

TENDER

FOR

Supply and Installation of

Flash Chromatography System

in the Central Instrumentation Facility

BIT MESRA, Ranchi



Tender No.: IC/542

Tender date: 20/09/ 2016

Last Date of submission: 21/10/ 2016

Birla Institute of Technology, Mesra

Birla Institute of Technology, Mesra, Ranchi invites tender for supply, erection, installation, commissioning, testing, demonstration and training of **FLASH CHROMATOGRAPHY SYSTEM**, as per specifications given in the Annexure attached to the Tender.

Tender Reference No.	IC/000542
Last Date and Time for receipt of Tender	21/10/2016 at 1400 Hrs
Time and Date for Opening of Technical Bid	21/10/2016 at 1500 Hrs
Address for Communication	As Stated below in the Instructions to the bidders.
Contact Telephone Numbers, H.O.D.	0651-2276274
For technical Details Contact: Dr. Usha Jha(Prof. In- Charge CIF) Dr. Sanjaya Kumar Swain(Research Officer	ushajha@bitmesra.ac.in skswain@bitmesra.ac.in
Opening of Bids	Technical Bids will be opened on 21/10/2016, at 1500 Hrs in the Institute's Conference Room in the Main Building.
Price bids	Price bid of only Technically qualified bidders will be opened. Dates will be declared later.

INSTRUCTIONS TO BIDDERS

All interested vendors are requested to send their sealed quotation for supply of the above item under two bid systems in the following manner:

- a) Envelope – I: Technical Bid.
- b) Envelope – II: Financial Bid.

NOTE: The bid documents are not transferable and the firm's seal and signature of the authorized official must appear on all papers and envelopes submitted.

Both the envelopes should be sealed, signed, marked and kept in a bigger envelop superscribed with the Tender Reference No. and Tender notice detail as appended hereunder.

TENDER FOR SUPPLY OF FLASH CHROMATOGRAPHY SYSTEM
TENDER REF. NO:IC/000542, DATE: 20/09/2016
LAST DATE FOR SUBMISSION: 21/10/2016 Till 1400 Hrs.

The Registrar
Birla Institute of Technology, Mesra
Ranchi - 835215.

From: M/s -----
Contact No: -----
E-mail ID: -----

Eligibility Criteria

Sr. No.	Criteria	Comply (Yes/No)	Page number in support of compliance. Deviations (if any) should be mention clearly and details thereof should be indicated.
1.	The supplier must have sold at least 5 FLASH CHROMATOGRAPHY SYSTEM within India in last 5 (five) years. The supplier should provide list of installation in India with all contact details and model details so that BIT, Mesra can approach contact person for any feedback.		
2.	Vendor should have repair, maintenance and upgradation facility in India.		
3.	The supplier of the instrument must confirm in writing that the spares for the entire instrument will be available for a period of at least ten years after the model of equipment supplied has been phased out.		
4.	This Institute may call for Purchase Order of Similar Equipments 'placed by Private Organizations/ IITs/otherGovernment of India Organisations.		
5.	Bidders shall invariably furnish documentary evidence (client's certificate) in support of the satisfactory operation of the equipment.		

Terms & conditions

1. **Representation:** One Indian agent cannot represent two different foreign principals in one tender.
2. **Instructions to the OEM:** Either the Indian Agent on behalf of the Principal/OEM or Principal/OEM can bid but both cannot bid simultaneously for the same item/product in the same tender.
3. **Single Order:** A single order will be processed for entire configuration.
4. **Spares availability:** The supplier of the instrument must confirm in writing that the spares for the entire instrument will be available for a period of at least ten years after the model of equipment supplied has been phased out. For frequently required spares, there should be adequate inventory with the Indian agency.
5. **Delivery date etc.:** Time taken for delivery, installation and commissioning should be separately specified.
6. **Bid Submission:** The bids can be sent to us by Hand/ Speed post/ Courier so as to reach the marked address by due date and time. Late bids will not be accepted. The price bids of only those

firms will only be opened who are found to be technically qualified after evaluation. The Institute reserves the right to cancel/reject any or all bids without assigning any reason thereof.

