

**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY,
ODISHA**



**P.O: Engineering College Burla (Siddhi Vihar), Dist: Sambalpur
Odisha- 768018, India**

Website www.vssut.ac.in E-mail registrar@vssut.ac.in Ph (0663)2430573 Fax-2430592

No. VSSUT/ CHEM/09/2022

Date: 21/01/2022

TENDER CALL NOTICE

Sealed Tenders are invited from the intending reputed Original Equipment Manufacturers/Direct Importers/Registered Authorized Dealers with GST Registration certificate, copy of PAN card for supply of **Equipment's/ Chemical** for **research propose of Chemistry Department of VSSUT, Burla**. This would reach the office of the undersigned through speed or registered post by **04.02.2022**. Detailed information and the tender document are available in the University website www.vssut.ac.in or contact HOD, Department of Chemistry.

Leaf
21/01/2022
REGISTRAR

Memo No. VSSUT/CHEM/ 009(6)/2022

Dated 21/01/2022

Copy to:

- 1) Director I&PR Department, Govt. Of Odisha, Bhubaneswar, with a request to publish the above advertisement in one issue of the Odisha daily edition (ALL ODISHA EDITION) of THE SAMAJ using minimum space at I & PR approved/lowest rates on or before 24-01-2020. The bills may be sent to the Comptroller of Finance, VSSUT, Burla- 768018 in TRIPLICATE along with copies of the paper in which the publication is made, for necessary payment.
- 2) The University/Department Notice Board for publicity.
- 3) Dean F&P, with a request to hoist the tender call notice in the University web site www.vssut.ac.in for wide publicity.
- 4) S O. Accounts, for information and necessary action.
- 5) Steno to Registrar for record.
- 6) Dean SRIC, for information and record

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21/01/2022
REGISTRAR

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SECTION I: INVITATION FOR BIDS (IFB)

Sealed Bids (properly stitched separately) in two separate covers (**Technical Bid and Price Bid**) are invited by the “**The Registrar, Veer Surendra Sai University of Technology, Odisha**” from the manufacturers/authorized distributors/ dealers for supply of Instrument, equipment, machineries etc. of reputed make (National/ International) for the Department of Chemistry, VSSUT Burla, Odisha.

The Bidders may download the **Tender Documents** directly from the website available at <http://www.vssut.ac.in> and the Tender cost fee of Rs.500/- (Non-refundable) by way of separate Demand Draft drawn in favour of “**The Registrar, Veer Surendra Sai University of Technology, Burla**” payable at **SBI, Burla** should be enclosed along with the Bid. The Tender cost fee and the EMD amount should be submitted separately in separate demand drafts. In case of any bid clarification, responsibility lies with the bidders to collect the same from the website and the purchaser shall have no responsibility for any delay/ omission on part of the bidder.

TIME SCHEDULE:

- a) Price of bidding document: Rs.500/- (Non-refundable)
- b) **Date of commencement of downloading bidding document 22.01.2022 at 10 AM**
- c) **Last date and time for Receipt of bids 04.02.2022 up to 5 PM**
- d) PLACE OF OPENING OF TENDER AND ADDRESS FOR COMMUNICATION AND RECEIPT OF BID DOCUMENTS:

THE REGISTRAR

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, ODISHA
At- Burla, Po-Burla Engineering College, Dist-Sambalpur-768018,
Tel. No-0663-2430211 Fax No-0663-2430204

Sd/- REGISTRAR
VSSUT Burla

SECTION-II: GENERAL TERMS AND CONDITIONS

GENERAL TERMS & CONDITIONS OF CONTRACT FOR SUPPLY, INSTALLATION AND DEMONSTRATION OF THE INSTRUMENTS, EQUIPMENT REQUIRED FOR DEPARTMENT OF CHEMISTRY, VSSUT, BURLA, ODISHA.

1. Document Establishing Bidder's Eligibility & Qualification

The Bidders shall furnish as part of the Bid the following Documents establishing Bidder's eligibility and qualification to the Purchaser's satisfaction. Non-compliance of any of these conditions shall disqualify the eligibility.

- 1.1 Manufacturer / Authorized Distributor / Dealer having valid license / certificates for the quoted item and the direct Importers holding valid Import License Manufacturer / Authorized Distributor / Dealer of the product are eligible to participate in the Bid.
- 1.2 The Bidder whether manufacturer/ distributor/ dealer must have experience of supply and installation of the quoted items in **different IITs/ NITs/ Institutes of national repute** during last preceding 3(Three) years reckoned from the date of bid opening and the details must be submitted along with documentary proof.
- 1.3 The Bidders shall have to produce document in support of their service associates **nearest to Bhubaneswar/ Sambalpur**, Odisha.
- 1.4 Bidder shall have to provide operational Training for **Machineries** to one Official of each consignee at Suppliers Plant or Consignee site **at least for 7 days whichever is suitable to Purchaser**.
- 1.5 The Bidder shall quote item of one reputed Brand/model with all accessories in complete to perform functionality of Equipment/Machinery.

2. Document Establishing Goods Eligibility

The instruments and equipment offered against the schedule of requirement of instruments, equipment and Machineries should be in accordance with the stipulated specifications and of one reputed brand/model (**N.B: Variation in specification is allowed up to $\pm 1\%$ in case of Equipment**)

- 2.1 The documentary evidence establishing the brand and the model may be in the form of literature, pamphlets, manuals, drawing circuit diagram etc.
- 2.2 Detailed description of instruments and equipment with essential technical and performance characteristics may also be furnished.

