



भारतीय प्रौद्योगिकी संस्थान भिलाई
जिला-दुर्ग, छत्तीसगढ़- 491002
Indian Institute of Technology Bhilai (IITBh)
Chhattisgarh, India – 491002
www.iitbhilai.ac.in

निविदा आमंत्रण सूचना / NOTICE INVITING TENDER

Indian Institute of Technology Bhilai (IIT Bhilai), an autonomous body under the Ministry of Education, Govt of India invites e-bid for “**Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai**”. Tender Documents may be downloaded from Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)). Bidders are advised to submit duly filled bids as per the following schedule:

Invitation for Bids (IFB) No & date	IITBh/Goods/MT/2024-25/328 Dated: 19/11/2024
Place of Supply etc.	Indian Institute of Technology Bhilai Kutelabhata, Khapri, Dist - Durg - 491002, Chhattisgarh
Bid Submission Start date	December 03, 2024, 1000 Hrs
Last Date of Submission of Bids	December 09, 2024, 1500 Hrs
Date of Opening of Technical Bids	December 10, 2024, 1530 Hrs
Tender Fee & EMD	Tender Fee - Rs. 1500/- and EMD of Rs. 60,000/- should be paid using SBI i-collect Link https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=646425 Step1. Click Check Box to proceed for payment. Step2. Select S and P Tender Fee and EMD. Step3. Fill all Details and Submit (This online payment receipt may be provided in the online Technical e-bid) EMD – MSE’s are exempted from the payment of EMD, MSME’s should submit a Valid MSME certificate in manufacturing of Pneumatic, Electropneumatic and PLC Training System.
Place of Opening of Technical Bids	Online - E-procurement Portal
Contact information (Tender Inviting Authority)	The Registrar Indian Institute of Technology Bhilai, Dist - Durg - 491002, Chhattisgarh Email: sp@iitbhilai.ac.in For technical enquiries: Email: ashishsahu@iitbhilai.ac.in

CALL INSTRUCTIONS FOR ONLINE BID SUBMISSION

The bidders are required to submit their bids electronically on the CPP Portal using valid Digital Signature Certificates. Certain instructions are given below to guide the bidders for registration on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

Registration Process

- 1) If a bidder is not registered at the eProcurement portal, such bidder should enrol/register on the e-Procurement module of the portal <http://eprocure.gov.in/eprocure/app> by clicking on the link "Click here to Enrol". Enrolment on the CPP Portal is free of charge.
- 2) The bidders to choose a unique username and assign a password for their accounts. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 3) Bidders to register upon enrolment their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India with their profile.
- 4) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse. *Foreign bidders are advised to refer "DSC details for Foreign Bidders" for Digital Signature requirements on the portal.*
- 5) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.

Tender Documents Search

- 1) Various built in options are available in the CPP Portal to facilitate bidders to search active tenders by several parameters. These parameters include Tender ID, organization, location, date, value, etc.
- 2) There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 3) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 4) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

Bid Preparation

- 1) Bidder should also take into account of the corrigendum published related to the tender before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
- 3) Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 4) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with **100 dpi with black and white option**.
- 5) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for the bid submission process.

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

Bid Submission

- 1) Bidder to log into the site well in advance for bid submission so that he/she uploads the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder to select the payment option as "Off-line" to pay the tender fee/ EMD wherever applicable and enter details of the instrument in SBI i-collect.
- 4) A standard BoQ format has been also uploaded along with the tender document to be filled by all the bidders. Bidders to note that they should necessarily submit their financial bids in the prescribed format and no other format is acceptable.
- 5) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data, which cannot be viewed by unauthorized persons until the time of bid opening.
- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

Assistance to Bidders

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is **0120-4200462, 0120-4001002, 0120-4001005**.

General Instructions to the Bidders

- The tenders will be received online through the portal <https://eprocure.gov.in/eprocure/app>. In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
- Possession of Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/ e-Token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link 'Information about DSC'.

Tenderers are advised to follow the instructions provided in the 'Instructions to the Tenderers for the e-Submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>.

LIST OF DOCUMENTS TO BE UPLOADED IN E-PROCUREMENT PORTAL

- 1) Bidder should take into account notifications, corrigendum published, if any on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Any deviations from these may lead to rejection of the bid.
- 3) The two-bid system will be followed for this tender. In this system, online offer should be submitted under **TWO-BID System** in two separate e-packets i.e. **“Technical eBid”** and **“Commercial eBid”**.

Online Envelope No. 1: "Technical Bid" shall contain (Pdf format only)

1. EMD is exempted for Micro and Small Enterprises (MSE) as defined in MSE Procurement Policy issued by the Department of Micro, Small and Medium Enterprises (MSME) / NSIC and Start-ups as recognised by Department of Industrial Policy & Promotion (DIPP), Ministry of Commerce and Industry. Those firms, who are failing to submit the Valid MSME, their bid will be summarily rejected.
2. A scanned copy of Authorization letter with proper seal and signature of the authorised person (with name, designation, email id & contact no.), as per the format attached at Annexure – C.
3. A scanned copy of Certificate of Incorporation, Partnership Deed/ Memorandum and Articles of Association/ any other equivalent document showing date and place of incorporation, as applicable.
4. A scanned copy of the commercial bid without prices (prices blocked) and copy of commercial terms & conditions (in details) as included in the commercial bid. IIT Bhilai reserves the right to reject the bid in case of discrepancy observed in the unpriced commercial bid and the actual commercial bid.
5. A scanned copy of audited balance sheet or the certificate from a Chartered Accountant for the financial year 2023-24, 2022-23, and 2021-22 indicating the annual sales turnover of the bidder. Bidder firm should not have suffered any financial loss for more than one year during the last three years, ending on 'The Relevant Date'.
6. The detailed technical specification, make, model, part number & compliance of each item offered supported by the printed catalogue/ leaflet published by the Principal Manufacturer.
7. Undertaking to the effect that a Performance Guarantee of 10% of the order value will be submitted in case IIT Bhilai decides to place the Purchase Order.
8. Undertaking to the effect that the terms and conditions, clauses etc. stipulated in this tender are acceptable.
9. Other documents necessary in support of eligibility criteria (as per Section-II - Instructions to Bidders-ITB), product catalogues, brochures etc.

IIT Bhilai reserves the right to reject the bid if any of the above listed document/s is not submitted.

Online Envelope 2: "Commercial Bid" shall contain.

- 1) The Commercial Bid should be filled properly in the .xls uploaded in eProcurement portal
- 2) In case the bidder requires any clarifications/ information, they may write to sp@iitbhilai.ac.in.
- 3) Commercial bids of the technically qualified bidders only will be opened in the eProcurement portal.
- 4) Commercial bids must be offered in the format attached.
- 5) The applicable exact rates of Taxes will be added as per the format attached.
- 6) In case of any mistake or error in calculations or any discrepancy in price quoted in words and figures, the LOWEST amount will be considered for comparison. If this lowest price is not acceptable to the bidder, their bid will be rejected. In this case, IIT Bhilai reserves the right to forfeit their EMD.
- 7) IIT Bhilai reserves the right to place part orders.

SECTION-I: INSTRUCTIONS TO BIDDERS (ITB)

1. Locations for the Supply and Installation & Warranty Services

The entire products as described in Schedule of Requirements at **Section - V** must be supplied, installed & supported at Indian Institute of Technology, Bhilai.

