



भारतीय प्रौद्योगिकी संस्थान भिलाई
जिला-दुर्ग, छत्तीसगढ़- 491002
Indian Institute of Technology Bhilai (IITBh)
Dist – Durg 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 and Installation of Spark Plasma Sintering Set-up 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/CIF/2024-25/186/R Dated: 09/12/2024
Place of Supply etc.	Indian Institute of Technology Bhilai Kutelabhata, Khapri, Dist - Durg - 491002, Chhattisgarh
Pre-bid Meeting date	December 11, 2024, 03:30 PM (Through Online) All queries (including technical) related to pre-bid meeting, should be reached on or before December 11, 2024 11:00 AM through email. Prior intimation is required for attending the Pre-bid meeting. Interested bidders can request the online meeting link at sp@iitbhilai.ac.in .
Bid Submission Start date	December 18, 2024, 1000 Hrs
Last Date of Submission of Bids	December 27, 2024, 1500 Hrs
Date of Opening of Technical Bids	December 28, 2024, 1530 Hrs
Tender Fee & EMD	Tender Fee - Rs. 2500/- and EMD of Rs. 3,00,000/- 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 Spark Plasma Sintering Set-up .
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: yshadangi@iitbhilai.ac.in , jose@iitbhilai.ac.in , ashutosh@iitbhilai.ac.in

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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.

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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)

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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 recognized by the Department of Industrial Policy & Promotion (DIPP), Ministry of Commerce and Industry.
Bidders not covered by para 1(a) of EMD, shall submit Bid Security Declaration as per the Government of India Order No. F.9/4/2020-PPD Dt. 12th November 2020. (Refer Format attached as Annexure - H.) The Exemption Certificate / Declaration should be enclosed in Technical Bid Only.
Those firms, who are failing to submit the Valid MSME or Bid Security Declaration (As per annexure-), their bid will be summarily rejected.
2. A scanned copy of the 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 05% 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.

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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, Dist.- Durg.

2. All the items covered in the Schedule of Requirements at Section – V must be supplied and installed **within 06-08 month** from the date of placement of purchase order.

OR

All the items covered in the Schedule of Requirements at Section – V must be supplied and installed **within 06-08 month** from the date of establishing the letter of credit (LC) and LC establishment process will be initiated after receiving the formal Order acceptance and Proforma Invoice.

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

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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 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 evaluated 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 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 (8).

9.4 The comparison between the indigenous and the foreign offers shall be made on FOR destination basis and CIF/CIP basis respectively. However, the CIF/CIP prices quoted by any foreign bidder shall be loaded further with 25-30% (depending on the equipment) of the CIF/CIP value towards customs duty, IGST and other statutory levies, customs clearance, inland transportation, currency fluctuation etc.

9.5 For the purpose of comparison of prices on an equal basis, the prices quoted in foreign currency (if any) by bidders shall be converted to equivalent Indian Rupees. The exchange rate as on the date of opening of commercial bids shall be considered for the purpose of comparison.

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(7) + 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 IIT Bhilai reserves the right to amend the eligibility criteria, commercial terms & conditions, Scope of Supply, technical specifications etc.

12.2 IIT Bhilai reserves the right to cancel the entire tender without assigning any reasons thereof.

12.3 IIT Bhilai reserves the right to place part orders.

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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 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)*****

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SECTION-II: ADDITIONAL INSTRUCTIONS TO BIDDERS (AITBs)

- (a) Delivery and Installation: The items should be supplied and installed **within 06-08 month** from the date of receipt of the Purchase Order. (For bid quoted in INR)

Or

The item must be supplied and installed **within 06-08** from the date of establishing the letter of credit (LC) and LC establishment process will be initiated after receiving the formal Order acceptance and Proforma Invoice. (For bid quoted in foreign currency)

- (c) Authorization certificate from all the original equipment manufacturers stating their support for the vendor during the equipment warranty period. The warranty of each component should be mentioned separately, if applicable.

- (d) 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)*****

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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. The bidder must be either an OEM or an authorized dealer of the original manufacturer of the proposed equipment in India. In the case of an authorized dealer, the technical quote should contain a valid original certificate provided by the original manufacturer in the name of IIT Bhilai. Both cannot bid simultaneously for the same item/ product in the same tender.
2. The bidder must have supplied a similar system/ setup in at least 2 Indian Institutes of Technology (IITs) or at least 5 Centrally Funded Technical Institutes (CFTIs) or at least 5 installations in central government lab/ Research institutes etc., or 2 foreign universities with QS ranking lower than 50. Complete list along with the contact details of the customers must be provided. Feedback from the users will be sought by the IIT Bhilai, if felt necessary.
3. Committee also reserves the right to modify the stipulated eligibility criteria at any time during the tenure of procurement.

