

Supply and Installation of Multi Target Sputtering System at IIT Bhilai



Indian Institute of Technology Bhilai (IITBh)
GEC Campus, Old Dhamtari Road, Sejbahar, Raipur, Chhattisgarh, India – 492015
www.iitbhilai.ac.in

NOTICE INVITING TENDER

FOR

“Supply and Installation of Multi Target Sputtering System”

Indian Institute of Technology Bhilai (IITBh), an autonomous body under the Ministry of Human Resource Development, Govt of India invites e-bid for **“Supply and Installation of Multi Target Sputtering 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 given along with a Tender document fee of Rs. 2,500/- (non-refundable) through SBI i-collect link.

Invitation for Bids (IFB) No & date	IITBh/Goods/CIF/2019-20/223 date 13.02.2020
Place of Supply etc.	Indian Institute of Technology Bhilai GEC Campus, Old Dhamtari Road, Sejbahar, Raipur-492015, Chhattisgarh
Prebid Meeting date	March 2, 2020, 1100 Hrs
Bid Submission Start date	March 9, 2020, 1700 Hrs
Last Date of Submission of Bids	March 30, 2020, 1500 Hrs
Date of Opening of Technical Bids	March 31, 2020, 1515 Hrs
Tender Fee & EMD	Tender Fee - Rs. 2500/- & EMD - Rs. 7,00,000/- to be payable through SBI i-collect Link https://www.onlinesbi.com/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 on line Technical e-bid)
Place of Opening of Technical Bids	Indian Institute of Technology Bhilai, GEC Campus, Old Dhamtari Road, Sejbahar, Raipur 492015, Chhattisgarh.
Contact information	Deputy Registrar (Administration) Indian Institute of Technology Bhilai, GEC Campus, Old Dhamtari Road, Sejbahar, Raipur 492015, Chhattisgarh Phone: +91-771-2973622, Email: sp@iitbhilai.ac.in For technical enquiries: Email: dhriti.ghosh@iitbhilai.ac.in

CALL INSTRUCTIONS FOR ONLINE BID SUBMISSION

Department of Expenditure has issued the directive to publish the tender document on the Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app>. The bidders are required to submit soft copies of their bids electronically on the CPP Portal using valid Digital Signature Certificates. Below mentioned instructions are meant 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. For more information bidders may visit the CPP Portal <http://eprocure.gov.in/eprocure/app>.

Registration Process

- 1) Bidders to enrol 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 take into account any corrigendum published 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.

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

- 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 bid submission process.

Bid Submission

- 1) Bidder to log into the site well in advance for bid submission so that he/she upload 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.
- 4) A standard BoQ format has been provided 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**.

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

General Instructions to The Bidders

- The tenders will be received online through 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) Scanned copy of Payment Advice (with DU number) for **Tender Fee of Rs. 2,500/- (Rupees Two Thousand Five Hundred only)** and **EMD of Rs. 7,00,000/- (Rupees Seven Lakhs only)**

Payment Instructions:

Tender fee and EMD should be paid through SBI i-collect Link given below:
<https://www.onlinesbi.com/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 on line Technical e-bid).

Refund of EMD: The EMD will be returned to unsuccessful Tenderer only after the Tenders are finalized. In case of successful Tenderer, it will be retained till the successful and complete installation of the equipment.

- 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. IITBh

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

reserves the right to reject the bid in case of discrepancy observed in the un-priced 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 2018-19, 2017-18 and 2016-17 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% 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-III – Eligibility and Qualification Criteria), product catalogues, brochures etc.

IITBh 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 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 word 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 must be supplied within **16-18 weeks** from the date of placement of work/ purchase order. Supplier should complete the installation within **two weeks** from the date of supply.

3. Amendment to Bidding Documents

3.1 At any time prior to the deadline for submission of bids, IITBh 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 institute website against this tender. The amendments/modifications will be binding on the bidders.

3.3 IITBH 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 120 days from the date of submission. A bid valid for a shorter period shall stand rejected.

6.2 IITBH 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 request 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

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

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 IITBH before the due date and time at the address specified in the tender document.