2. All the items covered in the Schedule of Requirements at Section – V should be **supplied and installed within 06-08 weeks** from the date of placement of work/ purchase order or opening of Letter of Credit (whichever is later). The processing fees for opening of LC must be paid by the successful bidder. If the site is ready for installation. It is highly encouraged that vendor should complete the delivery and installation well before the deadline. **Vendors will be requested to submit pre-requisites desired at the site for installation of required items (by their application/ service Engineer (s)) after release of purchase order.**

3. Amendment to Bidding Documents

- 3.1 At any time prior to the deadline for submission of bids, IIT Bhilai may, for any reason, whether on its own initiative or in response to the clarification request by a prospective bidder, modify the bid document.
- 3.2 The amendments to the tender documents, if any, will be notified by release of Corrigendum Notice on the institute website against this tender. The amendments/ modifications will be binding on the bidders.
- 3.3 IIT Bhilai at its discretion may extend the deadline for the submission of bids if it thinks necessary to do so or if the bid document undergoes changes during the bidding period, in order to give prospective bidders time to take into consideration the amendments while preparing their bids.

4. Preparation of Bids

Bidder should avoid, as far as possible, corrections, overwriting, erasures or postscripts in the bid documents. In case however, any corrections, overwriting, erasures or postscripts have to be made in the bids, they should be supported by dated signatures of the same authorized person signing the bid documents. However, bidder shall not be entitled to amend/ add/ delete/ correct the clauses mentioned in the entire tender document.

5. Forfeiture of EMD

- 5.1 In case of the bidder whose offer is accepted, the EMD will be returned on submission of Security Deposit. However, if the return of EMD is delayed for any reason, no interest/ penalty shall be payable to the bidder.
- 5.2 The successful bidder, on award of contract/ order, must send the contract/ order acceptance in writing, within 15 days of award of contract/ order, failing which the EMD will be forfeited and the order will be cancelled.
- 5.3 If the bidder withdraws the bid during the period of bid validity specified in the tender.

6. Period of validity of bids

- 6.1 Bids shall be valid for minimum 180 days from the date of submission. A bid valid for a shorter period shall stand rejected.
- 6.2 IIT Bhilai may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The bidder is free not to accept such requests without forfeiting the EMD/ BG. A bidder agreeing to the request for extension will not be permitted to modify his bid.

7. Deadline for Submission of Bids – online only

- 7.1 The Bid documents shall be neatly arranged. They should not contain any terms and conditions, printed or otherwise, which are not applicable to the Bid. *The conditional bid will be summarily rejected.*
- 7.2 Bids must be received by IIT Bhilai before the due date and time at the address specified in the tender document.
- 7.3 IIT Bhilai may extend this deadline for submission of bids by amending the bid documents and the same shall be suitably notified on its website.
- 7.4 IIT Bhilai shall not be responsible and liable for **the delay in receiving the bid** for whatsoever

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

reason.

8. Bid Opening & Evaluation of Bids

- 8.1 The technical bids will be evaluated in two steps.
 - a. The bids of eligibility bidders only will be evaluable based on eligibility criteria mentioned in Section III of the tender documents.
 - b. The technical bids of only the shortlisted eligible bidders shall be evaluated based on technical specifications stipulated at Section – V.
- 8.2 The bidders whose technical bid is found to meet both the requirements as specified above will qualify for opening of the commercial bid.
- 8.3 The duly constituted Tender Evaluation Committee (TEC) shall evaluate the bids. The TEC shall be empowered to take appropriate decisions on minor deviations, if any.
- 8.4 The bidder's name, bid prices, discounts and such other details considered as appropriate by IIT Bhilai, will be announced at the time of opening of the commercial bids.

9. Comparison of Bids

- 9.1 Only the short-listed bids from the technical evaluation shall be considered for commercial comparison.
- 9.2 The bids shall be evaluated on the basis of total price quoted for **“Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai** in the Commercial bid.
- 9.3 The bids shall be evaluated on the basis of the total prices including all taxes and duties as per the details mentioned in section I (10.2) and section VI (6).
- 9.4 In the comparison of bids, preference will be given to Class – I Local Suppliers as per the provisions of the Order no. P-45021/2/2017-PP (BE-II) on Public Procurement (Preference to Make in India), 2017 dated 04.06.2020 and subsequent orders issued by Department for Promotion of Industry and Internal Trade. Provisions of the order can be referred from the link given below:
<https://dipp.gov.in/sites/default/files/PPP%20MII%20Order%20dated%204th%20June%202020.pdf>

10. Purchase Order

- 10.1 IIT Bhilai shall issue purchase order to the eligible bidder whose technical bid has been accepted and determined as the lowest evaluated commercial bid based on the Grand Total calculated of all items as mentioned in section VI (6) + taxes of the Commercial Bids. However, IIT Bhilai reserves the right and has sole discretion to reject the lowest evaluated bid.
- 10.2 If more than one bidder happens to quote the same lowest price, IIT Bhilai reserves the right to decide the criteria and further process for awarding the contract, decision of IIT Bhilai shall be final for awarding the contract.

11. End User Certificate (if applicable)

IIT Bhilai can provide end user certificate in advance in order to save on time/ delivery period. However, this does not mean that the order shall be placed on the same bidder. The bidder may submit the format of end user certificate at the earliest, preferably along with the technical bid.

12. Purchaser's Right to amend / cancel

- 12.1.1 IIT Bhilai reserves the right to amend the eligibility criteria, commercial terms & conditions, Scope of Supply, technical specifications etc.
- 12.1.2 IIT Bhilai reserves the right to cancel the entire tender without assigning any reasons thereof.
- 12.2 IIT Bhilai reserves the right to place part orders.

13. Corrupt or Fraudulent Practices

- 13.1 It is expected that the bidders who wish to bid for this project have the highest standards of ethics.
- 13.2 IIT Bhilai will reject bid if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract.
- 13.3 IIT Bhilai may declare a vendor ineligible, either indefinitely or for a stated duration, to be

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai
awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the award / execution of contract.

14. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity/ dispute in the interpretation of any of the clauses in this Tender Document, the interpretation of the clauses by Director, IIT Bhilai shall be final and binding on all parties.

*****(END OF SECTION I)*****

SECTION-II: ADDITIONAL INSTRUCTIONS TO BIDDERS (AITBs)

- (a) **Delivery and Installation:** The items should be supplied **within 06-08 weeks** from the date of receipt of the Purchase Order or as per the instructions of IIT Bhilai.
- (b) Authorization certificate from all the original equipment manufacturers stating their support for the vendor during the equipment warranty period. Warranty of each component should be mentioned separately, if applicable.
- (c) **The Competent Authority reserves the right to reject any or all bids, amend/withdraw any terms and conditions in the Tender document or to cancel the Tender at any stage without assigning any reason.**

***** (END OF SECTION II) *****

SECTION-III: ELIGIBILITY AND QUALIFICATION CRITERIA

1. The bidder must be either OEM or authorized dealers or resellers of the original manufacturer of the proposed equipment in India. Both cannot bid simultaneously for the same item/ product in the same tender.
2. The bidder must have supplied similar equipment in at least 2 similar equipment to Centrally funded technical institutes/National R&D Institute/ R&D based private industries/Engineering colleges with NIRF ranking below 80/ Foreign R&D industries/Foreign R&D educational institute of comparable status. A complete list along with the contact details of the recent customers may be provided where the similar system is installed. Feedback from the users will be sought by the IIT Bhilai, if felt necessary.
- 3 (A) In addition to the above eligibility criteria, bidders should fulfil the minimum local content eligibility criteria as per the provisions of the Order no. P-45021/2/2017-PP (BE-II) on Public Procurement (Preference to Make in India), 2017 dated 04.06.2020 issued by Department for Promotion of Industry and Internal Trade.