3. Technical Bid (COVER - A)

The following document should be submitted in cover-A

- 3.1 Earnest Money Deposit.
- 3.2 Technical details of the equipment as per **Annexure-V**.
- 3.3 Copy of the manufacturing license/ import license/ Authorized Distributor/ Dealer certificates
- 3.4 Copy of the authorization from the Manufacturing Company in case of Authorized Distributor /Dealer in **Annexure-III** along with Manufacturer Industry Registration and Tax Registration Certificate.
- 3.5 VAT/ST clearance certificate up to **date** where applicable.
- 3.6 Copy of the IT PAN Card.
- 3.7 Detail name, address, telephone no. fax, and e-mail of the firm and of the Director / Managing Director / Proprietor of the firm (As per **Annexure IV**)
- 3.8 Address, Telephone No., e-mail, Fax of the Branch Office/ Contact Person/ Liaisoning Office in Odisha
- 3.9 Power of Attorney/ Authorization to a person for liaisoning and monitoring the business on behalf of the manufacturer / bidder but not entitled to raise the bills.
- 3.10 **The original bid document signed & sealed by authorized person in each page as a token of acceptance of all terms and conditions of the tender with original receipt.**
- 3.11 Any deviation in the specification of the item including standard accessories / optional accessories in complete for functionality of Machine should be marked in **bold letters.** (N.B: **Variation in specification is allowed upto±5% in case of Machineries/Equipments**)
4. **Price Bid (COVER – B)**
 - 4.1 The hard copy of price bid giving the rates for various instruments & equipment and other items should be submitted along with sealed soft copy of **price bid in Excel format through CD/Pen drive** both in separate sealed cover here in after called **Cover B (Price Bid)**. **Price Bid (Cover - B)** of the bidders who qualify in **Technical Bid (Cover – A)** will only be opened and will be communicated through **E-mail/Fax**.
 - 4.2 The price of the each item shall be quoted as per the prescribed Price Schedule Format at **Annexure-I (a) and I (b)** along with price break up of custom duty, Excise Duty, CST, Packing, Forwarding and Handling charges, Insurance charges, ET, Freight up to destination including unloading, VAT, commissioning including testing and training with total price per item at **FOR** destination. The bidders are required to submit the individual price of each instrument(s) and equipment(s) as indicated in the schedule of requirements.

4.3 The **Cover B** of the technically qualifying bidders shall be only opened at the Office of the "The Registrar, Veer Surendra Sai University of Technology, Burla" on the date and time to be communicated to them after technical evaluation of **Cover A** by **E-mail/Fax**.

5 BID CONDITIONS

5.1 The bidders should verify the sites of existing laboratories of Department of Chemistry, VSSUT, Burla and the proposed lay out Plan indicating the location of each unit for necessary Technical Evaluation. The scope of Supply as mentioned in the schedule of requirements if not sufficient for full function of the Equipment/Machinery should be intimated in writing with the technical bid.

5.2 The quoted rate shall not vary with the quantum of order placed or destination point.

5.3 A copy of the original bid conditions and the schedules should be signed by the bidder at the bottom of each page with the office seal duly affixed and returned along with the bid. Bid schedule should be duly filled in with an **index** and **page number** for the documents, enclosures & EMD etc. **Paging** must be done for all the documents submitted.

5.4 Bids should be type written or Computerized and every correction/ over writing in the bid should invariably be attested with signature of the bidder with date before submission of the bids to the authorities concerned. No revision of price upward or downward will be allowed once the bid is opened. However the purchaser shall have the right for considering the exchange rate of foreign currencies on verification of documents.

5.5 Language of Bid

The Bid prepared by the bidders and all correspondence and document relating to the bid exchanged by the Bidders and the *Purchaser*, shall be written in the English language. Supporting document and printed literature furnished by the Bidders may be written in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the English translation shall govern.

5.6 Bid Price

- The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialling, dating and re-writing.
- All duties, taxes, and other levies payable on the raw materials and components, job contract shall be included in the total price.
- VAT in connection with the sale shall be shown separately.

- The rates quoted by the bidders shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- The price shall be quoted in Indian Rupees only.

5.7 GST clearance

Copies of valid GST clearance Certificates shall be furnished by the Bidders and the originals of the above certificates shall be produced to the purchaser before placement of notification of award if asked for by the Purchaser.

5.8 EMD

All bidders are required to submit EMD **not less than 2 % of the quoted amount** in shape of **Demand draft** drawn in favour of **“The Registrar, Veer Surendra Sai University of Technology, Burla” payable at SBI, Burla** only. The EMD shall be in Indian Rupees.

NOTE: Non-submission of EMD or submission of less EMD than the desired one shall result in rejection of Bid. The EMD deposited against other Bids cannot be adjusted or considered for this Bid. No interest is payable on EMD.

5.9 SUBMISSION OF BIDS

Sealing and Marking of Bids

Bid should be submitted in two Bid system containing two parts as detailed below.

Sealed Cover-A: Technical Bid.

Sealed Cover-B: Price Bid (hardcopy & sealed soft copy in CD/pen drive)

Both the sealed envelopes should then be put in one outer cover and each cover should have the following indication:

- i) Reference No of Bid _____
- ii) Bid regarding _____
- iii) Due date & time for submission of the Bid _____
- iv) Due date & time for opening of the Bid _____
- v) Name of the Firm _____

NOTE:

A. Bids submitted without following two Bid system procedures as mentioned above will be summarily rejected.

B. Please Note that prices should not be indicated in the Technical Bid. The Prequalification document including EMD as required in the Bid document should invariable be accompanied with the Technical Bid (Cover A)

The outer envelope shall indicate the name and address of the bidders to enable the bid to be returned unopened in case it is declared "late". If the cover containing the outer envelope is not sealed and marked as required, **Purchaser** will assume no responsibility for the bid's misplacement or premature opening.

The above procedure shall be adopted both for the Technical bid and price bid separately. Telex, cable, email or facsimile bids will be rejected.

5.10 **Deadline for Submission of Bids**

Bids must be received by the **Purchaser** at the address specified not later than the time and date specified in the Invitation of Bids. In the event of the specified date for the submission of bids being declared a holiday for the **Purchaser**, the bids will be received up to the appointed time on the next working day.

The **Purchaser** may, at its discretion, extend this deadline for submission of bids by amending the bid document, in which case all previous rights and obligations of the purchasers and bidders will remain same till the extended date.

5.11 **Modification and Withdrawal of Bids**

No Modification and Withdrawal of Bids is allowed between the interval of time of submission and the last date and time of the bids.

