



**INSTITUTE OF SCIENCE AND TECHNOLOGY
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
KUKATPALLY, HYDERABAD**

TENDER NOTICE

No. JNTUH/ IST/CCST/Equipments/02/2019

Dated: 01.02.2019

Sealed tenders are invited from the reputed manufacturers or authorized dealers / suppliers for supply of equipments with installation and commissioning in the Centre for Chemical Sciences & Technology, IST. The tender documents can be obtained from the office of the Centre for Chemical Sciences & Technology, IST, JNT University Hyderabad, on payment of @ Rs. 1000/- each equipment by way of Demand Draft in favor of “ **MODROBS-CCST/IST/JNTUH**. The last date for submission of tender is 22.02.2019 by 3.00 pm. For further details see University website www.jntuh.ac.in & <http://jntuhist.ac.in/>


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INVITATION TO TENDER AND INSTRUCTIONS TO TENDERERS

Supply of Equipment for
CENTRE FOR CHEMICAL SCIENCES & TECHNOLOGY, IST



**INSTITUTE OF SCIENCE & TECHNOLOGY
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD, KUKATPALLY, HYDERABAD.**

INSTITUTE OF SCIENCE & TECHNOLOGY
Jawaharlal Nehru Technological University Hyderabad
INVITATION TO TENDER AND
INSTRUCTIONS TO TENDERER FOR THE SUPPLY OF EQUIPMENTS FOR
Centre for Chemical Sciences & Technology

Institute of Science & Technology, Jawaharlal Nehru Technological University, Hyderabad invites tenders for supply, erection, installation and commissioning of various equipments for the Centre for Chemical Sciences & Technology of the Institute as per specifications given in the Schedule attached to the Tender form annexed hereto. All offers should be made in the English and should be written in both figures and words. The relevant brochure may also be enclosed.

The Tender Schedule can be obtained from the office of **MODROBS-CCST/IST/JNTUH** on payment of @Rs.1000/- (Rupees One Thousand only) each Instrument in the form of crossed Demand Draft on any Nationalized Bank drawn in favor of the **MODROBS-CCST/IST/JNTUH**, Alternatives offer / option, if any, must be quoted in separate tender schedule.

Tender fee once paid is neither refundable, transferable nor adjustable for other tenders. The tender form is non-transferable and should be purchased in the exclusive name of the party who has to actually submit the offer.

MODROBS-CCST/IST/JNTUH reserves the right to select certain items (in single or multiple units) and reject the others or all mentioned in the Schedule. also reserves the right to revise or alter the specifications of the software before acceptance of any tender. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored, and rejected.

Delivery:

The tenderer shall be responsible for delivery and installation and commissioning of the equipments as per the stipulations and specifications at destination site.


EMD:

A Demand Draft for @ Rs. 10,000/- (Rupees Ten Thousand only) each instrument drawn in favor of the “ **MODROBS-CCST/IST/JNTUH**, Hyderabad towards EMD must accompany the tender. Those tender without EMD will be rejected. The EMD will be refunded to all the unsuccessful tenderers only after the purchase orders are placed on the successful tenderer.

The final acceptance of the equipment will be made only after delivering in good condition and to the satisfaction of the specifications given, by the Institute / University and satisfactory functioning of the same.

NOTE: Tender schedule can be download from website and submit filled copy along with Rs.1000/- DD in favor of “ **MODROBS-CCST/IST/JNTUH** ”

TENDERER


DIRECTOR
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Prices:

The Prices must be quoted in Indian Rupees only and should be inclusive of packing, forwarding, freight, insurance, delivery and commissioning at destination site (JNTUH, CCST, Institute of Science & Technology, Kukatpally, Hyderabad), and all taxes.

Validity:

The tenders should be valid for acceptance up to a period of 3 months. The tenderers should be ready to extend the validity, if required,

Demonstration and feedback:

The tenders must accompany the list of reputed organizations, and educational institutions where the similar orders have been executed with track record along with proof of work order. They should provide the demonstration, if required.

Delivery:

All the goods ordered shall be delivered with proper packing within the delivery period from the date of issue of order at the above destination.

Terms of Payment:

Payment shall be made by **MODROBS-CCST/IST/JNTUH** only after receipt of equipments in good condition demonstrating the software and providing training to the university staff with all specifications and standards to the entire satisfaction of the institute.

Terms and Conditions of the Tendering Firms:

Printed terms and conditions of the Tenderers will not be considered as forming part of their tenders.

Delivery of Tender for (Automated Flash purification system)

The sealed tender should be addressed to:

MODROBS-CCST/IST/JNTUH
Centre for Chemical Sciences & Technology,
Institute of Science & Technology,
JNT University, Kukatpally, Hyderabad 500 085

Superscripted on the right hand side "**TENDER FOR EQUIPMENTS FOR CCST, IST**," and should indicate clearly the name and address of the tenderer. In addition, left hand corner of the envelope / container should indicate the Tender No., date and time of opening of tender. The University reserves the Right to reject any tender which fails to comply with the above instructions. All tenders should be sent by Registered post or through messenger- to drop the tender in the sealed tender box provided in the office, it is the responsibility of the tenderer to see that his tender offer is delivered by the specified time at the above address. All further communication should be addressed to the Officer named above and by title only.

