referred to in the bid documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12.2 and 12.3 (as modified) of the bid form.

Further, I/We agree that in case of action taken by University against us as per declaration given, I/We shall be debarred for participation in the re-bidding process of the work.

I/we undertake and confirm that eligible similar work(s) has/have not been got executed through another agency on back-to-back basis. Further that, if such a violation comes to the notice of university, then I/we shall be debarred for bidding in University in future tenders for 01 year. Also, if such a violation comes to the notice of university before date of start of work, the university shall be free to forfeit the entire amount of Performance Guarantee.

I/We hereby declare that I/We shall treat the bid documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated: ..... \*\* .....

Signature of Bidder\*\*

Witness: \*\*

Address: \*\*

Postal Address \*\*

Occupation: \*\*

[\*\* to be filled by Bidder]

(To be Signed by Authorised signatory of Nalanda University)

The above bid (as modified by you as provided in the letters mentioned hereunder) is accepted by me for on behalf of the Nalanda University for a sum of Rs.....\*.....

(Rupees.....\*.....  
.....  
.....).

The letters referred to below shall form part of this contract agreement: -

(a)

(b)

(c)

For & on behalf of University

Signature .....

Dated:.....  
.....

Designation

Authorised Signatory  
Nalanda University

# PROFORMA OF SCHEDULES: A TO F

## SCHEDULE A

### SCHEDULE OF REQUIREMENTS

Tender Inviting Authority: Registrar, Nalanda University						
Name of Work: SLOPE PROTECTION WORKS BY LAYING OF GEOTEXTILE FILTER AND BOULDER STONE PITCHING AT NALANDA UNIVERSITY LIBRARY PREMISES AT NALANDA UNIVERSITY MAIN CAMPUS AT RAJGIR, NALANDA, BIHAR – 803116						
Bidder Name & Address:						
Contract No:						
<u>PRICE SCHEDULE</u>						
Item No.	Item Description	SOR Code	Unit	Quantity	Estimated Rate (INR)	Total Amount with Taxes (INR)
1	2	3	4	5	6	7
1.	Providing & laying geotextile filler between pitching and embankment slopes on which pitching is to be laid to prevent escape of the embankment material through the voids of the stone pitching as well as t allow free movement of water without creating any uplift head on the pitching.	RCD Bihar SOR 2025 Item No. 16.01	SQM	2794	162.80	4,54,863.20
2.	Providing & laying pitching on slopes laid dry in front of toe as per drawings and technical specifications A. With stone /boulder of size not less than 200 mm	RCD Bihar SOR 2025 Item No. 16.04 (A)	CUM	674.47	1,647.20	11,10,989.62

3.	Cost of haulage through surfaced road from Domchach, Koderma, Jharkhand nursery to NU Campus at Rajgir	RCD SOR 2025 1.04 (i) A	Tonne.km	107915.46	12.20	13,16,568.56
<b>Total estimated amount in Figures =</b>						<b>28,82,421.38</b>
Quoted Percentage Rate above/below or at par in Figures =						
Quoted Amount in Figures =						
Quoted Amount in Words =						
***Note:- Quoted price shall be inclusive of all taxes including GST, levies, royalty & seigniorage charges whatever applicable as per law of the land.						

## **SCHEDULE B**

Schedule of materials to be issued to the Contractor

Sr. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
	NIL	NIL	NIL	NIL

## **SCHEDULE C**

Tools and plants to be made available to the Contractor:

Sr. No.	Description of item	Quantity
1	2	3
	NIL	NIL

## **SCHEDULE D**

Extra schedule for specific requirements / documents for the work if any.

The bidder may give additional information other than sought for in the preceding paragraph.

