

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

CENTRAL RESEARCH FACILITY

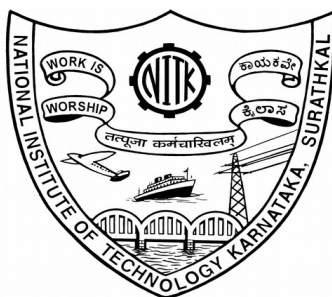
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474000.

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Website: <http://www.nitk.ac.in>



TENDER DOCUMENT

Tender Notification No: NITK/CRF/LC-MS/04

Date: **08/04/2019**

Name of Goods	: HR-LCMS system
Estimated amount put to Tender	: INR 1,80,00,000/-
EMD Amount (2% of estimated value)	: INR 3,60,000/-
Time for Supply of item	: 06 to 08 weeks after release of Purchase order
Last Date and Time for submission of tender	: 08/05/2019 before 3:00 PM
Address for Submission of Tender	: Keyur Raval, Department of Chemical Engineering, NITK, Surathkal, P.O. Srinivasnagar - 575025, Mangalore, Karnataka. Email: keyurnraval@nitk.edu.in Phone: +91-824-2473637
Purchase officer Name and Contact (Related to purchase inquiry)	: Pritam Bansod Ramesh, Assistant Registrar (Purchase) Phone: +91-824-2473993 Email: pritambansod@nitk.ac.in
Date of opening of technical bid	: 14/05/2019 4:00 PM (If Possible)



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Tender Notification.No : NITK/CRF/LC-MS/04

Date: 08/04/2019

NOTICE INVITING TENDER (NIT)

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an autonomous institute under Ministry of HRD Govt of India imparting Technical Education and engaged in Research Activities. It is proposed to procure equipment for Central Research Facility.

Sealed Tenders are invited for the following items in **two cover system** (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed manufacturers or it's authorized dealers so as to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened on the same day if possible in the presence of bidders or their authorized agents who may choose to be present. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

1. Name of Goods: HR –LCMS system

2. Estimated Cost: INR 1,80,00,000/-

3. E M D : INR 3,60,000
(2% of estimated value)

4. Time for completion of Supply after Placing Purchase Order: 06 to 08 weeks

5. Last date and time for submission of Tender : 08/05/2019 before 3:00 PM

6. Tender to be submitted at the following address: Keyur Raval,
Department of Chemical Engineering,
NITK, Surathkal, P.O. Srinivasnagar – 575025, Mangalore,
Karnataka.

7. Place, Date and Time of opening of technical bid: 14/05/2019 4:00 PM (If Possible)

Note: Institute shall not be responsible for any postal delay about non-receipt / non delivery of the bids or due to the the wrong addressee.

Sd/-
Chairman, CRF

SECTION 1: INSTRUCTION TO BIDDER (ITB)

1. **The bid should be submitted in two cover system (sealed)-Technical Bid and Financial Bid**
2. **Technical Bid: Documents related to the Technical Bid** should be submitted in sealed envelope and duly super-scribed as “**Envelope No. 1 – Technical Bid**”. Full name and address of the bidder should be mentioned on the envelope and should be addressed to The Director, NITK, Surathkal

3. **The Technical Bid should contain the following documents:**
 - a) Compliance statement of specifications as per **Annexure-‘A’**.
 - b) License certificate for manufacture /supply of the item & Factory license
 - c) Agreements / Purchase Orders / Completion certificates if any, for similar items to other Universities, Institutes, and Government Department/Undertakings/Public sectors the details of such supplies for the preceding three years should be given together with the prices eventually or finally paid with contact details of persons as per **Annexure –‘B’**.
 - d) List of Owner/partners of the firm and their contact numbers (Bidder Information)
 - e) Declaration of abandoned or suspended any awarded service & Blacklist Certificate. **Annexure ‘C’**
 - f) Integrity Pact (for procurements above Rs1.0 Crore (Rs10.0 Million). **Annexure ‘D’**
 - g) Copy of GST certificate & PAN No.
 - h) Catalog of the Product with detailed product specifications.
 - i) Undertaking that the successful BIDDER agrees to give a Performance Security amounting to 10% of the purchase order value in favor of “The Director, NITK Surathkal”.
 - j) The copy of the Balance sheet, Profit & Loss A/c., Trade or Manufacturing A/c for the last 3 years should be enclosed and the turnover must be 30% of the estimated cost.
 - k) Duly filled in checklist should be submitted along with the Technical Bid.
 - l) Contract form given in Section 5 need to be submitted.
 - m) **EMD must be** in the form of Bank Guarantee (**ANNEXURE –G**) / Fixed Deposit Receipt / Demand Draft. It will be valid for **180 days** from the date of opening of the tender. The firm registered with MSME/NSIC will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their tender. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of the concerned item.
 - i) The EMD will be returned to the BIDDERS(s) whose offer is not accepted by NITK within one month from the date of the placing of the purchase order(s) on the selected BIDDER(s).In case of the BIDDER(s) whose offer is accepted the EMD will be returned on

submission of Performance Security in the form of Bank Guarantee (BG). However, if the return of EMD is delayed for any reason, no interest/penalty shall be payable to the BIDDERS.

- ii) The successful BIDDER, on the award of contract/order, must send the contract/order acceptance in writing, within 15 days of award of contract/order failing which the EMD will be forfeited.
- iii) The EMD shall be forfeited in case a successful BIDDER fails to furnish the Performance Security.

4. Financial bid : The bidders should submit their financial bid as per the format given in Section 4 of the Notice Inviting Tender in the sealed envelope. This envelope should be duly superscribed as “**Envelope No. 2 – Financial bid**”. Full name and address of the bidder should also be mentioned on the envelope and should be addressed to The Director, NITK, Surathkal

After evaluation of technical bid, the technically successful bidder shall be intimated to witness the opening of their financial bid along with date, time and venue through e-mail. Financial bid of only those bidders' will be opened who are declared “Technically Successful or Technically Responsive”.

