



**NATIONAL INSTITUTE OF TECHNOLOGY
RAIPUR – 492 010, CHHATTISGARH**

Open(Advertised) Tender for Purchase of Equipments - Two Bid System

Department: Mechanical Engineering

Enquiry No: NITRR/S&P/ME/OT/2021/917

Date:06/09/2021

Important Dates

To

Event	Date	Time
Last Date of submission of quotation	29/09/2021	06:00PM
Technical bid Opening date	01/10/2021	04:00PM
Price (financial) bid Opening	To be Informed to technically successful bidder by mail and phone.	

Dear Sir,

We intend to purchase the commodities specified in this document and invite quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly submit your offer with prices and complete terms within the time mentioned above through our e-tender portal www.tenderwizard.com/NITR .Tender will be accepted online only & no other mode will be accepted.

Yours sincerely,

Registrar
National Institute of Technology,
Raipur

Enclosed:

- (1) Bid Document - Instruction to bidder - containing detail terms and conditions.
- (2) Acceptance of terms & conditions of tender-Annexure 1
- (3) List of Equipment's/machines/commodity etc.- Annexure 2
- (4) Technical Specification – Annexure 3
- (5) Technical Compliance Format- Annexure 4
- (6) Price Bid Format in INR – Annexure 5
- (7) Price Bid Format in of imported items in currency other than INR -Annexure 6
- (8) Deviation statement form - Annexure 7
- (9) Bidder information & check list- Annexure 8

BID DOCUMENT**INSTRUCTION TO BIDDER**

1. Please go through the enclosed "bid document" carefully for other bidding instructions.
2. **IMPORTANT NOTE:** Being a Two-Part Tender (techno-commercial and price bid), fax quotations will not be accepted. Please ensure your offers are received on or before tender due date and time. Bidder/ Tenderer are requested to download the tender documents from our website (www.nitr.ac.in) & e-tendering portal i.e. www.tenderwizard.com/NITR and submit tender fee of amount ₹ 1180/- (inclusive of GST) through online mode in our e-tendering portal i.e. www.tenderwizard.com/NITR. **Kindly note that if any bidder wants to quote for more than one item in the tender then he has to pay tender fee only once at first and for later he will be exempted to pay tender fee for another items (have to select exempted option on payment page). If any vendor paid more than one tender fee in case of multiple items then the excess payment will not be reversed, so please be careful while submitting the bid.**
 - **Quotations received without tender fee will not be considered.**
 - No request for extension of the due tender date will be considered.
 - In the event any date indicated above is declared as holiday, the next working day at Institute shall be considered as the due date for receiving & opening of tenders.
 - The bids shall be opened on date and time as mentioned above. The bidders may send their authorized representatives to attend the bid opening, if they so desire.
 - Bids received after the deadline of receipt indicated above, shall not be taken in to consideration.
3. The bid should remain valid for a period of **180 days** from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation. Validity period may also be extended without change in bid prices, if required on mutually agreed basis only.
4.
 - (a) **In the tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. In the event of simultaneous bidding by both Principal/OEM and Indian agent; the bid submitted by the Indian agent will not be considered.**
 - (b) **If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for same item/product. In the event, an agent submits the bids on behalf of more than one Principal/OEM for the same item in same tender, then all such bids will not be considered.**
5. **Clarification of bidding documents:** If a prospective bidder requires any clarification in regard to the bidding documents, they may mail to

storenpurchase@nitrr.ac.in (for Commercial terms) and hod.mech@nitrr.ac.in, skdewangan.mech@nitrr.ac.in (for Technical queries) at least 15 days before the deadline for receipt of bids.

6. **Submission of bids: Bidders have to submit their bid through E-tendering mode only at website www.tenderwizard.com/NITR.**
7. Financial Bid (Microsoft Excel File) is to be downloaded from website www.tenderwizard.com/NITR and then is to be filled, saved and uploaded (through digital signature) on the same website and not to be submitted in hard copy at all.
8. The Financial Bid (after filling the rates) should neither be scanned & uploaded, nor, the hard copy of the same should be submitted to NIT Raipur office.
9. **The complete Tender document can be viewed and downloaded only from the website(www.tenderwizard.com/NITR) & www.nitrr.ac.in during the tender sale period. The intending bidders should submit the tender documents sale price & tender processing fee, through e-payment, at the time of making online request.**
10. Complete tender papers, duly accompanied with receipts of e-payment of tender cost, EMD shall be received online as per date and time mentioned. Tender shall be opened through Etendering systems, in presence of bidders or their authorized representatives.
11. Complete tender documents must be submitted on or before **as per schedule mentioned through E-Tendering mode only at website i.e. www.tenderwizard.com/NITR.**
12. Tenderers are advised to complete all submission related work well before last date for submission of tender online. Any request for modification in the time/date of submission of tender due to tenderer's failure to submit his offer, will not be accepted. Tenderer must try to submit their bid prior to last date to avoid any failure.
13. **To participate in the E-tender, it is mandatory for the bidders to have user ID & password, which has to be obtained by submitting an annual registration charges of Rs. 2000/- +GST @ 18% to ITI, through e-payment. Also it is mandatory for all bidders to have class 3 digital signature certificates from any of the CCA (Controller of Certifying Authority, India) or if any support required on DSC, Please contact back to us. (Helpdesk No. 011-49424365, 8800991863)**
14. The bid along with necessary documents should be uploaded only on the www.tenderwizard.com/NITR portal as per guidelines mentioned in the portal. Tender have to be submitted only online at <https://www.tenderwizard.com/NITR>. All documents in support of eligibility criteria etc. are also to be scanned and uploaded along with the tender documents. Tender sent by any other mode will not be accepted.
15. **Amendment of Bidding Documents**
 - o Corrigendum, if issued any for the tender, shall form part of the Tender Document. Corrigendum will be posted on NIT RAIPUR website

