



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्व का एक संस्थान)

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD

DHANBAD, JHARKHAND, INDIA, PIN-826004

(An Institute of National Importance under Ministry of H.R.D., Govt. of India)

STORES & PURCHASE SECTION Phone:(0326) 2235678 || Email : purchase@iitism.ac.in || Website : www.iitism.ac.in

No. AppPhy-PRJ-337-18-19

Date: 9 January 2019

NOTICE INVITING TENDER

Subject: NIT No. App.Phys-PRJ-337-18-19 for Supply & Installation of Electrochemical Workstation – 01 No.

Indian Institute of Technology (Indian School of Mines), Dhanbad invites tenders/ quotations for **Supply & Installation of Electrochemical Workstation – 01 No.** in our Central Workshop Department. Particulars of tender cost, earnest money deposit and date and time of submission and opening of tenders are as under:

| S No | Items | Particulars |
|------|---|--|
| 1. | Tender cost | Rs 1180.00 (Rupees One Thousand One Hundred Eighty Only) Pl. see the Terms & Condition No. 04 |
| 2. | Earnest money deposit | Rs. 24,000.00 (Rupees Twenty Four Thousand Only) |
| 3. | Date and time for submission of tenders | 29.01.2019 at 3:00 P.M. |
| 4. | Date and time of opening of tenders | 29.01.2019 at 4:00 P.M. |

Tender document containing following document is available on the websites of <https://eprocure.gov.in/cppp> & www.iitism.ac.in/tender_page, which may kindly be referred.

1. Technical specifications as per Annexure-1
2. General terms & condition as per Annexure-II
3. Particular of Bank Guarantee towards EMD as per Annexure –III
4. Compliance Statement as per Annexure –IV
5. Financial Bid Annexure – V(A & B))

Those firms who do not want to quote may please intimate us along with reasons for same as it will help us to update our suppliers list.

Encl: As above

Assistant Registrar



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Annexure-I

Specifications:

| Sl. No. | Particulars/ Parameters | Particulars/ Parameters Range |
|---------|--|--|
| 1. | Electrode connection | 3 (Three) electrode systems |
| 2. | Output voltage range | $\pm 10V$ or better |
| 3. | Compliance voltage | $\pm 10V$ (10A) or better |
| 4. | Maximum output current | 10A |
| 5. | Current ranges | 10 nA-10A or better |
| 6. | Potential resolution | 3 μV or better |
| 7. | Current resolution | (i) For lower ($\pm 10nA$) current $\rightarrow 120 fA$ or lower (ii) For higher ($\pm 10A$) current $\rightarrow \pm 0.5A$ or lower |
| 8. | (i) Potentiostat bandwidth (ii) EIS frequency range | 1MHz or better 10 μ Hz-1MHz |
| 9. | Computer interface | Compatible, USB preferred |
| 10. | Electrodes | Platinum counter electrodes-2 nos. , Platinum mesh working electrodes-2 nos., and Ag/AgCl Reference electrodes-2 nos. |
| 11. | Accessories | Single Channel (with software) with three (3) electrode electrochemical cell setup, impedance module and PC-i5 |
| 12. | Software | Compatible software for recording, simulation & analysis for electrochemical experiment (fuel cell, supercapacitor, photo-voltaic, battery, electro-catalysis, sensors and corrosion applications), impedance spectroscopy, energy storage system and equivalent circuit fitting. |
| 13. | Functions | Manual Control, iR-compensation, Rotating disc electrode (RDE/ RRD) control, Open circuit potential (OCP) measurement, Repeat loops, Analog input & output, Floating mode, Import/export option in various data formats namely ASCII, GPES, FRA etc. |
| 14. | Warranty | A warranty for the electrochemical workstation equipment must be provided possibly for Two (2) years. |
| 15. | Price | The quoted price of the equipment should be for IIT (ISM) Dhanbad (Jharkhand) basis. |
| 16. | Applicable measurement techniques | The equipment must be capable for conducting the following experiments: (i) Voltammetric analysis, (ii) Cyclic & linear sweep voltammetry, (iii) Chrono methods for batteries, (iv) Impedance spectroscopy (EIS). Suitable software for measurement and data analysis of the above mentioned experiments must be provided along with the equipment. |



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Annexure-II

GENERAL TERMS & CONDITIONS

NIT No- AppPhy-PRJ-337-18-19

Sealed tenders under **two-bid system** are invited from manufacturers/ their authorized dealers/ agents for supply and installation in IIT (ISM) Dhanbad of items specified in *Annexure-I*.