7.3 IITBH 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 reason.

8. Bid Opening & Evaluation of Bids

8.1 The technical bids will be evaluated in two steps.

a. The bids will be examined based on eligibility criteria stipulated at Section II Para 3 to shortlist the eligible bidders.

b. The technical bids of only the short listed 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 IITBH, 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 price quoted for Sl. No. 1 i.e. FESEM Setup mentioned in the Commercial bid. Price quoted for items from Sl. No. 2 to 8 will not be considered for deciding the L1 Price.

9.3 The bids shall be evaluated on the basis of the total prices including all taxes and duties.

9.4 For the purpose of comparison of prices on 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 IITBH 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 + taxes etc. of the Commercial Bids. However, IITBH 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, IITBH reserves the right to decide the criteria and further process for awarding the contract, decision of IITBH shall be final for awarding the contract.

11. End User Certificate (if applicable)

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

IITBh 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 IITBh reserves the right to amend the eligibility criteria, commercial terms & conditions, Scope of Supply, technical specifications etc.
- 12.2 IITBh reserves the right to cancel the entire tender without assigning any reasons thereof.
- 12.3 IITBh reserves 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 highest standards of ethics.
- 13.2 IITBh 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 IITBh 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, IITBh shall be final and binding on all parties.

15. Relocation of the equipment from transit campus to Permanent Campus

The bidder has to stand guarantee for the relocation of the equipment once the permanent campus of IIT Bhilai gets ready for shifting. This is the bidder's responsibility to dismantle the set up in temporary campus and reinstall it to our Kutelabhata Campus approx. 45 km away. The dismounting, packing, insurance, transport, material handling system support, unpacking, re-installation and commissioning of the system with test running and its conformity must be carried out by the bidder. Necessary charges for the same may be shown separately in their quotation. IIT Bhilai is likely to be shifted to its permanent campus within 05 years.

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

SECTION-II: ADDITIONAL INSTRUCTIONS TO BIDDERS (AITBs)

1. DELIVERY SCHEDULE

The items should be supplied and installed within 16-18 weeks.

INSTALLATION AND COMMISSIONING: Equipment should be installed and commissioned at IIT Bhilai within two weeks from the date of delivery.

2. **Pre-installation requirements:** Pre-installation requirement: The BIDDER has to state in detail the Electrical Power, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is needed to house the system and to run the tests. i.e. pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in IIT Bhilai, campus, the BIDDER shall confirm that the pre-installation requirements are sufficient for installation of the equipment. In other words, the BIDDER should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.
3. Warranty: **3 years' comprehensive on-site warranty** for all parts of the entire system including accessories supplied with the instruments from the date of successful installation and commissioning. If the system breakdowns during the warranty period, the warranty period will be extended for the full breakdown period after the expiry of initial warranty.
4. **Annual Maintenance Contract** for 3 years after the warranty period should be offered.
5. The service personnel should respond within 24 hrs and be on campus in 72 hrs for repairs.
6. The supplier shall provide uninterrupted supply of spares and accessories for a minimum period of 10 years. All the features (emitter, aperture, detectors, chiller, compressor, resolution, stage size, etc) should be available globally.
7. The bidder should submit copies of acknowledgment of Income Tax return for the last three financial years.
8. Authorization certificate from all the original equipment manufacturers stating their support for the vendor during the equipment warranty period.
9. Agency Commission (If applicable): Agency commission if any will be paid to the Indian agent in Rupees on receipt of the equipment and after satisfactory installation. Agency Commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in Tender even in case of Nil commission. The tenderer should indicate the percentage of agency commission to be paid to the Indian agent.
10. **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 OEM or representative of the foreign concern in India
 - i. In a tender, either the Indian agent on behalf of the principle/ OEM itself can bid but both cannot bid simultaneously for the same item/ product in the same tender.
 - ii. If an agent submits bid on behalf of the principle/OEM, the same agent shall not submit a bid on behalf of another principle/ OEM in the same tender for the same item/ product. There must be an authorization letter for this tender reference issued by principle/ OEM in firm of the agent.
2. The bidder must have supplied similar systems to at least 5 educational institutes/universities and/or research organizations in India and/or abroad) along with email addresses, where the similar system (having the RF etching facility in the load lock and sputter switch) has already been installed. 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. The bidder must have a minimum annual average turnover of Rs. 10 crores during the last three financial years. All bidders should submit copies of audited Statement of Accounts for those three years along with the Tender document.
4. The bidder must submit *certification from the relevant agency(ies)* for using the instrument in India.
5. Committee also reserves the right to modify the stipulated eligibility criteria at any time during the tenure of procurement.
6. 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.
7. The committee reserves the right to reject the technical bid if this condition is not satisfied.

