

**Tender Document for Purchase of High Resolution
Imaging Spectrometer**

Tender Document for Purchase of High Resolution Imaging Spectrometer

TENDER NOTICE NO. : **NUV/CP/17-18/01**

DUE DATE : **1st September 2017 3.00 pm**

DATE AND TIME OF OPENING : **1st September 2017 4.00 pm**

NAME AND ADDRESS : Registrar
Navrachana University
Vasna Bhayli Road
Vadodara 391410

TELEPHONE NUMBER : **+91 265 3020146**

E-MAIL ADDRESS : **registrar@nuv.ac.in**

Tender Document for purchase of High Resolution Imaging Spectrometer

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SECTION – I

1. Invitation for Bids

- 1.1 Navrachana University (NUV) proposes to procure a Spectrometer and is looking for vendors who have experience in supplying installation, commissioning of the above with necessary cabling and other installation items.
 - 1.2 Bidders are advised to study all technical and commercial aspects, instructions, terms and specifications carefully in the tender document. Failure to furnish all information required in the tender document or submission of a bid not substantially responsive to the tender document in every respect will be at the bidder's risk and may result in the rejection of the bid.
 - 1.3 Sealed offers prepared in accordance with the procedure enumerated in Clause 1 of Section II should be submitted to the Registrar – Navrachana University Vadodara
 - 1.4 This tender document is not transferable.
 - 1.5 The categories of items and quantity indicated in the tender Document are tentative. The Registrar NUV reserves the right to increase or decrease the quantity or delete some or all items depending on the needs of NUV without assigning any reasons.
 - 1.7 The bidders should indicate the price including all taxes and other charges. No additional information will be entertained after due date. The Registrar may reject tenders if they do not carry such information separately and specifically quantitatively.
 - 1.8 The bids should indicate that the rates are CIF Ahmedabad or FOR Vadodara
 - 1.9 The tender should be submitted in two cover system i.e., a and b. There should be proper indication of the contents on each envelope as indicated in Clause 1.1 on Section II.
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- 1.10 The tender should clearly indicate the delivery period and validity period of the tender.
 - 1.11 The tender should clearly indicate the availability of service and maintenance facilities at Vadodara for items quoted.
 - 1.12 The bidders are required to quote for each item separately in terms of basic price and all other charges. Prices can be quoted in Indian currency or US Dollars or both.

- 1.13 The Tender must be submitted along with the copies of:
- i) Registration details of Manufacturer
 - ii) Authority from the manufacturer if quoted for by sales representatives
- 1.14 The Registrar, reserves the right to reject any or all tenders without assigning any reason whatsoever.
- 1.15 The tenders will be opened on the date and the time indicated in the presence of bidders if any present on the occasion. If the date of opening is declared to be a holiday, the tenders will be opened on the next working day.
- 1.16 No advance payment or payment against proforma invoice will be made. Payment will be made after receipt, inspection, installation and testing. If quoted in US dollars from a non-Indian supplier payment terms should be clearly spelt out
- 1.17 All damaged or unapproved goods shall be returned at the risk and cost of the bidder and the incidental expenditure thereupon shall be recovered from the concerned party.
- 1.18 The offer/bid shall be unconditional.
- 1.19 Packing list must be put in all packages.
- 1.20 On acceptance of tender, the date of delivery should be strictly adhered to otherwise, the Registrar NUV, reserves the right not to accept the delivery in full or in part. The Registrar specifically and in case the order is not executed within the stipulated period, NUV will be at liberty to make purchase through other sources.
- 1.21 Payment of bill will be made through the RTGS on completion of the works. The decision to purchase each item is taken independent of other items quoted by the firm. It is not binding on NUV to purchase all the items quoted by any particular firm.
- 1.22 Schedule for Invitation to Tender
- a) Address at which the tender is to be submitted:

The Registrar
Navrachana University
Vasna Bhayli Road,
Vadodara 391410
Email: registrar@nuv.ac.in
Phone: +91 265 3020146

b) Latest time and date for receipt of Tender: **1st September 2017 3.00 pm**

c) Place, Time and Date of opening of Technical bids:

Place : **University Campus Vadodara**

Time & Date : **1st September 2017 at 4.00 p.m.**

d) Date till which the tender is valid:

180 days from the opening of technical bid.

Installation of equipment will be done within 4 weeks after the allotment of tender.

e) NUV shall not be responsible for any postal delay about non-receipt/non-delivery of the documents.