B) Local content calculation should be as per the provisions of the OM No. P-45021/102/2019-BE-II-Part (1) (E-50310) Dated: 04-03-2021 issued by Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry.

C) Bidders' eligibility should also be as per the subsequent orders on local content or purchase preference issued by the Department for Promotion of Industry and Internal Trade in due course.
- 4 For the purpose of claiming purchase preference, the bidders should have the minimum local content of at least 50% and margin of preference shall be 20%. Bidders should submit a self-certification (as per annexure -G) that the item meets the minimum local content and shall give details of such local value addition.
- 5 If in the view of bidder, any exemption/ relaxation is applicable to them from any of the eligibility requirements, under any Rules/ process/ Guidelines/ Directives of Government of India, bidder may submit their claim for the applicable exemption/ relaxation, quoting the valid Rule/ process/ Guidelines/ Directives. In this case the bidder must submit necessary and sufficient documents along with the technical bid, in support of his claim. The applicability of exemptions and /or validity of documents submitted by the bidders will be evaluated by the bid evaluation committee during technical evaluation of bids.

Note: *The bidders should provide sufficient documentary evidence to support the eligibility Criteria. IIT Bhilai reserves the right to reject any bid not fulfilling the eligibility criteria.*

***** (END OF SECTION III) *****

SECTION-IV: GENERAL CONDITIONS OF CONTRACT (GCC)

1. Prices

- 1.1 Prices should be quoted only preferably in FOR IIT Bhilai Basis and should be inclusive of all taxes and duties.
- 1.2 The statutory taxes and duties applicable at the time of supply of material shall be applicable and will be reimbursed on submission of requisite documents/ proofs as the relevant Government Notification.
- 1.3 In case due to any error/ oversight, the GST quoted by the bidder is less than the actual rate as per tariff, the bidder will not be permitted to rectify the error/oversight. The orders/ contract will be placed for the total amount including the (lower) rate/s quoted by the bidder, with reduced basic amount to the extent of difference in tax/duty amount, so that the total amount (basic + actual rate as per tariff), remains same (quoted basic + quoted rate). The difference amount payable, if any, between the quoted rate and actual rate as per tariff (without exemption) shall be borne by the bidder. The exemption certificate, if applicable, will be issued for the reduced basic amount only.

2. Software Licenses

The software licenses, if any, shall be required in the name of the user. The licenses shall contain paper licenses and at least one set of media (CDs) – wherever applicable. All software licenses quoted should be of perpetual.

3. Performance Bank Guarantee (PBG)

The successful bidder has to submit performance security for an amount of 05% of the order value in the form of BG from any nationalized bank within 30 days from the date of award of contract and should be valid for 60 days beyond the date of completion of all contractual obligation including warranty obligation. And it will be returned after 60 days beyond the warranty period.

4. Completeness Responsibility

Notwithstanding the scope of work, engineering, supply and services stated in bid document, any equipment or material, engineering or technical services which might not be even specifically mentioned under the scope of supply of the bidder and which are not expressly excluded there from but which – in view of the bidder - are necessary for the performance of the equipment in accordance with the specifications are treated to be included in the bid and has to be performed by bidder. The items which are over & above the scope of supply specified in the Schedule of Requirements may be marked as “Optional Items”.

5. Warranty

All the equipment's and components supplied must have **01 year warranty** covering all parts & labour starting from the date after the successful installation and training, during the warranty period, Bidder will have to undertake comprehensive maintenance of the entire hardware components, software, equipment, support and accessories supplied by the Bidder at the place of installation of the equipment. The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract. The supplier further warrants that all Goods supplied under this contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the supplier. The warranty should be comprehensive on site, repair/replacement basis free of cost. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. Goods requiring warranty replacements must be replaced on a free of cost basis. Collecting of faulty Hardware from onsite and provisioning the replacement of Hardware under warranty at onsite shall be the responsibility of the supplier. IIT Bhilai reserves the right to invoke the Performance Bank Guarantee submitted by bidder, in case a) Supplied equipment & Software components fail to achieve the performance as stipulated in this document and / or b) The bidder fails to provide the warranty and other services in scheduled time frame, as stipulated in this document, penalty clauses mentioned under point 9 of this tender shall be applicable.

6. Training:

Suppliers need to provide Free of Charge onsite/Online training on applications and maintenance should be provided to IIT Bhilai staff(s) and student(s) at no extra cost should be provided for at least 1 week after successful installation of required items by the certified company engineers. IIT Bhilai will not bear any training or living expenditure in this regard. The Supplier should arrange for regular visits to the IIT Bhilai campus by its technical team and assist in the maintenance of the item/equipment within warranty period.

7. Payments

7.1. For INR Payment by NEFT – 100% against delivery, Installation, commissioning, acceptance by IIT Bhilai and submission of Performance bank Guarantee within 30 Days.

7.2. Payments towards AMC shall be paid at the end of each quarter/ year. (If applicable)

8. Ship to

The Director,
Indian Institute of Technology Bhilai,
Dist – Durg, Chhattisgarh 491002, INDIA

9. Liquidated Damage

IIT Bhilai reserves the right to levy penalty @ of 0.5 % of order value per week of delay in supply and /or installation, beyond the schedule as mentioned in this tender document subject to maximum of 10% of the order value. IIT BHILAI reserves the right to cancel the order in case the delay is more than 06 weeks. The delay in delivery and/or installation not attributed to supplier viz. delay in site preparation, delay in submission of required documents etc. and the conditions arising out of Force Majeure will not be considered for the purpose of calculating penalties.

10. Force Majeure

IIT Bhilai may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that, the delay in performance or other failure to perform its obligations under the contract is the result of a Force Majeure. Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.), acts of states / state agencies, the direct and indirect consequences of wars (declared or undeclared), hostilities, national emergencies, civil commotion and strikes at successful Bidder's premises or any other act beyond control of the bidder.

11. Arbitration

All disputes/claims of any kind arising out of supply, commissioning, acceptance, warranty maintenance etc. under this Contract, shall be referred by either party (IIT Bhilai or the bidder) after issuance of 30 days' notice in writing to the other party clearly mentioning the nature of dispute to the Sole Arbitrator appointed by IIT Bhilai. The venue for arbitration shall be specified in the purchase order/agreement. The arbitration proceedings shall be conducted in English and as per the provisions of Indian Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both the parties.

12. Jurisdiction

The disputes, legal matters, court matters, if any shall be subject to Durg jurisdiction only.

13. Indemnity

Selected bidder shall save, indemnify and hold harmless IIT Bhilai from any third-party Govt. Claims, losses penalties, if any, arising in connection with this Contract.

14. Assignment

Selected bidder/ Party shall not assign, delegate or otherwise deal with any of its rights or obligations under this Contract without prior written permission of IIT Bhilai.

15. Severability

If any provision of this Contract is determined to be invalid or unenforceable, it will be deemed to be modified to the minimum extent necessary to be valid and enforceable. If it cannot be so modified, it will be deleted and the deletion will not affect the validity or enforceability of any other provision.

16. Unloading

The bidder should ensure to unload all the materials (equipment and other related accessories etc) to the installation site at IIT Bhilai. Unloading of the goods at IIT Bhilai is the responsibility of the bidder. No manpower will be provided by IIT Bhilai.