- Offer should be submitted under **TWO-BID** system in two separate sealed covers i.e. “**Techno-commercial bid**” and “**Price bid**”.
- 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.
 - If an agent submit 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.
- Techno-commercial Bid**: should contain the following documents/information:
 - Tender Cost**: Tender cost shall be paid through SB collect only, tender cost payments through other modes viz Cash/DD/MEFT/RTGS etc, shall not be accepted. Tender cost is non-refundable and non-transferable. Venders/contractors/suppliers can pay the Tender Cost through the link: <https://www.onlinesbi.com/prelogin/collecthome.htm?corpID=272342> the receipt of tender cost must be attached with the Tender documents, **without receipt tender will be rejected**.
 - Earnest Money Deposit (EMD)**: Should be submitted in form of A/C payee demand draft drawn in favor of Registrar, IIT(ISM) and payable at Dhanbad, Jharkhand.
 - Tenders without payment of tender cost and EMD will not be considered, unless the tenderer is exempt from such payment under Govt. Rules/ Regulations as amended from time to time and claims such exemption along with relevant and valid supporting documents.
 - All relevant technical specifications/details of offered items, drawings, printed technical leaflets, and commercial details which are necessary to ensure that offer is complete in all respects should be attached with the technical bid documents.
 - A ‘Compliance Statement’ along with a certificate and duly signed that the tenderer satisfies the technical requirements given in *Annexure-I*. The said statement should be in a tabular form with the columns: sl. no., (2) technical requirement as per NIT; (3) what is offered by the tenderer; and (4) status of compliance: Complied/Not complied).
 - IIT(ISM) does not bind itself to offer any explanation to those bidders whose Technical Bids have not been found acceptable by the Evaluation Committee of the Institute.
- Further the following documents have to be furnished by the tenderers**:
 - Self attested copies of credentials in support of capability to undertake the supply/work.
 - Technical literature/catalogue with the detail specification of the material
 - Satisfactory performance certificate from their customers for same/similar supply/service must be enclosed along with the technical bid.
 - Income tax PAN, Sales tax regn. Nos. GST, & Bank A/c no., name of bank & branch.
- Price bid may please be quoted as per Annexure V (A) /V (B)**. Conditional offer will not be accepted. **Price bids of only technically qualified tenderers shall be opened in their presence on a pre-notified date and time.**
- Educational discount, if any, should be clearly mentioned.**
- IIT(ISM) is entitled for Excise Duty Exemption under Govt. of India notifications and is registered with DSIR, Govt. of India for this purpose. This may be taken into consideration while quoting minimum possible rate. *Exemption Certificates* can be issued in favour of manufacturers only. It will not be issued any Indian Agent/dealer or distributor at any circumstances. IIT(ISM) will provide only custom duty exemption certificate for availing concessional custom duty. IIT(ISM) will not pay any extra custom duty other than duty exemption certificate.
- IIT (ISM) does not issue form ‘C’ or ‘D’ for concessional Sales tax/VAT. Hence, full rate of sales tax as applicable to educational institutions against the form of certificate should be indicated.
- Warranty**: Minimum 01 year from the date of installation and commissioning at the site.
- Validity**: Offer must be valid for a period of **180 days** from the date of opening of tender