A certificate (Affidavit) to be signed by MD / CEO of the company that they haven't been debarred or blacklisted for any services, supplies or products dealing in, by any organizations or educational Institute/ University or state/ central government and no criminal case/legal proceeding or industrial dispute is pending or contemplated against them

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. or for foreign bidders - Prices should be quoted for CIP Kolkata and CIF Kolkata Basis.
- 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.
- 1.4 The Customs Duty Exemption certificate (CDE) and DSIR will be issued in the name of supplier abroad and only if the order is placed in foreign currency.

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 before the delivery of item 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

Main equipment and major components supplied must have 05 years warranty. Warranty should cover all parts & labour starting from the date after the successful installation, 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

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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.

Any deviation to this clause, the bidder(s) should clearly mention the same in their offer.

6. Training:

Suppliers need to provide Free of Charge onsite training on applications and maintenance should be provided to at least 10 days for five persons by the certified company engineers. The first five days training must be just after installation and second five days training within one year as required by IIT Bhilai. 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. If training provided by the bidder is chargeable, the same should be clearly mentioned in their offer.

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. For foreign currency payments: 90% of the payment will be made through irrevocable Letter of Credit (LC). Balance 10% on successful installation, commissioning and acceptance by IITBh through LC, any loss due to fluctuation in foreign exchange rates will be at the beneficiary account. The LC operating charges inside India will be to IITBh account and those outside India will be to the beneficiary account. The LC confirmation charges & LC amendment charges, if requested/required, will be to the beneficiary account.
- 7.3. Payments towards AMC shall be paid at the end of each year. (if applicable)

8. Ship to

The Director,
Indian Institute of Technology Bhilai,
Durg District, 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

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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 Raipur 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. Manpower, Crane, Trolley and Fork lift facilities should be arranged by the supplier only.

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

SECTION – V: SCHEDULE OF REQUIREMENTS

S.No.	Particulars of the item required	Qty Required
1	Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai	1 Set

Specification for Procurement of Spark Plasma Sintering Set-up		
Sl.No	Feature	Specification
A. Sintering system		
1.	Frame	Tie bar design should be given or as per manufacturer's standard
2.	Furnace chamber	A front loading, Rectangular shaped chamber should be made out of stainless steel with a fully opening hinged door.
3.	Sintering Press System	Vertical Axis, servo motor pressure system should be provided.
4.	Sintering pressure	<ul style="list-style-type: none"> • 70 KN (~ 7 ton) or better • It must have capabilities for fine force control down to 200 N (0.02 ton) using AC servo motor system
5.	Sintering Stroke	150 mm or better with an open height of 200 mm or higher.
6.	Pressure Control System	Servo motor control with Digital readout and PID Digital Programmable Pressure Control or better technology.
7.	Z-axis position display	The following should be provided <ul style="list-style-type: none"> • Linear transducer to measure ram position • Digital read out (min.0.002 mm or better)
8.	Safety devices	<ul style="list-style-type: none"> • Warning Alarm System (several check points, Water temperature, flow, pumping, etc.) should be given • Three level (with Red, yellow and Green light indicators) Emergency Stop System (Automatic and manual) should be given
9.	Sintering Electrode Rods	High quality electrodes with sealed water cooling arrangement must be provided. A 70 mm diameter with user replaceable ram covers should be provided.
B. DC Pulse Generator and Energizing System		
1.	DC Pulse Generator	Following Output wave forms should be selectable: <ul style="list-style-type: none"> • DC Pulse (On/Off) • Continuous DC • Single-Phase Full Wave Rectification • Should have following pulse duration ranges: <ul style="list-style-type: none"> ➤ On time 1~999 m.sec or better ➤ Off time 1~99 m.sec or better • Should be set by touch panel on the control unit