***** (END OF SECTION IV) *****

SECTION – V: SCHEDULE OF REQUIREMENTS

S. No	Description (Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai)	Qty
1.	Pneumatic Training Workbench	2 sets
2.	Basic Electro Pneumatic Training Workbench	2 sets
3.	Advanced Electro Pneumatic and PLC Training Workbench	2 sets
4.	Vertical Workbench with Table and drawer unit with wheels	2 nos
5.	Switch mode power supply	2 nos
6.	Automatic Silent Air Compressor	1 nos
7.	Simulation software for Multi Technologies	5 licenses

Sl. No	GENERAL SPECIFICATION
1.	<i>The Training workbench should consist of the following features</i>
1.	Use all actual industrial standard valves and components
2.	All the pneumatic fittings should be of Push-in type fittings.
3.	All One Touch Fittings should be compatible and consistent for tube size 4 mm or more of outer diameter
4.	Cylinders, Valves and Switches should be provided with suitable locking and unlock mechanism for clamping & unclamping with the Workbench
5.	Working medium: Compressed filtered air of 6 bar (working pressure) and up to 8 bar (system capacity).
6.	All Valves for Workbenches, if not mentioned, should be of: Aluminum with Anodized finish, Flow rate: 450 litres/min, Spool type, Port size: 1/8" or 1/4" (as applicable), Pressure rating: 8 bar.
7.	All Workbenches should accompany Manuals and Exercise Books (Pneumatics, Electro Pneumatics and PLC for Operation and Integration)
8.	Components Preferably of: Festo, SMC, Janatics, and BOSCH or equivalent
9.	To eliminate compatibility issues all the items should be from single manufacturer/OEM
10.	Simulation software can be from same of authorized letter
11.	Quotations with be for all the items mentioned (1 – 9) specified below will be considered.
12.	All equipment should be designed in accordance with safety standards and ease of handling. No instrument should have sharp edges.
	MINIMUM OPERATIONAL REQUIREMENTS
2.	Pneumatic training workbench should support following exercises
1.	Operation of a single and double acting cylinder
2.	Impulse pilot operation of single acting cylinder
3.	Maintained pilot operation of single acting cylinder
4.	Operation of single acting cylinder using dual pressure (AND) valve
5.	Operation of single acting cylinder - controlled from different positions using shuttle (OR) valve
6.	Operation of double acting cylinder using quick exhaust valve
7.	Controlling the speed of double acting cylinder using METERING IN / METERING OUT flow control valve
8.	Operation of double acting cylinder using memory valve
9.	Single & Multi cycle operation of a double acting cylinder using limit switch & memory valve
10.	Single cycle automation of multiple cylinders in sequence
11.	Single cycle automation of multiple cylinders using cascading method
12.	Time delay operation of a double acting cylinder in forward/return stroke
13.	Manual intermediate positioning of a double acting cylinder in forward stroke and automatic retraction in return
14.	Control of number of cycles of a double acting cylinder using pneumatic counter

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

15.	Punching operation of a double acting cylinder using pneumatic timer and counter
16.	Punching and holding operation of a double acting cylinder using idle return lever valve with timer and counter
3. Basic Electro Pneumatic training workbench should support	
1.	Operating single/double acting cylinder using single solenoid valve (using direct actuation and through relay for solenoid actuation)
2.	Applying AND/OR logic using two manual controls for forward stroke of a double acting cylinder (using direct actuation and through relay for solenoid actuation)
3.	Operating of a double acting cylinder using single/double solenoid valve (use separate manual controls for forward stroke and return stroke)
4.	Operating of a double acting cylinder using single/double solenoid valve. Manual forward stroke and automatic return stroke as it reaches forward end
5.	Continuous operation of a double acting cylinder using double solenoid valve
6.	Controlling sequence of two double acting cylinders
4 Advanced Electro Pneumatic and PLC Training Workbench should support	
1.	Operation of a Single/Double acting cylinder (SAC/DAC)
2.	Multi cycle operation of a DAC
3.	Operation of two cylinders in sequence
4.	Multicycle operation of three cylinders in sequence
5.	Analog and Digital IO's programming
5. Simulation software for MultiTechnology	
1.	Simulation of Pneumatics, Hydraulics, electrical, PLC, Digital Electronics circuit technologies
2.	Library of each technology containing component, circuits etc.
3.	Simulation software can connect with hardware supplying with mentioned technology

Items Required:

Minimum List of components:		
1	Pneumatic Components	
1.1	Filter Regulator Combination with Lubricator (FRL Unit) with pressure gauge (Filtration – 40 microns, Flow: 12 litres/min, Connector for tube: 8 mm diameter.)	1 no.
1.2	Junction Box with slide valve and self-sealing feature	1 no.
1.3	Push Button (Green) Valve	1 no.
1.4	Push Button (Red) Valve	1 no.
1.5	3/2 NC Roller lever valve (Pneumatic limit switch – for Reversing)	2 no.
1.6	3/2 NC Roller lever valve (Pneumatic limit switch – for Forwarding)	2 no.
1.7	5/2 Double external pilot operated valve (Memory Valve)	4 nos.
1.8	5/2 External Pilot Operated Valve with spring return	1 no.
1.9	5/2 Hand lever with spring return	1 no.
1.10	5/2 Valve with Lever head	1 no.
1.11	5/2 Hand Lever Valve with detent	1 no.
1.12	5/2 Valve with Mushroom head – for emergency operation	1 no.
1.13	Flow control valve - Metering IN & OUT	2 sets
1.14	Shuttle Valve (OR valve)	2 nos

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

1.15	AND valve	1 no.
1.16	Quick exhaust valve for operation of DAC	1 no.
1.17	Double Acting Cylinder (DAC): Stainless Steel Barrel, Size 25mm dia, Stroke: 100mm with end cushioning	2 nos
1.18	Single acting cylinder (SAC): Stainless Steel Barrel, Size 25mm dia, Stroke: 50mm with end cushioning	1 no.
1.19	Multi distributor fittings	3 nos
1.20	One touch fitting (Union T fitting & Union Y fitting: – Each 4 nos, Size – Suitable for tubes with 4 dia Outer Diameter)	1 set
1.21	Plug, Dia: 4mm	6 nos
1.22	Polyurethane tube: 8mm	5 mtrs
1.23	Polyurethane tube: 4mm	10 mtrs
1.24	Tube cutter with safety lock	1 no.
1.25	5/3 Double external pilot operated valve with spring centered	1 no.
1.26	Idle return valve assembly - Forwarding	1 no.
1.27	Time Delay Valve (2 – 30s, Spring Return, Compatible connectors)	1 no.
1.28	Pneumatic counter (100000 counts)	1 no.
1.29	Pneumatic Proximity switch	2 no.
1.30	Pneumatic sequence valve	1 no.
1.31	Pneumatic back pressure valve	2 no.
1.32	Pneumatic Pressure indicator	1 no.
2	Electro pneumatic components	
2.1	5/2 Single sol. op. valve with spring Return	1 no.
2.2	5/2 Double sol. op. valve (With LED)	2 no.
2.3	Magnetic sensor with clamp (Solid state, Output type: PNP)	6 nos
2.4	Electrical pushbutton module (24V, NO/NC type, with Indicator, Red and Green)	1 no.
2.5	Electrical Connection set (Banana plug, Colored cables)	1 no.
2.6	Electrical limit switch (Forwarding) Electrical connection terminal: 1.C 2. NC, 3.NO)	1 no.
2.7	Electrical limit switch (Reversing)	1 no.
2.8	PE Converter (NO & NC)	1 no.
2.9	Pressure sensor (Digital Output: 1 PNP)	1 no.
3	Basic Electro Pneumatic Addons	
3.1	Relay Logic Unit – 4 C/O, 3 Relays, 24V, NO/NC type	2 nos.
4	Advanced Electro Pneumatic Addons	2 set
4.1	ON & OFF Delay timer module (On: 1 – 10s, Off: 0.5 – 10s, 24V)	1 no.
4.2	Electrical counter Module (24V, NO/NC, Minimum: 6 digits display)	1 no.
4.3	Electrical buzzer with indicator module (24V, 60db)	1 no.
4.4	Inductive proximity sensor (24V, 5mm, 3 pin QD connector, Flush Head)	1 no.
4.5	Capacitive proximity sensor (24V, 8 mm, 3 pin QD connector, Flush Head)	1 no.
4.6	Optical proximity sensor (24V, 260 mm, 3 pin QD connector, Flush Head)	1 no.
5	PLC and Addon modules	
5.1	PLC (Siemens, Allen Bradley, Mitsubishi, or equivalent) (If more than one PLC then supply two different make)	1 no.

