

**GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY
HISAR-125001**

Tender For Supply of Equipment(s)

To

Subject: Invitation for tender for supply of equipments.

Dear Sir (s),

You are invited to submit your most competitive tender for the following equipment (s) with the following terms and conditions:-

A. SCHEDULE OF EVENTS :-

1. TENDER NO.* :: CIL/2017/MS-PURSE
2. TENDER FLOATING DATE :: 24.07.2017
3. TENDER SUBMISSION CLOSING DATE & TIME : 07.08.2017 upto 3:00 pm
(Extended upto 21.08.2017 at 3:00 pm)
4. TENDER OPENING DATE & TIME :: 07.08.2017 at 3:30 pm
(Extended upto 21.08.2017 at 3:30 pm)
5. VENUE FOR TENDER SUBMISSION & OPENING :
Submission: Coordinator, DST-PURSE Programme and
Director, Dr. A P J Abdul Kalam Central Instrumentation Laboratory,
GJUST, Hisar
Opening: Committee Room, Vice Chancellor's Office/CIL, GJUST, Hisar.
6. PRE-BID CONFERENCE(IF ANY) :: No
DATE, TIME AND VENUE
Committee Room, Vice Chancellor's Office, GJUST, Hisar
7. TENDER DOCUMENT COST :: Rs. 300/-
* Tender number must be mentioned in all correspondence.

B. BRIEF DISCRIPTION OF TENDER DOCUMENT :-

This tender document consists of four parts namely:

1. Brief description of the equipment(s):-

It mentions the name of the equipment required and its quantity. The quantity is subject to increase and decrease, at the discretion of the indenter.

2. Technical data sheet (technical specifications of the equipment):-

It contains the technical details / specification of the equipment. It should be submitted in a separate sealed envelope marked as "Technical Bid". Bids having deviation in technical specification will be declared as "technically non-responsive" and it will not be considered for commercial evaluation.

3. Commercial Data Sheet:-

This format deals with the commercial aspect of the tender. The bidder should quote the basic/ex-works rate of goods and other over head charges only in his format.

4. General / standard Terms and conditions:-

This portion contains the general/standard terms and conditions of the tender and its compliance is essential, failing which the contract may be cancelled and bidder may be liable for penal action against it.

5. Special Terms and conditions:-

It contains special terms and condition which may be in addition to / in super-session of the referred "General / Standard Terms and conditions" and its compliance is also compulsory in the same manner, as in the case of the General / Standard Terms and conditions.

1. Brief description of the equipment name :-

Name of Equipment(s) Qty. Required

Mass Spectrometer - IMPORTED **1No.**

2. Technical data sheet (Technical specifications of the equipment) :-

Sr. No.	Description of the Equipment (s)	Technical Specifications
1.	Mass Spectrometer - IMPORTED	ANNEXURE-I

3. Commercial Data Sheet:-

Format of Tender – Price/commercial bid

TENDER NO & DATE: -----

A.BASIC/ EX -WORKS PRICE.

Sr. No.	Brief Description of the Equipments/ Software	Specifications	Quantity	* Cost per Unit	* Total Cost

* SPECIFY CURRENCY

B Over Head Charge (Taxation etc.)

Sr. No.	Nature of Overhead Charges(Tax/insurance/freight etc.)	Rate	Total amount (Rs)

Total A +B = Rs ----- (in words Rs.....)

We agree to supply the above Equipments/software in accordance with the above technical specifications for a total contract price referred as above, with in the period specified in the Invitation for Tender. We also confirm that the normal commercial warranty/guarantee of as per tender document shall apply to the offered Equipments/ Software.

Signature of Supplier with seal
 Correspondence address of the company
 With phone, Fax, and E-mail and
 Name & address of contact person
 Place and Date

4. General/Standard Terms and Conditions of the Tender:-

1 Two Envelope Bid :-

The tender is to be submitted on two envelope bid pattern i.e. “Technical bid” and “Price/commercial bid” in separately sealed envelopes. Both of these envelopes should be put in and sealed in another envelope addressed to Coordinator, DST-PURSE Programme and Director, Dr. APJ Abdul Kalam Central Instrumentation Laboratory, Guru Jambheshwar University of Science & Technology, Hisar-125001 (Haryana), India and super-scribed in bold as “**TENDER FOR SUPPLY OF MASS SPECTROMETER**”. The “Technical bid” should mention only the technical details of the item/equipment. Price per unit be mentioned only in the “**Price/commercial bid format**”.

2. Bid Signing:-

The Tender must be signed by authorized signatory of the bidding firm/company on each page, along with seal of the firm/company, as the case may be.