(www.nitr.ac.in.) & www.tenderwizard.com/NITR . Bidders/Tenderers are requested to visit NIT RAIPUR website regularly and note the corrigendum / amendments to the tender without fail and submit the offer accordingly. NIT RAIPUR will not be responsible for ignorance of corrigendum.

- o At any time prior to the deadline for submission of bids, the Institute may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder/Tenderer, modify the bidding documents by amendment. The same would also be hosted on the website of the Institute and all prospective bidders/tenderer are expected to surf the website before submitting their bids to take cognizance of the amendments. Bidder/Tenderer who has submitted bids before publishing the amendment may revise their bid incorporating the amendments before the last date of tender.
- o In order to allow prospective Bidder/Tenderer's reasonable time in which to take the amendment into account in preparing their bids, the Institute, at its discretion, may extend the deadline for the submission of bids and host the changes on the website of the Institute.

16. Custom duty: The NIT Raipur have registration in Department of Scientific & Industrial Research(DSIR).

17. Bid Security (BS)/(Earnest Money/ EMD)

- I. The Bidder/Tenderer shall furnish, as part of its bid, a bid security (BS). **The EMD/Bid security should be submitted online only through e-tendering portal i.e. www.tenderwizard.com/NITR.** The EMD amount will be as follows:-

S.N.	Name of Equipment	EMD Amount
1	Portable Handheld Air Quality Monitoring System	`15000/-
2.	Composite Mould - VARIM for Epoxy Resin System	` 24000/-
3.	30kV, 20mA Regulated DC Power Supply	` 6000/-
4.	3D Scanner for Reverse Engineering Activities	` 21000/-

- II. In the case of foreign bidders/tenderers, the BS shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders/tenderers; the BS shall be submitted by the manufacturer or their specifically authorized dealer/Bidder/Tenderer.

III. Any bid without EMD or bid not secured in accordance with above will be rejected by the Institute as non- responsive.

- IV. The bid security of unsuccessful Bidder/Tenderer will be discharged /returned as promptly as possible but not later than 30 days after the expiration of the period of bid validity or placement of order whichever is later.

- V. The successful Bidder/Tenderer's bid security will be discharged upon the Bidder/Tenderer furnishing the performance security.

VI. The firms registered with DGS&D & NSIC, if any, are exempted from payment of BS provided such registration includes the item they are offering which are manufactured by them and not for selling products manufactured by other companies.

VII. The bid security may be forfeited:

- (a) If a Bidder/Tenderer withdraws or amends or impairs or derogates its bid during the period of bid validity specified by the Bidder/Tenderer on the Bid Form; or

18. Sealing and Marking of Bids:

In a two bid system All Bidders/Tenderers are requested to follow carefully the following instructions before preparing their offer.

Part I: Technical & Commercial Bid

Part – (a) Technical

- (i) This part should contain detailed specifications of the items quoted by you along with technical literature and leaflets.
- ii. A compliance statement showing the compliance of the item quoted by you with that of item tendered by us should be prepared and enclosed to this.
- iii. Any other information called for in the tender related technical and commercial specifications can also come in this part.
- iv. Prices should NOT be indicated in this cover.

Part – (b) Commercial terms: (WITHOUT PRICE)

- i. The commercial terms applicable for the items quoted by you should be indicated in this part.
- (ii) If any compliance statement is called for the commercial terms/contractual terms and conditions, the same is to be attached in this part.
- (iii) ***Prices should NOT be indicated in this part. However a copy of the price bid (without prices) must be enclosed in this part to enable to understand whether all the items required to be quoted by you have been quoted in the price bid.***
- iv. The Commercial terms such as delivery terms, delivery period, payment terms, Warranty, validity of the offer, installation & commissioning, duties and taxes etc., shall come into this.
- v. The Tenderer/ bidder need to upload the following certificates along with the Tender Documents to confirm their eligibility in this part :
 - Proof of establishment of Firms/shop/business/ manufacturing unit etc. or Goods and Service Tax Registration Certificate(REG-06 Format), whichever applicable.(Clear visible scanned copy)
 - The bidder should Photocopy of PAN card issued in the name of the bidder's firm. .(Clear visible colored scanned copy)

Note:

- Technical Specifications and terms & conditions as above should be very clearly reflected item-wise with reference to the items called for in the tender.