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

		24V, Port: RJ 45, Inputs: 12 or more, Outputs 8 or more, OPC Interface, with Real time simulation, Digital and Analog Inputs and Outputs, feasibility to extend IO's by additional card	
	5.2	PLC programming software – Perpetual License	1 no.
	5.3	PLC programming cable	1 no.
	5.4	PLC Textbook and Electro pneumatics with PLC – Exercises book advanced	1 no.
6	Vertical work bench (all mountings compatible to this) with electrical control mounting and table drawers with wheel accessible both side		
7	Switch mode power supply (220V-24V, 3A, 1.5m connector)		
8	Automatic Silent Air Compressor		
		HP – 0.5 (0.35 Kw)	
		Input Litre – 50 litre	
		Output Litre – 37 litre/min	
		Tank capacity – 30 litre	
		Noise (dB) – 60 dB (maximum)	
		Max. Pressure - 8 Bar / 120 PSI	
		Power supply - 230V, 50Hz	
		Power cord – 3 Pin, Standard Plug	
9	Simulation software for Multi Technologies		5 licenses
	<p>Simulation software can create and simulate the circuits allied with the technologies such Pneumatics, Hydraulics, electrical, PLC, Digital Electronics etc. All technologies shall be linked together, and component interactions should be seen during simulation to create complete systems which reinforce students understanding of system's interactions.</p> <p>It shall be possible to easily reproduce any lab equipment or complete system to simulate, analyze and troubleshoot them before the hands-on experience.</p> <p>The Hydraulic Library shall comply with ISO 1219-1 and 1219-2 standards, the Hydraulic Library (industrial and proportional) shall offer the entire component symbols required to create mobile and industrial hydraulic systems and functions. Components should be preconfigured. Moreover, simulation parameters such as performance curves, external loads, leaks, viscosity, and thermal characteristics shall be configured as needed.</p> <p>The Pneumatic Library shall include symbols complying with ISO 1219-1 and 1219-2 standards to create pneumatic, electro pneumatic and logic systems. The parameters of pneumatic components should also be configurable.</p> <p>PLC Ladder Logic libraries shall contain Allen Bradley™, Siemens™ and IEC61131-3 to create and simulate the control part of an automated system.</p> <p>Digital electronics library shall have standard devices including inverters, logic gates, flip-flops, counters, shift registers, comparators, switches, LEDs, 7-bar display, decoders, multiplexers, etc.</p> <p>Electrical one line library shall enable the design of diagrams for all voltage levels in a typical one-line representation of networks for power generation, transmission and distribution.</p> <p>Electro technical Library shall offer a wide array of components to create AC and DC electrical circuits, from basic to advanced uses. It should also support IEC and NEMA standards. Motor soft starters and variable frequency drives should be available. It shall offer components built according to the real</p>		

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

model from manufacturers such as Siemens™, Allen Bradley™, etc. Tools shall be available to quickly implement and design entire scaled cabinets and junction boxes. A rail mounting for assembly grouping as well as ducting elements for wires should be available.

Electrical Controls Library shall interact with all components from other libraries so as to create electrically controlled systems. It shall also support IEC and JIC standards.

The Sequential Function Chart (SFC) Module should be the tool of choice to implement control structures. In addition to macro-steps, it shall include encapsulating steps enabling hierarchical order.

The 2D / 3D HMI module shall provide mechanism to easily create animated shapes and control panels that reproduce the behaviour of the equipment they represent.

Control panel module shall allow to easily create control panels and to operate the virtual system or real equipment.

Component sizing module shall provide calculation worksheets specific to each category of pneumatic, hydraulic and electrical components which include calculation tools necessary for component sizing. Users shall have quick access to applicable equations and parameter definitions.

The software shall enable users to export SFC / GRAFCET into XML format or into Siemens STEP 7 Graph in order to program the Siemens S7-300 Series PLC.

Simulation software shall allow easily creating or reproducing assignments and learning material, adapting it to the teaching curriculums.

The software shall offer teachers and students an expansive library with preconfigured components of reputed manufacturer.

It shall be possible for online remote access licence connection for teachers and students. It should allow preparing and simulating the courses and homework from home, school or workplace.

Course material should be available for each technology. It should provide teachers and trainers with the essentials for preparing course curriculum. It should have guides, manuals, lectures, videos and lab notes for all levels of discipline.

Teachers should be made using multimedia sequences; course content offered shall be interactive and animated live by the software simulation. Teachers shall modify this content to better fit their needs.

The Workflow shall allow defining interactive activities for existing projects and connecting them to other applications. It should also automate repetitive tasks without programming knowledge.

The software shall include a 3D editor for creating and importing 3D parts in STEP, STL and IGES. It shall also possible to visualize, simulate and animate them, simultaneously, with the technologies that drive the system.

The software shall include a Mechanism Manager, mechanical bodies shall be linked to Fluid Power actuators to simulate and animate their effects.

In addition to the above features, the software shall have following also

- Measuring instruments such as multimeter, clamp-meter, oscilloscope, hydraulic tester, thermometer
- Create or activate pre-defined failures to develop troubleshooting skills
- Create libraries containing only the required components to specific exercises
- Train with ready-to-use components from Manufacturers' Catalogues
- Remote access capabilities for E-learning
- Creating digital twins of your hardware equipment

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

<ul style="list-style-type: none">• Virtual Systems: conveyor, traffic lights, elevator, car wash, pick & place, etc.• International standards including ISO, IEC, NEMA, SAE, JIC, etc.• Connecting to real devices such as PLCs, Arduino™, CAN devices• Connecting to Trainer kits and Mechatronics systems through IO card and OPC• Establishing SIL & HIL connection with physical hardware• Plotting simulated parameters to monitor and visualize system's behaviour <p>The following libraries shall contain in the package:</p> <ul style="list-style-type: none">- Hydraulics & Proportional Hydraulics- Pneumatics & Proportional Pneumatics- Component Sizing Module- Mechanical links- Electrical Control- Electrotechnical (A.C., D.C., Motor Control)- One-Line Electrotechnical Diagram- PLC, Allen Bradley™- PLC, Siemens™- PLC, IEC 1131-3- PLC, LSIS- HMI 2D/3D & Control Panel- SFC Grafcet IEC 61131- Digital Electronics- Diagnostics & Trouble shooting- Embedded View and Sequence Diagram- Bill of Materials (BOM) & Report Module- OPC Client- Block Diagram (Math) Workshop <p>Package shall include:</p> <ol style="list-style-type: none">1. Software on USB or Download Link, 1 Protection Device (USB)2. Annual Maintenance shall include the following for first 1 year<ol style="list-style-type: none">a. Software updates, service releases, new versionsb. Online training sessions (2 hrs)c. Unlimited access to technical supportd. Manufacturers cataloguese. Remote access licensing (WAN1) for its period of validityf. Teachware (Hydraulics, Pneumatics, Electrical)g. Access to already made exercise using Unity 3D	
---	--

Note:

- 1) The vendor should be an Original Equipment manufacturer (OEM) or direct authorized distributor and OEM authorization certificates must be submitted along with the quotation.
- 2) A complete specifications detail is required to be provided with the technical bid. Along with the technical bid, a duly filled compilation sheet shall be submitted.
- 3) Vendors should clearly mention their specifications wherever required. If required, they can add additional column for compliance in compliance sheet. Merely writing Yes/No may lead to rejection if the committee is not able verify the required technical information.