## **SCHEDULE E**

References to General Conditions of Contract:

Name of Work	SLOPE PROTECTION WORKS BY LAYING OF GEOTEXTILE FILTER AND BOULDER STONE PITCHING AT NALANDA UNIVERSITY LIBRARY PREMISES AT NALANDA UNIVERSITY MAIN CAMPUS AT RAJGIR, NALANDA, BIHAR – 803116
Estimated cost of work	Rs. 28.82 Lakhs
Earnest Money Deposit	Rs. 57,640/- only

Performance Guarantee	5% (Five percent) of tendered value shall be returned after 60 days of successful completion of work
Security Deposit	2.5% (Two Point Five Percent) of tendered value

### **SCHEDULE F (GENERAL RULES & DIRECTIONS)**

- 1 Authority Inviting Tender. - Registrar, Nalanda University, Rajgir, Bihar.
- 2 Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses “Deviation, Extra items and pricing & Deviation submitted items and pricing”. Please refer below.
- 3 Definitions:

Sr. No	DESCRIPTION	DETAILS
1	Owner	Nalanda University, Rajgir, Bihar
2	Tender Accepting Authority	Registrar, Nalanda University, Rajgir, Bihar.
3	Engineer In charge	Authorized Engineer Officer appointed by Nalanda University Rajgir, Bihar
4	Rates considered for Estimate	Road Construction Department, Bihar Govt. SOR 2025

#### **CLAUSE 1 (CPWD GCC): Performance Guarantee**

1	Time allowed for submission of Performance Security (Time and Progress)	3 (three) working days after issuance of Work Order
2	Maximum allowable extension beyond the period provided in 1 above	7 (seven) Days with late fee @ 0.25% per day of the Performance Guarantee amount.

#### **CLAUSE 2 and CLAUSE 2 A (CPWD GCC): Compensation for Delay and Incentive for early completion**

1	Authority for fixing compensation under its clause	Vice Chancellor, Nalanda University, Rajgir, Bihar
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2	Incentive for early completion	Applicable as per detailed Clause.
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**CLAUSE 5 (CPWD GCC): Time & Extension for delay**

1	Total Time allowed for execution of work	30 days
2	Authority to decide Extension of Time	The Vice-Chancellor, Nalanda University, Rajgir, Bihar
3	Rescheduling of Milestones	Engineer In Charge, and the Rescheduling is to be approved by Vice Chancellor, Nalanda University (NU)

**Milestone(s) as per table given below:-**

Though the overall time of completion is 30 days the contractor shall complete all works strictly conforming to the time limit specified. Any delay in achieving specified timeline given in the Milestones (as mentioned below) of these building shall invite withholding of payments as indicated against each and every Milestone:

Milestone Schedule:			
Sr. No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non-achievement of milestone
Milestone of Works (Time duration 30 days)			
1	Supply of all materials pertaining to the works	10 days	1.25% of the tendered amount
2	Completion of work in all respect and handover to the University	20 days	1.25% of the tendered amount

**CLAUSE 17 (CPWD GCC): Contractor Liable for Damages/ Defects during defects liability period**

1	Defects Liability Period	12 months from completion of the work as a whole. Security Deposit amount will be released after successful completion of Defect Liability Period.
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CLAUSE 25 (CPWD GCC): Settlement of Disputes

1	Settlement of Disputes	Committee appointed by NU
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(To be executed by and between the Owner and the successful bidder)

### **FORMAT OF AGREEMENT**

This agreement is executed at \_\_\_\_\_ (place of execution) on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

BETWEEN

\_\_\_\_\_

\_\_\_\_\_, which expression shall mean and include its successors and assigns (name and address of the Owner) (“Owner”) of the FIRST PART

AND

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_,

(Name and address of the successful bidder) (“Contractor”) of the SECOND PART

The Owner and the Contractor shall be individually referred to as the “Party” and collectively referred to as the “Parties”

Whereas the Owner is desirous of SLOPE PROTECTION WORKS BY LAYING OF GEOTEXTILE FILTER AND BOULDER STONE PITCHING AT NALANDA UNIVERSITY LIBRARY PREMISES AT NALANDA UNIVERSITY MAIN CAMPUS AT RAJGIR, NALANDA, BIHAR – 803116 and had invited tenders by issuing Notice Inviting Tender (“Tender”) for selection of a contractor for constructing the said campus. The Contractor has submitted its tender pursuant to the issuing of the Tender by the Owner. WHEREAS the details of the work proposed to be executed by the Contractor is more particularly specified in the Tender for SLOPE PROTECTION WORKS BY LAYING OF GEOTEXTILE FILTER AND BOULDER STONE PITCHING AT NALANDA UNIVERSITY LIBRARY PREMISES AT NALANDA UNIVERSITY MAIN CAMPUS AT

RAJGIR, NALANDA, BIHAR – 803116, ( name and identification number of Contract) ( “Works”) and the Owner has accepted the Tender submitted by the Contractor for the execution and completion of the Works and the remedying of any defects therein, at a contract price \_\_\_\_\_ of Rs.....  
.....