3. Conditional Bid:-

Conditional Bid is not acceptable. Hence, the supplier is advised neither to alter the specifications nor to mention anything on the Tender form, except cost, signature with seal, otherwise his Tender will not be considered.

4. Delivery Destination:-

The Tender should be quoted as FOR GJUS&T, Hisar. The transient insurance and freight charges etc, if any, needs to be mentioned separately of the basic/ ex- works price of the quoted item.

5. Delivery Acceptance:-

The delivery of the material will be handed over to the authorized official of the concerned indenting department/office, however, the goods will be deemed to accept subject to the approval of the inspection committee of GJUS&T. In case of rejection of the consignment, the supplier should immediately remove the consignment from the university premises failing which it will remain there at the risk and responsibility of the supplier and university will not be responsible for any kind of liability in this regard.

6. Delivery Period:-

The supply is to be made within 30 days of the date of dispatch of the supply order. However, in case of imported goods this time limit will be 60 days, instead of 30 days.

7. Delivery Period Extension:-

The supply order(s) shall be executed within the time specified in this regard. However, in case of Force Majeure / reasons beyond control of the supplier, he may make a written request to the Vice-Chancellor for grant of extension for delivery period. The written request in this regard should clearly spelling out such reasons.

The Vice-Chancellor, if he is satisfied of such reasons and further that the requested extension will not be detrimental to the interests of the university, may grant extension for a reasonable period for delivery of the goods. The supplier would be required to indemnify the university against any loss on account of downfall of the price during the extended period.

8. Penalty for delayed supply:-

In the event of the delayed supply, if accepted, the Registrar will be competent to impose penalty @ 1% per day of the purchase order, provided that the entire amount of penalty shall not exceed 10% of the total amount of Purchase order. The supply will be deemed to be complete on the day when 100 % supply is handed over to the indenter (in case of supply in installments) and its installation is done. An appeal against these orders shall, however, lie to the Vice-Chancellor whose decision shall be final.

9. EMD forfeiture:-

In case of the contractor backs out the supply, the earnest money deposited by him shall be forfeited. Apart from it, he will be liable for any other action against him, as may be considered necessary by the Vice-Chancellor.

10. Rejection of incomplete tenders;_

Incomplete Tender such as unsigned Tender, late submitted Tender, conditional tender, not confirming to the eligibility criteria and Technical specification or with any vague term such as 'Extra as applicable' will be considered as rejected.

11. Quantity Variation :-

The quantity shall be subject to increase or decrease as the case may be.

12. Manual/literature:-

The detailed literature/catalogue of the quoted instrument and its accessories should also be attached with the tender. The specifications claimed by the firm should be clearly mentioned in the literature/catalogue also. Its manual should also be supplied with the equipment.

13. Taxation:-

Taxes/Excise duty/Custom duty etc. should be quoted independent of the ex-works price of the item and it will be paid as applicable under Government rules, if so quoted by the Supplier in the tender, subject to the certificate in the bill of costs as follows. However, wherever exemption from duty (excise/custom duty) is applicable, the university will provide the exemption certificate, along with supply/purchase order itself.

In case of imported goods the custom clearance is to be arranged by the supplier at his own. Charges, if any, in this regard, however, need to be mentioned accordingly in the quote itself. University will provide necessary documents for this purpose. In case the quote is silent with regard to taxation and clearance charges etc, no such charges will be paid by the university.

14. Right to Bid rejection:-

The University reserves the right to reject any or all offers without assigning any reason.

15. Packaging of Consignment:-

The material should be packed in a strong case so as to avoid any damage, theft or pilferage in the transit, in which case the responsibility shall be that of the supplier.

16. Warranty :-

The warranty should not be less than 12 months from the date of installation of the equipment.

17. Performance Warranty :-

Before release of the payment, the successful bidders will be required to submit a performance warranty in form of bank guarantee equal to 10% of the purchase order for the warranty period of the Equipments.

In case of imported goods requiring opening of LC or advance copy of the draft, the bank guarantee on account of performance warranty, having validity for warranty period plus 4 months, should be submitted before issuance of the purchase order by the indenter. If required, its validity will be got suitably extended by the supplier before release of his EMD.

18. Payment :-

The payment will be made within 30 days of the successful installation and its inspection and further after the on-site training imparted, if it is the requirement of the tender document.

19. Currency:-

The rates are quoted in Indian Currency (I N R). However, in case of imported item it may be quoted in foreign currency where in the date of floating of tender will be taken as the conversion date for bid evaluation and comparison purpose

20. Earnest Money Deposit(EMD) :-

The earnest money of the amount, as per the slab given below, in the form of bank draft payable at Hisar and drawn in favour of the Registrar, Guru Jambheshwar University of Sc. & Tech. Hisar or a irrevocable bank guarantee, will be required to be remitted with the tenders. **EMD should be enclosed with Price bid and the same should be indicated in the Technical bid also.**

21. Arbitration :

In case of any dispute both the parties will be bounded by the decision of the Vice-Chancellor, GJUS&T, Hisar, as the arbitrator.