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12. **Performance Security/Performance Bank Guarantee:** Performance Security has to be submitted from the successful bidder. Performance Security should be 10% of the ordered value. Performance Security may be furnished in the form of Bank Guarantee/Demance Draft from any Nationalized Bank only and. Performance security should remain valid for a period of two months beyond the date of completion of all contractual obligations of the successful bidder(s). No interest will be payable by IIT (ISM) Dhanbad on the Performance Security deposited. In case the contractor fails to provide satisfactory service, the Performance Security submitted by the bidder(s) is liable to be forfeited. An undertaking to this is to be submitted.
13. **Delivery Period and Liquidated Damage:** The ordered materials/work complete in all respects are required to be delivered and installed within the period stipulated in the purchase order failing which liquidated damages of 1% per week for the delayed period subject to maximum of 5% of the total basic value of the order shall be deducted from the invoice of the supplier.
14. **Inspection:** Inspection shall be carried out at IIT (ISM), Dhanbad after arrival of the materials and decision of the Institute in this regard shall be final.
15. **Rejection and Replacement:** Rejection, if any, shall be notified to the supplier within 30 days of receipt and inspection of the material/workmanship. Rejected materials/work is to be removed by the supplier at his own risk and cost from IIT (ISM). Campus within 14 days of intimation of rejection. Defective Supplies are required to be replaced within 15 days of the removal of the rejected materials/work.
16. **Risk Purchase:** IIT (ISM) shall be at liberty to realize from the supplier the differential amount, if any, which it shall have to incur on purchase of the material/work at higher price(s) from elsewhere in the market, if the supplier, due to their fault, fails to supply the ordered quality and quantity of the material/work within the stipulated time.
17. Conditional offer will not be accepted.
18. **Payment:** Payment will be released within 30 days (In case of inside in India)/ outside India through LC only) after satisfactory supply, inspection, installation/commissioning & acceptance and on submission of pre-receipted tax invoice, delivery challan, warranty certificate and installation report in triplicate and Performance Bank Guarantee. The invoice should be duly certified by the Head of Dept to which supply is made or any other IIT (ISM) official authorized for this purpose.
19. Your full address for correspondence and name address of the beneficiary's banker should be clearly indicated in the offer. **Institute does not make any advance payment.** However, as a special case 90% Letter of Credit Payment term is accepted only in case of foreign supplier and balance 10% through wire transfer after satisfactory, installation report received from the user department.
20. **Last date** for receipt of tenders and date & time for opening of the same is given in page- 01. The tenders will be opened in the presence of representatives of tenderers present. ***In the event last date is a holiday/declared as a holiday, next working date will be the last date for submission/ opening of tender.***
21. Tender should be submitted in a sealed cover/envelope and must be superscribed as under:
“Tender No. NIT No. App Phy-PRJ-337-18-19 (Supply & Installation of Electrochemical Workstation – 01 No as per attached specification.
 - i) All tender shall be received upto to the time and date as stated in the tender notice, after which no tender shall be accepted in any circumstances.
 - ii) All tender must be sent by Registered Post/Speed Post/Courier along with Courier receipt, during IIT (ISM) working days only (i.e. Monday to Friday). Please note that no hand delivery of tender will be received at any circumstances.
22. The Institute at its discretion may change the quantity/quality/parameters/upgrade the criteria/drop any item(s) or part thereof at any time before placing the order. In case of any dispute, the decision of IIT(ISM) shall be final and binding on the bidders/tenderers.
23. The Institute reserves the right to accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid.



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ABOVE TERMS AND CONDITIONS OF THE NIT ARE ACCEPTED

| | | |
|----|---|--|
| 1 | Name and address of the tenderer | |
| 2 | Telecom nos. of the tenderer i.e. phone fax, & email id. | |
| 3 | Signature, name & designation of the person signing on behalf of the tenderer & his/her office seal | |
| 4. | Name & designation of the contact person & his phone/mobile no. | |



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Annexure-III

FORMAT OF BANK GUARANTEE TOWARDS EMD

Whereas _____ (hereinafter called “the Bidder”) has submitted its bid dated _____ (date of submission of bid) for the supply of _____ (name and/or description of the goods) (Hereinafter called “the Bid”) against Tender Document No. _____ of the Indian School of Mines, Dhanbad.

KNOW ALL PEOPLE by these presents that WE _____ (name of bank) of _____ (name of country), having our registered office at _____ (address of bank) (hereinafter called “the Bank”), are bound unto _____ (name of Purchaser) (hereinafter called “the Purchaser”) in the sum of _____ for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this _____ day of _____ 2009.

