GSTIN: 20AAAAI0686D1ZA



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन एवं विकास मंत्रालय, भारत सरकार के अधीन एक राष्ट्रीय महत्त्व का 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@ismdhanbad.ac.in || Website: www.iitism.ac.in

No. CERE-500244-2017-18

Date: 11 September 2017

NOTICE INVITING TENDER

Subject: NIT No. CERE-500244-2017-18 for Supply & Installation of Glove Box with accessories.

(Due date 03.10.2017)

Indian Institute of Technology (Indian School of Mines), Dhanbad invites tenders/ quotations for Supply, Installation, Glove Box with accessories - 01 No in our CERE 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.1,000.00 (Rupees One Thousand Only)
2.	Earnest money deposit	Rs. 46,000.00 (Rupees Forty Six Thousand Only)
3.	Date and time for submission of tenders	03.10.2017 at 1:00 P.M.
4.	Date and time of opening of tenders	03.10.2017 at 4.00 P.M.

Tender document containing following document is available in our website www.ismdhanbad.ac.in/tender page), which may kindly be referred.

- 1. Technical specifications as per Annexure-I
- 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)

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

Specification of Glove Box with accessories

Sl.No	Specifications	Description
1	Glove Box Dimension and Material	 Internal Dimensions (mm):900-950(Height)x1200-1250(Length)x725 775(Depth) Material of Construction: Stainless Steel (type 304) with Brush Finished inside wall Thickness(mm):2.5-3 Environment:Nitrogen or Argon Performance: N₂or Argon levels (< 1 ppm) Suitable arrangement (1 inch dia vacuum chuck) for Spin Coater connection One more vacuum chuck for substrates from 10x10mm up to 4"x4" to be included. Suitable space for one high precision electronic weight balance inside the Glove Box
2	Glove Ports and Windows	 Total:02 nos. polycarbonate glove ports Diameter (mm): 220-230 Material: Laminated safety glass/scratch resistant Polycarbonate windows to be provided Additional two pair Gloves Sealing: O ring sealed (5 set extra needs to be supplied at free of cost) Glove Port Cover- 01 no
3	Foot pedal	Should be water proof/safety and comfort valve
4	Electrical Points:	Power Points: 04 nos.(two points for 5 Amp & two for 15Amps)
5	Stands	 Material: Stainless steel Height(mm): 900-1000, with leveling feet and casters and machine feet (height adjustable) Easy operational Door lock, spindle lock.
6	Shelves	 Total: 3 x Height Adjustable shelves Dimensions: Minimum 1000mm (L) x 220mm (D) Material: Stainless steel
7	Feed through (leak proof)	Should be quoted as per the offered system's requirements
8	Filters	Dust filter 0.3 micron, (1) gas inlet, (1) gas outlet class H13,
9	Main Antechamber	 Total:One Cylindrical ante chamber with stainless steel sliding tray Material of construction: Stainless Steel 1.4301 Door Sealing Mechanism: suitable locking system Flat anodized Aluminum doors with minimum thickness of 10 mm Dimensions (mm):380-400mm diameter Length (mm): 500-600 Pressure gauge, analog display. Leak rate <10⁻⁵ mbar 1/s Vacuum/Refill process -manual operation via hand valves.
10	Tray	Should consist of a stainless steel sliding tray, details should be provided.
11	Mini Antechamber	 Total: 01 Material of construction: stainless steel Diameter (mm): 150-160 Length (mm): 400-410 Hinged doors inside and outside with sliding tray should be comfortably placed for easy handling.
12	Vacuum Pump	 Type: Scroll Pump - 220 (±10%) V, 50Hz Pumping speed: Minimum 12 m³/h Pumps need to achieve pressure ≤ 10⁻² mbar Operational Voltage and Ampere rating: 12 VDC, 2A Automatic Switch off mechanism
13	Flow piping and fittings	Should be made of stainless steel
14	Power	 Lighting: LED/Fluorescent lamp: front mounted Operating Voltage: 220V(± 10 %), 50 (± 5 %), Hz, details of receptacle/socket to be provided.