- **The bidders must have to upload acceptance of tender terms & conditions duly sealed & signed in e-tendering portal(As per Annexure-I).**
- Please note that the PRICE SHOULD NOT BE indicated in this part.

Part II: Price Bid

The prices applicable for the items, item-wise in response to the tender shall come into this part in the prescribed format only. ***Bid will be rejected if rates are not quoted in the prescribed format.***

- i. Tenderer shall indicate very clearly item-wise prices with reference to their technical offer.

19. The bidders should quote their offer / rates in clear terms without ambiguity.
20. The rates should be quoted both in figures and words and legibly written without any over-writings. In case of any correction, the same must be attested by the bidder with full signature. However, no over-writing is permissible. Manufacturer's price-list, where applicable, should be submitted along with the bid.
21. In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
22. Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.
23. The bidder has to sign in full at all pages of the bidding document.

24. Bid Prices

- (i) The Bidder /Tenderer shall indicate **unit prices in the prescribed format only.**
- (ii) Prices indicated on the price-schedule form shall be entered separately in the following manner:
 - (a) **For Goods being offered from India/ abroad in INR**
 - (b) The price of the goods quoted should be FOR NIT RAIPUR inclusive of all taxes(GST, Custom etc), charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination as specified in the price schedule form, installation, commissioning, training charges etc , if any. **(Annexure V)**
 - (b) **For Goods being offered from abroad in currency other than INR**
 - i. The price of the goods, quoted on FCA (named place delivery abroad) or FOB (named port of shipment), as specified in the price schedule form. The price should be FOR NIT RAIPUR inclusive of all taxes, charges for insurance and transportation of the goods, agency commission, installation, commissioning, training charges etc if any. **(Annexure VI]**
 - ii. 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.

- iii. Prices quoted by the Bidder/Tenderer shall be fixed during the Bidder/Tenderer's performance of the Contract and not subject to variation on any account.
- iv. If at any stage of the price quoted GST applicable, it should be clearly mentioned.

25. Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.

26. Responsiveness of Bids

- (iv) Prior to the detailed evaluation, the Institute will determine the substantial responsiveness of each bid to the bidding documents. For purposes of this clause, a substantive responsive bid is one, which conforms to all terms and condition of the bidding documents without material deviations, reservations or omissions. A material deviation, reservation or omission is one that:
 - (a) affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
 - (b) limits in any substantial way, inconsistent with the Bidding Documents, the Institute's rights or the Bidder/Tenderer's obligations under the Contract; or
 - I if rectified, would unfairly affect the competitive position of other bidders/tenderers presenting substantially responsive bids.
- (ii) The Institutes' determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- (v) If a bid is not substantially responsive, it will be rejected by the Institute and will not subsequently be made responsive by the Bidder/Tenderer by correction of the material deviation, reservation or omission.

27. Evaluation and comparison of bids

- (i) The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
- (ii) To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined below. No other criteria or methodology shall be permitted.
- (iii) The bids shall be evaluated on the following basis which shall be arrived as under:

For goods being offered from India.

Goods price will be calculated FOR NIT Raipur. Lowest bid (L1) will be deciding by the price of the goods quoted should be FOR NIT RAIPUR inclusive of all taxes(GST & Custom Duty, etc), charges for inland transportation, installation, commissioning, training charges, insurance and other local services required if any for delivering the goods at the desired destination as specified in the price schedule Price Bid format

For goods being offered from Abroad

- (i) In case of goods being offered from abroad, Lowest bid (L1) will be decided based on total cost at NIT Raipur, that include basic price of goods, freight and Insurance up to Indian Airport/port (CIF/CIP value up to Indian airport/port), custom duty and other taxes as applicable etc., Inland transportation and insurance up to NIT Raipur, packaging, forwarding, agent commission for custom clearance and installation, commissioning and training charges if any.
- (ii) **Conversion to Single Currency:** To facilitate evaluation and comparison, Bids quoted in foreign currency will be converted into Indian Rupees at the selling exchange rate established by Reserve Bank of India on its website, on the date of price bid opening.
- (iii) In case charges for packing, forwarding, transportation inside India, custom clearance charges or other incidental charges are quoted extra in addition to the quoted rates, the amount thereof must be specified. Packing, forwarding, freight, entry tax etc., when quotes separately are reimbursable at actuals after production of original receipts/invoices. If external agencies are employed, their receipts must be enclosed with the invoice.
- (iv) *If vender wishes, he/they may alternatively, quote price of imported items in Indian rupees. In this case item may be treated as offered from India. Payment will be released accordingly.*

Note: *Where there is no mention of packing, forwarding, freight, transportation, insurance charges, taxes etc. such offers shall be REJECTED as incomplete.*