Registrar - NUV

SECTION – II

1. Procedure for submission of bids

- 1.1 It is proposed to have a two cover system for this tender
 - a) Technical Bid (in duplicate) in one cover.
 - b) Commercial bid (in duplicate) in one cover.
- 1.2 Each copy of technical bid of the tender should be covered in a separate sealed cover super scribing the wordings “Technical Bid”. Each copy should be marked as “Original Copy” and “First Copy”. Both should be put in a single sealed cover super scribing the wordings “Technical Bid”
- 1.3 Each copy of the commercial bid of the tender should be covered in a separate sealed cover super scribing the wordings “Commercial Bid”. Each copy should be marked as “Original Copy” and “First Copy”. Both should be put in a single sealed cover super scribing the wordings “Commercial Bid”. Commercial Bid should only indicate prices (item-wise).
- 1.4 All the two documents viz. Technical Bid Cover and Commercial Bid Cover prepared as above are to be kept in a single sealed cover super scribed with “Tender”.
- 1.5 The cover thus prepared should also indicate clearly the name and address of the bidder to enable the bid to be returned unopened in case it is declared “late”.

2 Cost of Tender

The bidder shall bear all costs associated with the preparation and submission of its bid, including the cost of presentation for the purpose of clarification of the bid, if so desired by the client and client will in no case be responsible or liable for those costs, regardless of the conduct, or outcome of the Tendering Process.

3 Clarification of Tender Document

A prospective bidder requiring any clarification of the tender document may notify NUV in writing at the NUV's mailing address indicated in Clause 1.26 of section I. NUV may respond in writing to any request for clarification of the tender document, received not later than 03 working days prior to the last date for the receipt of the bids prescribed by the client. In case of any further clarification on any of the points in the tender, if required, a meeting can be held. However, NUV reserves the right not to respond to any query or provide any clarification, in its sole discretion, and nothing in this clause shall be construed, taken or read as compelling or requiring NUV to respond to any query or to provide any clarification.

4 Amendment of Tender Document

- 4.1 At any time prior to the last date for receipt of bids, the client may for any reason, whether at its own initiative or in response to a clarification request by the prospective bidder, modify the tender document by an amendment.
- 4.2 The amendment will be notified in writing or E-mail to all prospective Tenders who have received the tender document and will be binding on them.
- 4.3 In order to afford prospective bidders reasonable time in which to take the amendment into the account in preparing their bids, the Client may, at its discretion, extend the last date for the receipt of the Bids.

5. Language of Bids

The bids prepared by the bidder and all correspondence and documents relating to the bids exchanged by the bidder and the client, shall be written in English language, provided that any printed literature furnished by the bidder may be written in another so as long accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

6. Document Comprising the Bids

- 6.1 The Bids prepared by the bidders shall comprise of the following components:-
 - a) **Technical bid Format** shall consist of the following:-
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- i) Technical bid furnished as per the format for technical (**Technical bid Format (Annexure-I of Section III)**)
- ii) Technical literature for each product/service, covering full technical specifications.
- iii) Certificate of Incorporation/ Registration
- iv) PAN No. of the company/Firm, TIN No (As applicable): self attested copies to be attached
- v) Proof of GST Registration Number (Self attested copies to be attached).
- vi) Proof of authorization of dealership/Partnership issued by the respective OEM.
- vii) Product profile of the company.
- viii) Audited balance Sheet and Profit and loss account for the last 3 years.

b) **Commercial bid** consisting of the following:-

- i) Bid prices duly filled signed and complete as per the format (**Financial bid Format (Annexure-II of Section III)**) Maximum discount as could be offered should be mentioned.
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SECTION - III

