



INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY
(An Autonomous Institute under Department of Science and Technology, Govt. of India)
PaschimBoragaon, Vigyan Path, Garchuk, Guwahati-781035
Notice Inviting Tender for the following equipment

NIQ. No: 99

Date: 06 /11/2017

Sealed quotations are invited in two bid system for supply, installation, design & development of Virtual Classroom at Institute of Advanced Study in Science and Technology (IASST). Bid document with other terms & conditions can be submitted with bid fee and notified EMD as per following:

Bid fee-DD (non - refundable)	Last Date and Time for submission of bids	Venue for submission & Opening of Technical Bids
Rs.1000/-	08/ 12/2017 by 5 P.M	Office Of the Registrar, IASST, Guwahati – 781035 Dt. 11 / 12/2017 at 11A.M

There will not be any separate notice for participation of bidder in the bid opening time.

Detail tender document will be available at IASST website <http://iasst.gov.in>

Registrar, IASST

Last Date and Time for bid submission has been extended to till 5PM of 19/12/17

Opening of Technical Bids at 11 AM of 20th Dec 2017.



1. Scope Of Work:

IASST is looking for a Virtual classroom solution. The same solution is supposed to be installed in one of our newly built classroom. This room will have complete infrastructure to connect with remote classrooms. While, the proposed solution should be capable of extending the audio and video of the same classroom to another classroom in the same building.

2. Description of the solution:

The complete success of requirement lies in its ability to conduct virtual classes in all possible scenarios. Following two possible scenarios are to be fulfilled for this solution:

When faculty remains outside & takes classes from there.

Here, the proposed solution should be such which allows faculties to connect with local classroom using own device such as desktop with webcam, laptop, and Android/IOS smart phones. This gives platform to ensure anyone to connect with or without having traditional VC infrastructure.

When Classes conducted in a classroom where the entire Video conferencing setup will be installed can be broadcasted to remote classrooms. In this scenario, all important videos like that of faculty and whiteboard should be captured and broadcasted simultaneously to remote classrooms. It should also be capable of capturing high definition images of any document while sending the same.

The proposed solution should have video conferencing solution which runs at a very low bandwidth. The codec should have inbuilt video mixture in it or the bidders must quote external video mixture in order to accommodate multiple cameras and the captured videos should be broadcasted to far end simultaneously. The proposed solution should support recording from day1 up to 500 hours. The solution should be full HD ready, which means capturing and broadcasting of videos at Full HD (1080P) resolution. The proposed video conferencing infrastructure should have multipoint functionality at least from 4 locations; with license upgrade only without changing the VC hardware infrastructure. The solution should support file transfer for sharing files & multimedia content. Other details are as per technical specification:-

3. Evaluation Methodology:

IASST, Guwahati shall evaluate technical and financial strength of the responses received and invite participating bidders for a detailed presentation on respective responses. Based on the documents submitted and presentation, IASST shall short-list eligible bidders for further participation in the financial bid.



4. Technical Specifications (Annexure III)

The below mentioned Specification tables should be submitted with filled in compliance column as part of the technical proposal by the bidders.

OEM Criteria:

1. The OEM should provide minimum of 5 references in India with contact details, where the proposed solution is installed and implemented. At least 1 no in Govt Sector.(As in the format given in Annexure IV)
 2. VC OEM should have established office in India from more than 8 years.
 3. VC OEM should be ISO certified Company. (Required Certificate copy).
 4. All the Core components of the solution, which is Video Conferencing Codec & all the cameras should be from a single OEM.
 5. The OEM's support team presence at Guwahati for both VC and Display Unit is mandatory. (Supporting documents need to be attached)
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1. Codec Specification				
Sl. No.	Parameter	Specifications	Compliance	Deviations, if Any with Remarks
			Yes / No	
1	Video Codec	The codec should support Point to Point Full HD 1080p@30/60fps with the following video standards H.263, H.264, H.264 HP/AVC/SVC/VBR or H.265 . Each Codec should be expandable to (1+4) in 1080P in future with license Upgrade.		
2	Data Collaboration	Codec should support Data Sharing for Presentations		
3	Resolution	Full High Definition- 1920 x 1080p		
		High Definition – 1280 x 720p		
		4CIF -704 x 576 pixels		
		4SIF-704 x 480 pixels		
		VGA -640 x 480 pixels		
		Progressive or Interlaced CIF -352 x 576 pixels		
		CIF -352 x 288 pixels		
		SIF -320 x 240 pixels		
		QCIF-176 x 144 pixels		
4	Multiple Camera Input Support	The codec should support 3 cameras and Document Camera. All these cameras should be active at the same time. The Solution to be provided along with it. Either the codec should have native capacity to have 4 Active Camera support or else External Multifomart third party Video Mixer should be provided of known reputed brands.		
5	Audio Codec	The codec should support G.711, G.722, G.722.1, G.728, G.729 /GIPS / SPEEX codec or MPEG4 - AAC (LC).		
6	Audio Output	Codec must support either common 3.5mm line out or headphone output & must support integration with external audio mixer. Codec should provide an option to connect Audio Mixer in a bigger class room or board room		
7	Enhanced Audio Features	Automatic Echo Cancellation, Automatic Gain Control and Noise Reduction		
8	Network	Codec should have minimum 1 RJ-45 port for IP network and should have IPv4 and IPv6 support.		
9	Bandwidth Support	The system should support upto 4 Mbps in a Point to Point call and multipoint call.		
10	Video Output for display	Codec must have atleast HDMI /DVI ports or equivalent and support Dual Display		
11	Packet Loss Correction	Video packet loss should be buffered or corrected with some sort of intelligent protocol or algorithm.		
12	Quality of Service	Audio packet loss should be buffered or concealed with some sort of intelligent protocol or algorithm.		
13	Recording feature	Codec should have inbuilt video recording capability or offer external Video Recording Solution at end point with minimum 500 Hours of local Recording Storage @ Full HD.		

14	Data Collaboration	Solution should have capability to share whiteboard , Documents sharing, Desktop Sharing/Application Sharing/ Region Sharing with Annotations so that the presenter can highlight important points during the session using multiple annotations. The Presenter should be able to play Media File within the conference.		
15	Lock Conference Room	Host should be able to lock the conference Room if necessary to avoid unwanted users from Entering the conference.		
16	Voice Activated Switching	Solution should support Voice activated Switching layout which can be enabled or disabled with Speaker in bigger video.		
17	Dual Display	The Solution should be capable to show presentation and multiple Videos in Dual Screens as well as in a Combined Screen.		
18	FECC	The Solution Sould Support Far End Camera Control		
19	Chat Feature	The Solution should have chat feature for the users to type their queries either through Public Chat or Private chat.		
20	Desktop & Mobile connectivity	Solution should support Windows, Desktop/ Laptop, Android, IOS devices right from Day 1.		
21	Security	System should be 128-bit Fully Encrypted Video Conference Meetings to ensure encrypted data flows between endpoint & MCU.		
22	Solution Capability	Solution should offer video Conferencing through Web Browser or Clients based. For client based, there should be unlimited client downloads facility.		
23	MCU License	The License should be installed in the same codec to support 4 way Full HD multiparty Conference from Day 1.		
24	Multiple Conference Support	Solution should be able to connect 4 locations at Full HD resolution (1080P) in a Single Video conference .		
25	H.323 & H.239 Support	The Solution should have capability to connect at least 1 Full High Definition IP Based H.323 Hardware Video Conference device in each room at HD Resolution. The Solution should also able to share data presentations using H.239 with H.323 user.		
26	Warranty	Onsite 5 Years Warranty from OEM		
2. E-Podium Specification				
Sl. No.	Parameter	Specifications	Compliance	Deviations, if Any with Remarks
			Yes / No	
1	System Body	Top and Body should be Metal and MDF.		
2		The system should have a Top Sliding Mechanism.		
3		The angle of the tablet Monitor should be electrically adjustable with the help of Switch		
4		The system should consist of atleast 19 Inches Touch Screen Monitor.		
5		The monitor should be LED backlit.		
6		The monitor should have a native resolution of 1440 x 900 or higher.		
7		The monitor should come with a USB port for PC Connection.		