THE CONDITIONS of this obligation are:

1) If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or

2) If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity:

(a) fails or refuses to execute the Contract Form if required; or

(b) fails or refuses to furnish the performance security, in accordance with the Instruction to Bidders;

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to six months from the date of opening of tender or the period of the bid validity whichever is later and any demand in respect thereof should reach the Bank not later than the above date.

Signature of the Bank



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Annexure-IV

Compliance Statement

| Sl. No | Technical requirement as per NIT | What is offered by the tenderer | Status of Compliance Complied/Not Complied |
|--------|----------------------------------|---------------------------------|---|
| | | | |



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No. AppPhy-PRJ-337-18-19

Date: 9 January 2019

Annexure –V A

1. PRICE SCHEDULE FOR GOODS BEING OFFERED FROM ABROAD

Name of the Bidder_____

NIT Reference No. _____

File Reference No. _____

| Sl. No. | Description/Part No./Make Model | Quantity | Unit Price (in foreign currency) | Total Amount (in foreign currency) |
|---|---------------------------------|----------|----------------------------------|------------------------------------|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| Total Ex-Works Price- | | | | |
| Packing & Forwarding and inland freight | | | | |
| *FCA (at port) | | | | |
| Terminal charges, loading on vassal | | | | |
| **FOB (name of port) | | | | |
| Air freight & insurance up to destination port | | | | |
| *CIF | | | | |
| Carrier charges & insurance up to final destination | | | | |
| **CIP | | | | |
| Concessional Custom Duty (Against DSIR Certificate) | | | | |
| IGST rate (Against IIT (ISM) Certificate) | | | | |
| Other Duties taxes/clearance charge, if any | | | | |
| Transportation charges up to IIT ISM Dhanbad | | | | |



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| | |
|--|--|
| -Chargeable weight/Gross weight of consignment | |
| Indian agency Commission (%) | |
| Installation & Commissioning charge | |
| Training charges, if any | |
| Additional Warranty Charges, if any | |
| Annual Maintenance Charge, if any | |
| Educational discounts, if any | |

*&** Mandatory requirement

Total Bid Price_____ in words_____

Note :

Total Bid price in foreign currency _____ in words

(a) Indian agent name & address_____

(b) Installation, commissioning & training charges, if any_____

(C) Please note that Indian agents' commission shall be paid in Indian Rupees only.

(d) Banker's details such as- Name of account holder, Account Number, Name of Bank, Branch code, RTGS code, NEFT code, SWIFT code etc.

(f) Price schedule of optional items shall be indicated in a separate sheet in the same performa.

(g) Quoting Price for FOB/FCA and for CIF/CIP basis, otherwise bid will be rejected.

(h)Wherever the price quoted on FOB/FCA and CIF/CIP basis are the same, the contract would be made on CIF/CIP basis only.

(i) Country of Origin Dimension and Gross Weight must be provided.

Signature of Bidder

Name _____

Business Address_____



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Annexure –V B

2. PRICE SCHEDULE FOR GOODS BEING OFFERED WITHIN INDIA

Name of the Bidder_____

NIT Reference No. _____

File Reference No. _____

| Sl. No. | Full Description of items with (HSN Code/SAC Code) | Quantity | Unit Price (in INR) | Total Amount (in INR) |
|--|--|----------|---------------------|-----------------------|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| Ex-Works Price- | | | | |
| Packing & Forwarding | | | | |
| Transportation | | | | |
| FOR (IIT ISM) Dhanbad | | | | |
| <u>GST/IGST (their rate(s) as the case may be, clearly specified)</u> | | | | |
| Please note that IIT ISM is eligible for Concessional GST as per Notification No. 45/2017- Central Tax (Rate) for CGST, 45/2017-State Tax (Rate) for SGST and 47/2017-Central Tax (Rate) for IGST, | | | | |
| Insurance up to Destination/handover (in case of fabrication) | | | | |
| Installation & Commissioning charge | | | | |
| Training charges, if any | | | | |
| Additional Warranty Charges, if any | | | | |
| Annual Maintenance Charge, if any | | | | |

(On the basis of the technical specifications submitted)

Total Bid Price_____ in words_____

Note:



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(a) The Price schedule of optional items shall be indicated in a separate sheet in the same Performa.

(b) Cost spare parts may be indicated separately

Signature of Bidder

Name _____

Business

Address _____