



# 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. IIIF/500337/17-18

Date: November 22, 2017

## NOTICE INVITING TENDER

### **Subject: Supply & Installation of Video-Conference System .**

Indian Institute of Technology (Indian School of Mines), Dhanbad invites quotations for the following to be supplied and delivered at IIIF Kolkata.

### Tender Schedule

Particulars	Date & Time
Tender cost	Rs.500.00 (Rupees Five Hundred only)
Bid Security or Earnest money deposit (by way of an A/C payee demand draft and drawn in favor of Registrar, IIT(ISM) Dhanbad and payable at SBI, ISM campus branch or any other Bank/ Branch located in Dhanbad)	Rs 12,000.00 (Rupees Ten Thousand only)
Last date and time for submission of bids	12.12.2017 at 3:00 P.M.
Date and time of opening of bids	12.12.2017 at 4.00 P.M.

S No	Full Description of items/ store			Qty	Delivery
1	Sr. No.	Description	Specification Parameter	01 No.	At the earliest
	1	Package	Full HD 1080p camera, codec, Microphone Array, cables, and remote control		
	2	Video Standards and Resolutions	It should support H.323, SIP standards for communications.		
			It should support H.261, H.263, H.264 AVC/ SVC, H.264 High Profile		
			It should support 1080p 60 fps, 1080p 30 fps, 720p 60 fps and 720p 30fps		
	3	Content Standards and Resolutions	It should support content sharing using standard based H.239 and BFCP over SIP at resolution HD1080p60.It should also support audio from PC used for content sharing.		
			It should transmit both people and content both simultaneously to the far end location at 1080p 30fps		
	4	Audio Standards and Features	It should support G.711, G.728, G.729A, G.722, G.722.1, AAC-LD or better		
			It should support 20kHz bandwidth with crystal clear audio and stereo sound.		
			Automatic Gain Control and Automatic Noise Suppression		
			Keyboard noise reduction and instant adaptation echo cancellation		



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5	Video and Audio Inputs	1 x HD input for connecting main HD camera
		1 x HDMI input for connecting PC/Laptop to share HD content
		1 x Microphone Input(Support for minimum 2 mics)
		1 x 3.5mm stereo line-in
6	Video and Audio Outputs	2 x HDMI output for connecting main monitor & second monitor.
		1 x 3.5 mm stereo line-out
7	Other Interfaces	1 x 10/100/1000 LAN port
		2 x USB 2.0 for software upgrade and connecting external devices
		1 x RS-232 mini-DIN 8-pin
8	Camera	It should support 1080p60fps with 10x optical zoom and 65° field of view.
		It should support PAN Range of +/-100°, and Tilt of +/-20°
9	Network Features	H.323 and SIP bandwidth up to 6 Mbps
		IPv4 and IPv6 support from day one
		Auto Gatekeeper Discovery
		IP Precedence
		H.323 based Packet Lost Recovery
10	Multisite Feature	It should support atleast 4 sites at 720p with inbuilt software or by using external hardware device integration. All hardware and software devices should be on premise and not on cloud
11	Security	Media Encryption (H.323, SIP): AES-128, AES-256
		Authenticated access to admin menus, web interface and telnet API
		Local account password policy configuration
12	Other Standards	H224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.243, H.460
		It should support native Lync server integrations
		Auto sensing power supply. 125VA @ 230V @ 60Hz
		<b>Preferred</b> Make with tender specific authorization to be quoted by bidder : Polycom, Cisco <b>etc.</b>
13	Credential	<b>The same make should be installed twice in any IITs,IIMs or Central University during last 3 years</b>
14	Installation and Shifting	<b>The proposed VC has to be installed and tested at IIIF Kolkata office and one set to be shifted from PCE Office to Computer Centre at Dhanbad Office.</b>
15	Other features	<b>If the VC solution comes which can support Skype ,Google Duo, Hangout etc. the specification above can be relaxed, the bidder is requested to quote separately with this feature, Competent Authority will decide in due course of action.</b>