Annexure I

Technical Bid Format

S. No	Item	Technical Specification	Quantity
1	High Resolution Imaging Spectrometer	<p><u>Spectrometer</u> Single stage monochromator Focal length- 450-550 mm Type- Czerny Turner or equivalent arrangement. The system should be mirror based system to avoid chromatic aberrations. Aperture- f/6.4 - f/6.5 Gratings- 300 and 1800 l/mm for spectral range 200-1100 nm, mounted on a turret OR 300, 600 and 1800 l/mm for spectral range 200-1100 nm, mounted on a turret Resolution- 1.5-4.5 cm^{-1} (measured with 1800 l/mm grating at 500 nm wavelength with 100 micron entrance slit width and 26 micron pixel size CCD) Ports- One computer controlled entrance slit with slit width variable in 5-10 micron steps at input port and one exit port for CCD (provision for one extra input port and one extra output port preferable) Computer interface- USB or RS 232</p> <p><u>CCD Detector</u> Thermoelectrically cooled CCD in air upto -75 to -80 $^{\circ}\text{C}$ Spectral Range of detector- 200-1050 nm Array size- 1024 x 256 Pixel size- 24-26 micron x 24-26 micron Image area- 26-27 mm x 6-7 mm, 100% Fill Factor Quantum efficiency- > 35-50 % at 500 nm Dark current- ≤ 0.005 $e^{-}/\text{pixel}/\text{sec}$ Register well depth- 1000 ke^{-} - 1100 ke^{-} Minimum read noise- 3-6 e^{-} for scan rates 15-40 kHz Linearity- $\geq 98.5\%$ Compatibility- CCD should be fully compatible with the suggested monochromator Interface- USB should include USB cable and power supply</p> <p><u>Control software</u> Latest software that can control both CCD and spectrometer. Software should be able to stitch spectra seamlessly collected from adjacent windows. Raman calibration: Single calibration for all spectral windows preferable rather than piecewise calibration for extended spectral range. Software should be able to do data acquisition, cosmic ray removal, data manipulation, data processing, import and export.</p> <p><u>Warranty</u> At least one year from the date of installation</p>	One

Technical Terms and Conditions

- 1) The person signing the Tender shall be deemed that he has the authority to sign the Tender on behalf of the said company. Letter of authority to be attached.
- 2) Proof of Income Tax, Sales Tax, Service Tax and VAT Registration Number (As applicable; Self attested copies to be attached.
- 3) The Product profile of the company along with last 3 years turnover, not less than Rs 1 Crore per year. Audited balance Sheet and Profit and loss account for the last 3 years should be submitted.
- 4) The Vendor shall be Original Equipment Manufacturer (OEM) or the authorized Partners/ Dealer. Proof of the above shall be submitted in the form authorization of dealership/Partnership issued by the respective OEM.
- 5) The vendor should have a local presence fully functional service/support centre in and around Vadodara with minimum qualified support staff to provide quality service support. Undertaking mentioning office address and the number of Employees with qualification to be enclosed.
- 6) The vendor should have successfully supplied and installed Hardware amounting to Rs 25 lakhs to at least one customer who is an University in last 2 Years. The company has to provide Proof of satisfactory completion and the Purchase Order.
- 7) The company/firm should be in existence and should have been in operation for a period of 2 years.
- 8) PAN No. of the company/Firm, TIN No (As applicable): self attested copies to be attached.
- 9) The bidder should not have any of their contracts terminated or blacklisted in the last three years by any University

SECTION - III

Annexure II

Financial Bid Format

S. No	Item	Technical Configuration	Make/Brand Name. (Mandatory)	Quantity	Unit Price	Total Price
1						
2						

TOTAL AMT

Total Amount in words (Rupees _____)

This offer/quote/bid is unconditional.

(Name of the bidder)

Financial Terms and conditions

1. The rates should be quoted in figures as well as in words, on the Financial Bid Format duly signed and stamped by the authorized person.
2. Unit rates mentioned above are inclusive of all taxes, FOR destination and installation charges and all other charges. No charges of whatsoever nature would be paid additional to the the cost mentioned above.
3. Registrar NUV reserves the right to alter the quantity of the IT equipment.

SECTION – IV

TERMS AND CONDITIONS

1. The company should adhere with all seriousness to the time schedule provided by the NUV.
 2. The products asked for should be of very high standard and of reputed with authorized service provider in and around Vadodara.
 3. All the rates will be CIF Ahmedabad if quoted in US Dollars and FOR Vadodara if quoted in INR.
 4. The Company shall be liable to indemnify NUV in all respects and meet and pay off the litigation expenses and all the liabilities including damages, sums etc. arising out of an as a consequence of the negligence, deficiencies, mistakes, lapses, delays etc. in the execution of the various jobs and the services provided.
 5. The company should ensure quick back up response in case of equipment failure which should be replaced if needed within 24 hours of the distress call.
 6. There is no provision for making advance payment to the Company as per University rules. Payment terms should be clearly depicted in the bid.
 7. Send a copy of the profile of the company along with the customer's satisfaction report.
 8. Offers should contain the details of warranty period and the cost of AMC beyond the warranty period for all items.
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