TENDERER

DIRECTOR



Time for Receipt and opening of Tenders:

The tenders must reach the Director, Institute of Science & Technology, JNT University, Kukatpally, Hyderabad –500 085 not later than 22.02.2019 at 3.00 p.m. Tenders submitted after the specified time shall not be considered and no intimation will be sent in this regard. The tenders will be opened on the same date at the specified time mentioned below.

Tenderer should make their representative available on 22.02.2019 at 3.30 p.m. at the time of opening tenders in the meeting hall of the Director, Institute of Science and Technology or any other designated place within the University.

Right to Acceptance:

MODROBS-CCST/IST/JNTUH does not bind himself to accept the lowest on any tender and reserves to himself the right of accepting the whole or any part of the tender or portion of the quantity offered and the tenderer shall supply the same at the rate quoted further the Director, IST reserves the right to reject any or all offers received in response to tender or cancel or withdraw the tender notice without assigning any reason, whatsoever.

Results of Tender:

Acceptance of Tender shall be communicated by letter of acceptance or formal acceptance of the tender to the successful tenderer.

Other Terms:

The Tenderer should produce GST- Registration Certificate.

Tenderer should be responsible and bear any price escalation within the validity period and also after the indent has been placed till the supply.



Warranty Declaration, All tenderers should give a warranty declaration as detailed below:

We warrant that everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification.

Any deviation in the material, and the specifications from the accepted terms may liable to be rejected and the tenderer need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at the their own cost. The payments shall be made only after receiving the material in the required format and quality to the satisfaction of the University authorities and after satisfactory demonstration and training.

For any further information in this regard, Please contact HEAD-CCST Room No: 207 2nd Floor New IST Building CCST/IST/JNTUH Hyderabad during 11.00 am to 04.00 pm.

TENDERER


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BID PARTICULARS

1. Name of the Supplier :
2. Address of the Supplier :
3. Address of the Show Room :
4. Availability of demonstration of equipment : Yes / No
5. EMD enclosed : Yes / No if Yes
D.D. No. _____ Bank _____
Amount _____
6. Name and address of the Officer to whom all references shall be made regarding this tender enquiry.

Name :

Address :

Telephone No.:

Fax No.:

Mobile No :

e-Mail :

Web :

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Automated Flash purification system specifications:

1. Compact bench top model.
2. Capable of computer controlled delivery of four solvents for binary gradient mode with the capability of adding third solvent during the run and isocratic mode, 2 step Gradient and Rf gradient.
3. Solvent flow rate: 1 to 70 mL/min or above.
4. Pumping system with pressure of 10 Bars/ 145 psi or more.
5. The system should have the facility to use Inject / sample loading column with pre packed adsorbent to trap high polar solvent without affecting the sample separation.
6. Variable wavelength UV -VIS detector range from 200 - 800 nm. Parallel detection should be possible with two detectors UV-VIS and MS together in one run. Detection should also be possible with UV-VIS or MS alone
7. The detector should have facility to upgrade with the **external detector like MS, ELSD or RI** as and when required. (The detector should compatible and connected to ADVION Expression S Model mass spectrometer)
8. Automatic fraction collection. Fraction tracking facility with peak to tube graphical interface Touch-screen controlled software for operation of the machine
9. The system/software should have Gradient Optimization by Automatic Method Setup where **TLC Rf value and solvent mixture ratio** are to be given as input, and pure compounds in the sample should be eluted with minimum amount of solvent.
10. On-screen method development, Real-time control, column size & media sensing, fraction collection control & method scale up feature and real time monitor of the line pressure.
11. Safety features like automatic stop of flow if collection tray is full or unavailable, leak detection, solvent level detection, pressure moderating system.
12. System supplied with Racks for 18x150 mm test tubes with minimum to collect 120 fractions or above



13. **Application software:**
- Eluting position should be controllable
 - Simple & easy change of method parameters on the fly
 - Automatic method set-up based on **inputting TLC Rf value** for the single target compound and/or multiple targets
 - Visual indication to predict where and when the target compound will elute.
 - The Software should have capability to display the maximum chargeable (CRUDE) sample volume for the selected column OR select the most suitable column to match the (CRUDE) sample size by just inputting the Rf value
 - Real time monitoring
 - Branded PC All in ONE Touch Pad with latest windows based operating system, minimum 2 GB RAM, hard disk 300 GB (minimum) or Built in Touch Pad with storage capacity of up to a minimum of 200GB.
14. The system should be supplied with the TLC Image Reader and calculate the Rf value Automatically and create the chromatography Gradient method automatically.
15. The following pre packed refillable Silica column to be supplied as a standard items along with the system with necessary fittings & connectors :-
- a) 40g –Pre packed Silica column - 10 no's
 - b) Empty Sample Loader for Liquid & Solids in 2 different sizes (5g & 25g).
16. Flexibility to use empty self packing glass columns/ refillable Polypropylene pre packed Silica column having different dimensions to be quoted under optional.
17. System should have Flexibility to use any make Flash columns available in the market and necessary adapters or holders should be provided by default.
18. Operating voltage : 230V/50Hz
19. Three year warranty with additional 3 years of free service