Other Mandatory Conditions:

1. The bidder must be either OEM or authorized dealer of the original manufacturer of the proposed equipment in India. In case of authorized dealer, the technical quote should contain a valid original certificate provided by the original manufacturer in the name of IIT Bhilai. Authorization letter is must to qualify for the bid.
2. All the essential items, should be from the same manufacturer/OEM.(excluding software)
3. All the components in the training module should be of industrial type.
4. Each pneumatic component should have quick fix arrangement (plug and fix type or other similar type) for easy, quick & safe manual mounting without any tools.
5. The minimum configuration of PC required for running the simulation software should be clearly stated.
6. The kit should be modular and upgradable so that future investments to higher levels of training are reduced
7. Warranty for one year from the date of installation and commissioning for all the components including the software. Offer for three years AMC after the warranty period clearly indicating the scope of the AMC must be quoted separately.
8. Installation should be done by a well-trained engineer of the company
9. Operation, service and maintenance training should be provided to at least five persons for a minimum of two days in IIT Bhilai at no additional cost.
10. During technical evaluation, the bidder should be able to demonstrate the same series/model in India or abroad at their cost. The acceptance in this regard should be mentioned in Bid.
11. Attractive discount for an educational institution should be offered
12. Separate prices should be shown for (a) basic equipment (b) Optional items
13. If imported, price may be quoted on both FOB and CIF basis
14. Support of hardware and spares for 10 years and more after the End-of-life of the model

ADDITIONAL TERMS AND CONDITIONS

1. Training: Bidder should provide onsite comprehensive training to lab staffs and students at the time of installation and as on whenever required till the product is under warranty. Onsite Training from factory trained Application Specialists for a period of 2-3 days & application support should be available in India in addition to the support staff from the local Indian Vendor.
2. Spare parts: Bidder should ensure the availability of spare parts for at least 10 years.
3. After sale services: Bidder should have authorized agent in India to provide hassle free after sale service.
4. Documentation: Bidder should submit schematic diagram, product catalogue, and previous order copies from government /autonomous educational /research institute/University along with tender document.
5. The bidder should quote for the latest model.
6. The Competent Authority reserves the right to reject any or all bids, amend/withdraw any terms and conditions in the Tender document or to cancel the Tender at any stage without assigning any reason.
7. The committee reserves the right to reject the technical bid if this condition is not satisfied. The committee also reserves the right to modify the stipulated eligibility criteria/technical specification at any time during the tenure of procurement.
8. A complete set of operation manuals should be provided. All required hardware and software documents, installation manuals, CDs/DVDs/USB Stick, etc. to be provided. All manuals (service and operational) should be provided as hard copies as well as soft copies (on CDs).

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

Note: Bidder must submit a technical compliance sheet (with bidder specification, deviation & justification) and all the relevant documents to ensure that the technical specifications are compiled & all the conditions are fulfilled.

Authorized Signatory:
(Signature of the Bidder, with Official Seal)

*** (END OF SECTION V) **

SECTION – VI PRICE BID

PRICE BID -Schedule of price bid in the form of BOQ format:

1. Financial Proposal/Commercial bid format is provided as BoQ along with this tender document at <https://eprocure.gov.in/eprocure/app>
2. Bidders are advised to download this BoQ.xls as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid.
3. Bidder shall not tamper/modify downloaded price bid template in any manner. In case if the same is found to be tampered/modified in any manner, tender will be completely rejected and EMD shall be forfeited.
4. **Any element of cost, taxes, duties levies etc. not specifically indicated in the BOQ, shall not be paid by the purchaser. If GST amount is not quoted in the BOQ (Financial Bid), the total cost will be treated as inclusive of GST. No further communication will be entertained later or else the EMD will be forfeited.**
5. The tender shall remain valid for acceptance for 180 days, from the date of tender opening.

OTHER CONDITIONS FOR PRICE BIDS

1. No unilateral revision in price will be admissible.
2. Rates should be quoted in the accounting units (A/U) mentioned in this tender. Rates must be quoted clearly on a free delivery basis at IIT Bhilai and total value is also indicated in words.
3. Any optional indicated in techno-commercial bids must be priced separately.
4. In case spares/accessories are applicable, their list and price should be clearly indicated separately.
5. The price must be stated for each item separately. The percentage of reduction, in the unit price should also be quoted, should an order to that extent be placed with you.
6. The bids shall be evaluated on the basis of price quoted (Including GST) for Sl. No. 1 i.e. Basic Equipment's price in the Commercial bid. Price quoted for the Sl. No. 2 will be optional and will not be taken into consideration in deciding the L1 Bidder.
7. Any information related to essential accessories or optional accessories should be mentioned in the remarks column.

Signature of the Tenderer

Seal:

*** (END OF SECTION VI) ***

SECTION –VII ANNEXURES (STANDARD FORMATS)

ANNEXURE A

TENDER ACCEPTANCE LETTER

(To be submitted on Company Letter Head)

Date: _____

To,

**The Director
Indian Institute of Technology Bhilai,
Dist.- Durg 491002 Chhattisgarh**

SUB: Acceptance of Terms & Conditions of Tender.

Tender Reference No./ Date:

Name of Tender / Work:

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned `Tender/Work' from the web site(s) namely: www.iitbhilai.ac.in, <http://eprocure.gov.in/eprocure/app> as per your NIT / advertisement, given in the above-mentioned website(s).
2. I / We hereby certify that I / We have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedules(s), etc.), which form part of the contract agreement and I / We shall abide hereby by the terms / conditions/ clauses contained therein.
3. The corrigendum(s) issued from time to time by your department / organization too has 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 its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted / debarred by any Govt. Department/Public sector undertaking.
6. I / We do hereby declare that our firm will submit the Performance Bank Guarantee for 05% of PO Value within 30 days from the date of award of contract, if Contract is awarded to our firm.
7. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the fully said earnest money deposit absolutely.

Yours Faithfully,

Authorized Signatory:
(Signature of the Bidder, with Official Seal)

ANNEXURE B

AUTHORITY LETTER

AUTHORIZATION

We _____ (name of the bidder) hereby authorise Shri / Smt. _____ (name of the authorised person) to sign and submit the bid to IIT Bhilai against their Tender No. _____ dated _____. Shri / Smt. _____ (name) is also authorised to negotiate the terms and conditions pertaining to the said tender on behalf of M/s _____ (name of bidder). The specimen signature of Shri / Smt. _____ (name) is appended below.