28. **Clearance and delivery**

On arrival of shipment/consignment, the supplier is required to arrange custom clearance and transportation of the consignment up to NIT RAIPUR premises. The Tenderer/ bidder will do all types of clearance work and **formalities to deliver/provide the equipment at the site of installation. The expenses incurred will be reimbursed on actual basis not exceeding the quoted amount.** Institute will provide all types of documentary support including Customs Duty exemption certificate. The custom duty, demurrage (in case of delay in release of custom duty to the custom department by NIT Raipur) and government taxes/levies (if any) will be paid extra by the buyer after as per term of payment. Please note that the State of Chhattisgarh may charge entry tax on all goods entering the State. This may be included in your quotation as a separate item. Entry Tax will be reimbursed on production of proof of payment. **Principals will themselves have to procure any requisite permission from the Govt. of country of origin of equipment.**

29. **Agency Commission/other charges**

Agency commission, if any, should be clearly mentioned by the Bidder/tenderer and will be paid in Indian Currency. Please note that actual reimbursement will not exceed the quoted amount in any circumstances.

- 30. The Institute reserves right to conduct pre-dispatch inspection of goods and the vender must facilitate it at NIT Raipur's cost for pre-dispatch inspection.

31. **Warranty Period:** The warranty period should be minimum **1 year** with spares or as mentioned in technical specifications (whichever is higher) from the date of installation with satisfactory performance as per specifications. For standard items which carry warranty of more than one year, standard warranty shall be applicable.

32. **Terms of Payment:** The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

(i) **Payment for Goods and Services offered from India:**

Payment for Goods and Services supplied from within India shall normally be made in Indian Rupees, as follows: 100% payment will be made in account payee cheque or Draft/ online Transfer using RTGS to the Supplier normally within thirty (30) days after the successful installation and commissioning of equipment's subject to submission of performance security, if any.

(ii) **Payment for Goods and services offered from abroad:**

Payment of foreign currency portion shall normally be made in the currency of contract in the following manner:

a) **On Shipment:** Ninety (90) percent of the Contract Price of the Goods shipped shall be paid through irrevocable letter of credit (L/C) opened in favor of the Supplier in a bank in its country, upon submission of following documents specified as below:

Within 24 hours of dispatch, the supplier shall notify the purchaser the complete details of dispatch and also supply following documents by Registered Post/ courier and copies thereof by FAX.

- i. Two copies of supplier's Invoice giving full details of the goods including quantity, value, etc.;
- ii. Packing list;
- iii. Certificate of country of origin;
- iv. Manufacturer's guarantee and Inspection certificate/test report;
- v. Inspection certificate issued by the Purchaser's Inspector, if any.
- vi. Insurance Certificate, if required under the contract;
- vii. Name of the Vessel/Carrier;
- viii. Bill of Lading/Airway Bill;
- ix. Port of Loading;
Date of Shipment;
- x. Port of Discharge & expected date of arrival of goods and
- xi. H S code of classification of goods.
- xii. Any other document(s) as and when required in terms of the contract.

Note:

1. The nomenclature used for the item description in the invoices(s), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s)
2. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.

- b) **On Acceptance:** Ten (10) percent of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods and successful installation & commissioning upon submission of claim supported by the acceptance certificate issued by the Purchaser along with the Performance security, if any.
- The L/C will be confirmed at the suppliers cost, if requested specifically by the supplier. If L/C is requested to be extended/ reinstated for reasons not attributable to the purchaser, the charges thereof would be to the suppliers' account. All bank charges in India to the account of the opener and all bank charges outside India to the account of the beneficiary. Payment of local currency portion shall be made in Indian Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed. The L/C for 100% value of the contract shall be established after deducting the agency commission payable, if any to the Indian agent from the CIF/CIP value.

33. **Performance Security (PS):** The successful bidder has to furnish "**Performance Security of 3% of the ordered value in Indian Rupee**", in the form of Account Payee Demand Draft, / Fixes deposit and/or unconditional Bank guarantee encashable on demand from the Director, NIT, Raipur, from a nationalized Bank with validity period of sixty (60) days beyond the date of completion of all contractual obligations of supplier including guarantee/ warranty obligations. The Performance Security is to be furnished in favor of the Director, National Institute of Technology, Raipur, within ten days of intimation, failing which his bid security will be forfeited.

The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations.

34. **Delivery period:** Delivery should be made within **150 days** from the date of order of placement of goods offered from India or opening of the LC in case of goods offered from abroad. However delivery period will be vary as per item and urgency of requirement of the institute.

35. **The Insurance** shall be for an amount equal to 110% of the CIF or CIP value of the contract from within "warehouse to warehouse/ installation site (NIT Raipur)" on "all risk basis" including strikes, riots and Chemistry commotion.