(Rupees \_\_\_\_\_(in words))

WHEREAS the Owner is now desirous of laying down the terms and conditions governing the execution of the Works and has therefore, requested the Contractor to execute the present Agreement.

NOW THIS AGREEMENT WITNESSETH as under:

1. In this Agreement, words and expressions shall carry the same meanings as are ascribed to them in the Conditions of Contract as more particularly mentioned in the Tender. The Parties agree that the Tender shall form an integral part of this Agreement and shall be read and construed accordingly.
2. In consideration of the payments to be made by the Owner to the Contractor as the consideration for execution of the Works (“Consideration”), the Contractor hereby covenants with the Owner to execute and complete the Works and remedy the defects therein in conformity in all aspects with the provisions of the Tender and this Agreement.
3. The Owner hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and in the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Tender and this Agreement at the times and in the manner prescribed under the Tender.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement: i) Letter of Acceptance; ii) Notice to proceed with the Works; iii) Contractor’s Tender; iv) Contract Data; v) Conditions of Contract (including Special Conditions of Contract) if any; vi) Technical Specifications; vii) Drawings; viii) Bill of

Quantities; and ix) Any other documents listed in the Contract Data as forming part of the Contract.

In witness whereof the Parties have caused this Agreement to be executed on the day and year first written above.

The Common Seal of

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\_\_\_\_\_ was hereunto affixed in the presence of:

Signed \_\_\_\_\_ Sealed \_\_\_\_\_ and \_\_\_\_\_ Delivered \_\_\_\_\_ by \_\_\_\_\_ the \_\_\_\_\_ said \_\_\_\_\_

Binding	Signature	of	Owner
			Binding

Signature \_\_\_\_\_ of \_\_\_\_\_ Contractor \_\_\_\_\_  
 \_\_\_\_\_ in the presence of \_\_\_\_\_

## **GENERAL CONDITIONS OF CONTRACT**

(As per relevant clauses of CPWD GCC 2023 read along with correction slips issued time to time as on date. The CPWD GCC 2023 shall be an integral part of the Agreement)

## TECHNICAL SPECIFICATIONS

### AS PER MORTH TECHNICAL SPECIFICATIONS

#### BOQ Item No. 1

#### 702 GEOTEXTILES FOR DRAINAGE, SEPARATION AND EROSION CONTROL

##### 702.1 Scope

The work covers the use of geotextile materials for drainage, separation/filtration and erosion control works including supplying and laying as per design, drawing and these specifications. For drainage/filtration function, geotextile shall be able to convey water across the plane of the fabric throughout its design life. For separation function the geotextile shall prevent intermixing of two layers of dissimilar materials, throughout the design life of the structure. The geotextile as a filter material below erosion control measures like stone pitching or stone filled mattresses over the slopes, shall allow the water to flow out and at the same time prevent the loss of soil under the protective measures.

##### 702.2 Material

##### 702.2.1 Strength Requirement

The minimum strength of geotextile in terms of MARV under different installation conditions shall be as specified in Table 700-1.

Installation Condition	Type	Strength Property Requirement (MARV)							
		Grab Strength in Newton (N) as per ASTM D 4632/ IS:13162 Part 5		Tear Strength in Newton (N) as per ASTM D 4533/ IS:14293		Strength in Newton (N) as per IS:13162 Part 4		Strength in Newton (N) as per ASTM D 3786/ IS:1966	
		Elongation at Failure							
		<50%	>50%	<50%	>50%	<50%	>50%	<50%	>50%
Moderate Installation condition	Type II	1100	700	400	250	400	250	2700	1300

Note: 1) All numeric values in the above table represent Minimum Average Roll Value (MARV) in weaker principal direction. The MARV is derived statistically as the average value minus two standard deviations. 2) When the geotextiles are joined together by field sewing, the seam strength shall be at least 60 percent of the material's tensile strength. All

field seams shall be sewn with thread as strong as the material in the fabric. 3) The puncture strength if determined in accordance with ASTM D 6241, the minimum requirement in terms of “Newton (N)” shall be as follows:

Installation condition	Strength property requirement (MARV)	
	Puncture Strength in Newton (N) as per ASTM D 6241	
	Elongation at Failure	
	< 50 %	> 50 %
Moderate Installation condition	2250	1400

**702.2.2 Ultraviolet Stability Requirements** The material shall satisfy the ultraviolet stability requirements specified in Table: 700-2.