Note that both the sealed envelopes, No. 1 and 2, should be submitted in a single sealed envelope duly superscribed with the following details.

(i) Tender Notification Number (ii) “Tender for the supply of.....” (iii) Not to Open before (Date and Time)

Mention “Kind Attention: Contact Person’s Name and Phone Number”, and submit at the address given in the Notice Inviting Tender.

5. Bid Evaluation:

On the due date, the Technical bids will be opened and referred to the Purchase Committee which is duly constituted by the Director, NITK. The committee will go through the technical aspects of the tender and recommend shortlisted firms. The recommendation of the committee is final and binding on all the parties. The committee may visit the manufacturing site to assess the capabilities to manufacture the tendered items as per the specifications. In case of any remarks /default noted, the EMD will be forfeited even if pre-qualified.

6. Quoting of Price(s):

- a. Indian bidder should quote firm prices in Indian rupee only unless otherwise specified elsewhere in this tender. Prices quoted in any other currency shall not be considered.

- b. In case of Global Tender, Price quoted should be in Indian Rupees /US Dollar / Euro / Pound Sterling / Yen or in a currency under Reserve Bank of India's notified basket of currencies and must include delivery at NITK, Surathkal including loading/unloading.
- c. For the purpose of price evaluation, if the bid is submitted in Foreign Currency, then the bid price shall be converted to Indian Rupees as per the RBI Exchange Rate prevailing on the day of opening of the price bid.

7. The Bid will be accepted only from the manufacturers (OEM) or its authorized supplier.

8. The incomplete or conditional tender will be rejected.

9. The Institute reserves the right to cancel at any time after acceptance of the tender with a notice. The Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which might have derived from the execution of the supply.

10. Performance Security The successful bidder shall deposit a performance security of 10% of the quoted price in the form of Bank Guarantee (**ANNEXURE -G**) / Demand Draft / Fixed Deposit Receipt of any scheduled bank drawn in favour of the **Director, NITK Surathkal, Mangalore** payable at Mangalore. In case the bidder fails to deposit the said performance Security within the stipulated period, including the extended period if any, the Earnest Money deposited by the bidder shall be forfeited automatically without any notice. Please note the following points:

- a) Successful bidder should submit performance Security as prescribed above to the Purchase Section, NITK Surathkal, on or before 30 days from the date of issue of order acknowledgment.
- b) Performance Security shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful bidder and the purchaser under the terms and conditions of acceptance to tender.
- c) The successful bidder is entirely responsible for the due performance of the contract in all respects according to the terms and conditions of the tender.
- d) The validity of the Performance Security must cover the warranty period plus two months.
- e) In case of imported goods, the Indian agent has to furnish Performance Bank Guarantee in Indian Rupees only from Scheduled Bank.

11. The validity of bids: The rate quoted should be valid for a minimum of 180 days. No claim for escalation of the rate will be considered after opening the Tender.

12. Warranty / Guarantee & On-site skill support: On-site comprehensive warranty will be effective from the date of successful installation and commissioning. The OEMs/Authorized Distributors and Dealers must attach a certificate of sales and service facilities, escalation support for on-call service or station engineer etc.

13. Imports: In case, equipment is to be imported, the Indian agent should furnish authorization certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.

14. Clarification of Tender Document: A prospective bidder requiring any clarification of the Tender Document may communicate to the contact person given in this notice inviting tender. The contact person will respond to any request for clarification for the Tender Document received not later than 5 working days prior to the last date for the receipt of bids.

15. Amendment of Tender document: At any time prior to the last date for receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Tender document by an amendment. Further, Institute may at its own discretion extend the last date for the receipt of bids.

16. The bids shall be written in English language and any information printed in another language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.

17. The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Purchase Committee is final in all matters of tender and purchase.

18. Cancellation of Tender:

Notwithstanding anything specified in this tender document, NITK Surathkal in its sole discretion, unconditionally and without having to assign any reasons, reserves the rights:

- a) To accept OR reject lowest tender or any other tender or all the tenders.
- b) To accept any tender in full or in part.
- c) To reject the tender offer not conforming to the terms of the tender.
- d) To give purchase preference to Public Sector undertakings when applicable as per Govt. Policy/ Guidelines.

19. Delivery Period: The Delivery Period/Time shall be deemed to be the essence of the Contract and delivery must be completed not later than such date(s). If the Supplier does not perform its obligations within the Delivery Period/Date mentioned in the Contract, the same would constitute the breach of the Contract and the Institute shall have the right to cancel or withdraw the Contract for the unsupplied portion after the expiry of the original or extended delivery date or period stipulated in the Contract. Such cancellation of contract on account of non-performance by the Supplier would entitle the Buyer to forfeit the EMD / Performance Security besides other actions such as debarment from the Institute as per GFR 2017.

20. Liquidated Damages: Timely delivery is the essence of contract and hence if the Supplier fails to deliver Goods within the original/extended delivery period(s) specified in the contract, the Institute will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, **@ 1% per week or part of the week of delayed period** as pre-estimated damages not exceeding 5% of the contract value without any controversy/dispute of any sort whatsoever.

21. Terms of Payment:

- a. Payment within 30 days from the date of delivery and & Acceptance Certificate of concerned Department / Section / Purchase Section.
- b. Payment shall be made by Cheque or such other mode / electronic fund transfer offered by the Bank. NITK, Surathkal will not pay advance payment to party. Any request for Advance payment will be rejected summarily. In case if it is necessary, the advance payment will be paid strictly against Bank Guarantee only.
- c. Payment will be made by Standard Payment terms and conditions of NITK, Surathkal as per tender document only. Any request for a change in payment terms and conditions will not be accepted.
- d. If the above conditions are not acceptable then tender will be rejected.

22. Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bid as to the nature of the installation site, the means of access to the site and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. Submission of a bid 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 installation to be done and local conditions and other factors having a bearing on the execution of the bid.

23. If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the bidder.
24. The rate quoted by the bidder **shall be firm throughout the contract** period and there shall be no revision of the rates for any reasons whatsoever. It should be clearly understood that any claim for changes will not be entertained in any case once the bids are opened.
25. **One bid per bidder:** Each bidder shall submit only one bid either by himself or by representing a firm.
26. **Cost of bid:** The bidder shall bear all costs associated with the preparation and submission of his bid. The Institute in no case shall be responsible or liable for those costs.
27. The bidder shall not make or cause for any alteration, erasure or obliteration to the text of the tender document.
28. The Institute will declare a bidder ineligible, either indefinitely or for a specified period of time, at the sole discretion of the Institute, for the award of contract/ participating in any other tender, if at any time the Institute determines that he has furnished false information/ engaged in corrupt or fraudulent practices.
29. If any overpayment is detected as a result of the post-payment audit, it shall be recovered by the Institute from the Supplier out of his Performance Security.
30. **Determination of successful bidder:** The technically qualified bidder whose offer is evaluated as the **lowest total bid** shall be the successful bidder subject to its meeting the statutory requirements.
31. **Price variation:** The rate quoted by the bidder shall be firm throughout the contract period. No price variation clause is applicable to this contract.
32. **CANVASSING:**
- a) Canvassing in connection with tenders is strictly prohibited and the Tenders submitted by the Tenderers who resort to canvassing shall be liable to rejection.
 - b) Subject to the provisions concerning clarification of Bids, no Bidder shall contact the purchase committee on any matter relating to its bid from the time of the bid opening up to the time that the contract is awarded.
 - c) Any effort by the Bidder or Bidder's representative however described to influence the purchase committee in any way concerning scrutiny, consideration, evaluation of the Bid(s) or decision concerning award of contract shall entail rejection of Bid and action against the bidder as deemed fit.
 - d) The purchase committee-will deal with the Bidder on a Principal basis, without involvement in any manner in India or abroad of any agent or consultant or associate or other person howsoever described.

33. LATE BIDS:

- a) Any bid received on or before specified time and date (including any extension(s) thereof) will be accepted and late submission of the bids will be declared as "Late" and shall be rejected.
- b) Unopened "Late Bid" shall be returned to the bidder in due course.

34. Legal Matter: All Domestic and International disputes are subject to Mangalore Jurisdiction only.

SECTION 2: CONDITIONS OF CONTRACT.

1. The rate quoted should be FOR NITK, Surathkal for Indian supplier.
2. In case of import CIF rates should be quoted. All components of expenditure to arrive by air at Bangalore need to be explicitly specified. If shipped by sea, nearest sea port is Mangalore/Chennai. In both cases, the item should be landed at NITK Surathkal and this responsibility is with the bidder.
3. The institute is eligible for customs duty / GST exemption.
4. The rate quoted should be on per unit basis. Taxes and other charges should be quoted separately, considering exemptions, if any.
5. Rate quoted should be inclusive of Testing, Commissioning and Installation of Equipment and Training.
6. **Payment:** No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
In case of Imports, the payment will be made through LC. Performance security needs to be submitted at the time of LC commitment.
7. Guarantee and Warranty period should be specified for the complete period conforming to the section 3 of this tender document.
8. Period requirement for the supply and installation of Equipment should be specified conforming to the Section 3 of this tender document.

SECTION 3: SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

[To be filled up by the Department / Center of NITK, Surathkal]

Item(s) Name to be Procured : HR-LCMS system

Type (Equipment / Software / Furniture / Others) : Equipment

Brief Specifications of the Item(s)
(Attach Additional Sheet if necessary) : Please find in Annexure-H

Quantity : 01

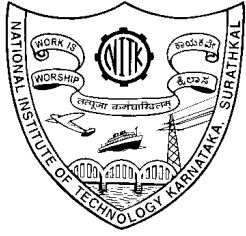
Any other details / requirement : Please find in Annexure - H

Warranty Period (in months)
: : 3 years of comprehensive warranty + 2 years of AMC

Delivery Schedule expected
after release of Purchase order
(in Weeks) : within 06 to 08 weeks

EMD
(2% of estimated value) : INR 3,60,000

Performance Security to be given
by Successful Bidder after release of
Purchase Order (in Rupees) : 10% of the purchase order value



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SECTION 4 - PRICE BID (for indigenous Supplies)

[To be used by the bidder for submission of the bid]

Reference Number:

Date:

S. No.	Description of the Item and Specification	Qty. in Units	Unit Price (Rs.)	Discount %	Excise/Customs Duty %	GST (%)	Other charges if any (please specify details)	Total Price (Rs.)

1. Delivery Mode: Delivery at NITK Surathkal, at the site only.

Total Bid Price in the above column should be inclusive of all taxes and levies transport, loading, unloading etc.

Delivery Period:..... days.

Validity Date: Minimum 180 days from the date of submission of quotation/ tender.

2. Payment Term: Payment within 30 days from the date submission of bill Acceptance Certificate to concerned Dept./ Sect.

3. a) AMC Charges after warranty period :

b) Comprehensive AMC charges after warranty period :

Price Bids will be compared considering 3 a) or b). NITK reserves the right to consider 3 a) or 3 b) for price comparison.

PAN No. :

GST Registration No. :

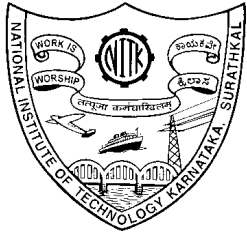
Seal and Signature:.....

Name & Business Address:.....

Note: Price Bid should be submitted in given format only. For additional information/extra items above format may be typed and used.