36. **Delayed delivery:** Maximum one month extension in delivery period may be given on the receipt of written request of the successful vendor; however liquidated damage at the rate of 0.5% of the price per week or part thereof of delay will be recovered from the firm of the value of undelivered goods. Request for extension in delivery period should be made before the last date of supply as mentioned in Purchase Order.

Non delivery beyond extended period: If the Tenderer fails to execute the order within the delivery period as mentioned above the order will be cancelled and EMD will be forfeited by the institute.

37. **Installation time:** The Company must install the equipment within a period of two months from the date of delivery of the equipment at NIT Raipur failing which order

will be cancelled and EMD will be forfeited. However, necessary requirement for installation of goods/equipment will be provided by institute.

38. **Copy Right:** The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

39. **Insurance:**

- a. Should the purchaser elect to buy on CIF/CIP basis, the Goods supplied under the Contract shall be fully insured in Indian Rupees against any loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
- b. Where delivery of the goods is required by the purchaser on CIF or CIP basis the supplier shall arrange and pay for Cargo Insurance, naming the purchaser as beneficiary, initiate & pursue claims till settlement, on the event of any loss or damage.
- c. With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent, if any, shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after customs clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

40. **Right to use Defective Goods:** If after delivery, acceptance, installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

41. **Site preparation and installation:** The Purchaser is solely responsible for the construction of the equipment sites in compliance with the technical and environmental specifications defined by the Supplier. The Purchase will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Equipment, if required. The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchaser's site immediately after notification of Award / Purchase Order / Agreement.

37. **Force Majeure:**

- (i) Notwithstanding the Clauses relating to extension of time, penalty and Termination for Default the Supplier shall not be liable for forfeiture of its

performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- (ii) For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- (iii) If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within 21 days of its occurrence. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- (vi) If the performance in whole or in part or any obligations under the contract is prevented or delayed by any reason of force majeure for a period exceeding 60 days, either party may at its option terminate the contract without any financial repercussions on either side.

38. Defective Equipment:

- (vii) If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, unmerchantable or not in accordance with the description /specification or otherwise faulty, the institute will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment have already been made to him.
- (viii) All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges.

39. Any disputes arising out of this enquiry shall be dealt in the Raipur jurisdiction.

40. Bidder has to sign all the pages of this tender and enclose it with the bid.

Registrar
NIT-Raipur

List of Annexures

1. Acceptance of tender terms & conditions-Annexure-1
2. List of Equipments – Annexure 2
3. Technical Specification of equipments/goods – Annexure 3
4. Technical Compliance of the bidder with reference to the 'Specification of Equipments :Annexure 4
5. Price Schedule for goods being offered from India – Annexure 5
6. Price Schedule for goods being offered from Abroad. – Annexure 6
7. Deviation statement form - Annexure 7
8. Bidder information & check list – Annexure 8

Annexure 1**Acceptance of terms & conditions of tender(Must be on Letter Head)**

Date:

To,
The Registrar,
National Institute of Technology,
Raipur-492010(Chhattisgarh)
Subject: Acceptance of Terms & conditions of Tender.

Tender ref. No.: NITRR/S&P/ME/OT/2021/917**Dated:06/09/2021**

Dear Sir,

1. I/We have downloaded/obtained the tender document(s) for the above mentioned Tender enquiry no. from the website www.tenderwizard.com/NITR or www.nitr.ac.in .
- 2.I/We hereby certify that I/we have read entire terms & conditions of the tender documents from Page 01 to 27(including all documents like annexure, schedules etc.) which form part of the tender document and I/we shall be abide by the terms & conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by NIT Raipur to have also been taken into consideration, while submitting this acceptance letter.
4. I/We hereby unconditionally accept the tender conditions of above mentioned tender document(s)/corrigendum(s) in totality/entirely.
5. In case any provisions of this tender are found violated, NIT Raipur shall be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely and we shall not have any claim/right against NIT Raipur in satisfaction of this condition.
6. I/We confirm that we or our proprietor/Director/Partner have not been blacklisted or debarred or declared ineligible for corrupt/fraudulent practices either indefinitely or for a particular period of time by any Government or other agency. I/we further declare that no criminal case is registered on pending against the firm/company or its owner/partners/directors anywhere in India. Also there are no contractual restrictions or legal disqualifications or other obligations which prohibit the applicant from entering into tender process.

(Seal & Signature of the bidder)

Annexure 2

List Of Equipments To Be Procured Under Tender

S.N.	Name of Equipment	Qty
1.	Portable Handheld Air Quality Monitoring System	01
2.	Composite Mould - VARIM for Epoxy Resin System	01
3.	30kV, 20mA Regulated DC Power Supply	01
4.	3D Scanner for Reverse Engineering Activities	01

Annexure 3

Technical Specification of equipments/goods

1. Portable Handheld Air Quality Monitoring System

Portable Handheld Air Quality Monitoring System should include

Portable Handheld Monitor*: 03 quantity
Temp & RH Sensor: 01 quantity
PM Sensor (both PM10 & PM2.5): 01 quantity
CO2 Sensor: 01 quantity
CO Sensor: 01 quantity
Carrying case and wall mount brackets for monitor.

