

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A & 2B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032

NIT No.: IACS/Desktop/SMCS/19-20/115

Date: 10/03/2020

Sealed tender in two bids system (technical bid and price bid) is invited from bonafide, resourceful and eligible manufacturer/exclusive distributor/vendors for "**Supply of items for Smart Classroom in UG teaching LAB, SMCS at TRC building**"

Part-I (Technical Bid) of the tender should contain technical specifications in detail as well as commercial terms and conditions. Part-II (Price Bid) should clearly indicate group-wise price, if needed, as mentioned in the technical bid. The Technical Bid and Price Bid are to be submitted in separately sealed envelopes, distinctly marked accordingly and both to be put inside another envelop, that should be sealed and superscribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads.

Completed tender bids should reach the office of the **Registrar, Indian Association for the Cultivation of Science (IACS), 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata-700032** on or before the scheduled date and time specified below:

Tender Notice No.	NIT No. IACS/Desktop/SMCS/19-20/115 Date: 10/03/2020
Last date and time of submitting tender	26 March 2020 at 2.00 P.M. at Dispatch Section
Pre-bid meeting (date, time & place) to discuss technical specification	16 March 2020 at 4.00 P.M. at CCRES Office
Date and time of opening tender (Technical Spec)	26 March 2020 at 3.00 P.M. at CCRES Office
Date of Opening bid (Price bid)	27 March 2020 after evaluation of technical spec at CCRES Office at 2:00 PM.
Contact	Email: rajarshi.ray@iacs.res.in Tel.+91 33 2473 4971 [Ext. 1451]

The technical bids will be opened first to judge/evaluate the technical specifications of the said desktops and thereafter the price bids of only technically qualified bidders will be opened.

Technical Bid Evaluation: The Technical Bids will be evaluated in the presence of the representatives of intending bidders who will be able to clarify technical aspects of their bids, if any, required by the Technical Evaluation Team.

Opening of price-bid: The Price Bids of the bidders qualifying the technical bid will only be opened. The rest of the bids will be rejected.

Please note that IACS will not provide any accommodation or reimburse any expenses to any of the bidders for attending opening of technical bid.

Quotations received incomplete or beyond the stipulated time will be summarily rejected.

Bidders should submit their past experience for supplying and successful installation of smart classroom system to other research Institutes/Universities/other organizations in India. Please provide documentary proofs of such successful installation and supportive documents that the system is running successfully.

1. TECHNICAL BID

The technical bid should contain technical specifications and should be kept in a separate sealed envelope duly superscribed as 'TECHNICAL BID' on the outer cover of the envelope as already detailed above. **It should be clearly mentioned on the envelope as "Supply of items for Smart Classroom in UG teaching LAB, SMCS at TRC building".**

A list of places where smart classroom has been established by the bidder should also be provided. A compliance table (see below) must be prepared and submitted along with the technical bid.

Sr. No	Tender specification	Your offered instrument specification	Extent of compliance
1	Motorized Projection Screen with the following specifications: • 10 feet x 6 feet • Attachable to ceiling and wall • Height adjustable with remote control • Wireless remote control operated • Matte White colour front-side		
2	Document Camera with the following specifications: Optical System: HD, 1080p resolution or higher, 8x digital zoom or higher, Automatic Focus, Maximum Capture Area of 10.7" x 14.3" (XGA), Optical Lens: F-number – 2 or less, Camera and head rotation: +-90 degrees (horizontal/vertical) Illumination System: • Upper White LED x 2 • Brightness 100 lx or above @ B4 shooting area, adjustable		

	Video performance of 15 frames per second or more. Output: USB, VGA, SVGA, XGA, SXGA, WXGA, 720p, 1080p) Illumination system: White LED x 2 Dimensions (W x D x H): Open 2.9" x 10.2" x 15.7" or less, Closed/Folded 2.9" x 10.2" x 2.3" or less Weight 2.2 lb or less Others: • Power Consumption: 2.5 Watts or less • Power Supply Voltage: AC 100 V - 240 V, 50 Hz - 60 Hz • Operating System Compatibility with at least Windows® 7, Windows 8, Windows 10 • Output Interface: minimum of USB-A and USB-B for connection to PC/Desktop		
3	Projector with the following specifications: • Full HD 1080p resolution or higher • Display technology: LCD • Screen size of 30 inches to 300 inches • Colour brightness of up-to 3,400 lumens • White colour external body • Projection Technology: 3LCD Technology, RGB liquid crystal shutter • Interface: USB 2.0 Type A, USB 2.0 Type B, VGA in, HDMI in (2x), Composite in, Cinch audio in, Wireless LAN IEEE 802.11b/g/n • Power Supply Voltage: AC 100 V - 240 V, 50 Hz - 60 Hz • Power Consumption: 298 Watt, 219 Watt (economy), 0.2 Watt (standby) or less		
4	Smart Digital Podium with the following specifications: • Height : Min. 32" and Max. 44" (Height Adjustable Model) • Top Sheet : 22" x 16" or more • Body: Wood/acrylic/Glass • Built in computer, Microphone, Speaker, Audio/video output and input channels. • Writable screen that enables presenter to deliver a lecture or presentation while writing or drawing onto the screen, screen size of 22 inches or more. • In-built computer should have HDMI interface and other interface required for		