Place:

Date:



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SECTION 4 - PRICE BID (for Imported Supplies)

[To be used by the bidder for submission of the bid]

Reference Number:

Date:

S. No.	Description of Items & Specifications	HSN/SAC Code	Quantity in Units	IGST %	Price basis (CIF)	Total Bid Price
	Installation and Commissioning Charges (if any, quote in INR)					
	Agency Commission (if any quote in %)					
	Other Charges (please specify details)					
Grand Total						

HSN Code: Harmonised System of Nomenclature Code no. and # SAC Code: Service Accounting Code no.

1. Delivery Period:..... days.
2. Validity Date: Minimum 180 days from the date of submission of quotation/ tender.
3. a) AMC Charges after warranty period :
b) Comprehensive AMC charges after warranty period:
Price Bids will be compared considering 3 a) or b). NITK reserves the right to consider 3 a) or 3 b) for price comparison.

1. Validity of the bid: 180 days from the date of submission of the quotation or tender.
2. Mode of Shipment: _____
3. Port of Shipment: _____

Place:

Date:

SECTION 5: CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide to deliver by the delivery schedule mentioned in section 3 tender document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder: _____

Name and Designation: _____

Business Address : _____

Place:
Date:

Seal of the Bidder's Firm

Compliance Statement of Specifications

S.No.	Name of specification/Part/Accessories of tender enquiry	Specifications of the quoted Model / Item	Compliance Whether YES or NO	Deviations if any to be indicated in unambiguous terms

Signature and Seal of the Bidder

Previous Supply Orders Executed

Name of the firm: _____

Order placed by [Full address of the purchaser]	Order No. and Date	Order Value	Specified Delivery Date	Actual Delivery Date	Remarks indicating reasons for late delivery, if any and justification for the price difference of their supply order and those quoted to us	Has the equipment been installed satisfactorily?	Contact person along with telephone, mobile number, fax, and E-mail address

Signature and Seal of the Bidder

FORMAT OF DECLARATION
(To be submitted on Letterhead)

I / we Mr./Ms. _____, S/o/ of Mr. _____ aged about _____ years, resident of _____, working as -----(designation) for ----- (name and address of the bidding agency).

I solemnly affirm and state as under:

1. That I am working as ----- /proprietor of the ----- (name of the firm) and authorized to sign this declaration.
2. That the firm M/s---- (complete address of the firm) has not abandoned or suspended any contract work of any organization/ department so far/ during the previous five financial years.
3. That the firm M/s---- (complete address of the firm) has not been blacklisted/ debarred for competing in tenders by any organization/ department so far/ during the previous five financial years.
4. I solemnly confirm that the facts stated above are true and nothing has been concealed.

Seal and Signature of Bidder

INTEGRITY PACT AGREEMENT

(To be signed by the bidder/ same signatory authorized to sign the relevant contact)

This Integrity Agreement is made at Surathkal on this day of 20

BETWEEN

National Institute of Technology Karnataka, Surathkal, an Institute of National Importance (under NIT Act -2007) represented through the Registrar, NITK, Surathkal (hereinafter referred as the '**Buyer**', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.....
(Name and Address of the Individual/firm/Company)

Through (Hereinafter referred to as the "Bidder/Contractor" and which expression shall unless repugnant to the meaning or context hereof include its succession and permitted assigns)

Preamble

WHEREAS **NITK Surathkal** has floated the Tender (Tender No----- dated 00-00-2018) (Hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for "**Furniture**"

[Hereinafter referred to as the "**Contract**").

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "**Integrity Pact**" or "**Pact**"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this witness as under:

Article 1: Commitment of NITK Surathkal

ii. **NITK Surathkal** commits to take all measures necessary to prevent corruption and to observe the following principles:

Seal and Signature of the bidder

Registrar, for NITK Surathkal

- (a) No employee of NITK Surathkal, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- (b) NITK Surathkal will, during the Tender process, treat all Bidder(s) with equity and reason. NITK Surathkal will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
- (c) NITK Surathkal shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

iii. If NITK Surathkal obtains information on the conduct of any of its employee which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, NITK Surathkal will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/ Contractor(s)

- 1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adheres to the highest ethical standers, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and through the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commit himself to take measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contact execution:
 - a. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contractor.
 - b. The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into an undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - c. The Bidder(s)/Contractor(s) will not commit any offense under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as

d. part of the business relationship, regarding plans, technical proposals and business details,
Seal and Signature of the bidder Registrar, for NITK Surathkal

including information contained or transmitted electronically.

e. The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and address of agents/representatives in India if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and address of foreign agents/representatives if any. Either the Indian agent on behalf of the foreign principals or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

f. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

iv. The Bidder(s)/Contractor(s) will not instigate third persons to commit offenses outlined above or be an accessory to such offenses.

v. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a wilful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**

vi. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, there or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to NITK Surathkal under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidders/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

1) If the Bidder(s)/Contractor(s), either before awarded or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 day notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determinate the Contract - if already executed, or exclude the Bidders/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined

by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by NITK Surathkal.**

Seal and Signature of the bidder

Registrar, for NITK Surathkal

- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If NITK Surathkal has disqualified the Bidder(s) from the tender process prior to the award of the Contract or terminate/determinate the Contract or has accrued the right to terminate/determinate the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to NITK Surathkal, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Security of the Bidders/Contractor.
- 3) **Criminal Liability:** If NITK Surathkal obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, NITK Surathkal will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country conforming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes an incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.
- 3) If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article: 5 Equal Treatment of all Bidder/Contractors/Subcontractors

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidders/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
- 2) The Principal/Owner will enter into pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6: Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12

Seal and Signature of the bidder Registrar, for NITK Surathkal
months after the completion of work under the contractor or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this pacts as specified above, under it is discharged/determined by the Competent Authority of NITK, Surathkal.