No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidders on the bid form.

5.12 **BID OPENING**

5.13 The **Purchaser** will open Technical bids, in the presence of bidder's representatives who choose to attend at the Office of the "**The Registrar, Veer Surendra Sai University of Technology, Burla**".

5.14 The bidder's representatives who are present shall sign a register evidencing their attendance. In the event of the specified date of bid opening being declared a holiday for the **Purchaser**, the bids shall be opened at the appointed time and location on the next working day.

5.15 The bidder's names, and the presence or absence of the requisite EMD and such other details as the **Purchaser**, at its discretion, may consider appropriate will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the bidders.

5.16 **Acceptance of the Bid**

- Bidders submitting bids would be considered who have considered and accepted all terms and conditions. No enquiries, verbal or written, shall be entertained in respect of acceptance or rejection of the bid.
- Genuine equipment and instrument etc. should be supplied. Bidders should indicate the source of supply i.e. name and address of the manufacturers from whom the items are to be sourced.
 - Supply of equipment means – Installation and Commissioning (except civil works). Demonstration as well as Training at site. **No separate charges will be paid on this account.**

5.17 Rejection of the Bid

The Bid document shall be out-rightly rejected under following stipulation and no correspondence will be entertained whatsoever.

- If the Bidders has not furnished the required **Tender paper cost** and **EMD** or EMD exemption certificate from competent authority.
- If the Bidders has not submitted the Price as per the prescribed format **Annexure-I(a) and I (b)**
- **Manufacturing Authorization Annexure-III and in case of Authorized Distributor / Dealer/Suppliers have to submit Manufacture authorization along with copy of above documents of Manufacture Industry.**
- If the bid is not supplemented with breakup of standard accessories / Optional accessories & cost of AMC separately for three years after completion of warranty period **(In case of major machinery only).**
- Photo copy of the up-to-date valid manufacturing license/ import license (if it is imported) /dealership certificate/Distributor certificate of the product along with Tax registration Certificate of Manufacturer issued from competent authority.
- If the bidders, whether manufacturer or authorized distributor/ dealer have not supplied the required quantity for qualification as per the eligibility criteria and not submitted the performance statement at **Annexure-IV with supporting documents.**
- If the quoted product of the bidders not confirms to technical specification with complete accessories for functional Equipment/Machinery and standard of workmanship required by the Purchaser.
- If the bidder has not furnished technical details of the equipments and machinery with **one make & model** as per **Annexure-V.**
- **If bidder will quote items of more than one make/model.**

- If the bidder has not furnished detailed mandatory drawings, **catalogue/** Foundation drawings & schedule of supply of items, if required.
- If the bidders have not agreed to give **bid validity**.
- If Bidder is not willing to provide operational Training for Machineries to one Official of each consignee at Suppliers Plant or Consignee site **at least for 7 days in case of major machineries whichever is suitable to Purchaser.**

5.18 Purchaser's Right to accept any Bid and to Reject any Bid

The Purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all the bids without assigning any reason thereof at any time prior to award of Contract, without thereby incurring any liability to the affected Bidders or Bidders on the grounds of such action of the purchaser. In case no bidder qualifies as per qualifying criteria and standards, purchaser may at his discretion relax qualification criteria for award of contract.

5.19 Evaluation and Comparison of Bids

The comparison shall be of FOR destination price basis including the price of all costs wherever applicable as well as duties and taxes (**but excluding VAT**) paid or payable on Machineries, instruments & equipment incorporated or to be incorporated in the items including the warrantee/guarantee period from the date of installation.

- The Purchaser's evaluation of a bid will take into account, in addition to the bid price and the price of incidental services.
- The purpose of bid evaluation is to determine substantially responsive bid with the lowest evaluated cost, but not necessarily the lowest submitted price, which should be recommended for award.
- Evaluation of bids should be made strictly in terms of the provisions in the bid document to ensure compliance with the commercial and technical aspects.
- The past performance of the suppliers will be taken into account while evaluating the bids.
- Cost of the inland transportation, insurance and other costs within the Purchaser's Country incidental to delivery of the goods to their final destination;
- **Alternative options of offer shall not be allowed**
- Each Bidder shall submit only one quotation with one make & model.
- The quotation would be evaluated separately for each item
- Sales Tax in connection with sale of goods shall not be taken into account in evaluation.
- Willingness to provide operational Training to one Official of each consignee at consignee site for at least **7 days whichever is suitable to Purchaser.**

6.0 Supply Conditions

6.1 Delivery of Goods

The delivery of goods shall be made by the supplier to the Consignee in accordance to the order placed as shall be detailed in the Schedule of requirements & technical specifications

6.2 Inspection/ Test/Training

The inspection/examination/ test may be conducted in the premises of the Supplier or at the goods final destination or at the premises of the consignee, as will be decided by the Purchaser.

The purchaser's right to inspect/ examine/test & where necessary to reject the instruments & equipment after the arrival of the goods at the final destination, shall in no way be limited or waived by the reason of the goods having been inspected and tested by the manufacturer previously. In case of rejection of the goods at the final destination after inspection and test as stipulated above and in case any inspected/ tested goods fail to confirm to the specification/ working condition, the purchaser may reject them and the supplier shall replace/ repair the same free of cost.

6.3 Warrantee Period (comprehensive)

The Bidders must quote the period of comprehensive **warranty** from the date of completion of the satisfactory commissioning as per (**Annexure-II**). This also includes all accessories related to instruments & equipment quoted for.

6.4 Up time Warrantee

The Bidders should provide uptime guarantee of 95%.

6.5 Downtime Penalty Clause

During the warranty period, desired uptime of 95% of 365 days (24 hours) if downtime exceeds 5%, penalty in the form of extended warranty, double the number of days or more will be applied for which the equipment goes out of service.

In no case the machineries should remain in non-working condition for more than 30 days beyond which a penalty of 0.2% of machine cost will be charged per day.