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## Terms & Conditions

1. Interested firm(s)/bidder(s) are requested to quote their lowest rates for the supply of above items in the attached format for Financial Bid (Annexure – I)
2. Clarification(s) sought after the prescribed date shall not be entertained.
3. The firm(s)/bidder(s) may send their representative in the office of the undersigned at the scheduled date and time of opening of tender. The representative must carry an Authorization Letter along with proper Identity Proof and Photograph.
4. Bid must be submitted in sealed cover only super scribed with Enquiry No. and due date at the following address only:

*The Deputy Registrar (P&S)*

*Indian Institute of Technology (Indian School of Mines),*

*Dhanbad – 826 004 (Jharkhand)*

5. The rates should be quoted for each item separately.
6. Tender Fees (non refundable) & EMD is to be paid by way of separate Demand Draft drawn in favor of Registrar, IIT (ISM) payable at Dhanbad. Non-submission will lead to rejection of your bid.
7. **The items/materials shall be required to be delivered to:**  
IIT(ISM) IIIF, Kolkata  
NBCC Shopping Centre  
VIBGYOR TOWER  
ACTION AREA-I  
New Town, Kolkata- 700156  
West Bengal
8. Conditional offer will not be accepted.
9. IIT (ISM) does not issue any Form 'C' or 'D' towards sales tax concessional rate. Hence, full rate of sales tax/VAT applicable should be quoted.
10. **Educational discount**, if any, should be clearly mentioned.
11. The firm(s)/bidder(s) are requested to submit their quotation strictly as per the specifications mentioned in the NIT.
12. The bid/quotation must be valid for **minimum 90 days** from the date of opening of tender.
13. Please mention warranty/guarantee in the offer clearly. Material/equipment to be supplied ordinarily should have minimum warranty/guarantee of One (01) year Onsite Warranty.
14. *Each page in the bid document must be numbered properly* and duly signed & sealed by the bidder.
15. Successful bidder may have to submit Performance Security (PBG) as per purchase order and as per rule.  
**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 value of the order shall be deducted from the invoice of the supplier.
16. Unloading and installation shall be the complete responsibility of the supplier.
17. The stores are required to be delivered within 30 days from the date of Purchase Order. Late delivery may not be accepted.
18. The items offered should be of good quality confirming to BIS standards, wherever applicable.



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19. **Advance payment is not admissible.** Payment shall normally be made within 3-4 weeks subject to receipt, acceptance & satisfactory installation, PBG and other documents of the ordered materials/items (as per Purchase Order).
20. In the event date on which the tender is opened for acceptance is declared to be a holiday, the tenders shall be deemed to remain open for acceptance till the next working day.
21. Please send your offer by Regd. Post/ Speed Post/ Courier along with Courier receipt. Tender/ quotation will be received during IIT (ISM), Dhanbad working hours only (i.e. Monday to Friday). *Late or delayed tenders shall be summarily rejected.*
22. Any other information that you may like to obtain, you are free to contact IIT (ISM), Dhanbad before submission of tender.
23. IIT (ISM), Dhanbad reserves the right to accept and/or to reject any/ all tenders without assigning any reason.

Deputy Registrar





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## Annexure - I

### Format for Financial Bid

NIT No.: IIIF/500337/17-18

Dated: 22.11.2017

Bidders Ref: No.

Dated:

**Subject: Supply & Installation of Video-Conference System.**

Sl. No.	Full Description of Items	Qty.	Rate	Amount
			Packing & Forwarding (if any)	
			<b>Total</b>	
			GST (if any)	
			Freight (if any)	
			Installation (if any)	
	Amount should be in figure as well as word		<b>Grand Total</b>	

#### **Note:**

- 1) All the details must be provided as per prescribed format only
- 2) Prices quoted by the bidders should include all local taxes, GST, duties, levies, transportation cost and insurance costs etc. if any
- 3) All the rates must be quoted in Indian Rupees.