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

2.	AC Input	On-site power availability is 3-phase with voltage rating of 415-430V at a frequency of 50 Hz. In case of other power input required, suitable transformer and other essential accessories are to be included as part of the main equipment or to be quoted as an essential accessory.
3.	DC Output	Pulse output 10V, 3000A or better
4.	Output Range	<ul style="list-style-type: none"> • Voltage 0~10V • Current 0~3000 A or better
5.	Control system	Both Automatic (PID programmable temperature controller based) and manual (with volume) mode should be available.
6.	Energizing system	<ul style="list-style-type: none"> • The energizing system should be water-cooled to enable stable long-hour operations. • Should be designed for 3000 A or better. • Bus bar system of solid copper with some flexible parts of wire harnesses should be provided.
C. Vacuum system and chamber		
1.	Chamber type	<ul style="list-style-type: none"> • Box chamber with water cooled jacket • The Chamber walls must be made from stainless steel • Double walled, sides and door, baffled design to provide efficient cooling
2.	Chamber Door	<ul style="list-style-type: none"> • Water cooled, hinged door, 300 x 300 mm (Approx.) or higher. • The hinged door should also be made from Stainless steel • The hinged door must have inspection glass port (glass must be resistant to high temperatures) • Hinged door must be water cooled too.
3.	Dimensions	Inside dimensions 280 mm x 250 mm x 300 mm (Approx.) or higher
4.	Chamber Vacuum	<ul style="list-style-type: none"> • 2 Pa or better for rotary pump • The desired vacuum must be achieved in five minutes • Vacuum level up to 5×10^{-4} Pa or better with the help of turbo-molecular pump.
5.	Vacuum meters	<ul style="list-style-type: none"> • Digital or Bourdon rough pressure gauge • Automatic Pirani/Penning gauge for high vacuum range
6.	Sintering Atmosphere	Should be able to use <ul style="list-style-type: none"> • Inert gases like Argon, Nitrogen, etc. • Under vacuum condition
7.	Automatic temperature control	PID based temperature control and current control with a capability store at least 30 to 50 programs.
8.	Temperature detector	<ul style="list-style-type: none"> • Infrared (IR) pyrometer for the measurement range up to 3000 °C. IR Pyrometer must digitally display the temperature of die and/ or punches.

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

		<ul style="list-style-type: none"> • One thermocouple system (K-type) for measuring the temperature up to 1000 °C. • The thermocouple should be sheathed type and must digitally display the temperature of die and/or punches.
9.	Operation temperature of the chamber	<ul style="list-style-type: none"> • Maximum temperature inside chamber: 2400 °C or higher • Maximum continuous working temperature: 2200 °C or higher • The chamber walls should be water cooled to reduce the surface temperature. Appropriate chiller to provide sufficient amount of cold water and to maintain the system temperature should be quoted either as part of the main equipment or as an essential accessory.
10.	De-gassing Feature	De-gassing of impurities in powders can be done using vacuum during heating as an additional steps so that the punches can open automatically multiple times to allow the impurities to go off inside the same SPS chamber before sintering starts.
11.	Cooling Mechanism	SPS should have arrangement for rapid cooling of die and punches after completion of sintering for reducing the operation time. The rapid cooling can be achieved by blowing of inert gasses on the die and punches.
12.	Necessary ports	Necessary Ports should be made available for both rams, vacuum connections, gas manifold, 2 viewing windows desired for observation, IR pyrometer, and thermocouple feedthrough etc.
D. Control unit and controls		
1.	Control unit	<ul style="list-style-type: none"> • AC Input: 200V, 50/60Hz, 4.2 kVA • Power ON/ OFF: Button Switch • Emergency stop: Button Switch • Control by PLC: Alarm should be displayed and stored. Alarms during system failure should be explained in text for clarity. • Automatic temperature and pressure control: Control of Energizing Power Supply, Pressure device and Vacuum device should be given with below parameters: <ul style="list-style-type: none"> ○ Control of Pressure and Temperature as PID digital program. ○ Indication on Touch screen in real time of SPS Current, Voltage, Temperature, Pressure, Valve positions, Pumps, Displacement and Vacuum as digital readout. ○ Display of the operation condition and warning alarm. • All essential switches for power on/off, emergency stop, temperature and pressure control should be available within the control panel. <p>Digital readouts to indicate the current, voltage, temperature,</p>