6.6 Payment Terms

No advance payment will be made by the Purchaser to the supplier for performance of the contract. 100% of the contract price shall be paid within 30 (thirty) days after satisfactory supply, installation, demonstration, Commissioning & training and stock entry of bills of the goods within due date of delivery.

6.7 Transportation

The Supplier shall be required to meet all transport and storage expenses until commissioning of the instrument(s) / equipment covered in the contract

6.8 Taxes and Duties

The Supplier shall be entirely responsible for payment of all Taxes, Duties etc incurred until delivery of the contract goods to the Consignee subject to recovery afterwards in the bill as claimed in the Bid offer.

VAT as applicable is payable, to the suppliers of the State of Odisha if claimed in the Bid offer.

VAT/ CST will be paid to the Suppliers of the outside State other than Odisha, if claimed in the Bid offer. Any revision of VAT/ CST shall automatically be taken into account.

Entry Tax, if paid by the Supplier, at the local (destination head) Corporation/ Municipality/ NAC is allowed once only on production of money receipt for such payment, if claimed in the Bid offer. Any other statutory levy imposed by the Govt. of India/ Govt. of Odisha from time to time will be considered extra on demand with adequate proof thereof. The service tax and the work contract tax shall be levied (Wherever applicable). Income Tax as applicable shall be deducted at source.

6.10 Period of Validity of Bids

- The bid rates should be kept open/ valid for a period of **180** days from the date the Bids are opened.
- A bid valid for a shorter period i.e less than **180** days shall be rejected, as nonresponsive.
- In absence of any indication of the date of validity in the bid, it will be presumed that the offer will remain valid for the minimum period i.e. **180** days as prescribed above.

6.11 Commissioning Period

Maximum commissioning period is **30 days** from the date of supply OR **120 days from the date of issue of Purchase Order** failing which the purchaser will have the right to impose penalty for the delay period @ **0.5% per week of the contract value of item/items excluding taxes from the bill amount subject to maximum of 10%**. However Registrar has right to extend the delivery period/commissioning period in special cases.

6.12 Penalty against Non Supply

In case of non-supply of Stores within the due date i.e. within the date of delivery the EMD deposited by the bidder shall be forfeited

6.13 Jurisdiction of the Court

The Purchaser and the Supplier shall agree that the competent Court at Sambalpur shall have the jurisdiction to try and decide anything between the parties and they may approach the Competent Court at Sambalpur if required at any time.

Leads
21.01.2022
REGISTRAR
VSSUT, Burla

SECTION – III: FORMS AND ANNEXURES

ANNEXURE-I (a)

PRICE SCHEDULE (ITEM WISE) FOR EQUIPMENT

Item Serial No	Item Description	Country of origin with make & model	Quantity & Unit						Total Price (a+b+c+d)
				Exwarehouse/ Ex-showroom/ Off-the-shelf (a)	Packing & Forwarding (b)	Inland transportation, insurance and other local costs incidental to delivery (c)	GST as applicable (d)	Unit price (a+b+c+d)	

ANNEXURE-I (b)

PRICE SCHEDULE (ITEM WISE) FOR EQUIPMENT

Item Serial No	Item Description	Country of origin with make & model	Quantity & Unit					Unit price (a+b+c+d)	Total Price (a+b+c+d)
				Exwarehouse/ Ex-showroom/ Off-the-shelf (a)	Packing & Forwarding (b)	Inland transportation, insurance and other local costs incidental to delivery (c)	GST as applicable (d)		

ANNEXURE - II

WARRANTY MAINTENANCE CONTRACT AGREEMENT.

THIS AGREEMENT made the.....day of, 20___ between the “**The Registrar, Veer Surendra Sai University of Technology, Burla**” (hereinafter "the Purchaser") of the one part and M/s..... (here in after called "the Supplier") of the other part:

WHEREAS the Purchaser invited bids for certain Goods & ancillary services viz, supply and commissioning of the instruments & equipment at Bhubaneswar including Comprehensive Warranty Maintenance Services and has accepted a bid by the Supplier for the instruments & equipment specified below at the Consignee site including Comprehensive Warranty maintenance Services for a period of 2 (Two) year from the date of installation & commissioning of the instruments & equipment as per award of Contract No..... dated

Name of the Equipment & machineries Qty

(To be filled in as per details of goods in the award of Contract)

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. Maintenance Services shall consist of Preventive and Corrective maintenance of equipment specified above & will include repair and replacement of parts free of cost.
2. Preventive maintenance, monthly once, which includes:
 - 2.1 Check-up to ensure that device connection is proper, cabling is at proper condition etc.
 - 2.2 Cleaning of the above instruments & equipments and checking the System Performance.

3. The Supplier is to furnish the tentative schedule of the preventive maintenance of Warranty Maintenance Contract (WMC) to be carried out.
4. The parts replaced must be new parts or equivalent in performance to new parts.
5. The Supplier will also provide the same maintenance service in case of the movement of equipment from the place of original installation to a different place or location, if the equipment is shifted by the Purchaser to another place or location at the cost and risk of the purchaser.
6. Any complaint informed through telephone must be acknowledged with a Complaint No. by the Supplier which will be noted by Consignee. All further contact with the Supplier on such complaint will be initiated through that Complaint No. Once rectification done, that No. will be cancelled by both parties. A register is to be maintained by the Supplier where complaints are to be noted along with Complaint No.
7. The maintenance shall normally be done at the earliest.
8. The Service Engineer of the Supplier will be allowed to handle the respective plant & machineries only in presence of the officer in charge at the Consignee site.
9. The Supplier should ensure that maintenance job is not hampered/delayed due to paucity of spares/inadequate manpower etc.
10. The Supplier should submit the services call report, to the Consignee for each and every service call without fail.
11. The Supplier evaluation data format for the WMC of Consignee systems may be filled up for necessary action.
12. All formats after filled up should be signed at the end of each page by the Supplier.
13. After completion of the work/repair/maintenance, the Purchaser shall issue a certificate of completion to the supplier to that effect.