8	Touch Screen Monitor	The monitor should have a Luminosity of 250 cd/m ² or more.		
9		The monitor should have a 15 Pin HD ports or DVI Input port.		
10		The monitor should have a DC input voltage of 12VDC..		
11		The monitor should support Win 7 or higher.		
12		The monitor should have an Electromagnetic Sensor Method.		
13		The monitor should support Power Supply of 100 ~ 250VAC.		
14	System Controller	The controller should consist of 2 VGA Inputs for PC and laptop		
15		The system should consists of 1 no. VGA Output for Projector and 1 number VGA Output for Monitor.		
16		The system should consist of Audio Input for 1 no Gooseneck MIC, 1 No Wireless MIC, 2 Audio inputs for PC and Lappie.		
17		The system should have Sound Output with 1 No RCA Audio.		
18		The system should support 1 Ports of Composite video In.		
19		The System should support IR Learning.		
20		The system should come with Three LAN Ports.		
21		The System should have 2 numbers Projector Controls, 1 No Screen Control Ports, IR receiver,/RFID Control 1 number Program input Control, 1 no Firmware input Control		
22	Gooseneck Microphone	The Microphone should have a frequency response of 40 Hz to 17,000 Hz or better.		
23		The Microphone should have a Cardioids Polar Pattern.		
24		The Microphone should come up with standard 3 PIN XLR Connector.		
25		The Cartridge should be a 20mm Condenser		
26	Wireless Lapel and Handheld Microphone	The Microphone should have Frequency band of UHF 900 MHz~ or better.		
27		The microphone should have at least 32 number of Channels.		
28		The microphone should have at least Step 8 Digital Variable Squelch Control Method		
29		The microphone should have a ±10ppm Frequency Stability.		
30		The microphone should have a Auto Scan Receive Mode.		
31		The Microphone should have a frequency response of 40Hz to 17000 Hz or better.		
32	Amplifier	The Amplifier should consist of a 300 Watts (150 WattsX2) at 4 Ohms.		
33		The Amplifier should have S/N Ratio of >80dB.		
34	DSP	The DSP should have a 100% Full Duplex Echo Cancelling – no attenuation during full-duplex.		
35		The DSP should be standard 19 inches Rack Mountable		
36		The DSP Should have sufficient Ports to perform the Acoustic Echo Cancellation for all the microphones.		