Name: _____ Specimen Signature: _____

The undersigned is authorised to delegate the authority on behalf of M/s _____ (name of bidder), as stipulated above

For _____
(name of bidder)

Signature & Company Seal:
Name:
Designation:
Email:
Mobile No.:

ANNEXURE C

SUMMARY INFORMATION SHEET

Sr. No.	Information heading	Details
1	Name of the Vendor	
2	Name of the person(s) to whom, all references shall be made, regarding this TENDER/PROJECT (Authorized Signatory)	
3	Address of the Contact Person	
4	Designation of the Contact Person	
5	Telephone number(s) of the Contact Person.	
6	Mobile number of the Contact Person	
7	Fax number of the Contact Person	
8	Email ID(s) of the Contact Person	
9	Annual Turnover (in Lakhs): Last three Years (In INR)	1)
		2)
		3)
10	Years of Operation (in Years):	
11	PAN Number	
12	GSTN	
13	Bank Name and Account No.	
14	IFS Code	

Authorized Signatory:
(Signature of the Bidder, with Official Seal)

ANNEXURE D

PROFORMA OF BANK GUARANTEE

(on non-judicial paper of appropriate value)

To,

**The Director
Indian Institute of Technology Bhilai,
Dist.- Durg 491002 Chhattisgarh**

BANKS GUARANTEE NO:

DATE:

Dear Sir(S)

This has reference to the Purchase Order No.____Dated_____been placed by Indian Institute of Technology Bhilai (IIT Bhilai), Raipur on M/s_____(Name & Address of Bidder) for supply, installation, commissioning and warranty of_____(description of items) at client's site.

The conditions of this order provide that the Bidder shall,

1. Arrange to deliver the items listed in the said order to the consignee, as per details given in said order, and
2. Arrange to install and commission the items listed in said order at client's site, to the entire satisfaction of IIT Bhilai and
3. Arrange for the comprehensive warranty service support towards the items supplied by Bidder on site as per the warranty clause in said purchase order.

M/s (Name of bidder) has accepted the said purchase order with the terms and conditions stipulated therein and have agreed to issue the performance bank guarantee on their part, towards promises and assurance of their contractual obligations vide the Supply Order No.____M/s.____(name of vendor) holds an account with us and has approached us and at their request and in consideration of the promises, we hereby furnish such guarantees as mentioned hereinafter.

IIT Bhilai shall be at liberty without reference to the Bank and without affecting the full liability of the Bank hereunder to take any other undertaking of security in respect of the suppliers obligations and / or liabilities under or in connection with the said contract or to vary the terms vis-a – vis the supplier or the said contract or to grant time and or indulgence to the supplier or to reduce or to increase or otherwise vary the prices or the total contract value or to forebear from enforcement of all or any of the obligations of the supplier under the said contract and/or the remedies of IIT Bhilai under any security now, or hereafter held by IIT Bhilai and no such dealing(s) with the supplier or release or forbearance whatsoever shall have the effect of releasing the bank from its full liability of IIT Bhilai hereunder or of prejudicing right of IIT Bhilai against the bank.

This undertaking guarantee shall be a continuing undertaking guarantee and shall remain valid and irrevocable for all claims of IIT Bhilai and liabilities of the supplier arising up to and until_(date).

This undertaking guarantee shall be in addition to any other undertaking or guarantee or security whatsoever the that IIT Bhilai may now or at any time have in relation to its claims or the supplier's obligations/ liabilities under and / or in connection with the said contract and IIT Bhilai shall have the full authority to take recourse to or enforce this undertaking guarantee in preference to the other undertaking or security(ies) at its sole discretion and no failure on the part of IIT Bhilai in enforcing or requiring enforcement of any other undertaking or security shall have the effect of releasing the bank from its full liability hereunder.

We____(Name of Bank) hereby agree and irrevocably undertake and promise that if in your (IIT Bhilai's) opinion any default is made by M/s____(Name of bidder) in performing any of the terms and /or

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

conditions of the agreement or if in your opinion they commit any breach of the contract or there is any demand by you against M/s____(Name of bidder), then on notice to us by you, we shall on demand and without demur and without reference to M/s____(Name of bidder), pay you, in any manner in which you may direct, the amount of Rs._____-/- (Rupees _____ Only) or such portion thereof as may be demanded by you not exceeding the said sum and as you may from time to time require. Our liability to pay is not dependent or conditional on your proceeding against M/s____(Name of bidder) and we shall be liable & obligated to pay the aforesaid amount as and when demanded by you merely on an intimation being given by you and even before any legal proceedings, if any, are taken against M/s_____(Name of bidder)

The Bank hereby waives all rights at any time inconsistent with the terms of this undertaking guarantee and the obligations of the bank in terms hereof shall not be anywise affected or suspended by reason of any dispute or disputes having been raised by the supplier (whether or not pending before any arbitrator, Tribunal or Court) or any denial of liability by the supplier or any order or any order or communication whatsoever by the supplier stopping or preventing or purporting to stop or prevent payment by the Bank to IIT Bhilai hereunder.

The amount stated in any notice of demand addressed by IIT Bhilai to the Bank as claimed by IIT Bhilai from the supplier or as suffered or incurred by IIT Bhilai on the account of any losses or damages or costs, charges and/or expenses shall as between the Bank and IIT Bhilai be conclusive of the amount so claimed or liable to be paid to IIT Bhilai or suffered or incurred by IIT Bhilai, as the case may be and payable by the Bank to IIT Bhilai in terms hereof.

You (IIT Bhilai's) shall full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contact with the said M/s_____(Name of bidder) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s_____(name of bidder) which under law relating to the sureties would but for the provisions have the effect of releasing us.

You will have full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said M/s_____(Name of bidder) and to enforce or to forbear from endorsing any power or rights or by reason of time being given to the said M/s_____(Name of bidder) which under law relating to the sureties would but for the provisions have the effect of releasing us.

Your right to recover the said sum of Rs._____-/- (Rupees____only) from us in manner aforesaid will not be affected/ or suspended by reason of the fact that any dispute or disputes have been raised the said M/s_____(Name of bidder) and/ or that any dispute or disputes are pending before any officer, tribunal or court or Arbitrator.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up, dissolution or change of constitution or insolvency of the said M/s_____(Name of bidder) but shall in all respects and for all purposes be binding and operative until payment of all dues to IIT Bhilai in respect of such liability or liabilities.

Our liability under this guarantee is restricted to Rs._____-/- (Rupees _____ Only). Our guarantee shall remain in force until unless a suit action to enforce a claim under guarantee is filed against us within six months from (which is date of expiry of guarantee) all your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

We have power to issue this guarantee in your favour under Memorandum and Articles of Association of our Bank and the undersigned has full power to do under the power of Attorney dated.

Notwithstanding anything contained herein:

- a) Our liability under this guarantee shall not exceed Rs_____(in words)
- b) This bank guarantee shall be valid up to & unless a suit for action to enforce a claim under

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

guarantee is filed against us within six months from the date of expiry of guarantee. All your rights under the said guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there after i.e. after six months from the date of expiry of this Bank guarantee

- c) We are liable to pay the guaranteed amount or any parts thereof under this bank guarantee only and only if you serve upon us a written claim or demand or before _____
 - d) The Bank guarantee will expire on_____ (Min 12 months for warranty period and 12 months for claim period from the date of successful installations of the items in the order)
- Granted by the Bank

Signature of the authorized officer of the bank

Name of the officer_____

Designation of the officer_____

Seal, name, email and address of the Bank and address of the Branch.

ANNEXURE E

PREVIOUS WORK ORDER DETAILS

(To be submitted on Company Letter Head)

Evaluation Criteria	Name of the Client	Order No. & Date	Amount	Remark
List of Purchase Order / Work Orders where the similar systems (as per the technical specifications mentioned in the present tender) as per the Section-III	1.			Supporting document are to be attached
	2.			
	3.			
	4.			
	5.			