Article 7: Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is **Mangaluru**, the Headquarters of NITK Surathkal, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
- 5) It is agreed on term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action was taken by the Owner/Principal in accordance with this **Integrity Agreement / Pact or interpretation thereof shall not be subject to arbitration.**

Article 8: LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract/ or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contract documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of NITK Surathkal)

.....
(For and on behalf of bidder/ contractor)

WITNESSES:

- 1.
(Signature, name, and address)

2.

(Signature, name, and address)

Place: Surathkal.

Dated:

Annexure - E

Format for Bank Account details of the bidder

Name of the account holder (bidder)	
Complete address	
Contact number	
Email address	

Bank Account details:

Bank name	
Branch name	
MICR number	
Account type	
Account Number	
Please re-type Account number again	
IFSC code of the Bank	

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the Institute responsible for this.

I have read the option invitation letter and agree to discharge responsibility expected of me as a participant under the scheme.

Seal and signature of the bidder.

Certification from the banker:

Certified that the particulars furnished above are correct as per our records.

Seal and signature of the authorized officer of the bank.

FORMAT FOR PERFORMANCE GUARANTEE BOND

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of One Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALORE OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALORE OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALORE. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED.)

To,
Registrar,
National Institute of Technology Karnataka,
Srinivasnagar P.O., Surathkal
Mangalore – 575025

LETTER OF GUARANTEE

WHEREAS National Institute of Technology Karnataka (Buyer) have invited Tenders vide Tender No..... Dt. for purchase of AND WHEREAS the said tender document requires that any eligible successful tenderer (seller) wishing to supply the equipment / machinery, etc. in response thereto shall establish an irrevocable Performance Guarantee Bond in favour of **“Registrar, National Institute of Technology Karnataka, Surathkal”** in the form of Bank Guarantee for Rs **(10% (ten percent) of the purchase value)** and valid till **one year or upto warranty period whichever is later** from the date of issue of Performance Guarantee Bond may be submitted within 30 (Thirty) days from the date of Order Acknowledgement as a successful bidder.

NOW THIS BANK HEREBY GUARANTEES that in the event of the said tenderer (seller) failing to abide by any of the conditions referred in tender document / purchase order / performance of the equipment / machinery, etc. this Bank shall pay to National Institute of Technology Karnataka, Surathkal on demand and without protest or demur Rs (Rupees.....).

This Bank further agrees that the decision of National Institute of Technology Karnataka, Surathkal (Buyer) as to whether the said Tenderer (Seller) has committed a breach of any of the conditions referred in tender document/ purchase order shall be final and binding.

We, (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the Tenderer (Seller) and/ or National Institute of Technology Karnataka, Surathkal (Buyer).

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed Rs. (Indian Rupees only).
2. This Bank Guarantee shall be valid up to(date) and
3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if National Institute of Technology Karnataka (NITK) Surathkal serve upon us a written claim or demand on or before(date).

This Bank further agrees that the claims if any, against this Bank Guarantee, shall be enforceable at our branch office at situated at (Address of local branch).

Yours truly,
Signature and seal of the guarantor:
Name of Bank & Address:
Date:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. Bank is requested to take appropriate necessary action on or after expiry of bond period.

FORMAT FOR EARNEST MONEY DEPOSIT / BID BOND

ANNEXURE -G

(To be typed on Non-judicial stamp paper of value Indian Rupees One Hundred)

(TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALORE OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALORE OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALORE. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED)

LETTER OF GUARANTEE

To

Registrar,
National Institute of Technology Karnataka,
Srinivasnagar P.O., Surathkal
Mangalore – 575025

IN ACCORDANCE WITH YOUR TENDER for supply of, M/s.
(hereinafter called the "Bidder") having its Registered Office at....., wish to participate in the said bid for the supply.....as an irrevocable Bank Guarantee against Earnest Money Deposit for an amount of Rs. (Rupees.....) valid up to.....**(180 days from the date of issue of Bank Guarantee)**, is required to be submitted by the bidder as a condition precedent for participating in the said bid, which amount is liable to be forfeited by the Purchaser on (1) the withdrawal or revision of the offer by the bidder within the validity period, (2) Non acceptance of the Letter of Indent / Purchase order by the Bidder when issued within the validity period, (3) failure to execute the contract as per contractual terms and condition with in the contractual delivery period and (4) on the happening of any contingencies mentioned in the bid documents.

During the validity of this Bank Guarantee :

We,(Bank name) having the registered Office at.....guarantee and undertake to pay immediately on first demand by NITK Surathkal, an amount of Rs..... (Rupees.) without any reservation, protest, demur and recourse. Any such demand made by the NITK Surathkal shall be conclusive and recourse. Any such demand made by the purchaser shall be binding on the Bank irrespective of any dispute or difference raised by the Bidder.

The Guarantee shall be irrevocable and shall remain valid up to.....(180 days from the date of issue of Bank Guarantee) If any further extension is required, the same shall be extended to such required period on receiving instruction from the Bidder, on whose behalf the is Guarantee is issued.

Notwithstanding anything contained herein :

- * Our liability under this Bank Guarantee shall not exceed Rs..... (Rupees.....) .
- * This Bank Guarantee shall be valid up to.....(date).
- * We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee Only and only if you serve upon us a written claim or before.....(date).

This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at situated at.....(Address of local branch).

Yours truly,

Signature and seal of the
guarantor: Name of Bank:
Address:
Date:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. Bank is requested to take appropriate necessary action on or after expiry of bond period

Detailed Technical and other Specifications

Technical Specification: Quadrupole Time of Flight High Resolution Mass Spectrometer HRMS system with facility to connect UPLC system using lesser than 2 µm particle size columns for high sensitivity for both qualitative and quantitative analysis.

(Both the UPLC and quadrupole time-of-flight (QToF) Mass spectrometer (MS) must be manufactured, supplied and installed by a single vendor to provide a seamless integration between the LC and MS. The single vendor shall be responsible for the main instrument and all the accessories supplied with the system.)