Signature

For the Purchaser

Name:

Designation:

Address:

Telephone No:

Signature

For the Supplier

Name:

Designation:

Address:

Telephone No:

ANNEXURE-III

MANUFACTURES' AUTHORISATION FORM

No. _____ / Date _____ /

To

The Registrar,
VSSUT Odisha
Burla, Sambalpur.

Dear Sir, Bid No. _____

We _____ who are established and reputable manufacturers of _____ having factories at _____ (Address of Factory) do hereby authorize M/s. _____ (Name and address of Agent) to submit a bid and sign the contract with you against the above bid.

* No company or firm or individual other than M/s. _____ are authorized to bid and conclude the contract in regard to this business against this specific invitation for bid.

We hereby extend our full guaranty and warranty as per general conditions of contract for the goods and services offered by the above firm against this bid.

Yours faithfully,

(Signature for and on behalf of Manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person, competent and having the power of attorney to bind the manufacturer. It should be included original by the Bidders in its bid.

- This para should be deleted for simple items where manufacturers sell the product through different stockiest.

ANNEXURE-IV

DETAILS OF THE BIDDERS

Bid Reference No.

Name and address of the Bidder:

01 Name of the bidder

- a) Full postal address
- b) Full address of the premises
- c) Telegraphic address
- d) Telephone number
- e) Fax number
- f) E mail:
- g) PAN No
- h) TIN No

02 Total annual turn-over (value in Rupees)

03 Quality control arrangement details

04 Test certificate held

- a) Type test
- b) BIS/ISO certification
- c) Any other

05 Details of staff

- a) Technical
- b) Skilled
- c) Unskilled

06 Branch Office/ Contact Person/ Liaisoning Office in Odisha.

- a) Address
- b) Telephone No.
- c) e-mail,

d) Fax

Signature and seal of the Bidder

ANNEXURE-V

Technical details of the Equipments to be supplied by the bidder

Bid SI No. of the item	Tender specification	Bidders Specification with make and model no (Enclose manufactures catalogue / brochure for each item)	Deviation if any With university specification

Signature and seal of the Bidder

SECTION-IV: SCHEDULE OF REQUIREMENTS AND TECHNICAL SPECIFICATIONS

List of Equipment

Sl. No.	Name of instruments/Equipments/ Quqntity	Specification
01	<p>LCR Meter along with High Temperature Measurements</p> <p>Quantity (01)</p>	<p>LCR Meter with Four Terminal Probe along with computer Interface and Software</p> <p>Measurement Parameters: Z (Impedance), Y (Admittance), θ (Phase Angle), X (Reactance), G (Conductance), B (Susceptance), Q (Q-factor), Rdc (DC Resistance), Rs (Equivalent series resistance (ESR)), Rp (Equivalent parallel resistance), Ls (Equivalent series inductance), Lp (Equivalent parallel inductance), Cs (Equivalent series capacitance), Cp (Equivalent parallel capacitance), D (Loss factor $\tan \delta$), σ (Conductivity), ϵ (Permittivity)</p> <p>Measurement Conditions: Variable Frequency: 1 mHz to 5 MHz (Accuracy: $\pm 0.01\%$) Variable Voltage: 10 mV to 5 V rms Variable current: 1 μA to 100 mA rms Internal DC Bias: 0 V to +5.0 V Measurable Range: 1 mΩ to 100 MΩ (Impedance)</p> <p>Accuracy: Z: $\leq \pm 0.05\%$ rdg., θ: $\pm 0.05^\circ$</p> <p>Interface: Extension I/O (Handler) ,USB, USB Flash Drive, LAN, GP-IB, RS-232C, BCD output Compatible Frequency Range Test Fixture Four Terminal Type (1 Meter Long) with BNC connectors Desktop with Core i5 (11 Generation) Processor, 8 GB RAM with Applicable Software for LCR Meter Measurement</p>

		<p>High Temperature Attachment Furnace Temperature: $\geq 600^{\circ}\text{C}$ PID Temperature Controller Sample Holder for Solid Samples PC Interfacing Hardware and Software</p> <p>Price shall be inclusive of packing, forwarding, freight, delivery at door, insurance, installation and demonstration with warranty inclusive of all duties and taxes. As per DSIR Certificate.</p>
02	<p>Metal Fume Hood (6 Ft.)</p> <p>Quantity (01)</p>	<p>Dimensions - Overall Dimensions : 1800mm(Length)\times900mm(Depth)\times2400mm(Height) (with base Cabinet)</p> <p>Fume Hood Dimension: 1800mm(Length)\times900mm(Depth)\times1600mm (Height)</p> <p>Fume Hood working Dimension: 1550mm(Length)\times650mm(Depth)\times1100mm (Height)</p> <p>Design Basis: Floor Mounted. Design Structure: Aerodynamic. Materials of Construction of superstructure: Body made of Prime Quality MS CRCA sheet with epoxy power coated paint.</p> <ul style="list-style-type: none"> <input type="checkbox"/> 1.0 mm thickness for all sheet metal panelling <input type="checkbox"/> 1.2 mm for back pillars <input type="checkbox"/> 1.2 mm for front corner post <p>Interior Construction: Chemical & heat resistant, fire retardant, smooth finish, easily cleanable panels made out of non-metallic non-corrosive sheet 6 mm thick. ASTM flame spread index < 25.</p> <p>Kinetic Exhaust System: Interstitial 3-point suction system (for light, normal & heavy fumes) with baffle to ensure smooth and immediate exhaust of fumes.</p> <p>Airfoil: Aerodynamic Design, Horizontal fixed airfoil mounted on the worktop made of SS 304 Grade powder coated (1.2 mm).</p> <p>Apparatus Holding Grid: Grid will be made up of Duralumin powder coated 12.7mm diameter rod. Net size will be 150 mm \times 150 mm square. It will fix the entire length of fume hood back portion. The distance of Grid will be 150mm from back side of Fume Hood.</p> <p>Sash (shutter): Vertical rising counter-balanced sash. Transparent Glass 5 mm. Smooth and light sash operation. Clear open able Height – 700mm.</p> <p>Work Top: Chemical resistant splash & spillage proof dished 'Black Natural Granite' worktop. Skirting of 15 mm from all sides for no chemical spillage.</p> <p>Sink Arrangement: 2 No. PP Cup Sink Size – 100 mm \times 200 mm will be fix on right back side of Work top and sealed with silicon sealant.</p> <p>Service Valves: Forged Brass body. Plastic constructed colour coated knobs. Angular shape serrated nozzle with epoxy coated forged brass construction.</p> <p>Water – Nylon braided PVC Hose.</p> <p>Internal wiring with Electrical Accessories –</p> <ul style="list-style-type: none"> <input type="checkbox"/> 1 No. Reputed make Motor Starter ON/OFF DOL type. <input type="checkbox"/> Electrical Socket & Switch (Havells or equivalent make).