22. Jurisdiction :-

All disputes shall be subject to Hisar jurisdiction.

EMD Slab:-

<u>Sr. No.</u>	<u>Contract Value</u>	<u>Earnest Money</u>
1.	Rs. 300001 to 500000/-	Rs. 20000/-
2.	Rs. 500001 to 1000000/-	Rs. 40000/-
3.	Rs. 1000001 to 2000000/-	Rs. 70000/-
4.	Above Rs. 20 Lacs	Rs. 100000/-

Coordinator, DST-PURSE Programme and
Director, Dr. A P J Abdul Kalam Central
Instrumentation Laboratory, GJUST, Hisar

The terms & conditions of tender have been read and I/We certify that I/We clearly understand the same and undertake for its compliance

Place: -----

Signature of authorized representative
of the bidding firm/company with seal.

Dated: -----

(Affix Rubber Stamp of the firm)

5. Special Terms and Conditions

1. If the equipment is not manufactured by the bidder, authorization of the manufacturer to the bidder for marketing and servicing of the equipment in India should be enclosed along with technical bid of the tender.
2. The detailed literature/catalogue of the quoted instrument and accessories should be attached with the tender. The specifications claimed by the firm should be clearly mentioned in the literature/catalogue
3. The firm should agree to supply the spare parts/software, etc. for at least five years.
4. Please quote the AMC/CMC rate for at least four years after warranty period.
5. Free upgradation of software for at least for five years after warranty period.
6. The instruments and accessories will be installed completely in Dr. A P J Abdul Kalam Central Instrumentation Laboratory, GJUST, Hisar by the successful bidder. No wires, cables, etc. will be provided by CIL for installation. It is also necessary to provide training for lab./technical personnel including trouble shooting etc. and also presentation and demonstration to research scholars, teachers and technician/lab. attendant on instruments.
7. In case of short supply or wrong supply of equipment, its parts or accessories or supply of items in damaged conditions, it is the responsibility of the bidder to arrange for the supply of the required items in working condition as per the purchase order, within the period specified for instrument. Any additional expenditure, whatsoever, for the above will be borne by the bidder only.
8. Payment: In case of imported items, option of payment through L.C. or thorough draft or as decided by the university.
9. The successful bidders will be required to submit a performance warranty in form of bank guarantee equal to 10% of the purchase order for the warranty period of the Equipment at the time of successful installation.

Coordinator, DST-PURSE Programme and
Director, Dr. A P J Abdul Kalam Central
Instrumentation Laboratory, GJUST, Hisar

I hereby accept all the terms and conditions.

Authorized Signatory
with date and office seal

Note: Please submit it along with tender.

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR

TENDER NO & DATE: -----

TECHNICAL SPECIFICATION / TECHNICAL DATA SHEET
OF THE EQUIPMENT/ITEM REQUIRED.**Mass Spectrometer - Liquid Chromatography Mass Spectrometry**
(LC-MS/MS QTOF/HRMS)

Sr. No.	Description
1	<p>General:- Mass spectrometer with ESI and APCI source allowing positive and negative ion Detection, collision cell, good vacuum system for the analysis of solid as well as liquid samples (separately/combined).</p> <p>All required software package for following applications should be quoted:</p> <ul style="list-style-type: none"> • Oligonucleotides and Carbohydrates analysis • organic compounds, metal complexes • Peptides and Proteins analysis • Pesticides residual analysis and Toxin analysis • Waste water analysis for antibiotics in pharma • Natural Product
2	<p>Ion source: The instrument must be equipped with a High Performance atmospheric pressure ionization (API) technique. Combined or Separate source for Electro Spray Ionization (ESI) and APCI to cover all areas of applications must be provided. Positive and negative ionization capabilities must be included as standard on the instrument. Suitable accessory for sample introduction by direct infusion in system must be supplied. System should have latest technology of ion focusing to the analyzer. Desolvation Temperature should be 400° C or Higher</p>
3	<p>Mass analyzer (high resolution): Mass Analyzer should be equipped with quadrupole analyzer and collision cell followed by equivalent high resolution mass analyzer/Time of flight mass analyzer system with the below mentioned capabilities: Quadrupole mass analyzer must have ion selection from 50 to 1250 or higher</p>
4	<p>Acquisition rate: Minimum 25 or better spectra per second in MS/MS mode or 12Hz or higher.</p>
5	<p>Mass resolution: The resolution of the instrument should be at least 30000 or higher</p>
6	<p>Mass accuracy: Internal <1 ppm and External < 3 ppm</p>
7	<p>Sensitivity: MS/MS mode reserpine 200 fg on column S/N > 60:1</p>
8	<p>Reference mass introduction: Capable of internal reference mass correction for MS and MS/MS operation without losing sensitivity standard has to be quoted. System should be capable of doing calibration in MS/MS Mode</p>
9	<p>Acquisition modes: Qualitative and quantitative expression in ESI and APCI. The software should be capable of data acquisitions to provide fragmentation data for all detectable molecular ions in a single run. The instrument should have variable collision energy between low and high-energy in the collision cell</p>
10	<p>Instrument must be upgradable for additional dimension of separation or any other better technology like ion mobility for separating the isobaric compounds/ coeluting compounds, improve</p>