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. IITBH 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 inclusive of all taxes and duties.
- 1.2 For imported items, price may be quoted on both FOR IIT Bhilai and CIP basis.
- 1.3 Tenderer may bid on behalf of their principals abroad. In such case, the bidders must provide the details viz. name & address on whom the Supply Order/ Letter of Credit is to be placed/ established with bank/ account details etc. in their commercial bid. In such case the EMD and Performance Bank Guarantee must be provided by the bidder in INR.
- 1.4 If IITBh places import order in foreign currency directly on supplier abroad, the customs duty payable, if any after availing exemption under customs notification no. 51/96 (amended 24/2007) will be reimbursed at actual on submission of documentary proofs/ BoE etc. The Customs Duty Exemption certificate (CDE) will be issued in the name of supplier abroad and only if the order is placed in foreign currency.
- 1.5 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.
- 1.6 In case due to any error/ oversight, the GST/Customs Duty 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.
- 1.7 IIT Bhilai is eligible for concessional rate of GST i.e. @ 5% under the Notification NO. 45/2017, Central Tax (Rate), State Tax (Rate) and/or 47/2017, Integrated Tax (Rate), dated 14.11.2017 subject to applicability of the cited clause of GST on items based on directives of DSIR and is also eligible for concessional rate of custom duty. Necessary certificate will be issued on demand.

2. Software Licenses

The software licenses, if any, shall be required in the name of 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 10% of the order value in the form of BG from any commercial bank within 14 (Fourteen) 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 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

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

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 Three (3) years covering 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, 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 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:

Supplier need to provide Free of Charge onsite training on applications and maintenance by the certified company engineers for 5 days should be provided to the nominated person(s) of IIT Bhilai at their cost, if needed. IIT Bhilai will not bear any training or living expenditure in this regard. The Supplier should arrange for regular visit to the IITBh campus by its technical team and assist in maintenance of the item/equipment within warranty period.

7. Payments

- 7.1. For foreign currency payments: 90% of the payment will be made through irrevocable Letter of Credit (LC) at site. 10% on successful installation, commissioning and acceptance by IITBh through **SWIFT**, any loss due to fluctuation in foreign exchange rates will be at beneficiary account. The LC operating charges inside India will be to IITBh account and those outside India will be to beneficiary account. The LC confirmation charges & LC amendment charges, if requested/required, will be to beneficiary account.

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

- 7.2. For INR Payment by NEFT – 90% against delivery and submission of Performance bank Guarantee and 10% against Installation, commissioning & acceptance by IITBh within 30 Days.
- 7.3. Payments towards AMC shall be paid at the end of each quarter.

8. Ship to

The Director,
Indian Institute of Technology Bhilai,
Raipur – 492 015 Chhattisgarh, 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. IITBH 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 conducting 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 Raipur jurisdiction only.

13. Risk and Ownership

Upon 90% of payment, IIT Bhilai shall become owners of goods ordered but all risks, responsibilities; liabilities thereof in all goods shall remain with selected bidder till delivery of all goods to all end users. Part deliveries shall not be treated as deliveries. Only full deliveries of all items ordered will be considered as delivery.

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

14. 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.

15. Assignment

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

16. 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.