6/16A, 230V, 50Hz.

Switch Qty. – 2 Nos. Socket Qty. – 2 Nos.

MCB (Havells or equivalent make), 16A, 2 Pole. Qty. – 1 No.

Lighting Switch (Havells or equivalent make), 5A. Qty. – 1 No.

Illumination –

01 No. Fluorescent light set (30-35 watts) with vapour proof fittings for proper illumination instantly approx 400 lux at working area. Inner chamber and the light are separated by a glass of 4 mm thickness.

Fume Hood Storage Cabinet-

Apparatus Storage Base Cabinet : Apparatus Storage Base Cabinet features:

Complete made up 1.2 mm thick Epoxy Coated CRCA Sheet.

One removal type Horizontal Shelf.

Double skin hinged door with SS hinges chemical resistance hassle free operation.

Overall Dimension: 900 mm W × 450 mm D × 700 mm H

Chemical Storage base cabinet: Chemical Storage base cabinet features:

Complete made up 1.2 mm thick Epoxy Coated CRCA Sheet.

Cabinet integral work will be special lamination by epoxy resin. Chemical & heat resistant smooth finish. easily cleanable.

Double skin hinged door with SS hinges chemical resistance hassle free operation. One exhaust port will be connected with Fume Hood internally.

Overall Dimension: 900 mm W × 450 mm D × 700 mm H

Centrifugal Blower -

Blower Type: Centrifugal Blower FRP lining body. Capacity of blower is sufficient for maximum distances of 10 meters.

Impeller: Fully molded PP impeller

Blower Stand: MS Angle with Epoxy Powder coating.

		<p>Air Volume: 1000 CFM (Designed for Full door opening).</p> <p>Coupling: Direct</p> <p>Balancing: Dynamically</p> <p>Noise Level: Noise Level < 60 db.</p> <p>Motor –</p> <p>Motor Brand: Crompton / Bharat Bijlee 1 HP, 2800 RPM.</p> <p>Power Required: Three Phase, 440V.</p> <p>Exhaust Duct –</p> <p>Rigid & Flexible PVC duct pipe of 150 mm dia with suitable elbow for a length of 5 meters will be supplied with the system. Extra materials like Exhaust Chimney with weather cowl, bends flanges, brackets etc. will be supplied with the system at free of cost.</p> <p>Price shall be inclusive of packing, forwarding, freight, delivery at door, installation and demonstration with warranty inclusive of all duties and taxes. As per DSIR Certificate.</p>
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List of Chemicals/ Instruments:

Note: All chemicals should must have more than 99.99% pure and sigma Aldrich is more favorable.

(1) Chemicals 1 to 103 is provided separately as per table 1.

(2) Chemicals 1 to 127 is provided separately as per table 2.

Don't mix table 1 and table 2, it is mandatory.

Table 1: Chemical 1 to 103.

Sl No	Name of Chemicals	Quantity
1	L-Lysine monohydrochloride	100gm
2	L-Histidine	25gm
3	L -Leucine	25 gm

4	L-Tryptophan	25gm
5	L-Threonine	25gm
6	L-Valine	25gm
7	L-Cysteine	25gm
8	L-Arginine Monohydrochloride	25gm
9	L-Isoleucine	25gm
10	Phenylalanine	500gm
11	L-Tyrosine	100gm
12	Glycine	250gm
13	L-Aspartic acid	100gm
14	L-Proline	5gm
15	L-Glutamic acid	100gm
16	L-Alanine	100gm
17	L-Glutamine	100gm
16	L-Serine	100gm
17	L-Asparagine Monohydrate	100gm
18	DMSO (HPLC)	5 lit
19	THF(HPLC)	5 lit
20	Acetonitrile(HPLC)	5 lit
21	Methanol(HPLC)	20 lit
22	Acetone(HPLC)	5 lit
23	DMF(HPLC)	5 lit
24	Piperazine	100gm
25	Piperidine	500ml

26	Imidazole	100gm
27	Benzaldehyde	500 ml
28	Anisaldehyde	250 ml
29	Cinamaldehyde	500 ml
30	Vaniline	100 gm
31	O-Tolualdehyde	25gm
32	4-Ethylbenzaldehyde	25gm
33	Cuminaldehyde	4gm
34	4-Isobutylbenzaldehyde	25ml
35	2,4-Dimethylbenzaldehyde	10ml
36	3,4-Dimethylbenzaldehyde	5gm
37	2,4,6-Trimethylbenzaldehyde	25ml
38	2-phenylpropionaldehyde	100gm
39	veratraldehyde	500gm
40	Phenylacetaldehyde	25ml
41	Trans cinnamaldehyde	25gm
42	2-hydroxybenzaldehyde	5ml
43	2,3-dihydroxybenzaldehyde	5gm
44	2,4-dihydroxybenzaldehyde	25gm
45	2,3,4-trihydroxybenzaldehyde	5gm
46	p-Phenylbenzaldehyde	5gm
47	2-Chloro benzaldehyde	500 ml
48	3- Chloro benzaldehyde	100gm