	compatible connection with the projector of Item 3 and document camera of item 2. Configurable according to the size of room, requirements of audio output power, and size of the screen.		
5	Wireless Desktop Microphone for students desks Compatible and connectable with the in-built speaker of item-4 (Smart digital podium).		
6	Wireless 2.1 channel multimedia speakers with the following specifications: 30 Watt - Connectable with the wireless microphone of Item 5.		
7	Training and demo on using the smart-podium (1 day)		

2. Bill of materials for Smart Classroom in UG teaching LAB, SMCS at TRC building

Sr. No	Description	Quantity No
1	Motorized projection screen	1 No
2	Document camera device	1 No
3	HD projector device	1 No
4	Smart Digital Podium with writable screen	1 No
5	Wireless Desktop Microphone for students desks	25 Nos
6	Wireless 2.1 channel multimedia speakers	1 No
7	Training and demo on using the smart-podium (1 day)	1 Day

4. PRICE BID

The financial bid indicating (item-wise) price for the item(s) mentioned in the technical bid should be kept in a separate sealed envelope duly super scribed as 'PRICE BID' on the outer cover of the envelop as already detailed above. Price bids of only technically qualified

bidders will be opened and they will be intimated the date and time of the opening of price bid at their e-mail ids. Rest of the bidders will stand rejected.

4.1 Price Details (Print in single page letter head landscape mode with sign & stamp)

Sl no	Item	Quantity	Make	Model	Service Part Code	HSN/SAC Code	Base price in Rs.	Total Price (Without GST) in Rs.	GST @	GST Value in Rs.	Total price with GST in Rs.
1	Motorized projection screen	1 No									
2	Document camera device	1 No									
3	HD projector device	1 No									
4	Smart Digital Podium with writable screen	1 No									
5	Wireless Desktop Microphone for students desks	25 Nos									
6	Wireless 2.1 channel multimedia speakers	1 No									
7	Training and demo on using the smart-podium.	1 Day									
		Total GST Amount:					Total Price (Without GST)				
					Grand Total:						

5. SCOPE OF WORK:

1. The proposed equipments/devices should be supplied to IACS with no extra cost. Transportation to IACS should be sole responsibility of the vendor. It is the sole responsibility of the vendor in installing, testing, commissioning and running the system from day one.
2. All necessary software including OS (Windows), and necessary free software should be installed by the vendor.
3. Necessary training to IACS staff is to be imparted to run the smart classroom smoothly.

4. Vendor should response within NBD to resolve the problems or query (regarding hardware/software), if and when raised by IACS.

6. WARRANTY:

- i. **The comprehensive onsite warranty for Item 1 to Item-6 shall be for a period of 1 year** from the date of satisfactory installation, testing, commissioning and handing over the devices which is covered under warranty in working order. During the warranty period, the replacement of any part(s) of the equipment or rectification of defect of product should be free of cost.
- ii. If the tenderer is required to replace the rejected equipment and/ or other articles, they should replace them not later than a period of 14 (fourteen) days from the date of rejection. The tenderer shall bear all cost of such replacement, including freight, if any, of such replacement or repaired equipment and/ or other articles but without being entailed to any extra payment on that or any other account.
- iii. Training to be given to IACS staff for operation & maintenance, troubleshooting, user level training pertaining to system after successful commissioning.
- iv. Vendor shall make necessary arrangements for keeping the sufficient spares to minimize the down time.
- v. Software updates released by the OEM should be installed by the vendor free of cost within the warranty period.
- vi. Single point of contact for all communication related with after sales and support.