7. **Bid document:** The vendor should read the Tender documents carefully before quoting. It shall be deemed that the vendor has gone through the documents carefully and has understood its implication. Any lack of information shall not relieve the bidder of its responsibility to fulfill its obligations under the Bid.
8. **Price:** Prices quoted should be on F.O.R., BIT Mesra, Ranchi on **Door Delivery** basis.
9. **Technical bid:** The technical bid should accompany full technical literature, pamphlets, leaflets of the technical features of the offered equipment must be submitted for proper evaluation.
10. **Dealers:** Dealership certificate/ authorization certificate from OEM if the bidder is a dealer.
11. **Similar Installation:** A complete list of Institutes' / Organizations' list wherein the installation has been done and a Performance certificate along with such list where these installation has been done in past three years.
12. **Validity of Quotation:** Quotations should be valid for 90 days.
13. **Declaration:** The bidder should attach a self-declaration stating that he is not debarred/ blacklisted or banned from any University/ Central Government / PSU / State Govt of India / any other Govt. agencies or any Institute of National / International importance.
14. **VAT etc:** Copy of up-to-date VAT clearance certificate & sales tax registration certificate indicating also the TIN number of the Firm will have to accompany the quotations. Copy of PAN must be submitted of Firm / Company along with the Technical Bid.
15. **Bank Details:** Banker's details of quoting Firm/ Vendor should be clearly mentioned as attached
16. **Performance security:** The supplier shall furnish a Performance Security within 21 days after the receipt of the Purchase Order for an amount of 10% (Ten percent) of the Purchase order value, valid **up to 60 days** after the date of completion of performance obligations including warranty obligations. In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 months and the **Performance Bank Guarantee** for proportionate value shall be extended 60 days over and above the extended warranty period. This Performance Bank guarantee should be issued from any Nationalized Bank and validity of the same will be till **warranty period +60 days** from the date of delivery / installation of the material.
17. **Warranty/ Guarantee/ AMC:** As per Technical Specifications mentioned in **(Annexure - II)**.
18. **Delivery:** Unless otherwise stated delivery of goods at BIT, Mesra, will have to be maximum within Eight (8) weeks from the date of issue of the Purchase Order. All aspects of safe delivery shall be the exclusive responsibility of the OEM / Bidder.
19. **Bid Currencies:** The quoted price should be in Indian Rupees for offers received for suppliers within India and in freely convertible foreign currency in case of offers received for supply from foreign countries.
20. **Foreign bidders:** In case a bidder not doing business within India, it shall furnish the certificate to the effect that the bidder is or will be represented by an agent in India equipped and able to carry out the supply, maintenance, repair obligations etc. during the warranty and post warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period, without which their offers are liable to be ignored.
21. **Conditional tenders:** Conditional tenders shall not be accepted.
22. **Late and delayed Tenders:** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.
23. **Customs/Excise Duty:** The Institute is exempted from payment of Customs/Excise Duty Vide GOI Notification No. 51/96 Customs, dated 23.07.1996 & No.24/2007-Customs dated