	the spectra quality, to detect molecules at low level. Same should be quoted in optional items
11	<p>Operating software: Multitasking suite of analytical applications and instrument management software operating in Microsoft Windows environment, featuring graphical user interface with multiple windows Software includes:</p> <ul style="list-style-type: none"> • Mass Spectrometer Control Software • Complete integrated software to control MS, LC and Autosampler. • System parameter checking and alerts. • LC/MS System Check – automated on-column performance test. • Inlet Control Software • Spectrum Review and Processing • Spectral library search facilities (user defined or commercial libraries) • Auto-calibration/tuning, accurate mass measurements, elemental composition determination (automatic formula generation by matching true isotopic pattern with parent and fragment ions), MS/MS experiments and quantification. • Software should be capable of doing relative and absolute both quantification (Label and Label Free). The software should have capabilities to control, acquire, store, process and reproduce the data to perform the following functions • Automatic library searching against Free and commercially available libraries • Automatic library searching against user defined libraries • Should be capable of qualitative, quantitative and characterization with suitable library system. • Pesticide residual analysis, toxin analysis and antibiotic and pharma compound analysis. • Semi-quantitative reporting of Deconvoluted component concentrations. • Necessary software for metabolite, polymer and oligomers and organic. • Targeted accurate mass screening, for presence/absence/confirmation of large number of compound in complex mixtures. Automated quantification and reporting of acquired samples. • Software for empirical formula calculation. • Software for protein and peptide identification and quantification. • Suitable number of perpetual licenses (with free of cost future updates) must be quoted along with respective software. • Structure elucidation suite using IR, UV, 1D NMR, 2D NMR MS/MS and LC-MS Data for the analysis of Natural Products, Organic Molecules, Pharmaceutical Compounds and Metabolites (optional). <p>All Library and software should be included for the above mentioned applications</p>
12	<p>Computer and Printer: Latest available configuration alongwith 100 % compatibility with instrument</p>
13	<p>Gas generator: A suitable gas generator with noise free compressor capable of providing the entire gases high purity. The pressure and flow rate for the Mass Spectrometer must be quoted</p>
14	<p>Direct infusion: Syringe pump or equivalent to inject samples directly to the instrument for MS and MS/MS analysis</p>
15	<p>Operating modes: The instrument should be capable of performing simultaneous qualitative and quantitative MS & MS/MS analysis for all detectable ions</p>
16	<p>Pump: Binary Pump Vacuum degassing capability of solvents. Operating Flow Rate Range 0.2 to 2 ml/min. Maximum Operating Pressure 15,000 psi or higher. Solvent Selection Valve to be provided for choice of solvent pair. Effective System Delay Volume should be specified.</p>
17	<p>Auto sampler: 100 vials of 2 ml</p>

18	Column Thermostat: Temperature range upto 80°C 15 cm column – 2 Nos with switching valve capability
19	PDA/DAD Detector: Wavelength Range : 190-800 nm with accuracy 1nm or better
20	On-line UPS On-line 10 KV UPS with minimum One-hour battery backup for the MS and accessories such as gas generator, compressor, etc.for the operation of the instrument
21	Warranty: one year standard warranty with two years CMC and two year AMC including third party items.

Note: All the claims made by the various vendors in terms of the above mentioned specifications should be validated by means of company's global technical specification sheet in the tender document being submitted by them.

HISAR
DATED;

Coordinator, DST-PURSE Programme and
Director, Dr. A P J Abdul Kalam Central
Instrumentation Laboratory, GJUST, Hisar

BIDDER'S ACKNOWLEDGEMENT

I UNDERTAKE TO SUPPLY THE EQUIPMENT / ITEM AS PER ABOVE TECHNICAL SPECIFICATIONS

PLACE:

(SIGN WITH SEAL OF THE BIDDER)}

DATED :