DETAILED TECHNICAL SPECIFICATIONS:

Portable Handheld Air Quality Monitoring System

Portable Handheld Monitor must have the following sensors: Temp & RH Sensor, PM Sensor (both PM10 & PM2.5), CO2 Sensor and CO Sensor.

This must be useful for Indoor as well as Outdoor Ambient Air Monitoring. The mandatory specifications for each are as follows –

Portable Handheld Monitor	
Parameter	Specifications
Interchangeable Gas Sensor heads	Monitor must have capability to interchange different Gas Sensor Heads to measure respective gases. The change of sensors must be Plug & Play type & must not require any tools.
Temp. & RH Sensor	Monitor must have capability to separately attach a combined “Temp & RH” sensor for simultaneous measurement of Temp & RH along with any other gas sensor.
Power	Monitor must have built-in rechargeable battery preferably Li- Polymer battery of 12V & 2500mA/h or better, for longer run time
Display	Monitor must have a built-in LCD display and it must indicate “Alarm, Battery, Data Logging, Sensor, Standby, Monitor & Location ID” on the display.
Measurement Units	Monitor must display Gas Measurements both in “ppm” as well as “mg/m ³ ” units

Readings Display	Monitor must be able to display “Instant, Minimum, Maximum and Average” readings
Data Logging capability	Monitor must have built in Data logging capability for 7000 or more data points
Data Format	Logged Data must get transferred to PC in the format which cannot be tampered easily like “.csv” or any other equivalent formats to preserve data integrity.
Software	Monitor must be supplied with appropriate software to communicate with PC to download the data. SW must also have capability to acquire data.
Analog Data	Monitor must have facility to provide analog data output of 0-5v
Clock Function	Monitor must have real time clock function to provide Date & Time stamp to the data
Calibration	Monitor must be able to carry-out Zero as well as Gain adjustment of desired gases.
Enclosure Material & rating	Monitor must have PC & ABS material with IP20 & NEMA1 equivalent or better rating
Weight	Monitor must have weight of 500gm or less
Certifications/Approvals	Monitor must have CE certification and FCC part 15 Approval and EN 50082-1: 1997 & EN 50081-1: 1992 approvals

Other specifications for Portable Handheld Monitor:

- Power Supply - Monitor must have power adaptor / charger to charge built-in battery
- Data interface - Monitor must have RS232 to USB interface or similar to transfer the logged data directly to PC
- Alarm - Monitor may have built in low &/or high user configurable alarm set points Capability
- Operating Conditions - Monitor must have following minimum environmental operating ranges - Temp. Operating range of -5°C to 50°C and Humidity operating range of 0 to 95%
- Identification capabilities - Monitor must have user settable capability to identify different locations as well as to identify different monitors if more than one monitor is installed.
- Sensor Interchangeability - Monitor must have capability to interchange Gas Sensors Heads by simply swiping the one gas sensor head with any other available gas sensor heads to measure any other gases.

Temperature / RH Sensor Specifications

Parameter	Specifications
Temp & RH Sensor	Sensor must be capable of measuring Temperature and Humidity using one single sensor.
Measurement Range	
Temperature	- 40 °C to 100 °C
Humidity	0% to 100% of RH
Resolution	
Temperature	0.02 °C or better
Humidity	0.5% or better
Repeatability	
Temperature	+/- 0.1 °C
Humidity	+/- 0.1%

PM Sensor Specifications

Parameter	Specifications
Sampling method of PM sensor head	PM sensor head must have “Active Sampling Method” using built- in fan or any other device for actively sampling the ambient air for most representative measurements
PM Measurement method	PM sensor must measure the PM using “Laser Particle Counting” method.
PM Measurement Range	PM sensor must have a measuring range of 0 – 1000 microgram/m ³ (0-1mg/m ³) of PM.
PM Measurement Parameter	PM sensor heads must be capable of simultaneously measuring both PM10 & PM2.5 particulate matters.
PM Sensor Resolution	PM sensor must have a resolution of 1µg/m3 (i.e. 0.001 mg/m3) or better.
Humidity Compensation for PM Sensor	PM Sensor head must have built in capability to compensate for the moisture in the measured air as higher moisture affects PM measurement. Please specify the method by which humidity compensation is carried out
PM sensor operational Temp range	PM Sensor must have operational temp. range of 0 to 50°C or better