- 24. Rejection of Tender:** The tenders are liable to be rejected if the conditions mentioned in the tender documents are not complied with. The tender should be complete in all respects and duly signed wherever required. Incomplete and unsigned offer will not be accepted.
- 25. Authorization for signing the bid:** The authorization shall be indicated by written power-of-attorney accompanying the bid. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.
- 26. Liquidated Damage:** If a firm accepts an order and fails to execute the order in full as per the terms and conditions stipulated therein, it will be open to this Institute to recover liquidated damages from the firm at the rate of 1% per week of the order value subject to a maximum of 10% of the order value. It will also be open to this Institute alternatively, to arrange procurement of the required stores from any other source at the risk and expense of the firm, which accepted the order but failed to execute the order according to stipulated agreed upon.
- 27. Payment Terms:** -100% payment will be released after receiving of stores in good order and condition and successful installation and commissioning duly certified by the concern authority.
- 28. Termination for default:** Default is said to have occurred: -
- (a) If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by BIT, Mesra.
 - (b) If the supplier fails to perform any other obligation(s) stated in the Purchase Order.
 - (c) If the vendor, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of the default notice from BIT Mesra (or takes longer period in spite of what BIT Mesra may authorize in writing). BIT Mesra may terminate the contract / purchase order in completely or in part. In addition to above, BIT Mesra may at its discretion also take the following actions: BIT Mesra may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate BIT Mesra for any extra expenditure involved towards goods and services to complete the scope of.
- 29. Acceptance and rejection of bids:** The Institute may accept or reject any or all the bids in part or in full without assigning any reason and doesn't bind himself to accept the lower bid, without thereby incurring any liability to the affected Bidder or bidders. The institute at its discretion may change the quantity / upgrade the criteria / drop any item or thereof at any time before placing the Purchase Order.
- 30. Manual:** One set of operating manual and service manual including detailed drawings and circuit diagrams (in English) should be provided with the instrument
- 31. Blacklisting of Supplier:** **Furnishing of wrong/ambiguous information in the compliance statement may lead to rejection of bid and further black listing of the bidder, if prima-facie it appears that the information in the compliance statement was given with a mala fide/ fraudulent intent.**
- 32. Delivery at Kolkata Airport/ Seaport only:** Since our SFIS bond is valid in Kolkata Airport/ Seaport only delivery is to be made through Kolkata Airport/ Seaport.
- 33. No part Shipment:** While transshipment will be allowed, part shipment will not be allowed.
- 34. Clarification of Bids:** Clarifications may be sought by the Evaluation committee of the Institute during the Process of Technical Evaluation. The request for the clarification and the response shall be in writing. There shall be no change in prices or substance of the bid shall be sought, offered or permitted. The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 35. Waivers:** The Institute may waive off any minor informality non-conformity or irregularity in a bid which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any Bidder.

- 36. Bid responsiveness:** A responsive bid is one in which the bid is substantively responsible i.e. the bid which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from or objections or reservations to critical provisions such as those concerning Performance Security, Warranty, Force Majeure, Limitation of liability, Applicable law, and Taxes & Duties will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 37. No Canvassing:** Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid.
- 38. Rejection of Bid:** If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformity.
- 39. Award of Purchase Order:** The Purchaser will award the Order to the successful Bidder whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
- 40. Patent Rights:** The Supplier shall indemnify the Institute against all third-party claims of trademark, industrial design right or infringement of Patent arising from the use of Goods or any part thereof in India.
- 41. Insurance:** For delivery of goods at site, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes.
- 42. Undertaking:** While sending rates, the firm shall give an undertaking to the effect that "the terms/conditions mentioned in the enquiry letter/Tender Notice against which the rates are being given are acceptable to the firm." In case the firms do not give this undertaking, their rates will not be considered.
- 43. Packaging:** The packaging should be such to prevent their damage, rough handling during transit and exposure to extreme temperatures etc or deterioration during transit to the final destination as indicated in the Purchase order. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 44. Tax liabilities:** Suppliers shall be entirely responsible for all duties, taxes, license fees, octroi, road permits, etc., incurred until delivery of the Goods to the Purchaser as per the Purchase order.
- 45. Termination for Insolvency:** The Purchaser may at any time terminate the P.O by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