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	8	All cables and wires should be supplied to integrate all accessories for smooth running of the equipment
15	Oxygen Probes/ analysers	 Measuring range: 0-500 ppm Accuracy: +/- 1 ppm in full range Probe/analyzer: Solid state/electrochemical, PLC controlled It should be free from frequent calibration. Solvent adsorption chamber, minimum 5kg activated carbon, with inline and bypass modes. Leak rate <0.05 vol/h (acc. to ISO 10648-2)
16	Moisture probes/ analysers	 Measuring Range: 0-500 ppm Accuracy: +/- 1 ppm in full range Probe/analyzer: Solid state, PLC controlled
17	Purifier unit	 Single column (SP) or superior Attainable purity levels H₂O < 1 ppm, O₂< 1 ppm (at complete pressure range). Material: Stainless steel pipe Removable capacity: oxygen minimum 25 liter (or better) and moisture minimum 1000 g (or better) Rotary vane pump Auto regeneration Integrated blower with flow rate > 45 m³/h. Automatic blower speed reduction / increase back to 100%, based on O₂ and H₂O levels.
18	Solvent Trap	Inline solvent trap with minimum 1 kg activated carbon
19	Regeneration unit	 Fully Automatic, PLC controlled regeneration with necessary rotary vane pump and with Automatic switch-off mechanism for pump when antechamber not in use
20	High precision electronic weight balance	 Total:01 no. Range: 0.1mg to220g Automatic internal calibration
21	System Controller	 PLC Controller with color touch panel for operation of all Glove box functions. Automatic box pressure control with foot switch (+15 mbar, -15 mbar) with sensor inside box, vacuum free pressure adjustment Box trending capabilities
22	Guarantee/ Warranty:	 The entire equipment should be guaranteed for a period of 1 year from the date of completion of successful installation. AMC charges for 3 years beyond the warranty period of 1 year should be quoted separately as optional.
23	Terms and Conditions	 The vendor should have experience of supplying minimum five similar systems in India (preferably in the eastern part of India). Performance certificate from five different users (with seal and signature) should be provided Vendor should have authorized agents in India (preferably in eastern India to provide after sale service support and maintenance in case of foreign manufactures Vendors may be called for clarification about their quoted specification, for demonstration and discussion, if required. No TA/DA and accommodation will be provided in that case. If any vendor doe not attend, it will be presumed that the vendor is not interested and in that case, quotation of the vendor will not be considered for technical qualification. Country of manufacturing and port of shipment must be mentioned

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No. CERE-500244-2017-18

Date: 11 September 2017

Annexure-II

GENERAL TERMS & CONDITIONS NIT No. CERE-500244-2017-18

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-1.

- 1. Offer should be submitted under TWO-BID system in two separate scaled 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:
 - Tender Cost: Cost of the tender document is to be paid by way of an A/C payee demand draft for an amount indicated in Page No 01 and drawn in favor of Registrar, IIT(ISM) Dhanbad and payable at SBI, ISM campus branch or any other Bank/ Branch located in Dhanbad. Tender cost is non-refundable and non-transferable. Alternatively, intending tenderers may download the complete set of tender document from IIT (ISM) website (www.ismdhanbad.ac.in) and submit the same duly signed on all pages by the tenderers along with demand draft for tender cost
 - 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 SBI, IIT (ISM) campus branch or any other Bank/ Branch located in Dhanbad. It can also be submitted in the form of bank guarantee issued by a Nationalized Bank in India in the format given in Annexure-IV.
 - 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-1. 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.
 - 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, GSTIN No., HSN Code/SAC Code & Bank A/c no., name of bank & branch.
- 5. Price should be quoted on FOR, IIT(ISM) Dhanbad basis in case of Indigenous supply and CIF, Kolkata basis as well as FOR IIT(ISM) Dhanbad basis in case of foreign supply. The packing, forwarding, freight and transit insurance charges, if any must be included in the price and should not be claimed separately. Duties & taxes, if applicable, are to be shown separately clarifying whether those are extra or included in the price. Price bids of only technically qualified tenderers shall be opened in their presence on a pre-notified date and time
- 6. Educational discount, if any, should be clearly mentioned.
- 7. 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.
- 8. 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.
- 9. Warranty/Guarantee: Minimum 01 year from the date of installation and commissioning at the site.
- 10. Comprehensive Annual maintenance contract (AMC): Minimum 03 years on expiry of warranty on yearly basis should be quoted. Offer including terms & conditions should be quoted on per year basis to enable purchaser make AMC for any period from 01 to 03 years. .