PM sensor operational Humidity range	PM Sensor must have an operational humidity range of 0 – 90% or better without any condensation.
PM Sensor Response time	Response time of PM sensor must be 5 sec. or better
CO₂ Sensor Specifications	
Parameter	Specifications
Sampling method of CO ₂ sensor head	CO ₂ sensor head must have “Active Sampling Method” using built- in fan for actively sampling the ambient air for most accurate measurements
CO ₂ measurement method	Dual-Channel Non-Dispersive Infrared (NDIR)
CO ₂ Sensor head protection	CO ₂ sensor head must have built-in filters to prevent any particulate & unwanted matter from entering inside the sensor head
CO ₂ measurement Range	CO ₂ sensor must have measurement range of 0 – 2000 ppm of CO ₂
CO ₂ Sensor Resolution	CO ₂ sensor head must have resolution of 1ppm or better
CO ₂ Sensor Response time	CO ₂ sensor head must have response time of 120 seconds or better
CO Sensor Specifications	
Parameter	Specifications
Sampling method of CO sensor head	CO sensor head must have “Active Sampling Method” using built- in fan for actively sampling the ambient air for most accurate measurements
CO measurement method	CO sensor head must measure CO using a highly sensitive “Gas Sensitive Electrochemical” sensor.
CO Sensor head protection	CO sensor head must have built-in filters to prevent any particulate & unwanted matter from entering inside the sensor head
CO measurement Range	CO sensor must have measurement range of 0 – 100ppm of CO
CO Sensor Resolution	CO sensor head must have resolution of 0.1ppm or better
CO Sensor Response	CO sensor head must have response time of 30 seconds

time	or better
Additional Requirements: • Suppliers must provide all the certifications awarded to quote equipment. • Suppliers must provide any document if they have any collaboration with any international institutions or regulatory bodies. • Suppliers must provide case studies where quoted equipment is used for intended usage. General Requirements: • Cables like Data Transfer, Charging Cable and any other connectivity cables must be part of the monitor. • Software to transfer the data must be supplied Free-of-Cost and future upgrades must be provided Free-of-Cost. It should include the following – Items and quantity required: • Portable handheld air quality monitor – 3 nos. • PM sensor head – 1 nos. • CO₂ sensor head – 1 nos. • CO sensor head – 1 nos. • Temp/RH sensor head – 1 nos. Carrying case and wall mount brackets – 3 nos.	

2. Composite Mould - VARIM for Epoxy Resin System

Sr. No.	Description	Details	Quantity
01	Composite Mould VARIM Process (With Inbuilt Heating)	1000 mm (Length) x 1000 mm (Width) Note: • Composite Panel with 01 mm to 30 mm thick can be manufactured • 800 mm (Length) x 800 mm (Width) size of Composite Panel can be manufactured	01
02	Vacuum Pump	Flow: 25 m ³ /hr Ultimate Pressure: 0.1 hPa (mbar)	01

03	Degassing Chamber	5 Ltr Capacity	01
04	Heating Software & Capacity	PID Control System & Data Logger (Heating Capacity- upto-110 ⁰ C)	01
05	Heating area	700 (Length) x 700 (width) mm ² .	
06	Computer System	• Corei3 processor • 500 GB hard disk • 4 GB ram • 15-inch LED monitor	01
07	UPS	30 Minutes Backup	01
08	Resin Reservoir	10 Ltr Capacity	01
09	Training Material Kit (Infusion & Helping Material)	Infusion Material: • Infusion Grade Epoxy Resin (Resin + Hardener) • Glass Fabric Helping Material: • Release Film • Vacuum Foil • Breather Cloth -100 mm Width • Infusion Mesh • Release agent -NC55 (Loctite Frekote 55 NC) • Sealant tape • 12 mm Transparent PU tube	Inbuilt Quantity with Machine

Note:

- o The temperature control must be adjustable in specified ranges.
- o Adjustable step size must 2 °C .
- o Provision to predefine a heating rate in the range of 1 - 2 °C/ min
- o Temperature fluctuation maximum limited to ±5 °C.
- o PID system must capable for control the curing system and its program is flexible to changing the cure conditions.

- **Fabricated coupon must satisfy the following requirements**

1. Thickness: Composite laminate shall be made from minimum of 1 mm thickness to maximum of 30 mm thickness.
2. The accuracy of the composite laminate **thickness must be within ±0.1 mm.**
3. Provision must be there to vary the thickness from 1 to 24 mm with a **step size of 0.5 mm.**

[Fabricated composite laminates must be suitable for evaluating various mechanical properties according to ASTM D 7264, ASTM D 2344, ASTM D 5528, ASTM D 7028 Standards].

3. 30 kV, 20 mA Regulated DC Power Supply

AC to DC; 30 kV, 20 mA Output

High voltage power supply is required to test smart material-based sensors and actuators. This is helpful for practical education and research of novel material applied in multidisciplinary engineering field such as bio-mechanical, mechatronics, electromechanical system, etc.