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

		pressure, displacement, vacuum etc. should be available within the control panel.
2.	Digital Data acquisition system	<p>This system must be able to send the output to the laptop in real time and the parameters like SPS current, voltage, temperature, pressure, vacuum and displacement during the operation cycle should be displayed on the screen for real time monitoring and stored using appropriate software for post-processing and analysis. Software license for data acquisition should be on perpetual basis. The upgrade in the perpetual software licence should be provided free of cost.</p> <p>A suitable laptop with the following minimum specification should be supplied along with the main equipment or quoted as an essential accessory.</p> <ol style="list-style-type: none"> i. Latest version of Windows operating system (Windows 11 or higher) and MS office 2021 professional installed. ii. Core i5 processor (12th generation or higher) with a RAM of 16 GB or higher <p>Memory with at least 500 GB SSD and 1 TB HDD.</p>
E. Temperature Detector and Pressurization System		
1.	Standard Pyrometer	<ul style="list-style-type: none"> • IR pyrometer should measure temperature in the range 600-3000 °C. • IR pyrometer must have separate window to allow unhindered view of the sample under sintering through the front window.
2.	Thermocouple system	<ul style="list-style-type: none"> • K-type thermocouple for temperature up to 1000 °C or more. • For safety surveillance, thermocouples for temperature measurement of the rams (bottom and top) should be given to avoid over heating of the rams, integrated in alarms.
3.	Positioning	<ul style="list-style-type: none"> • Precise positioning of pyrometer (and thermocouple) for detecting temperature on the internal of the die (in a 3 mm diameter hole in the graphite) is required. • LED light in the chamber to facilitate focusing of the pyrometer should be provided.
4.	Safety devices and Interlocks	<p>The Safety features with respect to the following should be given:</p> <ul style="list-style-type: none"> • Water pressure detection; Water temperature detection; Water flow switches; Door closed sensor; Flow rate detection; Over Current detection; Overload protection devices; Over current protection circuit; Ram temperature alarm avoiding over heating; Emergency stop button; Warning alarm system with light and sound.
5.	Pressurization system	<ul style="list-style-type: none"> • Servo-electric Motor (Variable speed of both actuators (0.1 mm/min to 10 mm/min) or better) • Power rating of approximately 0.35 kW or better
F. Utility Requirements		
1.	Electric Power Supply	Electrical power system compatible with 3-phase, 415 V power supply available in India.

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

2.	Water Chiller system	Closed-loop Chiller system, which will keep the temperatures on all possible surfaces at or below 25 °C should be given.
3.	Water Supply	Machine should be compatible to 0.2~0.3 MPA, 10 lit./min., 20~30 °C water supply
4.	Gas cylinder	The below-mentioned three (03) gas cylinders must be provided along with spate gas line connections: <ul style="list-style-type: none"> • Argon • Nitrogen • Argon +5% Hydrogen Pressure regulators for each cylinder must be provided.
5.	UPS	10 kVA UPS with minimum 60 min backup.
G. Essential consumables		
1.	Tools required for maintenance and operations	1 set must be supplied consisting of all the necessary tools required for maintenance and operation of SPS furnace on a day-to-day basis.
2.	Die and Punch	<ul style="list-style-type: none"> • Special Graphite die (2 pieces) (square 20x20 mm graphite die with punch) • Dies and punches made of high-density graphite with maximum temperature 2400°C or higher, and having a strength in-between 50 MPa to 90 MPa uniaxial pressure capability at this high temperature. • Dies for Workpiece having following dimensions: Dies with internal diameters of ~10 mm (5 pieces), ~20 mm (5 pieces), ~30 mm (5 pieces), ~40 mm (5 pieces) • 20 pieces for 10 mm, 20 mm, 30 mm, and 40 mm diameter each of plunger and counter plunger (If exact dimension is not available, near dimensions are acceptable) • Connection pieces, spacers and alignment pieces/tools should be included as per dimensions of dies and punches. • One tungsten carbide die and punch of 20 mm diameter. • Die and punch made from die steel (1 set). • Graphite foil of 1 square meter or more (5 sets), compatible with the die-punch set • Boron nitride spray of 500 ml or more (5 sets) • In general, Sample sizes from 10 mm to 40 mm will be fabricated. However, the SPS step-up must be capable enough for fabricating samples less than 10 mm as well as more than 40 mm diameter samples.
3.	Wearable parts	<ul style="list-style-type: none"> • 3 sets of wearables including fuse • One Thermocouple (K-type) • One set of O-rings, etc.
4.	Clamping tool	2 set
H. Additional		
1.	Warranty	Bidder should provide warranty on SPS system as well as

