

Notice Inviting Tenders (NIT)

VISVA-BHARATI



Siksha Bhavana (*Institute of Science*)

Santiniketan 731 235

DEPARTMENT OF CHEMISTRY

**Notice inviting tender for Supply & Installation of Organic Synthesizer by
Dr. Alakananda Hajra, Department of Chemistry, Siksha Bhavana, Visva-Bharati**

Reference No. ANH/SERB/NR/2017-18/1

Date:25-09-2017

LAST DATE OF TENDER SUBMISSION: 28-10-2017, TIME- 5:00 PM

Dr. Alakananda Hajra, Assistant Professor, Department of Chemistry, Siksha Bhavana, Visva-Bharati, Santiniketan, Principal Investigator of SERB-DST Project (EMR/2016/001643) entitled “*Transition Metal-Catalyzed Asymmetric C-H Functionalization: Synthesis of Enantioenriched Building Blocks*” invites sealed tenders in **Two Bid system** (Technical & Financial) for **Supply & Installation of one Organic Synthesizer** (as per details in Annexure-I) from reputed manufacturers and/or their authorized dealers/agents. Before submitting tenders the interested bidders are requested to carefully go through the terms and conditions of the tender notice as detailed below and specifications of the equipment (Annexure-I), to avoid cancellation of the tender.

1. The tenderer should clearly mention whether they are manufacturer or authorized dealer/agent of manufacturers. In the case of dealer/distributor/agent latest letter of authorization from the manufacturer should be submitted along with the technical bid.
2. Technical bid should be enclosed with the copy of following documents
 - i. Trade license, Manufacturing license, Import license (if applicable) and any other licenses required in the related field.

- ii. Company Registration certificate, Partnership deed (in case of Partnership firm), Power of Attorney (if required), Dealership or Authorization certificate (in case of dealer/agent) from the manufacturer.
 - iii. PAN and clearance certificate of VAT, CST, Service Tax, P. Tax. *etc.* as applicable.
 - iv. Credential for dealing with business of above sophisticated scientific equipments for at least three years with list of clients to whom such equipments were supplied including Government organization. Annual turnover should be at least Rs. 25 lakhs during last three consecutive years supported by the Audited Balance Sheet.
 - v. Details of the company from which the Indigenous items (if required) will be procured.
 - vi. Soft copy of the technical bid.
3. **After Sales Service:** Vendors should indicate facilities available for after sales service in the region/India without which their offers are liable to be ignored. The quotation will have to clearly state the available nearest after sales service centre and contact number in India. Relevant software/hardware information in case of updating of the model of the supplied system must be provided.
4. **No Earnest Money Deposit (EMD)**
5. The successful bidder shall furnish an unconditional **Performance Bank Guarantee (PBG) for 10%** of the Purchase Order Value from a scheduled Bank of India, before release of the payment. Else 10% of the billed amount will be deducted as Security Deposit. Where the PBG is obtained from a Foreign Bank, it shall be confirmed by a scheduled Indian Bank and shall be governed by Indian Laws and will be subject to the jurisdiction of courts at Birbhum, West Bengal. The PBG shall guarantee that –
- i. The vendor guarantees satisfactory operation of the equipment and components against poor workmanship, bad quality of materials used, faulty design and poor performance.
 - ii. The vendor shall at his own cost, rectify the defects/replace the items supplied for defects identified during the period of guarantee.
 - iii. This guarantee shall be operative from the date of installation till 60 days after the warranty period.
6. Rates quoted in the price bid should be on door delivery at ***Department of Chemistry, Siksha Bhavana, Visva-Bharati, Santiniketan 731 235.*** It may be noted that **DSIR certificate will be issued and all price components will have to be indicated separately.**
7. AMC cost after expiry of warranty period will also be considered for evaluation of bids though there may be separate contract for AMC.