<ul style="list-style-type: none"> • Ionization Source 	<ul style="list-style-type: none"> • The instrument must be equipped with combined/dual electrospray ionization (ESI) and atmospheric pressure chemical ionization (APCI) as standard capable of handling flow rates up to 2 ml/min. Sample introduction must be possible either directly or combined with suitable liquid chromatographic system automatically through integrated fluidics or via external syringe pump. • The combined/dual ionization (ESI & APCI) source must operate along with reference spray to facilitate automated accurate mass measurements within single LCMS experiment. The instrument should be capable of internal reference mass correction for MS and MS/MS operation without losing sensitivity. To facilitate automated accurate mass measurements within single LCMS experiment, the ionization source must incorporate a primary. ESI probe and a secondary ESI probe to introduce a reference mass and allow indexed sampling of the two sprayers to avoid interference between analyte and reference spectra. The ionization must be done both in a positive & negative mode. • The ion source must be of dual orthogonal design. The nebulized sprayer must be positioned orthogonally to the sampling orifice and be positioned off-axis for maximum source longevity and analyser protection against "dirty" samples. The cleaning of the source should be done without venting the system and facility to Vacuum Interlock should be provided. • In addition to the above, the instrument must be provided with an additional ionization source, capable of ionizing ESI, APCI and APPI amenable compounds or equivalent or better. • In addition to the above the instrument must be provided with an additional atmospheric solid analysis probe ion source. • In addition to the above the instrument must be provided with an additional ion source for co-introduction of analyte and lock exact mass compound directly into ion source.
<ul style="list-style-type: none"> • Ion Optics: 	<ul style="list-style-type: none"> • Travelling Wave based ion optics must be available, which should maximize sensitivity whilst maintaining system robustness. Neutral molecules and gas load must be actively exhausted while the ion beam is actively extracted into a

	parallel off axis Travel Wave device for enhanced transmission and to enable focussing into the analyser.
<ul style="list-style-type: none"> Desolvation Temperature 	<ul style="list-style-type: none"> The Desolvation Temperature must be more than or equal to 600 °C.
<ul style="list-style-type: none"> Quadrupole 	<ul style="list-style-type: none"> Instrument should have Quadrupole for isolation followed by collision cell and appropriate assembly required for high resolution mass data. An isolation valve/suitable device must be available to allow the source elements to be removed and cleaned without breaking instrument vacuum, maximizing instrument uptime. The routine maintenance should be tool free and user friendly. The instrument should be equipped with a segmented quadrupole collision cell for superior ion transmission characteristics leading to enhanced resolution and sensitivity. Specific design must be shared or submitted which must show the same. Precursor ion selection should be done using quadrupole. Mass Range: The instrument must have a high mass filter (quadrupole) for efficient transmission of ions having mass range at least ≤ 30 to $\geq 32,000$ m/z in resolving mode & ≤ 30 to $\geq 1,00,000$ m/z in non-resolving mode or better. A segmented Quadrupole collision cell for fragmentation purposes should be available.
<ul style="list-style-type: none"> Time of Flight (TOF): 	<ul style="list-style-type: none"> Analyzer: Geometry with quadrupole as Q1 followed by TOF with a collision cell in between should be present. The mass range of the Time of Flight analyser must be ≤ 30 to $\geq 1,00,000$ m/z. The TOF mass analyser must have linearity of response of 4 orders of magnitude whilst maintaining specified resolution for quantification purposes.
<ul style="list-style-type: none"> Resolution: 	<ul style="list-style-type: none"> The resolution of the TOF mass analyser must be more than 40,000 FWHM or better between m/z 950-960 and more than 35,000 FWHM or better of around 200 m/z. <i>(A verifiable Proof of Statement must be provided)</i> Data acquisition rate must be 30 Spectra per second or better in MS and MS/MS mode. <i>(A verifiable Proof of Statement must be provided)</i>
<ul style="list-style-type: none"> Mass Accuracy & Sensitivity: 	<ul style="list-style-type: none"> The mass accuracy of the system should be a minimum of less than 0.5 ppm, with both internal & external calibration standards for both MS & MS/MS modes on 10 consecutive repeat measurements on column analysis. The instrument must be sensitive enough for detecting sub ppb/femtomole levels of compounds. The sensitivity achieved in MS/MS modes must be stated. The signal to noise (S/N) ratios or counts per second must be specified along with the

	<p>full analysis conditions.</p> <ul style="list-style-type: none"> • <u>Sensitivity</u>: Full MS/MS mode \leq 10 femtogram on column, at S/N ratio \geq 600:1 [Mention the standard sample(s) used]. (<i>A verifiable Proof of statement must be provided for S/N ratio</i>).
<ul style="list-style-type: none"> • Scan modes & Capability: 	<ul style="list-style-type: none"> • The instrument must be able to operate in MS Scanning, MS/MS product Ion Scanning, Simultaneous MS & MS/MS and MRM scanning modes. The software should be capable of data acquisitions whereby high and low collision energy data is acquired simultaneously to provide fragmentation data for all detectable molecular ions and TOF-MRM.
<ul style="list-style-type: none"> • Vacuum System: 	<ul style="list-style-type: none"> • A high efficiency vacuum system with turbo molecular pumps followed by rotary mechanical pumps must be provided.
<ul style="list-style-type: none"> • Softwares : 	<ul style="list-style-type: none"> • The software should have capabilities to perform the following functions: Automated mass calibration, resolution, sensitivity check should be performed by software. Software tools for addressing Screening, Component Identification & Structural Elucidation workflows. The data processing. software must incorporate an elemental composition calculator as standard. Included into the calculator must be algorithms for isotope pattern modelling that allow data interpretation of actual isotope patterns. A goodness of fit from actual to theoretical isotopes must be included. The ability to filter out incorrect elemental composition calculations through the use of intelligent spectral interpretation algorithms must be incorporated. Software should give elemental formula with mass accuracy or ppm error and isotopic fit value (Including halogen filters by matching theoretical and actual spectral pattern. • The model offered by the vendor should have capability to demonstrate the above mention parameter like fast LC, high resolution, high mass accuracy in one single run.
<ul style="list-style-type: none"> • Computer & Workstation: 	<p>A Workstation should be provided for controlling the mass spectrometer, the LC and the auto-sampler with data acquisition & for data processing and analysis with following specification:</p> <ul style="list-style-type: none"> • Memory: 64 GB (8 X 8GB) DDR4 2133 Ghz or better • Hard disk: 10 TB or better • CPU: Dual-Processor E5-2637 v3 Processor (3,5GHz 4c) or better; Operating system: Windows 10 Professional 64 - bit or better. • 21-inch LCD/LED monitor or better. • 1 Laser jet all-in-one printer (auto duplex printing/scanning/copying), connection: to PC and through network and WiFi. Resolution of 1200 X 1200 dpi or equivalent or better. Printing speed: 27 ppm or better. • All hardware and software including drivers, monitor, device interfaces cards/network must be preinstalled and preconfigured on the computer provided.
<ul style="list-style-type: none"> • Nitrogen Generator. 	<p>A noise free Nitrogen Gas Generator with in-built compressor along with other Gas cylinder should be provided to operate the system. The Maximum gas output pressure must be 100 psi. The Maximum outlet Flow Rate must be 32 L/min.</p>