4. 3D Scanner for Reverse Engineering Activities

3D SCANNER	
Purpose	Reverse Engineering Activities
3D resolution, up to	0.2 mm to 0.5 mm
3D point accuracy, up to	0.05 to 0.1 mm
3D accuracy over dist. up to	0.1 mm + 0.3 mm/m
Texture resolution	1.2 to 2.0 MP
Colors	20 to 25 bpp
Light source	flash bulb
Working distance	0.5 – 1 m
Linear field of view, HxW @ closest range	210 to 215 mm x 140 to 150 mm
Linear field of view, HxW @ furthest range	530 to 540 mm x 370 to 375 mm
Angular field of view, HxW	30 x 21°
Video frame and recording rate, up to	15 to 20 fps
Exposure time (3D & 2D)	0.0002 s & 0.00035 s
Data acquisition speed, up to	2 to 18 min points/s
Data processing algorithms	Geometry and texture based
Multi core processing	Yes
Dimensions, HxDxW	260 to 265 x 150 to 160 x 60 to 70 mm
Weight	0.9 to 1 kg / 2 to 2.5 lb
Power consumption	AC power (Approx. 12V, 48W)
Interface	1 x USB2.0, USB 3.0 compatible
Output formats	OBJ, PLY, WRL, STL, AOP, ASCII, PTX, E57, XYZRGB
Output format for CAD	STEP, IGES, X_T
Output format for measurements	CSV, DXF, XML
Supported OS	Windows 7, 8 or 10 - x64
Computer requirements (in built along with scanner)	Intel Core i3 or i5, 8 GB RAM, GPU with 2 GB VRAM
Calibration	no special equipment require
Ability to capture hybrid texture	Yes
HD Mode	Yes

Annexure 4**Technical Compliance of the bidder with reference to the
'Specification of Equipments'****Name and model no of offered goods/equipment:**

Item	Technical specification from NIT Raipur	Features available in equipments Yes or No	Any deviation from Specification, if any	Corresponding part number /datasheet/page no in broacher in support of specification	Comment of Technical Committee , NIT Raipur

Signature of Bidder

Annexure-5

Price Schedule form: Price Schedule for Goods Being Offered from India/Abroad in INR
(Separate form to be used for each item offered)

Name of the Bidder/Tenderer:

Name & Model No of offered good:

Tender No.:

S. No.	Details	Price per Unit in INR
1	Ex-works, Ex-warehouse, Ex-show room off the shelf price	
2	GST payable, if contract is awarded(%)	C.G.S.T.(%)
		S.G.S.T. (%)
		I.G.S.T. (%)
3	Packing & forwarding up to station of dispatch, if any	
4	Charges for inland transportation, insurance to ultimate destination i.e. NIT, Raipur, if any	
5	Installation, Commissioning and training Charges, If any	
6.	Any other charges (Please specify)	
Total Price (Sum of S.No 1 to 6) FOR NIT RAIPUR		

Total Bid price in Indian currency_____

In words: _____

Name_____

Business Address

Note:

- The cost of optional items shall be indicated separately.
- Price should be quoted in prescribed format only as per above.
- None of the item will be used for research purpose and standard GST rates will be applied. Kindly quote GST rate applicable as per HSN Code of the product. Concessional GST certificate will not be provided.

Seal & Signature of Bidder

Annexure-6

Price Schedule Form: Price schedule for goods being offered from abroad in currency other than INR

(Separate form to be used for each item offered)

Name of the Bidder/Tenderer:

Name & Model No of offered good:

Tender No.:

S. No.		Price per unit in ()
1	Country of origin	
2	FOB (named port of shipment) Or FCA (named place of delivery)	
3	Freight and Insurance up to Indian Airport/port	
4	Total Price at Indian Airport /port (2+3)	
5	**Custom charges (please mentioned %)	
6	Custom clearance and other charges if any (with breakup)	
7	Inland Charges for Insurance & transportation to NIT Raipur	
8	Installation, commissioning and training Charges, if any	
9	If any other charges (Please Specify)	
	Total Price (FOR NIT Raipur) (Sum of S. No 1 to 9)	

**** NIT Raipur have DSIR Registration Certificate.**

Note: Kindly mention GST if applicable at any stage under S.No. 9 of the above table.

Total Bid price in foreign currency: -----words: _____

(a) Indian agents name & address _____

(b) The cost of optional items shall be indicated separately-----

Annexure-7**DEVIATION STATEMENT FORM**

The following are the particulars of deviations from the requirements of the tender specifications:

CLAUSE	DEVIATION	REMARKS (INCLUDING JUSTIFICATION)

Signature of Bidder

Annexure-8(Please put this annexure at the top of the tender document)**Bidder's information & Check list**

1. Name of the Firm:

2. Type of the firm: (Proprietorship, Pvt Ltd, Public Ltd, Partnership etc.)

3. Address of the firm:

4. Contact detail: Phone No.:

Mob No. :

Fax No.

E mail:

5. Name of the authorised signatory:

6. Bank details of the firm:

Account No.:

IFSC Code:

Name of the Bank:

Branch:

Check List(Please enclose the copy of the following & tick as per applicability)

1. Proof of registration of the firm:

2. Authorisation certificate of dealership:

3. PAN card in Firm's name:

4. GST Registration Certificate:

5. Proof of registration with any central govt . organisation :

6. Purchase orders issued by any central govt organisation.

Signature of Bidder