49	4-Chloro benzaldehyde	100gm
50	4-Fluoro benzaldehyde	100gm
51	2,6-Difluoro benzaldehyde	5gm
52	4-Nitro benzaldehyde	100gm
53	3-Nitro benzaldehyde	100 gm
54	2-Nitro benzaldehyde	100gm
55	benzidine	1gm
56	4-(Diphenylamino)benzaldehyde	5gm
57	p-phenylenediamine	50gm
58	1-aminopyrene	1gm
59	2-hydroxy-1-naphthaldehyde	25gm
60	o-tolidine	25gm
61	2-amino phenol	250gm
62	3-amino phenol	100 gm
63	4-amino phenol	250gm
64	2-hydroxy-1-naphthaldehyde	25gm
65	2-amino-3-methylpyridine	100gm
66	2-amino-4-methylpyridine	100gm
67	2-amino-5-methylpyridine	100gm
68	4-hydroxybenzaldehyde	100gm
69	4-(Diethylamino)salicylaldehyde	5gm
70	1-pyrenecarbaldehyde	10gm

71	4-dimethylaminocinnamaldehyde	2gm
72	9-Formyl-8-hydroxyjulolidine	1gm
73	4-diethylamino-salicylaldehyde	5gm
74	6-Bromo-3-fluoro-2-formylpyridine	1gm
75	2-quinolinecarboxaldehyde	1gm
76	4-(4-Piperidiny)-2-(trifluoromethyl)pyrimidine	500gm
77	3-hydroxy-2-naphthoic hydrazide	25gm
78	4-ethoxy-2-hydroxy-benzaldehyde	100mg
79	Dibenzo[b,d]thiophene-4-carbaldehyde	1gm
80	2-hydrazinobenzothiazole	5gm
81	3,5-diamino-1,2,4-triazole	25gm
82	syringaldehyde	25gm
83	Benzo[b]thiophene-2-carboxaldehyde	5gm
84	3-amino-2-phenyl-4(3H)-quinazolinone	1gm
85	pyridoxal hydrochloride	5gm
86	1-aminoanthracene	1 gm
87	3,5-di-tert-butyl-2-hydroxybenzaldehyde	5gm
88	3-formylchromone	5gm

89	4-(2-aminoethyl) morpholine	100gm
90	5-amino-1,3,4-thiadiazole- 2-thiol	50gm
91	Phthalaldehyde	10gm
92	Conical Flask 50 ml	20
93	Beaker 50 ml	20
94	Test tube 1 packet	01
95	Measuring cylinder 20 ml	05
96	Wash bottle	05
97	R B flask 50 ml	20
98	Volumetric cylinder 10 ml	20
99	Magnetic rod	01
100	Dichloromethane	5 lit
101	Titanium Aluminium Carbide (Ti_3AlC_2) MAX Phase 312 Powders ($\geq 90\%$, $\leq 50 \mu m$ Particle Size)	25 gm
102	Titanium Aluminium Carbide (Ti_2AlC) MAX Phase 211 Powder ($\geq 90\%$, $\leq 50 \mu m$ Particle Size)	25 gm
103	Halloysite Nanoclay ($Al_2Si_2O_5(OH)_4 \cdot 2H_2O$) Powder (≥ 100 nm Diameter, $\geq 5 \mu m$ Length)	100gm

Table 2: Chemical 1 to 127.

S.No	Chemical name	Weight /Volume	Number of units
1.	Acetaldehyde	500ml	1
2.	4-Acetamidophenol	100G	1
3.	Acetic Acid	500ml	1
4.	Acetone	2.5Lit	4
5.	Ethyl acetate	2.5Lit	4
6.	Hexane	2.5Lit	4
7.	Acetonitrile	2.5Lit	4
8.	Acetyl Chloride	500 ml	1
9.	Acetyl Choline Chloride	10 gm	2
10.	1-Acetyl-4-Piperidone	5 gm	2
11.	2-Acetyl Pyridine	25 gm	2
12.	3-Acetyl Pyridine	100ml	2
13.	Acridine Orange	5G	2
14.	Allyl Alcohol	500 ml	2
15.	Allyl Bromide	500 ml	2
16.	m-Amino Benzoic Acid	100 gm	2
17.	p-Amino Benzoic Acid	100 G	2
18.	4-Amino Azobenzene	100 G	2

19.	2-Amino Pyridine	100 G	2
20.	3-Amino Pyridine	100G	2
21.	4-Amino Pyridine	25G	2
22.	2,4-Xylidine	250ml	1
23.	3,5-Xylidine	100ml	1
24.	N,N-Dimethyl Aniline	500 ml	1
25.	4-(Dimethylamino)pyridine	100G	1
26.	Palladium Chloride (Pd 59-60%)	1G	3
27.	Palladium on Activated Charcoal	10G	3
28.	Propargyl bromide solution: 80 wt. % in toluene,	50G	1
29.	1-Bromo-2-butyne	5G	2
30.	Palladium (II) Acetate	1G	3
31.	2-Bromo Aniline	25G	2
32.	3-Bromo Aniline	25ml	2
33.	4-Bromo Aniline	25G	2
34.	2-Bromo Anisole	100ml	1
35.	3-Bromo Anisole	100ml	1
36.	4-Bromo Anisole	100G	1
37.	2-Bromo Acetophenone	25G	1
38.	3-Bromo Acetophenone	25G	1
39.	4-Bromo Acetophenone	25G	1