8. If the equipment is of foreign origin, CIF, Kolkata value and FOB value should be quoted separately in the Price Bid. Please indicate clearly the Indian Agent commission separately which will be paid in INR after satisfactory installation, commissioning and operation of the equipment.
9. Acceptance process of the supplied equipment will be considered complete only after the successful installation and Commissioning of the equipment at Visva-Bharati, Santiniketan.
10. The Tenderer is to indicate cost of other ancillary items which may be required for Pre-Installation and operation of the equipment, separately. Otherwise any delay in installation and operation will be onus of the vendor and any cost in this effect will be borne by the vendor.
11. The bidder is also to indicate charges separately for comprehensive AMC for a period of 5 (five) years including Warranty/Guaranty period. AMC cost beyond warranty/Guarantee period is to be quoted separately.
12. **Warranty** – The bidder should clearly indicate the warranty period which will commence from the date of successful Installation, commissioning and acceptance of the equipment.
13. Financial Bids of those bidder who will be qualified in the Technical bid, will be considered only.
14. Tender for only one model and at par with the specifications given in Annexure-I will be considered as valid tender.
15. The rate offered by the bidder will be valid for at least six months from the date of issue of work order or date of opening of L/C (in case of foreign purchase) whichever is later.
16. In case of quotation received in foreign currency, exchange rate as notified in the newspapers on the date of opening of financial bid will be the basis for preparing the comparative statement. Relevant website can also be seen for spot conversion of foreign currencies.
17. The vendor will arrange for on-site training for operation of equipment at own cost: three days training during installation and additional advanced training for another three days after three months of installation should be provided.
18. **Delivery:** Delivery, installation & commissioning of the equipment are to be completed within 100 days from the date of issue of purchase order.
19. Liquidated Damage @ 0.5% of the total purchase order value, per week will be levied on the vendor for delay in supplies, installation & commissioning of equipment at Santiniketan, subject to a maximum of 10% of the ordered value, beyond which purchase order may be cancelled in toto without any financial liability on the part of Visva-Bharati. The Liquidated Damage so levied will be recovered from the Bill Invoice of the vendor.
20. No price variation will be allowed beyond the original Scheduled delivery for defaults on the part of the supplier. It may be allowed in case of *force measure* or defaults by the University.

21. **Submission of duly** filled and signed compliance certificate as per formats in Annexure –IIA & B are must with the technical bid.
22. Original tender document should be neatly typed or printed and each page will be signed and duly stamped with official seal. In case of Authorized signatory, authorization from the competent authority should have to be submitted.
23. Any correction, deletion or erasures, overwriting should have to be endorsed by the competent authority or signatory otherwise the tender will be liable to be cancelled.
24. Vague, incomplete, confusing or contradicting and conditional tender will be liable to be cancelled without any explanation.
25. The supplier will be liable to dispose post-sale service and will arrange for supply spares, maintenance after expiry of warranty/guaranty offered by the Manufacturer, for a period of at least ten years from the date of installation or the expiry of warranty period whichever is later.
26. Visva-Bharati reserves right to annul/issue any amendments in the tender document or part thereof at any time prior to but five days before the deadline of submission of the tender and such change will be deemed as integral part of the tender. This will be published through Visva-Bharati web-site.
27. The decision of the Technical Committee/Tender Committee will be final.
28. Visva-Bharati reserves right to cancel the work order issued to the successful vendor, fully or partially without assigning any reasons to the vendor and there will be no claim for any compensation to the affected vendor, if it arises out of such cancellation.
29. Effort of any nature to personally influence the Tender Committee's decision will result in cancellation of the bid.
30. Notwithstanding anything contained in any clause of the tender document, the University reserves its right to annul the whole bidding process or to accept or reject all the bids at any time prior to finalization of contract without thereby incurring any liability to the affected bidder/s or any obligation to inform the affected bidder/s about the reason for action by the University.
31. The bidder should quote financial bid both in figure and words. Illegible bid will be liable to be cancelled. The rate indicated in 'word' will be considered for evaluation of lowest bidder.
32. Duly filled in tender may be sent through courier/speed post. Tenders by e-mail/fax and conditional tenders will not be accepted. No personal communication will be entertained and any information regarding the tender will be published on our web-site (www.visva-bharati.ac.in).
33. All disputes will be under the jurisdiction of Suri court at Birbhum district or by a Tribunal consisting of three persons- two from the side of the University and one from the bidder, if agreed by the bidder to settle the dispute out of the court.