Price bid

1. **Bid Price:** The Bid Price should be enclosed in a sealed envelope and properly marked. The Bidder shall indicate on the appropriate price bid, the unit prices and total bid prices of the goods it proposes to supply under the contract.
2. **Bid Currencies:** Prices should be quoted in Indian Rupees for offers received for supply within India and in freely convertible foreign currency for offers received for supply from foreign country.
3. **Where there is no mention of packing, forwarding, freight, insurance changes, taxes etc. such offer shall be rejected as incomplete.**
4. The price quoted shall remain fixed during the contract period and shall not vary on any account.
5. All lots and items must be listed and priced separately in the Price bid. If a Price bid shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Lots or items not listed in the Price bid shall be assumed to be not included in the bid.
6. **Customs/Excise Duty:** The Institute is exempted from payment of Customs/Excise Duty Vide GOI Notification No. 51/96 Customs, dated 23.07.1996 & No.24/2007-Customs dated 01.03.2007 and Central Excise Duty Exemption No. 10/97 –Central Excise dated 01.03.1997 with registration no. 11/161/90-TU-V dated 23.03.2016.
7. **Arithmetical errors:** The arithmetical errors will be rectified as follows. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the figures and words. The amount in words will prevail. If the supplier does not accept the correction of errors, its bid will be rejected.
8. Prices indicated on the price-bid should be mentioned in the following manner:

For Goods manufactured within India

- i) The price of the goods should be quoted Ex –works.
- ii) VAT and other taxes like excise duty etc. which will be payable on the goods if the contract is awarded. The details should be mentioned separately.
- iii) The charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination as specified in the price bid.
- iv) The installation, commissioning and training charges including any incidental services,(if any) should be clearly mentioned.

For Imported Goods:

- i) The price of the goods, quoted on FCA (named place of delivery abroad) or FOB (named port of shipment), as specified in the price schedule form.
- ii) The charges for insurance and transportation of the goods to the port/place of destination.
- iii) The agency commission charges, (if any).
- iv) The installation, commissioning and training charges including any incidental services, (if any).
- v) The terms FOB, FCA, CIF, CIP etc. shall be governed by the rules prescribed in the current edition of the Incoterms published by the International Chambers of Commerce, Paris.
- vi) **Delivery at Kolkata Airport/ Seaport only:** As we do not have clearing agent in any other Airport, delivery is to be made only at Kolkata.
- vii) While transshipment will be allowed, part shipment will not be allowed.

Proforma for Performance Statement (last three years)

Sr. No	Name of the Buyer (With full address)	Order No. and date	Full description of the Item and value	PO Value	Delivery Details		Delay reason (if any)	Attach satisfactory performance certificate (from the buyer)	Contact Persons Details and contact No.
					As per P.O	Supply date			

Annexure II

Technical Specifications

Specifications for Flash Chromatography System should have of the following minimum (Basic) specification (**better & higher specification will be given preference**):

Sl. No	Features	Specifications:	Compliance (Yes/ No) along with the reference page no. of the bid.
1.	Gradient Pump	Flow Rate: Min: 1.0mL/min, Max: 200mL/min Max Pressure: 200 Psi. Flow accuracy: $\leq \pm 2\%$	
2.	Solvent Lines	Independent four solvents/quarto-binary gradient capability and ability to add third co- solvent during a binary gradient	
3.	Sample Loading	<ul style="list-style-type: none"> Provisions for solid & liquid loading on cartridge and bulk media loading on the cartridge. Sample loading from 4mg to 30gm or similar without any additional accessories. 	
4.	Interface	System should have space-saving, touch screen controlled graphic user friendly interface with easy chromatogram storage, processing and retrieving facilities. Industrial control grade computer with 12- inch touch screen and 4GB RAM and Microsoft Window 7 Platform or of higher configuration.	
5.	Columns	<ul style="list-style-type: none"> Suitable pre-packed cartridge columns for sample loading of 10mg to 30g should be quoted with the system. It should be possible to re-use the pre pack cartridge columns after removal of the stationary phase by manual refilling of silica. System should be capable to work with other (standard manufacturer) make cartridge also with standard parameters. Sufficient number/packs of C18 columns of different sample loading capacity has to be supplied along with two packs of amino columns of different volume has to be quoted with the system to support analysis for one year. Sufficient number of refillable/Glass column of different sample loading capacity should also be supplied. 	