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

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

SECTION – V: SCHEDULE OF REQUIREMENTS

TECHNICAL SPECIFICATION COMPLIANCE FOR TENDER FOR MULTI TARGET SPUTTERING SYSTEM

S.No.	IIT Bhilai Technical Specifications	Offered Specifications	Remarks
1.	General		
1.1	The equipment should be able to deposit any combination of metals, metal alloys, composites, semiconductors, insulators on semiconductor/glass/metal/alloy substrates in a single run as per the number of sputter sources and power supplies detailed herein. The system should be able to deposit multilayers/superlattice coatings. The required thickness of deposited film is upto few nanometers to 2 micron thick.		
1.2	System shall support DC, RF As well as HIPIMS Sputtering modes.		
1.3	Deposition uniformity of $\pm 5\%$ over 4" diameter substrate. A measurement certificate of thickness of any oxide (for example SiO ₂) on Si substrate of appropriate size should be provided.		
1.4	Substrate heating facility before and during deposition up to 800° Celsius, while substrate rotation is ON with accuracy of $\pm 2^\circ\text{C}$.		
1.5	Ultimate vacuum of 5×10^{-7} mbar or better in process chamber.		
1.6	Automatic operation of system. (automation should be recipe and non-recipe mode where from PC one can access and operate each device)		
1.7	The System shall be compatible to Class 100 or better clean rooms		
2.	Energy		
2.1	One DC Power Supply 500W or more of make Advanced Energy/ADL/Ametek(Glassman) or equivalent with switching controlled according to process.		
2.2	Display for power delivered, control Mode Current, Voltage or Power set point.		
2.3	One RF Power supplies 300 Watt of make Advanced Energy/ Comdell/Huttinger/SEREN or equivalent with frequency of 13.56		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

	MHz. Auto Matching Network is a must.		
2.4	1 KW or more HiPIMS Power Supply for Deposition of Hard coatings suitable for 3" Dia Magnetron		
3.	Sputtering Magnetrons		
3.1	Four sputtering magnetrons of 2" diameter and one of 3" inch diameter. The 3" magnetron will be dedicated for HiPIMS power supply.		
3.2	All magnetrons Source of make M/s GENCOA, MEIVAC, USA or equivalent in Sputter UP, off axis configuration (confocal)		
3.3	All the magnetrons (RF/DC/HiPIMS) should support reactive sputtering Modes.		
3.4	All Magnetrons should be water cooled.		
3.5	Targets to be easily mountable and replaceable.		
3.6	Should be able to deposit magnetic materials such as Ni/Co. Dedicated gun for magnetic material sputtering is <u>not accepted</u> . The system should have the versatility to convert any of the four 2" magnetrons to deposit magnetic material.		
3.7	The system should be able to accommodate targets of thickness ranging from 0.0625 inches to 0.250 inches.		
4.	Sputter Switch		
4.1	Appropriate arrangements should be made for automatic switching of RF power supply and DC power supply such that any power supply can be connected in any magnetron during sequential sputtering. The system should also be capable of co-sputtering with one RF, one DC power and one HiPIMS supply simultaneously. Computer controlled switching suitable for operation as per above.		
5.	Thickness Monitoring & Controlling		
5.1	Water cooled dual crystal sensor heads operating at fundamental frequency of 6 MHz with cross-talk shielding, height adjustment and are automatically switchable to be supplied.		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

5.2	Thickness Monitoring Monitors of INFICON/MAXTEK make or substantially equivalent to be provided along with controllers having capability to store multi-film programs (minimum 20 layers) and thickness resolution of better than 0.04 Å. The system should have thickness measurement range up to 100 µm having shutter and limit I/O relay outputs, compatible for in-situ monitoring under RF/DC sputtering modes of deposition. The system should have a user friendly programmable interface with PC for process automation and control.		
5.3	Automatic multi-channel receipt based co-deposition control and thickness monitoring to be provided for two magnetron sources.		
5.4	10 numbers of extra crystals to be included in the system		
5.5	Thickness monitor & Controller for co-deposition of upto 2 magnetrons should be offered as standard.		
6.	Substrate Holder		
6.1	2 numbers of substrate holder to handle upto 4 inch dia substrate upto 10mm thickness.		
6.2	It shall also permit to place small irregular pieces of wafers. Suitable clips should be provided to hold samples onto the holder.		
6.3	Substrate holder shall have provision for substrate rotation 0-20 RPM.		
6.4	Provision for substrate heating from room temperature to 800° Celsius +/-2 Celsius with PID Controller.		
6.5	A stepper motor driven vertical movement on substrate holder with controlled speed under vacuum. The substrate movement should be minimum of 50mm.		
6.6	The Substrate holder shall be easily detachable/ replaceable.		
6.7	DC biasing capability up to 500 DCV while depositing		
7.	Shutter		
7.1	Five Magnetron Shutters directly mounted on the Magnetrons & made up of SS304L(or superior) should be offered as standard		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