UPLC system: A liquid chromatography system as an inlet to the Mass spectrometer with following specifications:

The chromatography system should be capable of being operated both as a HPLC & Fast UPLC by interchanging the column chemistries.

• Pump:	• Quaternary operating pump(s) with an operating pressure of minimum 15000 psi or better.
• Flow Rate:	• The flow rate range should be 0.010 to 2.000 mL/min, in 0.001 mL increments.
• Degasser:	• The instrument should have in-built Vacuum degasser facility with minimum four lines and should be efficient to remove dissolved air online.
• System Delay Volume:	• System Delay Volume should be less than 400µl (<400µl), independent of system backpressure & with standard mixer for higher sensitivity.
• Autosampler:	<ul style="list-style-type: none"> • Autosampler should be available with a capacity of approx. 80 vials or more of 1.5 ml or better capacity & sufficient no. of spare sample vials must be provided. The autosampler should have cooling facility up to 10 degrees Celsius or better and heating up to 40 degrees Celsius or better. • Programmable injection volume from 0.5 µl to 20 µl or better must be available. • The carryover of the autosampler must be less than 0.005% or better. Compressibility Compensation should be Automatic & Continuous.
• Column Oven:	• Column Temperature Control should be from 20 deg. C to 90 deg. C or better.
• Columns:	<ul style="list-style-type: none"> • Sub 2 microns (1.7µm / 1.6µm) C18, C8 & HILIC UHPLC/UPLC Columns for the analysis should be quoted with Smaller Dimensions with a pH level of 2 - 12. Chiral Column should also be Quoted for Chiral compounds separation. Polar columns and other columns for polar compounds separation should also be quoted. If specific columns are required to be used with fluorescent detectors then they should also be quoted. • Equivalent Guard pre-column should be provided for protection of main columns. • Column usage history tracking technology must be provided so that all the information should be available related to the usage of the columns & archives all of them. • Price of one spare set of each column should be included as optional item.

<ul style="list-style-type: none"> • Detectors 	<ul style="list-style-type: none"> • The instrument should be equipped with photodiode array detector with following specifications: <ul style="list-style-type: none"> • Wavelength range: 190 to 800 nm should be covered by single deuterium lamp or better. • The sampling/data rate and filter time constants should be independent to maximize resolution and sensitivity. • Must have standard analytical flow cell with a 10 mm path length and a volume of 500 nL or less for optimal peak dispersion of UPLC separations. • It must optimize lamp performance automatically and without user intervention & should compensate for lamp degradation over time without the need to frequently replace the lamp. • Optical Bandwidth: 1.2nm or less. • Wavelength accuracy: Better than or equal to ± 1nm. • Sampling rate: 80 points per second or higher. • It must have a linear range that does not deviate by more than 5% up to 2.0AU. • Noise: $\pm 3\mu$ AU & Drift of less than or equal to 1×10^{-3} AU/hour/$^{\circ}$C or better. • The photodiode array detector must be able to collect up to 8 independent data channels simultaneously. <p>The instrument must be equipped with a fluorescence detector with following specifications,</p> <ul style="list-style-type: none"> • Wavelength range: 200 to 890 nm (Excitation) and 210 to 900 nm (Emission), Bandwidth: 20 nm or better, Wavelength accuracy: ± 3 nm or better, wavelength repeatability: ± 0.25 nm or better, Sensitivity: S/N ratio of > 1000 (Raman spectrum of H₂O) or better, Measurement range: 0.001 to 10,000 EU or better, Data acquisition: 80 Hz or better. Leak Sensors, full diagnostic data captured through console software. Light source: Hg/Xe Lamp (1000 hours of warranty), Flow cell design: Axially illuminated. Cell Volume: less than 2 μL. Pressure limit: 500 psi, Wetted materials: Stainless steel, fused silica, FEP, PEEK. <p><i>A verifiable Proof of Statement must be provided for photo diode array detector and fluorescent detector.</i></p>
<ul style="list-style-type: none"> • 	<p>Auxiliary Requirements</p>
<ul style="list-style-type: none"> • UPS 	<ul style="list-style-type: none"> • A suitable online UPS of 15 KVA capacity or better with at least 60 mins back up for the complete HR LC-MS system should be provided. The cost of UPS should be provided separately in the financial bid and should not be included in the main equipment cost. • A suitable 2 ton inverter split A.C. must be supplied with the equipment. The cost of the A.C. should be provided separately in the financial bid. and should not be included in the main equipment cost.
<ul style="list-style-type: none"> • Vibration free table 	<ul style="list-style-type: none"> • A suitable vibration free table must be provided to accommodate the UPLC-qToF system. The cost of the table should be provided separately in the financial bid and should not be included in the main equipment cost.
<ul style="list-style-type: none"> • Warranty: 	<ul style="list-style-type: none"> • Comprehensive 3 years minimum from the day of functional installation. Please clearly mention the items, if any, which