7. BID SECURITY:

- a) An Account payee Demand Draft/Pay Order of Nationalized Bank/Scheduled Commercial Bank for Rs. 12,000/- (Rupees Twelve Thousand only) drawn in favour of “Indian Association for the Cultivation of Science payable at Kolkata (State Bank of India, Jadavpur University Branch, A/C No. 11079699211, IFSC: SBIN000093, MICR Code: 700002048)” is to be furnished by the bidders as Bid Security money along with Technical Bid, except Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central Purchase Organisation or the concerned Ministry or Department.
- b) The Demand Draft for the Bid-Security should have at least 90 (ninety) days validity period of opening of the bids.
- c) In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

8. PERFORMANCE SECURITY:

An Account Payee Demand Draft on any commercial bank of India of 10% of the total order value in the name of “Indian Association for the Cultivation of Science” is to be furnished by the successful bidder as Performance security. Performance Security may be furnished in the form of Fixed Deposit Receipt or Bank Guarantee from a Nationalized Bank/Scheduled Commercial Bank. Performance security money should remain valid for a period of 60 days beyond the date of completion of all

contractual obligations of the supplier including warranty obligations. Bid security money or EMD will be refunded to successful bidder on receipt of the Performance security money.

9. TERMS OF PAYMENT:

All component rates should be quoted in INR only. Payment will be made 100% on successful installation of devices and against issue of “Completion Certificate”. Partial payment against supply within scheduled delivery period will not be admissible.

10. ELIGIBILITY OF VENDOR

- 1) The Bidder should be a registered company in India under the company Act, 1956 or registered firm under partnership act or registered and certified distributor or dealer.
(Photocopy of the certificate of registration to be provided)
- 2) The Bidder should be an established information technology company and in operation for last 5 years in India.
- 3) Should not be blacklisted/debarred/denied bidding facilities by any Govt. department/Public Sector Undertaking as on the date on bid submission.
- 4) Should not have filed Bankruptcy in any country, if the company is MNC.

11. DOCUMENT

1. The model number, make and a printed literature of the product should be submitted positively.
2. Manufacturers / exclusive distributors / vendors should have history of supplying this type of systems to this or other scientific organizations. Availability of a list in this regard would be preferred.
3. Bidder should submit their past experience for supplying and successful installation of similar units to other research Institute/Universities/other organization in India. Please provide documentary proofs of such successful installation and project completion.
4. Certificate of valid authorisation from the OEM to participate in this tender process.
5. The tender should accompany a compliance chart.
6. Income Tax Return (for the last 3 years)
7. PAN Card copy
8. GST Certificate
9. Authorized dealership certificate should be provided in case of principal manufacturing company is not quoting directly.
10. Documentary proof of Servicing facility and service engineer stationed at Kolkata.
11. Documentary proof of all other qualification of the bidder mentioned in the eligibility.
12. Annexure-I in letter head with company seal and sign

12. GENERAL INSTRUCTIONS

1. Validity of tender: Tender submitted should remain valid for at least six months from the date of opening the tender. Validity beyond six months from the date of opening of the tender shall be lapsed by mutual consent.
2. Vendor has to provide certificate of valid authorisation from the OEM Company. The OEM shall take over all responsibility of the Vendor. This undertaking should also clearly mention that the spares availability will be ensured for at least five years in future.
3. Servicing facility within India is a must while service engineer stationed at Kolkata will be preferred.
4. Incomplete and conditional tenders as well as tenders received after the due date will be summarily rejected without assigning any reasons thereof.
5. At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder during pre-bid meeting, modify the bidding documents. The amendment(s) will be notified on the institute website. Prospective bidders are advised to occasionally visit the website (www.iacs.res.in) for any amendment.
6. A maximum of 2 representatives per bidder, duly authorized, may be allowed to attend the pre-bid meeting.
7. Installation/Demonstration/Application training at site: Installation & user training at IACS, free of cost by the supplier.
8. Service facility: In Kolkata, supplier should mention their details of service setup and man powers that are responsible for after sales support. Response time should be within 24 hrs.
9. Proposed delivery schedule should be mentioned clearly.
10. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
11. In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of the technical bids will be the following working day at the appointed time.
12. In case of any dispute, the decision of IACS authority shall be final and binding on the bidders.
13. Once the pre-bid meeting is over and issues are clarified, no query or objection or complain shall be entertained in connection with the tender. Absence of any vendors in pre-bid conference shall not be considered as justification for making query or objection thereto. Also, non-attendance in the pre-bid meeting is not a disqualification for participating in the tender process.
14. For any clarification regarding technical specifications, information etc., please send your queries to Dr. Rajarshi Ray (rajarshi.ray@iacs.res.in).
15. The authority of IACS reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Acting Registrar