7.2	Shutter and magnetron assembly should be easily removable for cleaning.		
7.3	Substrate shutter should also be part of the system. Provisions should be there to remove the shutter out of the system if required.		
8.	Process Chamber		
8.1	Fully RF shielded, High Grade Stainless Steel, electro-polished body, cube or cylindrical shaped chamber of SS 304L grade with High grade Aluminum Front Door/flip top lid.		
8.2	Convenient sample loading and frequent replacement of target will be normal routine.		
8.3	View Ports 90 mm diameter to monitor sputtering process and plasma. Two view ports across the chamber.		
8.4	The inside of chamber shall be easily accessible and complete assembly shall be serviceable		
8.5	Minimum three additional ports with Blanks for future up gradation on process chamber		
8.6	Protective liners set: Set liners for Chamber Walls & door for protection against coating should be offered. Liner should be easily removable and made of thin electro-polished stainless steel sheet.		
9	Process Pressure Control		
9.1	Upstream pressure control which should be able to control the process pressure to +/- 0.1mbar from the set process pressure throughout the sputtering cycle		
9.2	Process gas channel – 3 MFCs one each for Argon, Oxygen & Nitrogen should be offered as standard.		
9.3	Temperature compensated 100mT range Capacitance manometer Pressure Transducer for accurate Process Pressure		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

	Control is a must.		
9.4	MFC's for oxygen, nitrogen and argon should be such that Reactive Sputtering with gas mixtures should be possible. Also, the ratio of gases should be maintained during the complete process.		
9.5	The system must have substrate gas distributor positioned at substrate level to allow for reactive sputtering without poisoning of targets		
10	Valves		
	All necessary valves to be able to have a fully automated pumping system should be included. Also, the necessary throttle valve to be able to control process pressure will have to be provided.		
11	Gauge Heads		
	All gauges should be of Edwards/ Leybold / Pfeiffer/Granville Philips make. Necessary gauges for measurement of vacuum to be included in the system. Please note a preference would be given to a system having temperature Controlled Capacitance manometer for measurement of process pressure & control. The process pressure control should be fully automated capable of controlling process pressure with a stability of +/- 0.1 mbar. Please note that the process control should be fully automated.		
12	Load Lock Chamber		
	System Load-Lock: The system will provide with manual load-Lock for loading sample holder up to 4 inch dia substrate or smallest part. Easy transport mechanism of the wafer from the load-lock chamber to the process chamber and vice-versa. Oil free turbo molecular pump pumping system to create vacuum in the load lock Chamber better than 8×10^{-6} Torr within 15		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

	minutes of the loading of the sample should be provided. Design of the system permits to use it with load-lock sample loading as well as loading through the front door.		
	Load Lock chamber should be equipped with RF Etch Facility for substrate cleaning using RF Power Supply rated for atleast 100W RF Power. RF Power Supply should necessarily have an Auto Matching Network. Please note that RF cleaning process in the load lock should be completely automated and recipe controlled using the separate MFCs. The etching/cleaning facility should have the option to choose gas i.e. either O ₂ or Ar or mixture.		
13	Gas Inlet System		
13.1	Three gas inlets with MFC's & fittings. (MFC's Make MKS / TYLAN/ HORIBA / UNIT and AREA or equivalent)		
i.	Argon 0-50 SCCM		
ii.	Oxygen 0-10 SCCM		
iii.	Nitrogen 0-10 SCCM		
13.2	Gas micro filters on each line.		
13.3	Pneumatic actuated isolation valves on each line after MFC's.		
13.4	Nitrogen venting provision.		
14	Vacuum Pumping and Measurement		
14.1	Ultimate vacuum: 5 x 10 ⁻⁷ mbar or better in process chamber.		
14.2	Total pump down time shall be less than 3 hours to achieve vacuum of 5 x 10 ⁻⁷ mbar for a properly conditioned process chamber.		
14.3	Roughing Dry Scroll Pump (Make ANESTA IWATA/ LEYBOLD / EDWARD / VARIAN or equivalent) Ultimate Vacuum less than 2 x 10 ⁻² torr 10m ³ /hrs nominal pumping speed.		
14.4	Turbo Molecular Pump 700liter/ Sec or better Make LEYBOLD/ ALCATEL/ VARIAN / EDWARD or equivalent.		
14.5	Pumping to be complete in all respect.		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