6.	Real-time method change facility	Should be capable of changing solvent composition, flow rate, fraction settings, collection pattern, wavelength during purification and running conditions.	
7.	Automated method creation	Facility to create accurate gradient method based on entered TLC data. Should have isocratic hold feature for a fixed gradient during the gradient run.	
8.	Fraction Collector	<ul style="list-style-type: none"> • Broad fractions rack capacity to collect different fraction volumes and racks of various sizes, including 13mm, 15/16mm, 18mm, and 25mm sizes or similar to be quoted. • The instrument must have the ability to add and remove fractions racks during the run. • It should be possible to use other fraction collection pattern like flask, beaker or bottle etc. facility to collect minimum 350 fractions in a single run. 	
9.	Detection	Variable, PDA detector with 200-800nm wavelength range or better, preferably with accuracy $\pm 1\text{nm}$, Absorbance range: $\leq 5\text{AU}$	
10.	Fraction Collection	Collect fractions using two user selected wavelengths	
11.	Computer & Printer	A suitable branded Computer for system control & data acquisition. It should have following minimum specs: i5 processor, 4GB RAM, 1 TB HDD or above, DVD combo drive, 2 USB Ports, 19" TFT/LED Color Monitor, Keys Keyboard, Optical mouse, with original operating system, HP or any standard brand LaserJet Printer with scanner.	
12.	UPS	3KVA online UPS with minimum 30 minutes back-up to be quoted	
13.	Training	The manufacturer / supplier of Flash Chromatography should provide three days onsite training in both hardware and software to the laboratory personnel in the installation, operation and maintenance of the instruments. the supplier or manufacturer should also provide three days application training.	

14.	Pre Installation Requirement	Complete technical details of pre-installation requirements should be furnished along with the technical bid. Birla Institute of Technology, Mesra will only provide the installation room, air-conditioning units and required electrical outlets. Vendors are expected to supply all other installation accessories, infrastructures, facilities and services required for successful installation and smooth operation of the equipment. Vendors may conduct the site survey before installation at no additional cost.	
15.	Warranty	Minimum warranty of 3 years should be quoted with main system. The supplier should provide comprehensive warranty for three years for all components without any additional cost to the purchaser from the date of satisfactory commissioning of equipment. Components include all parts (accessories/ consumables /spares parts) of the equipment. All accessories/consumable/ spare parts replaced shall be from OEM/ Supplier of same model or higher version.If within a period of three years after commission, any accessory / consumable/ spare part is proved to be defective then such product shall be replaced by the manufacturer / supplier. Such replacement shall be sole obligation of manufacturer / supplier, Including payment of charges for freight delivery, custom duty and transportation, if any. In case of breakdown during the warranty period, a competent Service Engineering of the supplier should make as many visits as are required to rectify the problem and replace the faulty parts, without any liability of cost.	

Other Terms and Conditions:

- i) Specification claimed must be supported by printed literature of the company.
- ii) Supplier must have proven capability and trained expert manpower to troubleshoot equipment both in the hardware and application part.
- iii) Backup soft ware must be provided on optical media. Any further version of the software and updates must be provided free of cost for 3 years.
- iv) Suitable and essential tool kit is to be supplied with the equipment for the required maintenance.

- v) Suitable and essential tool kit is to be supplied with the equipment for the required maintenance.
- vi) All the Technical Compliance sheets must be well aligned with the Printed company Data sheets & Brochures.
- vii) One set of operating manual and service manual (hard/soft copy in English) should be supplied with the equipment.
- viii) If in any case, shifting of the instrument is required in future, the vendor need to shift the instrument being offered after installation. It should be free cost for the dismounting, packing, unpacking, re installation and commissioning of the system with test running of the systems. Damage during the shifting, if any of the machine must be the liability of the vendor.

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