38		The DSP should have USB port for integrating with Unified Software solutions like Skype, Lync, etc.		
46	Notebook or Laptop Interface	The system should consist of the atleast following ports on the interface		
47		VGA port, HDMI Port, Audio port, 2 USB Ports, Power Outlet.		
49	7 inches Touch Panel	It should have a resolution of 800X480.		
50		It should have a viewing area of 154(H)mm X 92(V)mm.		
51		It should have RS232 Interface.		
52	Wall Mount Speakers	The System should come up with atleast 4 Wall Mount Speakers. The Speakers should come with 5.25 Inches Driver and .75 inch or more High Frequency Driver. The speakers should have a frequency range of 60Hz to 20KHz or better. The Speaker should have a 180 Watts or more continuous peak power. The speaker should have a maximum SPL of 110dB. Below that would not be accepted. The speaker should come up with 100V/70V taps as well as 8 ohms. The speaker should be IP44 rated. Tspeakers should be ROHS and UL ertified.		
53	Warranty	Onsite 5 Years Warranty from OEM		
3. Capture Card Specification				
Sl. No.	Parameter	Specifications	Compliance	Deviations, if Any with Remarks
			Yes / No	
1	Supported OS	Windows 7/8/8.1/10/2008/2008 R2/2012 (x86 & x64) Linux (Ubuntu 12.04–16.10, CentOS 7) OS X 10.9–10.11 macOS 10.12		
2	Input Interfaces	HDMI 1.3		
3	Host Interfaces	USB 3.0 compatible with USB 2.0		
4	Input Features	Support for input video resolutions up to 2048×2160		
5	Audio	HDMI + embedded audio		
6	Accessories	USB 3.0 cable		
7	Warranty	1 Year replacement Warranty		
4. Controller Specification				
Sl. No	Parameter	Specifications	Compliance	Deviations, if Any with Remarks
			Yes / No	
1	Serial Ports	Should have atleast 4 Serial ports with two way communication,		
2	Baud Rate	Upto 115200 support		
3	IR & Serial Ports	Should have 3 Serial Ports with one way communication, One-way IR output when configured as IR Emitter.		
4	Relay Ports	10 (2-pin 3.81 mm detachable terminal)		
5	Rated Power	6 Amp, 230 Volts AC (or) 110 Volts DC max		
6	Dimmable Channels	should be supplied with inbuilt or external 6 or more dimmable channel with 10A per channel load Capability		
7	Connector Type	2-pin 3.81 mm detachable terminal		
8	Input Impedence	10k Ohms with pull-up resistor		

9	RJ-45	1X RJ-45 Full / Half Duplex Connector		
10	Network Interface	Industry-Standard TCP/IP stack		
		IPv4 and IPv6		
		10Base-T/100Base-TX Ethernet port		
11	Memory	4 GB Inbuilt or more.		
12	HW Reset	Should have hardware reset button.		
13	Operating Temperature	50° to 113° F (10° to 45° C).		
14	Humidity	RH Non-Condensing 15% to 85%		
15	Heat Dissipation	45 BTU/hr or better		
16	Warranty	Onsite 5 Years Warranty from OEM		
5. PTZ Camera for Students(Quantity 2)				
Sl. No.	Parameter	Specifications	Compliance	Deviations, if Any with Remarks
			Yes / No	
1	Sensor	The camera sensor should be 1/2.8 inch high quality 5MP HD CMOS sensor or better.		
2	White Balance	The camera should have an Option of Auto or Manual White Balance.		
3	Gain	The camera should have an auto Gain Control		
4	Back Light Compensation	The camera should have a selectable Back-light compensation		
5	S/N ratio	The camera should have a S/N Ratio of >50db.		
6	Zoom	The camera should have a 12x optical zoom and 12xdigital zoom		
7	Interface	The camera should have a standard Video Output either through USB 3.0 or through HDMI, DVI or better.		
8	Signal Support	The camera should support Video format of 1080p 60/50/30/25 fps, 720p 60/50/30/25 fps.		
9	Control Port	The camera should have an RS 232 port for Communication		
10	Presets	The camera should have at least 65 Position Presets		
11	Field Of View	The camera should have 72.5 Degree or better field of view		
12	Pan Range	The camera should have a Pan Rotation Angle of -160 degrees to +160 Degrees or better		
13	Tilt Range	The camera should have a Tilt Rotation Angle of -30 degrees to + 30 degrees or better		
14	Accessory	The camera should be supplied with IR remote control as an included accessory.		
15	Warranty	Onsite 5 Years Warranty from OEM		
6. PTZ Camera for White Board				
Sl. No	Parameter	Specifications	Compliance	Deviations, if Any with Remarks
			Yes / No	
1	Sensor	The camera sensor should be 1/2.8" Color 5 MP CMOS or better.		
2	White Balance	The camera should have an auto white balance		
3	Back Light Compensation	The camera should have a selectable Back-light compensation		
4	S/N ratio	The camera should have a S/N Ratio of >50db.		
5	Horizontal Viewing Angle	The camera should have a horizontal viewing Angle of 62.5 degrees or more.		