14.6	Maximum allowable leak rate < 1 X 10 ⁻⁹ mbar Lt/sec Helium.		
14.7	Suitable Stainless Steel bellow sealed pneumatically operated Valves, Roughing & Vent Valve (Make VAT / MKS / MDC I MEIVAC or equivalent) if necessary should be provided. Pumping System should be fully automatic, fully interlocked, as well as service control option offering manual unprotected access.		
14.8	Vacuum Gauging (Make Edwards / MKS / MDC or equivalent) for Pirani & Penning for measuring Vacuum inside chamber from atmosphere to 1x 10 ⁻⁸ Torr.		
14.9	Display for measuring vacuum during sputtering in milli torr or milli bar.		
15.	PC control system		
	System Automatic HMI Control PLC-PC interface with window based software for system remote control for process parameters and Manual Operation (service mode)		
16.	Control Panel		
	It should display the following:		
16.1	Selection of sputtering modes		
16.2	Target Selection		
16.3	RF/DC power		
16.4	Substrate temperature		
16.5	Process gas		
16.6	Pneumatic actuated gate valves		
16.7	Vent and purge valve		
16.8	Vacuum measurement		
16.9	Interlocks and alarms		
16.10	Chamber vacuum		
16.11	Gas flow rates		
16.12	Fault Identification		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

16.13	Security Protection through password		
16.14	Fully automated with process recipes builder based on PLC/PC.		
16.15	Two levels of security (user, service)		
16.16	Data logger with search capability online and offline.		
16.17	Activity report non-erasable		
17	Documentation		
17.1	Vendor to provide complete clean room compatible documentation/manuals soft copy/ hard copy for the systems		
i.	Installation manual		
ii.	Operation manual		
iii.	Maintenance manual		
17.2	The documentation/manual shall include all drawings, schematics, spares parts catalogues and also sub-vendor's manuals.		
18.	Support and Maintenance		
18.1	Vendor shall commit to provide spares and support for 10 years after expiry of warranty period.		
19	Sputtering Targets. (all with 99.95% or better purity),		
19.1	<ol style="list-style-type: none"> 1) Silver (Ag), 0.250-inch thickness, 2 inch diameter 2) Chromium (Cr), 0.250-inch thickness, one 2 inch and one 3 inch diameter 3) Titanium (Ti), 0.250-inch thickness, one 2 inch and one 3 inch diameter 4) Tungsten (W), 0.250-inch thickness, 2 inch diameter 5) Vanadium (V), 0.250-inch thickness, 2 inch diameter 6) Tantalum (Ta), 0.250-inch thickness, 2 inch diameter 7) Aluminum (Al), 0.250-inch thickness, 2 inch diameter 8) Copper (Cu), 0.250-inch thickness, 2 inch diameter 9) 2 Nos. Nickel (Ni), 0.0625 or 0.125-inch thickness, 2 inch diameter 10) Graphite (99.95% 99.999% C), 0.125-inch thickness, 2 		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

	<p>inch diameter</p> <p>11) 2 Nos. Indium Tin Oxide (ITO), Bonded with copper backing plate, total thickness- 0.250-inch, 2 inch diameter</p> <p>12) Aluminum oxide (Al₂O₃), Bonded with copper backing plate, total thickness- 0.250-inch, [one 2 inch and one 3 inch diameter]*</p> <p>13) 2 Nos. Zinc Oxide (ZnO), Bonded with copper backing plate, total thickness- 0.250-inch, 2 inch diameter</p> <p>14) 2 Nos. Titanium Dioxide (TiO₂), Bonded with copper backing plate, total thickness- 0.250-inch, 2 inch diameter</p> <p>15) Copper Oxide (CuO), Bonded with copper backing plate, total thickness- 0.250-inch, 2 inch diameter</p> <p>16) Molybdenum Oxide (MoO₃), Bonded with copper backing plate, total thickness- 0.250-inch, 2 inch diameter</p> <p>17) Nickel Oxide (NiO), Bonded with copper backing plate, total thickness- 0.250-inch, 2 inch diameter</p> <p>18) Vanadium Oxide (V₂O₅), Bonded with copper backing plate, total thickness- 0.250-inch,</p> <p>19) Chromium Oxide (Cr₂O₃), Bonded with copper backing plate, total thickness- 0.250-inch, 2 inch diameter</p> <p>20) 2 Nos. Aluminum doped Zinc Oxide (ZnO / Al₂O₃, 2% Standard Doping), Bonded with copper backing plate, total thickness- 0.250-inch, 2 inch diameter</p> <p>21) Tungsten disulfide (WS₂), bonded with copper backing plate, total thickness- 0.250-inch, 2 inch diameter</p>		
20	UPS		
	A minimum of 15 KVA UPS with at least 30 mins or more hours back up at full load should be provided with necessary surge protection.		
21	Inspection, Installation & Commissioning		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

