

No. App Phy-PRJ-337-18-19

### Corrigendum

Reference No.: No. App Phy-PRJ-337-18-19 dated 22 January 2019 Subject: To change SL. No. 15 in Annexure – 1 & extension of date for submission and Opening of Bids for Supply & Installation of Electrochemical Workstation – 01 No.

S No	Existing Annexure- 1	Proposed to be Annexure – 1 as
1	Sl. No. (15) Price: - The quoted price of	Sl. No. (15) Price: - The quoted price
	the equipment should be for IIT(ISM)	of the equipment should be as per
	Dhanbad, Jharkhand basis.	Annexure V 'A' & V 'B'.

Particulars	Date & Time			
Last date and time for	<del>29.01.2019 at 3:00 P.M.</del>	08.02.2019 at 3:00 P.M.		
submission of tenders				
Date and time of opening of	<del>29.01.2019 at 4:00 P.M.</del>	08.02.2019 at 4:00 P.M		
tenders				

The others terms & condition of the tender will remain the same

Assistant Registrar (P&S)

Date: 22 January 2019

GSTIN: 20AAAAI0686D1ZA



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्त्व 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. App Phy-PRJ-337-18-19

Date: 22 January 2019

### **NOTICE INVITING TENDER**

## Subject: NIT No. App.Phy-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	08.02.2019 at 3:00 P.M. 29.01.2019 at 3:00 P.M.		
	tenders			
4.	Date and time of opening of tenders	08.02.2019 at 4:00 P.M 29.01.2019 at 4:00 P.M.		

Tender document containing following document is available on the websites of <u>https://eprocure.gov.in/cppp</u> & <u>www.iitism.ac.in/tender\_page</u>), 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

GSTIN : 20AAAAI0686D1ZA



# भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्त्व 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

### Annexure-I

### **Specifications:**

Sl. No.	Particulars/ Parameters	Particulars/ Parameters Range			
1.	Electrode connection	3 (Three) electrode systems			
2.	Output voltage range	$\pm 10$ V 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	$3 \mu V$ or better			
7.	Current resolution	(i) For lower ( $\pm 10$ nA) current $\rightarrow 120$ fA or lower			
		(ii) For higher ( $\pm 10A$ ) current $\rightarrow \pm 0.5A$ or lower			
8.	(i) Potentiostat bandwidth	1MHz or better			
	(ii) EIS frequency range	10µHz-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			
15	D :	must be provided possibly for <b>Two</b> (2) years.			
15.	Price	The quoted price of the equipment should be for IIT (ISM)			
16	Applicable maggurament	Dhanbad (Jharkhand) basis.			
16.	Applicable measurement	The equipment must be capable for conducting the following			
	techniques	experiments:			
		(i) Voltammetric analysis,			
		(ii) Cyclic & linear sweep voltammetry,			
		(iii) Chorono 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.			

GSTIN : 20AAAAI0686D1ZA



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्त्व 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. App Phy-PRJ-337-18-19

Date: 22 January 2019

### 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*.

- 1. Offer should be submitted under **TWO-BID** system in two separate sealed covers i.e. "*Techno-commercial bid*" and "*Price bid*".
- 2. a) 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.

b) 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.

- 3. Techno-commercial Bid: should contain the following documents/information:
  - 4. Tender Cost: Tender cost shall be paid through SB collect only, tender cost payments through other modes viz Cash/DD/MEFT/RTGS shall be accepted. Tender non-refundable etc. not cost is and non-transferable. Venders/contractors/suppliers the Tender Cost through the link<sup>.</sup> can pay https://www.onlinesbi.com/prelogin/icollecthome.htm?corpID=272342 the receipt of tender cost must be attached with the Tender documents, without receipt tender will be rejected.
  - **a.** 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.
  - **b.** 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.
  - **c.** 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.
  - d. 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).
  - *e*. 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.

#### 5. Further the following documents have to be furnished by the tenderers:

- a) Self attested copies of credentials in support of capability to undertake the supply/work.
- b) Technical literature/catalogue with the detail specification of the material
- c) Satisfactory performance certificate from their customers for same/similar supply/service must be enclosed along with the technical bid.
- d) Income tax PAN, Sales tax regn. Nos. GST, & Bank A/c no., name of bank & branch.
- 6. 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.
- 7. Educational discount, if any, should be clearly mentioned.
- 8. 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.
- 9. 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.
- 10. Warranty: Minimum 01 year from the date of installation and commissioning at the site.
- 11. Validity: Offer must be valid for a period of 180 days from the date of opening of tender



### GSTIN : 20AAAA10686D1ZA भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्त्व 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

- 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.



No. App Phy-PRJ-337-18-19

Date: 22 January 2019

### 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.	



No. App Phy-PRJ-337-18-19

Date: 22 January 2019

**Annexure-III** 

### FORMAT OF BANK GUARANTEE TOWARDS EMD

	KNOW	ALL	PEOPLE by th	lese pres	ents that	WE					(na	me
of	bank)	of			(name	of	country),	having	our	registered	office	at
										(address	of ba	nk)
(he	reinafter	calle	d "the Bank"),	are bou	nd unto						_ (name	e of
Pu	chaser)	(herei	nafter called "	the Purcl	haser") ii	n the	sum of			for which	h paym	ent
wil	l and tru	ly to l	be made to the	said Pur	chaser, t	he Ba	ank binds it	self, its su	iccesso	rs, and assig	ns by th	ese
pre	sents. Se	ealed v	with the Comm	on Seal	of the sai	id Ba	nk this	day of	f	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 <u>six months</u> 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



No. App Phy-PRJ-337-18-19

Date: 22 January 2019

**Annexure-IV** 

### **Compliance Statement**

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



No. App Phy-PRJ-337-18-19

Date: 22 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-Wo	orks Price-			
Packing & F	orwarding and inland freight			
*FCA (at por	rt)			
Terminal ch	arges, loading on vassal			
**FOB (nan	ne of port)			
Air freight &				
*CIF				
Carrier char	ges & insurance up to final destination			
**CIP				
Concessiona				
IGST rate (A				
Other Dutie				
Transportat				



### भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

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 : drps@ismdhanbad.ac.in || Website : www.iitism.ac.in

-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\_\_\_\_\_



### Annexure –V B

### 2. PRICE SCHEDULE FOR GOODS BEING OFFERED WITHIN INDIA

Name of the Bidder\_\_\_\_\_

NIT Reference No.

File Reference No.

S1.	Full Description of items with	Quantity	Unit Price (in	Total
No.	(HSN Code/SAC Code)		INR)	Amount (in INR)
1.				
2.				
3.				
Ex-W	orks Price-			
Packi	ng & Forwarding			
Transp	portation			
FOR				
<u>GST/</u>				
	note that IIT ISM is eligible for Cond		-	
	5/2017- Central Tax (Rate) for CGST, and 47/2017-Central Tax (Rate) for I		<u>Tax (Rate) for</u>	
<u> 3031</u>				
Insura	ance up to Destination/handover (in ca	ase of fabricatio	n)	
Instal				
Train				
Addit				
Annu				
(On t	he basis of the technical specification	s submitted)		1

(On the basis of the technical specifications submitted)

Total Bid Price\_\_\_\_\_ in words\_\_\_\_\_

Note:



(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\_\_\_\_\_