Date:

Place:

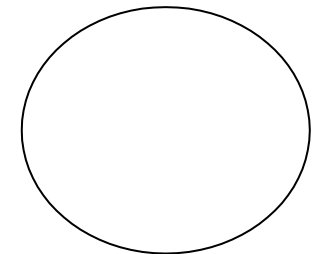
Authorized Signatory

Seal

Name:

Designation:

Contact No



ANNEXURE F

TURNOVER DETAILS

(To be submitted on Company Letter Head)

Evaluation Criteria			Remark
Bidder's Annual Turnover for last three financial years	Financial Year	Turnover in Rs.	
	2023-24		Supporting Documents are to be attached.
	2022-23		
	2021-22		

Authorized Signatory:
(Signature of the Bidder, with Official Seal)

ANNEXURE G

Form - A

NO PURCHASE PREFERENCE - SELF DECLARATION

(TO BE GIVEN BY VENDORS WITH BID)

NIT No.	To be filled by vendor
Tendered Item/ Equipment	To be filled by vendor

With reference to the above-mentioned NIT, we hereby confirm that for this case we do not wish to avail the Preference to Make in India as the made in India content / indigenous content as a percentage of the Basic Cost of the Product / Service is less than 50%.	
Indigenous %	Please Mention
Imported %	Please Mention
Name of firm	
Address	
Details of technology collaboration agreement/ transfer of technology agreement, if any.	

We undertake that any False declaration on our part is a breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which we or our successors will be debarred for up to 2 years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under the law.

Signature with seal

Form – B

SELF DECLARATION OF LOCAL CONTENT AND PURCHASE PREFERENCE

(TO BE GIVEN BY VENDORS WITH BID)

NIT No.	To be filled by vendor
Tendered Item/ Equipment	To be filled by vendor

With reference to the above-mentioned NIT, we hereby confirm that for this case we wish to avail the Preference to Make in India as made in India content / indigenous content as a percentage of the Basic Cost of the Product / Service as given below:		
Specify Indigenous %	Please Mention	
Imported %	Please Mention	
Classification	Class – I Supplier	Class – II Supplier
Name of Indian Partnering firm with document or consent letter		
Details of Location(s) of local value addition claimed as indigenous		

Note: Bidder will be required to submit a cost auditor certificate (on percentage of local content) for the procurement value more than 10 Crores along with this declaration.

We undertake that any False declaration on our part is a breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which we or our successors will be debarred for up to 2 years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under the law.

ANNEXURE – H

INTEGRITY PACT

(on non-judicial paper of appropriate value)

This INTEGRITY PACT is made and executed at _____ on this day of _____ 202_____

BY AND BETWEEN

Indian Institute of Technology Bhilai (IIT Bhilai), an autonomous organization under Ministry of Education, Govt of India and incorporated under the Indian Institute of Technology Act 1961 having its permanent campus at Bhilai, District : Durg-491002 (hereinafter referred to as “The Principal” which term or expression shall, unless excluded by or repugnant to the subject or context, mean and include its successor-in-office, administrators or permitted assignees) of the First Part;

AND

M/s. _____ a company incorporated under the Companies Act _____ through its representative/ authorized signatory _____ (Name and Designation of the Officer) vide resolution dated _____ passed by the Board of Director, having its office at _____ (hereinafter referred to as “The Bidder/Contractor” which terms or expression shall, unless excluded by or repugnant to the subject or context, mean and include its successor-in-office, administrators or permitted assignees) of the Second Part.

PREAMBLE

The Principal intends to award, under laid down organizational procedures, contract/s for _____. The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of and of fairness/transparency in its relations with its Bidder(s) and/or Contractor(s).

In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal.

1. The principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

- a) No employee of the principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the personal is not legally entitled.
 - b) The principal will during the tender process treat all Bidder(s) with equity and reason. The principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the process or the contract execution.
 - c) The principal will exclude from the process all known prejudiced persons.
2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/Contractor(s)

1. The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
 - a. The Bidder(s)/contractor(s) will not, directly or through any other persons or firm, offer promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage or during the execution of the contract.
 - b. The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/Contractors will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or documents provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the bidder(s)/contractor(s) of Indian

Supply & Installation of Pneumatic, Electropneumatic and PLC Training System at IIT Bhilai

Nationality shall furnish the name and address of the foreign principals, if any. All the payments made to the India agent/representative have to be in Indian Rupees only.

- e. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
 - f. The Bidder(s)/Contractor (s) who have signed the Integrity Pact shall not approach the courts while representing the matter to IEMs and shall wait for their decision on the matter.
2. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3: Disqualification from tender process and exclusion from future contract

If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or to terminate the contract, if already signed, for such reasons.

Section 4 : Compensation for Damages

1. If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.
2. If the Principal has terminated the contract according to Section3, or if the Principal is entitled to terminate the contract according to Section3, The Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 : Previous Transgression

1. The Bidder declares that no previous transgressions occurred in the last three years with any other company in any country conforming to the TII's anti-corruption approach or with any other public sector enterprise in India that could justify his exclusion from the tender process.
2. If the bidder makes incorrect statement on this subject, he can be disqualified from the tender process and appropriate action can be taken including termination of the contract, if already awarded, for such reason.

Section 6: Equal treatment of all Bidders / Contractors / Subcontractors.

1. In case of sub –contracting, the Principal Contractor shall take the responsibility of adoption of Integrity Pact by the Sub – Contractor.
2. The Principal will enter into agreements with the identical conditions as this one with all bidders and Contractors.
3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7: Criminal charges against violation Bidder(s) / Contractor(s) / Sub-contractors(s).

If the Principal obtains knowledge of conduct of a Bidder(s)/ Contractor(s) which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Section 8 : Independent External Monitor/Monitors

1. The Principal appoints competent and credible Independent External Monitor for this Pact after approval of Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. The Monitor will have access to all contract documents, whenever required. It will be obligatory for him to treat the information and documents of bidders /contractors as confidential. He reports to the Director, IIT Bhilai.
3. The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors.
4. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractor(s) with confidentiality. The Monitor has also signed declarations on “Non – Disclosure of Confidential Information” and of “Absence of Conflict of Interest” In case of any conflict of interest arising at a later date, the IEM shall inform the Director, IIT Bhilai.
5. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

6. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
7. The Monitor will submit a written report to the Director, IIT Bhilai within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
8. If the Monitor has reported to the Director, IIT Bhilai, a substantiated suspicion of an offence under relevant IPC/PC Act, and the Director, IIT Bhilai has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
9. The word "Monitor" word include both singular and plural.

Section 9 : Pact Duration

This pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidder 6 months after the contract has been awarded.

If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by the Director, IIT Bhilai.

Section 10 : Other Provisions

- This agreement is subject to Indian Law. Place of performance and jurisdiction is the registered office of the Principal i.e. Durg (Chhattisgarh).
- Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- If the contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

- Issues like Warranty/Guarantee etc. shall be outside the purview of the IEMs.
- In the event of any contradiction between the Integrity Pact and its Annexure, the clause in the Integrity Pact will prevail.

(For & on behalf of the Principal)

(For & on behalf of Bidder/Contractor)

(Office Seal)

(Office Seal)

Place : _____

Date : _____

Witness 1 (Name & Address):

Witness 1 (Name & Address):

Witness 2 (Name & Address):

Witness 2 (Name & Address):

CHECK LIST - UNDERTAKING

S.NO	Document Description	Enclosed (Yes/No)	Page No.	Remarks
1	Scanned copy of Tender fee and EMD payment advice of showing DU number clearly			
2	<i>EMD: Valid MSME/NSIC Exemption certificate</i>			
3	Scanned copy of OEM/ Authorized dealer certificate			
4	Details of Similar setups supplied as per Pre-eligibility			
5	Detailed Price bid			
6	Annual turnover details for last three years			
7	Scanned signed copies of Annexures from A to H, whichever is applicable			
8	Scanned copy of Technical Compliance			

I / We do hereby declare that all the above-mentioned documents are enclosed as per the tender document.

Authorized Signatory:
(Signature of the Bidder, with Official Seal)