21.1	The system shall be installed / commissioned at customer site. The quotation shall be inclusive of all charges, if any, for installation and commissioning of the equipment by the vendor.		
21.2	Extensive operation and maintenance training for one week at installation site (IIT Bhilai). Demonstration of the system via video conferencing in working condition before dispatch of the equipment.		
21.3	The service personnel should respond via email or phone within 24 hrs (Monday-Friday), and establish a plan for repairs within 72 hrs (Monday-Friday)		
22	Utilities		
22.1	Closed-loop chiller suitable for the sputtering system with +/- 1 C temperature stability control with noise level below 60 dB should be supplied. The Control of water flow should be interlocked with the system software.		
22.2	Alumina Grit Blaster to allow in-house cleaning of sputtering source shielding and chamber components		
22.3	The following gas cylinders of 47 litre capacity or more should be provided along with the system: <ul style="list-style-type: none"> • Ar- 2 quantities, 99.99% purity • O2- 1 quantities, 99.99% purity • N2- 1 quantities, 99.99% purity • N2- 1 quantities, normal purity for operating pneumatic valves. All necessary accessories (pipelining, regulators, flow meters, etc.) to integrate the cylinders with the sputtering system should		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

	be part of the package.		
22.4	UHV aluminum foil (w: 610mm, l: 500ft, thickness: 0.025mm)		
22.5	Vendor shall provide the details of all the utilities/ facilities such as power requirement, running load, footprint, pressure and flow rates for compressed air, process gases, cooling water, exhaust requirement etc., along with the size and types of connectors required.		
22.6	Electrical Requirement: The system shall conform to the Indian power supply standards, i.e. 230V, 50 Hz, Single Phase, or 415V, 50 Hz, Three Phase AC power with 32 Amp Capacity.		
22.7	Vendor shall provide hands on training for the customer team during installation (free of cost).		
22.8	Vendor must supply and install the facility within 18-20 weeks of the receipt of acceptable LC, and must Have supplied similar systems worldwide (please provide customer list).		
22.9	The acceptance of the system will be after the demonstration of deposition of coatings using all the three types of power (DC, RF, HiPIMS) to be demonstrated individually and in co-sputtering mode (2/3 power supply running simultaneously) with a thickness uniformity of $\pm 5\%$ over a 4 inch diameter wafer and very good adhesion at customer site		
22.10	Warranty Minimum three-year comprehensive warranty should be offered. Additionally, quote for 2 more years of warranty after standard warranty.		

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

22.11	Only reputed original equipment manufacturer (OEM) should submit the tender.		
22.12	Vendor should have a full-fledged service capability in India. A certificate for the same should be provided.		
22.13	A Spares Kit (having O-rings etc.) and Standard Tool Kit must be included in the offer as a part of basic system.		
	Note:		
1	The Vendor must have supplied similar systems to at least 5 educational institutes/universities and/or research organizations in India and/or abroad) along with email addresses, where the similar system (having the RF etching facility in the load lock and sputter switch) has already been installed.		
2	Vendor shall quote along with above compliance (specification) Chart		

Note: Bidder has to submit technical compliance sheet (with bidder specification, deviation & justification) and all the relevant documents to ensure that the technical specifications are complied