34. Tender documents are available from Principal Investigator of the project.
35. The bidder should submit self declaration to ensure that he is free from any encumbrance and has no case of legal conviction of any form.
36. Sealed tender containing two covers for Technical and Financial bid superscribing as “Technical bid for Organic Synthesizer” and “Financial bid for Organic Synthesizer” should be sent in sealed covers superscribing as “Tender for supply of Organic Synthesizer” to Dr. Alakananda Hajra, Department of Chemistry, Siksha Bhavana, Visva-Bharati, Santiniketan 731 235.
37. **Last date of receipt** of sealed tender documents at Visva-Bharati, Santiniketan is 28-10-2017. **Late tender will not be accepted.**
38. **Date and time of opening:** Technical bids will be opened by the Purchase/Tender Committee on 4-11-2017 **at 10:00 AM** at Department of Chemistry, Siksha Bhavana, Visva-Bharati. The tenderers or their authorized representatives may be present during opening of technical bids. Price bids of only those tenders whose technical bids are found suitable will be opened later. Date and time of the same will be intimated to the technically qualified bidders in advance by e-mail/post so as to enable them to be present at the time of opening of their Price Bids.

Genuine Pricing:

Vendor is to ensure that quoted price for the particular item is **not more than the price quoted to any other customer in India**, particularly to Central Universities, IITs/NITs and other Government Organizations. **Copy of the latest price list for the quoted item, applicable in India, must be enclosed with the offer.**

Service centre: Must have full-fledged Service Centre at Kolkata/near Santiniketan; call could attend within working 48hrs.

Availability of spare parts: all spares must be readily available within next 10 (ten) years after expiry of warranty period

ANNEXURE – I**Technical Specification of Organic Synthesizer**

Auto-controlled research organic Synthesizer for all type laboratory reactions. 5 Different reactions should be implemented within the range from 0.5mL to 60mL with wide temperature range from -23 to 160 °C to find best condition of temperature, pressure and effect of catalyst.

A. Synthesizer Process Station: One

Voltage	220V	
Test tube	1-5pcs	
Synthesis scale	0.5-60ml (Variable scale)	
Stirring system	Ferromagnetic stirrer	
Temp. Control range	From -23 to 160 (5x independent control)	
	(50 60ml: 130) *1,*2	
Individual Temp. Control	Temp. difference between to heating block is up to 130	
Accuracy of Temp. control	± 0.5	
Rotation speed range	100-2000rpm(1ml of water: 2000 rpm, 60ml Of water: 1100 rpm)	
Setting temp. display	Sheet key input, digital display	
Setting stirring display	Volume setting, digital display(20 2000rpm)	
Gas flushing	Vacuuming + Infusing Inactive gas *3	
Reflux	Not applicable/Reflux adaptor/cool water manifold *2	
Adding sample	Pipetting, Syringe, dripping funnel (with interchangeable joint).	
Observing reaction	Through the glass on aluminum block	
Safety features	Double chamber, fuse, tray, variable overheat Protector (x5), low liquid level thermo protector.	
Material of liquid contact part	Glass (Teflon)	
End connection to cool water	External diameter: 12mm (hose port)	
Ambient Temp. range	5 to 35	
Dimensions (mm)	465Wx 335Dx 390H (Top ceiling) 800H(pole)	
Net weight	23kg	
Input power	650VA	
Configuration Manifold	Good for all kind of reactions	
Aluminum block	Good for all kind of reactions	
Double chamber	Good for all kind of reactions	
Cooling cartridge	Good for all kind of reactions	
Temp. controller,	Good for all kind of reactions	
Reactor tube with side neck (dia30 NS14/23, GL14), for 30ml sample		5pcs
Dimroth condenser NS14/23, GL14		2pcs
Sealing reaction vessels φ24		10 pcs
Sealing reaction vessels φ16		10 pcs
Screw thread GL14 NS14/23 (10 pcs)		1set
Screw cap GL14 with hole (10 pcs)		1set

Hose connection, Straight (10 pcs)	1set
Drip-proof cover (dia30)	5pcs
Suba seal (silicon rubber, for GL14, 10 pcs)	1set
Septum (natural rubber, for NS14, 10 pcs)	1set
Stirrer bar (Egg shape, dia 10x20H) for dia30 & 34, 5pcs	1set
Keck clip NS14, TS15 metal (10pcs)	1set
Test tube adaptor (dia30)	5pcs