	<p>are not included in, the comprehensive warranty. The system must be attended within 72 hours of reporting. If instrument malfunctions during the warranty period then the warranty must be extended in proportion to the time the instrument was idle due to malfunction.</p> <ul style="list-style-type: none"> • Additional 2 years of Annual Maintenance Cost (AMC) must be quoted separately. The AMC payment will be made after the warranty period.
<ul style="list-style-type: none"> • Others: 	<ul style="list-style-type: none"> • The lowest bidder will be decided after adding AMC to the main equipment cost. • The system must be attended within 72 hours of reporting. • Necessary consumables and calibration standards for operating the instrument should be provided during the warranty period. • The other gases along with regulators should also be supplied along with the system. • Training and Installation: Installation must be done at user's site with no extra costs involved. A five day (at least) general entry-level training-cum workshop and advanced-level training-cum-workshop must be arranged at the user's site by the vendor on experimental and data analysis part, with no extra cost involved. • The Supplier is required to provide training to the designated Purchaser's technical and end user personnel to enable them to effectively operate the equipment immediately within one week after completion of the installation of the equipment at the institute's premises. The minimum duration of the training program would be 5 days. However, the purchaser can decide the specific division of this training duration and date within warranty period if needed. After the first training, the supplier should also train the personnel of the purchaser as and when required throughout the life-time of the equipment. • The supplier is required to do the installation and demonstration of the equipment within 15 Days of the arrival of materials at the NITK site of installation; otherwise the penalty clause will be the same as per the supply of materials. • The Supplier is required to provide training to the designated Purchasers' technical and end user personnel to enable them to effectively operate the total equipment immediately after the installation of the equipment. • In case of any miss happening/damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his/her own risk. Supplier will settle his/her claim with the insurance company as per his/her convenience. The NITK will not be liable any type of losses in any form. • Proof of Performance documents must be provided with the Compliance sheet. The vendors must submit all the Technical Data Sheet as per their claim in original & authenticated. The

	<p>specification sheets must also be available in the public portal.</p> <ul style="list-style-type: none"> Standards/reagents required for successful installation must be supplied. Only one best quality item (according to our specification) should be quoted against each item. On no account should different qualities e.g. A, B, & C of items be quoted. Those items that have been quoted as per different qualities (In contravention to the specifications) will not be considered at all and will be summarily rejected. Based on our specifications, image/drawing of item to be provided and Model Name/No. (If applicable) and Brand must be clearly mentioned in the quotation, without which quotation will not be considered. Original Manufacturer/firm must have manufacturing facility certified by ISO 9001:2008 for quoted item. Certificates to be attached with technical bid, without which, their quotation will not be considered. User list: Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items inquired have been supplied must be provided. The bidder must attach three Purchase Order copies for Supply & Installation of above similar equipment or equivalent or better equipment during the last 02 financial years in Central Government/Central Autonomous Body/Central PSU/State Government or Autonomous/Reputed Private Research Centres in Nos. and Value). If user list as well as purchase orders (as mentioned above) are not provided then the purchase committee will cancel the technical bid of the bidder.
<ul style="list-style-type: none"> Optional Items 	<ul style="list-style-type: none"> Sub 2 microns (1.7µm / 1.6µm) C18, C8 & HILIC UHPLC/UPLC Columns for the analysis should be quoted with Smaller Dimensions with a pH level of 2 -12. Chiral Column should also be Quoted for Chiral compounds separation. Columns for separation of polar compounds should be quoted. An equivalent Guard pre-column should also be quoted. Price of one spare set of each column and guard column should be included as optional item. Bidder selected for supply of Quadrupole Time of Flight High Resolution Mass Spectrometer HRMS system with facility to connect Fast Liquid Chromatography will only be considered for supply of optional items.

Annexure-‘I’

Checklist for BIDDERS

BIDDERS to indicate whether the following are enclosed/mentioned by striking out the non- relevant option and the relevant technical bid documents should be in order.

Sl. No.	Documents	Content	Document Attached
1	Technical Bid	Self-Attested copy of GST & PAN Number	(Yes /No) Pg. No.
2		Licence certificate for manufacture /supply of the item & Factory license. Registration with EPF and ESI	(Yes /No) Pg. No.
3		Undertaking that the successful BIDDER agrees to give a 10% Performance Security.	(Yes /No) Pg. No.
4		Catalogue of the Product with detailed product specifications.	(Yes /No) Pg. No.
5		Copy of Balance Sheet	(Yes /No) Pg. No.
6		List of Owner/partners of the firm and their contact numbers (Bidder Information)	(Yes /No) Pg. No.
7		Contract form given in section 5	(Yes /No) Pg. No.
8		Format of compliance statement of specification as per Annexure-'A'	(Yes /No) Pg. No.
9		Previous Supply Order as per Annexure-'B'	(Yes /No) Pg. No.
10		Declaration of abandoned or suspended any awarded service & Blacklist Certificate. Annexure 'C'	(Yes /No) Pg. No.
11		Integrity Pact. Annexure 'D'	(Yes /No) Pg. No.
12		Bank details of the bidder. Annexure 'E'	(Yes /No) Pg. No.
13		EARNEST MONEY DEPOSIT Annexure -G In case of exemption from submission of EMD, proof of registration with NSIC/MSME	(Yes /No) Pg. No.
1	Financial-Bid	Price bid	(Yes /No)

Seal and Signature of the bidder