Note: For Technical Queries contact: vikas.sahu@iitbhilai.ac.in

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

*** (END OF SECTION V) ***

SECTION – VI 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. Bidder shall quote the actual GST rate applicable for the items/Setup.
5. 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.
6. 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. INCOTERMS (in case of imported item) should be clearly mentioned on the bid
3. Rates should be quoted in the accounting units (A/U) mentioned in this tender. Rates must be quoted clearly on free delivery basis at IIT Bhilai and total value is also indicated in words.
4. Any optional indicated in techno-commercial bids must be priced separately.
5. In case spares/accessories are applicable, their list and price should be clearly indicated separately.
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 bids shall be evaluated on the basis of price quoted for Sl. No. 1 i.e. **Multi Target Sputtering System Plus Sl. No. 2, 3 and 6** mentioned in the Commercial bid. Price quoted for the items from Sl. No. 4, 5, 7, 8, 9 and 10 will not be considered for deciding the L1 Price.
8. Any information related to essential accessories or optional accessories, should be mentioned in remarks column.

Signature of the Tenderer

Name of the Firm:

Contact No.:

Email:

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,
GEC Campus Sejbahar,
Raipur 492015 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 shall submit the Performance Guarantee of 10% the order value in case IIT Bhilai place the Purchase Order.
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:

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

(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 IITBH 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.:

ANNEXURE C

SUMMARY INFORMATION SHEET

Sr.	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)

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

ANNEXURE D

PROFORMA OF BANK GUARANTEE

(on non-judicial paper of appropriate value)

To,

**The Director
Indian Institute of Technology Bhilai,
GEC Campus, Old Dhamtari Road
Sejbahar, Raipur 492015 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 (IITBH), 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 IITBH 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.

IITBH 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 IITBH under any security now, or hereafter held by IITBH 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 IITBH hereunder or of prejudicing right of IITBH against the bank.

This undertaking guarantee shall be a continuing undertaking guarantee and shall remain valid and irrevocable for all claims of IITBH and liabilities of the supplier arising up to and

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

until __ (date).

This undertaking guarantee shall be in addition to any other undertaking or guarantee or security whatsoever that IITBH 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 IITBH 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 IITBH 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 (IITBH'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 IITBH hereunder.

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

You (IITBH's) shall 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.

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

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

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 IITBH 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 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 38 months 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 Multi Target Sputtering System at IIT Bhilai

ANNEXURE E

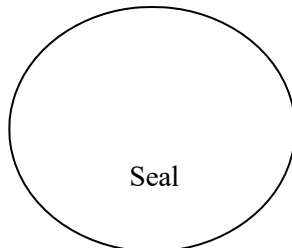
PREVIOUS WORK ORDER DETAILS

(To be submitted on Company Letter Head)

Evaluation Criteria	Name of the Client	Order No. & Date	Amount	Remark
List of Purchase Orders where the similar type of Setup Supplied and installed by you	1.			Supporting document are to be attached
	2.			
	3.			
	4.			
	5.			

Date:

Place:



Authorized Signatory

Name:

Designation:

Contact No. :

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

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.	
	2018-19		Supporting Documents are to be attached.
	2017-18		
	2016-17		

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

Supply and Installation of Multi Target Sputtering System at IIT Bhilai

ANNEXURE G

CHECK LIST - UNDERTAKING

S.NO	Document Description	Enclosed (Yes/No)	Page No.	Remarks
1	Scanned copy of Tender fee payment advise of Rs. 2,500/- showing DU number clearly or Valid MSME/NSIC Exemption certificate.			
2	Scanned copy of EMD payment advise of Rs. 7,00,000/- or Valid MSME/NSIC Exemption certificate			
3	Scanned copy of OEM/ Authorized dealer certificate			
4	Details of 5 Similar setups supplied in Educational Institutes/ universities and/ or research organizations in India and/or abroad			
5	Minimum Annual Average Turnover of 10 Crores during last 3 years. Audited Statement of Accounts.			
6	Certificate of incorporation/ Registration			
7	Annual turnover details and Income tax returns for last three years			
8	Scanned signed copies of Annexures from A to G			
9	Scanned copy of Technical Compliance/ Setup Information			
10	Technical Proposal or Offer terms and conditions			

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)