B. CHILLER –CUM CIRCULATOR :One

Circulation method	: Closed loop
Temp. control range	: -20°C to Ambient
Temp. control accuracy	: $\pm 2^{\circ}\text{C}$
Cooling capacity	: 1200W (1030kcal/h) at liquid temp. 10 °C 950W (820kcal/h) at liquid temp. 0°C 650W (560kcal/h) at liquid temp. '-10°C
Pump max. flow (50/60Hz)	: 16/18L/min.
Pump head max. pressure (50/60Hz):	9.5/13m
Temp. control	: Refrigerator ON-OFF control
Temp. setting & display	: Sheet key input digital display
Safety features	: Leak/over current breaker; Refrigerator high pressure switch, Overload relay, Refrigerator protection timer, Fuse for service outlet, Temp. control self diagnosis function, Pump thermal protector .
Refrigerator coolant	: Air cooling, 675W, R407C
Dimensions (mm)	: 340Wx384Dx851H
Bath capacity:	14L
Bath material:	SUS 304
Ambient temp. for operation:	5~35 ⁰ C

C. Peristaltic pump: One

- *Flow conversion display for each tube.
- *Easy program and gradient setting.
- *All-in-one roller set implements one touch roller setting.
- *Two types of tube fixing; conventional fixing screw and constant pressure spring system
- *Highly accurate discharge and high reproducibility of flow volume make the unit suitable for small volume flow.
- * No of Channel : 2
- * No. of Tube: 2
- * Flow rate: 10 to 1450ml/h x 2
- * Silicon tubing

- ❖ **The instrument should have warranty of minimum 1 year from the date of installation. 3 year or more warranty will be preferred.**
- ❖ **Mention also price of other necessary parts.**

Annexure-II

A. COMPLIANCE CERTIFICATE FOR NIT TERMS

(To be enclosed in the Technical bid)

Sl. No.	NIT Terms and Conditions	Yes/No
1.	Rate quoted as per instruction	
2.	AMC rate after warranty provided	
3.	Validity of quoted rate for six months agreed	
4.	Tender fee deposited	
5.	EMD submitted /appropriate certificate enclosed	
6.	PBG term agreed	
7.	Warranty/AMC period specified	
8.	Literature: Printed Literature provided	
9.	Dealership/distributorship certificate (in case of dealers/agents) provided	
10.	Details of supply to other Institutes of National Importance provided	
11.	Details of Technical Support Staff & Branch Offices provided	
12.	Spare parts back-up clause agreed	
13.	Purchase Orders within last 3 years provided	
14.	After Sales Service: address of after Sales Service centre in India (for imported goods)/ in the region provided	
15.	Manufacture certificate provided (in case of OEM)	
16.	Soft copy of Technical Bid provided	

Signature with Seal:

Vendor: M/S

Annexure-II

B. COMPLIANCE CERTIFICATE FOR SPECIFICATIONS

(One for each item must be enclosed in the Technical bid)

Group:		Item Sl. No.	
Quoted Product:	Make:	Model No:	
Specifications as per NIT		Quoted Item Specifications*	Complied/ Deviation
Parameter	Specification		

Signature with Seal:

Vendor: M/S.....

**Vendor must quote the parameter specification of the quoted product in this column and not just copy the specification from the tender call document. Failure to do so will lead to rejection of the tender.*

ANNEXURE - III
PERFORMANCE STATEMENT FORM
 (For a period of last 5 years)
 (To be enclosed in the Technical bid)

Name of the Firm.....

Order placed by (full address of Purchaser)	Order No. and date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any	Has the equipment been installed satisfactorily? (Attach a certificate from the purchaser/Consignee)	Contact person along with Telephone No., Fax No. and e-mail address of the Purchaser

Signature and Seal of the manufacturer/Bidder.....

Place :

Date:

ANNEXURE - IV
PRICE SCHEDULE
(To be enclosed in the Financial Bid)

Purchaser: Dr Alakananda Hajra
 Department of Chemistry, Visva-Bharati

Name of the firm/company		
Address of the firm/company		
Telephone	Mob	Email
Fax		

Sl. No.	Name of equipment/items	Quantity	Basic Rate	Total Amount	Taxes & duties (Please specify)	Freight and Any other Charges (Pl. specify)	Total Value
	(Specify the Brand and Model No.)						