6	Optical Zoom	The camera should have a 10X Optical Zoom and 12x or more Digital Zoom.		
7	Video Interface	The camera should have a standard Video Output either through USB or through HDMI, DVI or better.		
8	Video Signal Support	The camera should support 720p@30p and 1080p @30p or higher via MJPG or equivalent compression.		
9	Control Port	The camera should have an RS 232 port for Communication.		
11	Presets	The camera should have atleast 65 Position Presets		
12	Accessory	The camera should be supplied with IR remote control as an included accessory.		
13	Warranty	Onsite 5 Years Warranty from OEM		
7. Lecturer Tracking Camera in the Classroom				
Sl. No.	Parameter	Specifications	Compliance	Deviations, if Any with Remarks
			Yes / No	
Main Camera				
1	Image Sensor	The camera should have a 1/2.8" Exmor camera sensor or better		
2	Effective Pixels	The camera should be 2.1 megapixel or better		
3	Signal To Noise ratio	The camera should have a s/n >= 50dB or better		
4	Minimum Illumination	The camera should have a minimum Illumination of .095 Lux at F1.6 or better		
5	Back Light Compensation	The camera should have a selectable back light Compensation feature		
6	Field of View	The camera should have a 59.1 or more degrees Wide field of view and 3.2 or more degrees tele field of view.		
7	Zoom	The camera should have an optical Zoom of 20X or more and digital zoom of 12X or more		
8	Pan/Tilt Range	The camera should have a PAN range of -170° to + -170° or more and Tilt range of -30° to +30° or more.		
9	Presets	The camera should have at least 65 presets		
10	Video Output	The camera should have a standard HD video output port		
11	Control	The Camera should have a control port		
12	Resolutions Support	The camera should support resolutions of 1080p/60,1080p/50,1080p/30,1080p/25,720p/60,720p/50, 720p/30, 720p/25 or better.		
Reference Camera				
13	Image Sensor	The camera should be a 1/3" CMOS sensor or better		
14	Effective Pixels	The camera should be 2.1 megapixel or better		
5	White Balance	It should have auto white balance		
16	Exposure	It should be auto		
17	Field of View	It should have a field of view of Horizontal: 90°; Vertical: 50° or better		
18	Accessories	The system should come up with all the accessories, like control cables, power cables, tracking software, hardware, setup, etc.		
19	Warranty	Onsite 5 Years Warranty from OEM		

8. Technical Specification for 65" Industrial Full HD Display				
Sl. No.	Parameter	Specifications	Detailed	Compliance
			Specifications	Yes / No
1	Warranty	5 years		
2	Panel	Monitor Type	LED	
3		Panel Technology	IPS	
4		Screen Size	65" or Higher	
5		Aspect Ratio	16:09	
6		Native Resolution	1,920 x 1,080 (Full HD)	
7		Brightness	400cd/m2 or higher	
8		Contrast Ratio	1,300 : 1 or higher	
9		Dynamic CR	500,000 : 1 or higher	
10		Orientation	Portrait & Landscape	
11		Surface Treatment	Hard Coating, Anti-glare Treatment of the Front Polarizer	
12		Circuit board Protection	Dust & Humidity Protection Coated	
13	Viewing Angle (H x V)	178 x 178 degree		
14	Connectivity	Inputs	HDMI, DVI-D, RGB, Stereo Mini Jack, USB	
15		Outputs	Stereo Mini Jack, External Speaker Out	
16		External Control	RS232C (In/Out), RJ45, IR Receiver	
17	Environment Conditions	Operation Temperature	0 °C to 40 °C	
18		Operation Humidity	10 % to 80 %	
19	Power Supply	Power Supply	100-240V~, 50/60Hz	
20		Consumption	95W (Typ)/ 70W (SES)or more	
21	Industrial Grade/ Certification	Safety	UL / cUL / CB / TUV / KC	
22		EMC	FCC Class "A" / CE / KCC	
23		Energy Star	Yes Energy Star 6.0 .	