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- 11. Validity: Offer must be valid for a period of 180 days from the date of opening of tender
- 12. Performance Bank Guarantee (PBG): A bank guarantee issued by a Nationalized Bank in India towards PBG for an amount equal to 10% of basic value of purchase order and valid towards PBG for an amount equal to 10% of basic order value of purchase order and valid till the period beyond two months of completion of warranty period should be submitted in favour of REGISTRAR, IIT (ISM) DHANBAD.
- 12. 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.
- 13. 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.
- 14. 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.
- 15. 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.
- 16. Conditional offer will not be accepted.
- 17. Payment: will be made 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.
- 18. 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% after satisfactory, installation report received from the user department.
- 19. Country of origin and port of shipment should be stated in your offer clearly.
- 20. Name and address of Indian Agent, percentage of agency commission, if any and role of the Agent with respect to the subject supplies and a statement thereon that "Agency Commission is included in the
- 21. FOB/CIF price of the offer" should be clearly indicated in your offer.
- Earliest/ expected delivery period should be clearly indicated.
- 23. Packing should be suitable for 'Air freight'.
- Please note that no part shipment/transshipment/third party shipment is acceptable to us.
- 25. 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.
- 26. Tender should be submitted in a sealed cover/envelope and must be superscribed as under:
 - "Tender No. CERE-500244-2017-18 (Supply & Installation of Glove Box with accessories (03.10.2017 at 4.00 p.m.). i)
 - All tender shall be received up to the time and date as stated in the tender notice, after which no tender shall be accepted ii)
 - All tender must be sent by Registered Post/Speed Post/Courier along with Courier receipt, during IIT (ISM) working iii) days only (i.e. Monday to Friday). Please note that no hand delivery of tender will be received at any circumstances.
- 27. 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.
- 28. 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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No. CERE-500244-2017-18

Date: 11 September 2017

Annexure-III

FORMAT OF BANK GUARANTEE TOWARDS EMD

Whereas (date of submission goods) (hereinafter	(hereinafter called of bid) for the supply called "the Bid") again	- 6				(name a	nd/or description ndian School of	of the Mines,
Dhanbad.								
	ALL PEOPLE by these	procents that WE				(name of bank)		
KNOW ALL	_ (name	of	country),	having	(address of	registered bank) (hereina	fter called "the E	at Bank"),
are bound unto	for which navme	nt will and	truly to be m	ade to the said I	urchaser, the	e Bank binds it	urchaser") in the tself, its successo	rs, and
assigns by these pre	sents. Sealed with the	Common S	leal of the said	d Bank this	day of	2009.		
1) If the Bidder with	TONS of this obligation hadraws its Bid during	the period o						
2) If the Bidder, have	ving been notified of the	ne acceptan	ce of its bid b	y the Purchaser	during the pe	riod of blu van	uity.	
(b) fails or refuses to We undertake to substantiate its docurrence of one of this quarantee will	to execute the Contract to furnish the performs to pay the Purchaser to lemand, provided that or both of the two conditions in force up to and in respect thereof s	nce securit up to the ab in its dema litions, spec six month	y, in accordate ove amount und the Purchastifying the oc from the da	aser will note that curred condition te of opening of	t the amount or conditions tender or the	claimed by it	15 640 10 11, 0	

Signature of the Bank

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Annexure-IV

Compliance Statement

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

A119/17

GSTIN: 20AAAAI0686D1ZA



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Annexure - V

Format for Financial Bid

NIT No.: CERE-500244-2017-18

Date:

Bidders Ref: No.

Date:

GSTIN No.:

Subject: Supply & Installation of Glove Box with accessories

11 (1001 G. 1) (SAC Code)	Qty.	Rate	Amount	
Sl. No. Full Description of Items with (HSN Code/SAC Code)				
		11 (16		
	Packing & F	orwarding (if any		
		Tota	1	
		GS	Γ	
		Freight (if any)		
		Installation (if any)		
Amount should be in figure as well as word		Grand Total		

1) All the details must be provided as per prescribed format only

2) Prices quoted by the bidders should include GST, HSN Code, SAC Code, duties, livies, transportation cost and insurance costs etc. if any

3) All the rates must be quoted in Indian Rupees.