Total Value (In words)

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Note:

1. Vague terms like “packing, forwarding, transportation etc. extra” without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected.

2. Validity of Quotation is to be at least 120 days from the date of opening of Tender.

Date :

Place :

Name & Signature of Authorised Signatory

ANNEXURE V
ORIGINAL EQUIPMENT MANUFACTURER'S (OEM) AUTHORISATION FORM
(on OEM letterhead)
(To be given when OEM is not participating directly in the bid)

To,
Dr Alakananda Hajra
Department of Chemistry, Visva-Bharati

Ref: No. ANH/SERB/NR/2017-18/1 Date:

Subject: OEM authorization of Channel partner of our products quoted in response to the referred NIT

Sir,

We are reputed Original Equipment Manufacturer (OEM) and authorize the undermentioned firm to submit/negotiate the tender, process the same further and enter into the any contract as specified in the NIT for sale and post sale requirements of our quoted equipment.

We further confirm/certify/undertake the following-

The said firm will quote/offer/supply of our OEM products/quoted product at most competitive bidding prices and commercial terms which are settled from time to time based on requirements and market.

Our OEM standard guarantee/warranty shall be applicable for our products which shall be supplied by the said firm.

- (i) Our said authorized firm would sign and execute all required documents complying terms and conditions as laid down in the referred NIT.
- (ii) We also agree to submit all the required certificates including quality certificates for our OEM product and audited financial documents as and when required by the purchaser.
- (iii) In the event of failure on the part of the said authorized firm, the pending liabilities under the terms and conditions of the contract of the referred NIT shall be complied by us.
- (iv) In the event of any change in of the aforesaid matters, the same shall be immediately informed to the purchaser without any delay for fulfillment of the agreed terms and conditions of the purchase procedures.
- (v) Ours and authorized firm details are stated as under-

a) -----

(Name and complete address of main/head office of OEM, including name of concerned contact official, phone no. and email)

b) -----

(Name and complete addresses of all the manufacturing/production Facilities of OEM, across the globe evidencing country of origin of concerned product)

c) -----

(Name and complete address of said authorised firm including name of concerned contact official, phone no. and email)

d) -----

(Present validity period of this authorization/agreement, extendable thereafter)

This authorization has been signed, executed and extended from time to time if any by us, duly signed by our authorized authority who is the competent authority in accordance with the Power of Attorney authorized by our Board of Directors (evidence enclosed).

Enclosure: As stated above

Date:

Place:

Yours' faithfully

(Signature with date, name and designation)

For and on behalf of _____

(Name, address and stamp of the OEM on their letter head)

Copy to

M/s _____

(Name and full address of the authorized firm)

Note: This authorization form should be on the letter head of the OEM and should be signed by a person competent and having the Power of Attorney to legally bind the manufacturer (OEM). (Document evidencing the same to be attached.)

ANNEXURE VI
TECHNICAL PROPOSAL SUBMISSION FORM
(To be printed on Bidder's letterhead)

Date.....

LETTER OF BID

To,
Dr Alakananda Hajra
Department of Chemistry, Visva-Bharati

Ref: No. **Invitation for Bid no. ANH/SERB/NR/2017-18/1** **Date:**

We, the undersigned, declare that:

1. We have examined and have no reservations to the Bidding Documents.
2. We offer to execute the supply order for equipment in conformity with the Bidding Documents.
3. Documents.
4. Our bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. If our bid is accepted, we commit to submit a performance security in accordance with the Bidding Documents.
6. We also declare that Government of India or any other Government body has not declared us ineligible or black listed us on charges of engaging in corrupt, fraudulent, collusive or coercive practices or any failure/lapses of serious nature.
7. We also accept all the terms and conditions of this bidding document and undertake to abide by them, including the condition that you are not bound to accept the lowest bid or any other bid that you may receive within the due dates

Yours sincerely,
Full Name and Designation
(Authorized Signatory)
With Official Seal

*Authorised person shall attach a copy of Authorisation for signing on behalf of Bidding firm / company