40.	3-Chloro Phenyl Boronic Acid	5G	1
41.	3-Furanboronic Acid	1G	2
42.	Phenyl Boronic Acid	25 G	1
43.	4-(Trifluoromethoxy) Phenyl Boronic Acid	5G	1
44.	Benzyl Bromide	100G	1
45.	4-(Trifluoromethoxy)benzyl bromide	5G	1
46.	4-(Trifluoromethylthio)benzyl bromide	5G	1
47.	2-(Trifluoromethyl)benzyl bromide	5G	1
48.	3-(Trifluoromethyl)benzyl bromide	5G	1
49.	4-(Trifluoromethyl)benzyl bromide	5G	1
50.	Bromo Acetyl Bromide	100G	1
51.	Carbazole	500G	2
52.	Iodine Resublimed	100G	1
53.	Methyl-2-Amino-5-Bromobenzoate	25G	1
54.	Methyl-4-Bromobenzoate	25G	1
55.	Methyl-4-Bromo-Crotonate	100ml	1
56.	1,3,5-Tribromobenzene	25G	1
57.	2,4,6-Tribromophenol	100G	1
58.	Bromo Acetaldehyde Dimethylacetal	100G	1
59.	4-Bromo Acetanilide	100G	1
60.	2,4'-Dibromoacetophenone	100G	1
61.	3-Bromotoluene	50ml	1
62.	4-Bromobenzaldehyde	100G	1
63.	Isopropyl 2-bromoisobutyrate	100ml	1
64.	Bromodiphenylmethane	100G	1

65.	Isopropyl 2-bromoisobutyrate	100ml	1
66.	N-Bromosuccinimide	100G	1
67.	N-Idosuccinimide	100G	1
68.	2-Methyl Tetrahydrofuran	2.5L	1
69.	3-Nitro-benzeneboronic acid	5G	1
70.	4-Hydroxyphenylboronic acid	5G	1
71.	3,5-Dichloro Phenyl Boronic Acid	5G	1
72.	2-Hydroxy Acetophenone	100ml	1
73.	3-Hydroxy Acetophenone	25G	1
74.	4-Hydroxy Acetophenone	100G	1
75.	Kojic Acid (5-Hydroxy-2-Hydroxymethyl -4-Pyranone)	5 gm	1
76.	3-Methoxy Acetophenone	100G	1
77.	4-Methoxy-2-Hydroxy Benzophenone	100G	1
78.	4-Methyl Acetophenone	100G	1
79.	4-Methyl Benzophenone	100G	1
80.	3-Methyl-1-Phenyl-5-Pyrazolone	100G	1
81.	Barbituric Acid	500G	1
82.	Phosphorous Oxychloride	100ml	1
83.	Tetrabutyl Ammonium Bromide	100G	1
84.	Tetrabutyl Ammonium Chloride	250G	1
85.	Tetrabutyl Ammonium Iodide	100G	1
86.	Toluene	2.5L	1
87.	1,4-dioxane	2.5L	1
88.	Dimethyl sulphoxide (DMSO)	2.5L	1

89.	Cyclopentylamine	100G	2
90.	Tetrabutyl Ammonium Dihydrogen Phosphate	5G	1
91.	Tetra Butyl Ammonium Hydrogen Sulphate	25G	1
92.	N-Cetyl-N,N,N-Trimethyl Ammonium Bromide (CTAB)	25G	1
93.	Benzyl Tributyl Ammonium Bromide	25G	1
94.	Cesium Carbonate	25G	1
95.	Tetrakis (Triphenylphosphine) Palladium(O)	5G	1
96.	Triphenyl Phosphine	100G	1
97.	Ethyl Bromo Acetate	250ml	1
98.	1,4-Diazabicyclo (2.2.2) Octane	100G	1
99.	1:8-Diaza Bicyclo Undecene	25ml	1
100.	Zinc Metal Dust	500G	1
101.	Lithium Hydroxide Monohydrate	100G	1
102.	HATU for Peptide Synthesis [O-(7-Azabenzotriazol-1-yl)- N,N,N,N-Tetramethyl-Uronium Hexafluorophosphate]	1G	1
103.	Triethyl amine	100ml	1
104.	N-(4-Formylphenyl)carbazole	5G	1
105.	9H-Carbazole-9-ethanol	5G	1
106.	2-Hydroxybenzo[a]carbazole-3-carboxylic acid sodium salt	100G	1
107.	2,3,4,9-Tetrahydro-1H-carbazole-1-	1G	1

	carboxylic acid		
108.	2,7-Dibromo-9H-carbazole	1G	1
109.	9H-Carbazol-2-yl trifluoromethanesulfonate	5G	1
110.	[9-(4-Bromophenyl)]-3,6-di- <i>tert</i> -butyl-9H-carbazole	1G	1
111.	<i>t</i> BuXPhos: <i>t</i> -Bu XPhos, 2-Di- <i>tert</i> -butylphosphino-2',4',6'-triisopropylbiphenyl, <i>t</i> BuXPhos, <i>tert</i> -Butyl XPhos	5G	1
112.	N-Methylpyrrolidone	2G	1
113.	Lithium bis(trimethylsilyl)amide	10G	1
114.	Tris(dibenzylideneacetone)dipalladium(0)	5G	3
115.	HCTU: O-(1H-6-Chlorobenzotriazole-1-yl)-1,1,3,3-tetramethyluronium hexafluorophosphate	100G	2
116.	HBTU: <i>N,N,N',N'</i> -Tetramethyl- <i>O</i> -(1H-benzotriazol-1-yl)uronium hexafluorophosphate, <i>O</i> -(Benzotriazol-1-yl)- <i>N,N,N',N'</i> -tetramethyluronium hexafluorophosphate	25G	1
117.	<i>N,N</i> -Diisopropylethylamine	100ml	1
118.	3-Ethylcarbazole	1G	1
119.	1-(6-Chloro-9-methyl-9H-carbazol-3-yl)ethanone	1G	1
120.	9-ISOPROPYL-9H-CARBAZOLE	50mg	1
121.	9-BUTYL-9H-CARBAZOLE	1G	1
122.	2-Trifluoromethyl-9H-carbazole	1G	1
123.	9-(2-Ethylhexyl)carbazole	1G	1

124.	11 <i>H</i> -Benzo[<i>a</i>]carbazole	1G	1
125.	3- <i>tert</i> -Butyl-2,3,4,9-tetrahydro-1 <i>H</i> -carbazole-6-carboxylic acid	1G	1
126.	9-(2-Ethylhexyl)carbazole-3,6-dicarboxaldehyde	1G	1
127.	2-Chloro-7-cyclopentyl-7 <i>H</i> -pyrrolo[2,3- <i>d</i>]pyrimidine-6-carboxylic acid	1G	1