**Table 700-2 : Requirements for Ultra Violet Stability**

Sl. No.	Properties of Fabric	Requirements (Retained Strength)
1)	Grab Strength	Not less than 70% after 500 hours of exposure
2)	Tear Strength	
3)	Puncture Strength	
4)	Burst Strength	

The type of geotextile shall be decided by the Engineer depending upon the installation conditions.

#### **702.2.3.2 Separation**

The geotextile for different subgrade soil conditions shall conform to the requirements given in Tables 700-4 and 700-5.

**Table 700-4 : Geotextile Requirements for Separation (Subgrades Soaked CBR >3)**

Sl. No.	Geotextile Property	Requirement
1)	Permittivity as per ASTM D 4491	0.02 sec-1 (per sec)
2)	Maximum Apparent Opening Size as per ASTM D 4751	0.60 mm

**Table 700-5 : Geotextile Requirements for Separation (Subgrades Soaked CBR ≤3)**

Sl. No.	Geotextile Property	Requirement
1)	Permittivity as per ASTM D 4491	0.05 sec-1 (per sec)
2)	Maximum Apparent Opening Size as per ASTM D 4751	0.43 mm



### 702.2.3.3 Erosion control

The geotextile for erosion control shall conform to requirements given in Table 700-6.

**Table 700-6 : geotextile requirements for erosion control**

<b>in-situ soil passing 0.075 mm sieve (%)</b>	<b>permeability, per sec astM d 4491</b>	<b>Maximum apparent opening size, mm astM d 4751</b>
<15	0.7	0.43
15 to 50	0.2	0.25
>50	0.1	0.22

## 702.3 Construction

### 702.3.1 General

Exposure of geotextiles to the elements between lay down and cover shall be a maximum of 14 days to minimize damage potential.

In trenches, after placing the backfill material, the geotextile shall be folded over the top of the filter material to produce a minimum overlap of 300 mm for trenches greater than 300 mm wide. In trenches less than 300 mm wide, the overlap shall be equal to the width of the trench. The geotextile shall then be covered with the subsequent course.

Overlap at roll ends and at adjacent sheets shall be a minimum of 450 mm, except when placed under water. In such instances, the overlap shall be a minimum of 1 m. Where seams are required in the longitudinal trench direction, they shall be joined by either sewing or overlapping. All seams and overlaps shall be subject to the approval of the Engineer.

Care shall be taken during installation so as to avoid any damage to the geotextile. Damages, if any, during installation shall be repaired by placing a geotextile patch over the damaged area and extending it 1m beyond the perimeter of the tear or damage, or as approved by the Engineer.

### 702.3.2 Subsurface drainage

Construction shall conform to Clause 309.3 of the specifications.

### 702.3.3 Separation

After preparation of subgrade as per the specifications along the road alignment, geotextile shall be rolled out as indicated in the drawings. The entire roll shall be placed on the subgrade and unrolled as smoothly as possible. Wrinkles and folds in the fabric shall be removed by stretching as required.

Adjacent rolls of geotextiles shall be overlapped, sewn, or joined as required. For curves, the geotextile shall be folded or cut and overlapped in the direction of construction. Folds in the geotextile shall be stapled or pinned approximately 0.6 m centre-to-centre. Before covering, the condition of the geotextile shall be checked for damage (i.e., holes, nips, tears, etc) by the Engineer.

Before placing the first lift of granular sub-base on the geotextile, a trial stretch of 100 m shall be laid as per roll width to establish a proper construction methodology of placing and compacting the sub-base in a manner that no damages are caused to the separation layer of geotextile.

#### **702.3.4 Filter layer under stone pitching for erosion control**

The geotextile shall be placed in intimate contact of soil ensuring slight tension, to avoid wrinkles or folds and shall be anchored on a properly shaped surface as indicated in drawings and approved by the Engineer. It shall be ensured that the placement of the overlying material be placed in such a manner that it does not tear/puncture the geotextile. Anchoring of the terminal ends of the geotextile shall be accomplished as per drawings through the use of key trenches or aprons at the crest and toe of slope.