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

		ancillary instrument for at least five years from the date of installation at IIT Bhilai.
2.	Manpower	<ul style="list-style-type: none"> • A trained manpower for the operation and maintenance of the Spark Plasma Sintering set-up for a period of 5 years w.e.f date of installation at IIT Bhilai. The manpower has to be hired by the supplier. • MANPOWER cost will not consider for the Price evaluation.
3.	Support	<ul style="list-style-type: none"> • Bidder should be able to commit minimum 7 years of spares and service support guarantee after installation and commissioning of the system. • List of essential spares and consumables with cost estimate should be mentioned separately in quotation.
4.	Other requirement	<ul style="list-style-type: none"> • SPS must have a small footprint for space saving. • SPS must have De-gassing feature so that the de-gassing of entrapped impurities in powders can be done using vacuum and heating during additional steps inside the SPS chamber before sintering process.
5.	User List	<ul style="list-style-type: none"> • Bidder must have supplied at least two such instrument of same model in reputed institution like IITs, NITs, Government laboratory etc. in India and minimum five such SPS in abroad along with installation report. • Bidder must mention the contact details such as name, postal address and email address of the concerned person with such installation in India. • Machine should be part of serial production model; this should be substantiated with catalogue & online depiction.
6.	Operation and service manual	3 sets of hardcopy along with softcopy of operation manual must be installed on the PC or laptop.
7.	Tender Specific Authorization from Manufacturer	Vendors are required to submit the Tender Specific Authorization (Agency certificate with Tender Number) from Manufacturer.
8.	Installation and Acceptance Testing	Suppliers of the furnace must provide free installation, commissioning and testing of the equipment in the laboratory.
9.	Training	In-house training to IIT Bhilai staff and student at no extra cost should be provided at IIT Bhilai (for at least 1 week) after successful installation of SPS at IIT Bhilai.
10.	Delivery Schedule	Within 6-8 months from the date of placement of purchase order to the successful bidder.
11.	Exhaust system	Exhaust system should be provided for removal of fumes from the Rotary pump.

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

- Note: 1) Insurance Coverage - The successful bidder should provide the insurance (free of cost) to the machine /equipment till IIT Bhilai at the time of delivery due to the sensitive nature of the Machine. They should take this into consideration while quoting their bid/ quotation.**
- 2) 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.**
 - 3) The vendor should be an Original Equipment manufacturer (OEM) or direct authorized distributor and OEM authorization certificates must be submitted along with the quotation.**
 - 4) 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.**
 - 5) 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.**

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. In case of any error/mistake in the BoQ sheet, prices mentioned in the Bills of supply (pdf) document submitted by the supplier will be considered for financial evaluation.
6. 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.
7. The comparison between the indigenous and the foreign offers shall be made on FOR destination basis and CIF/CIP basis respectively. However, the CIF/CIP prices quoted by any foreign bidder shall be loaded further with 25 – 30 % (depend on the equipment) of the CIF/CIP value towards customs duty, IGST and other statutory levies, custom clearance, inland transportation, currency fluctuation etc.
8. The bids shall be evaluated on the basis of price quoted (Including GST) for Sl. No. 1 in the Commercial bid. Price quoted for the Sl. No. 2,3,4 & 5 may be considered for deciding the L1 Bidder.
9. Any information related to essential accessories or optional accessories should be mentioned in the remark's column.

Signature of the Tenderer

Seal:

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

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

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, India**

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% PO Value before the delivery of item, 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

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

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.

Specimen Signature:

Name:

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.:

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

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, India

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), Durg 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

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

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 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 anyway 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.

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

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 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 36 months for warranty period and 2 Months or 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.

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

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:

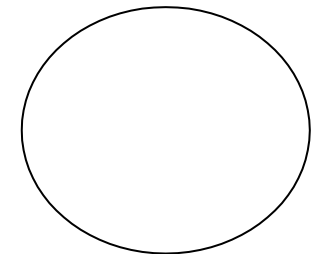
Authorized Signatory

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

**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: -
 - 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 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.

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

- 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

Supply and Installation of Spark Plasma Sintering Set-up at IIT Bhilai

S.NO	Document Description	Enclosed (Yes/No)	Page No.	Remarks
1	Scanned copy of Tender fee and EMD payment advice showing DU number clearly			
2	<i>EMD: Valid MSME/NSIC Exemption certificate along with Bid Security declaration</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 G, 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)