The geotextile shall be placed with the machine direction parallel to the direction of water flow. Adjacent geotextile sheets shall be joined by either sewing or overlapping.

The pitching shall begin at the toe and proceed up the slope. Big sized boulders shall not be allowed to roll down the slope.

Any geotextile damaged shall be either replaced or repaired with a patch, as directed by the Engineer, at the cost of the contractor.

#### **702.4 Measurement for payment**

The measurement for payment for sub surface drains shall be as per Clause 309.

The geotextile for separation and for filter layer shall be measured in square metres as per planned dimensions with no allowance for overlapping at transverse and longitudinal joints. Excavation, back fill, bedding and cover material shall be measured separately as per relevant clauses of the Contract.

## **BOQ Item No. 2**

### **Pitching / Revetment of Slopes**

#### **Description**

The work shall consist of covering the river side slopes of guide bunds, training works and road embankments with stone, boulders, cement concrete blocks or stones in wire crates over a layer of granular material which will act as a filter. The rear slopes, not subjected to direct attack of the river, may be protected by 300 mm - 600 mm thick cover of clayey or silty earth and turfing.

#### **Pitching and Filter Medium**

##### **Pitching**

The pitching shall be provided with stones of thickness and shape as indicated on the drawings.

The stones shall be obtained from quarries and shall be sound, hard, durable and fairly regular in shape. Round boulders shall not be allowed. Stones showing marked deterioration by water or weather shall not be accepted.

The size and weight of stone shall conform to Clause 5.3.5.1 of IRC: 89. No stone, shall weigh less than 40 kg. The size of spalls shall be a minimum of 25 mm and shall be suitable to fill the voids in the pitching.

Where the stones of required size are not economically available, cement concrete blocks in minimum M15 grade concrete conforming to Section 1700 of these Specifications or stones in wire crates, shall be used.

Geosynthetics, if used in pitching, shall conform to Section 700 of these Specifications.

##### **Construction operations**

Before laying the pitching, the side of banks shall be trimmed to the required slope and profiles by means of lines and pegs at intervals of 3 m. Depressions shall be filled and thoroughly compacted.

The filter granular material shall be laid over the prepared base and compacted to the thickness specified on the drawings by means of suitable equipment.

The lowest course of pitching shall be started from the toe wall and built up in courses upwards. The toe wall shall be in dry rubble masonry (un-coursed) conforming to Clause 1405.3, of these Specifications in case of dry rubble pitching. It shall be in nominal mix cement concrete (M 15) conforming to Clause 1704.3, of these Specifications in case of cement concrete block pitching.

The stone pitching shall commence in a trench below the toe of the slope. Stone shall be placed by derrick or by hand to the required length, thickness and depth conforming to the drawings. Stones shall be set normal to the slope, and placed so that the largest dimension is perpendicular to the face of the slope, unless such dimension is greater than the specified thickness of pitching.

The largest stones shall be placed in the bottom courses and for use as headers for subsequent courses.

In hand placed pitching, the stone of flat stratified nature should be placed with the principal bedding plane normal to the slope. The pattern of laying shall be such that the joints are broken and voids are minimum by packing with spalls, wherever necessary, and the top surface is as smooth as possible.

When full depth of pitching can be formed with a single stone, the stones shall be laid breaking joints and all interstices between adjacent stones shall be filled in with spalls of the proper size wedged in with hammers to ensure tight packing.

When two or more layers of stones must be laid to obtain the design thickness of pitching, dry masonry shall be used and stones shall be well bonded. To ensure regular and orderly disposition of the full intended quantity of stone as shown, template cross walls in dry masonry shall be built about a metre wide and to the full height of the specified thickness at suitable intervals all along the length and width of the pitching. Within these walls the stones shall be hand packed as specified.

### **Toe Protection**

A toe wall shall be provided at the junction of slope pitching and launching apron of a guide bund so as to prevent the slope pitching from sliding down. The toe wall shall be in dry rubble masonry (uncoursed) conforming to Section 1400 of these Specifications or in cement concrete of M15 grade. The pitching/revetment shall be of stones in wire crates or cement concrete blocks in M15 grade. For protection of ties of bank slopes terminating either in short aprons at bed levels or anchored in flooring/rocky bed, the provision of Clause 8.2.2 of IRC:89 may be complied with.