9. Specifications for "Auto Focus Solution for Students"				
SI No	Parameter	Specifications	Compliance	Deviations, if Any with Remarks
			Yes / No	
1	Push Buttons	Min 10 Nos Wireless per unit student tracking camera		
2	Interface	RS-485 for mainframe connection (VISCA control)		
3	Baud Rate	Should support baudrates of 1200, 2400, 4800, 9600, 19200bps or more		
4	PTZ Controller	Four-dimensional vector variable speed controller with unique Control capabilities, Flexible control over the full range of motion and control PTZ camera focus zoom and aperture		
5	Panel features	Adjusts Pan/Tilt/Zoom/Focus, Iris with Rated Joystick & Switches.		
6	Display	Devices have LCD display to show the camera status details like monitor number, camera number, recorder number and operating status.		
7	Wireless Cover Range	Wireless: - Max. 15mtr		
8	Connectivity for Push button	Connection through wireless(Through RF).		
9	Warranty	Onsite 5 Years Warranty from OEM		
Or				
1	Any similar type of solution for student tracking	with feature like motion detection and voice recognition or facial expressions with 5 years OEM warranty		
10. Professional Grade Optical Fiber based Camera Cable (15 Mtr & 30 Mtr)				
Sl. No.	Parameter	Specifications	Compliance	Deviations, if Any with Remarks
			Yes / No	
1	Professional Grade Optical Fiber based Camera Cable(Quantity as per required)	15 & 30 meters Optical Fiber Cable having a transition speed of 4.8 Gbps or more. It should support Hot Plugging. It should support anti jamming. It should be backward compatible with USB 2.0/ USB 1.1. Optical Cable		
11. Equipments for Audio & Video Extension to another Classroom				
Sl. No.	Parameter	Specifications	Compliance	Deviations, if Any with Remarks
			Yes / No	
1	HDMI Splitter	2/4 Port HDMI Splitter with Full HD support, long distance support, plug and play, support dolby digital HD audio		
2	HDMI Extender(if required)	with full HD support		
3	Audio Output -Amlifier	With wide range of output power (60,120 and 240 Watts)		
4	Speakers (2 or 4 numbers) as per required	minimum 100 Watts		
5	Warranty	Onsite 3 Years Warranty from OEM		
For this part, Bidders are requested to do a site survey for clear understanding of the scenario				
12.Other accessories				
1	All necessary Cables & accessories for proper positioning of the equipments need to be quoted.			
All the above mentioned specification can be considered as our minimum requirements bidder can proposed a higher level solution also.				



Installation:

- The entire system shall be installed as per manufacturer's /OEM,s recommendations & Instructions.
- Services of authorized representative or manufacturer for supervision of installation, connections, testing, & adjustments shall be provided.

Testing & Commissioning:

- Under supervision of manufacturer's representative entire system functions, operations, protective features shall be checked & pre-set to ensure compliance or specifications.
- Test the system as per recommendations & test report need to be submit.
- In case of test any shortfalls / faults, the same shall be rectified & test procedure shall be again repeated to establish satisfactory performance.

Drawings & Manuals:

- If Required, Following drawings & manuals / information shall be submitted in at least THREE copies at appropriate stages & for handing over the system.
- Manufacturer's data for product, features, components & performance along with the offer.
- Operation & maintenance manual with list of recommended spares & replacement components.
- Product certificates for Brought out items.

After Sales Service:

- Support Service should be provided by OEM/OEM representative for the complete OEM Warranty period as per the support document.
- OEM Support document has to be submitted on OEM letter head.

EOL/EOS: - The product should not EOL for next 3 years and EOS for next 5 Years.



Notice Inviting Quotation

Eligibility Criteria of bidder(s):

- The Bidder should be a Manufacturer/authorized distributors/dealers of the respective product solution OEM (Manufacturer Authorization Form required).
 - The bidder shall furnish a non – blacklisting certificate that the firm has not been blacklisted in the past by any government/Private institution. The bidder/supplier has to give an affidavit on non – judicial stamp paper of Rs.50/- that there is no vigilance/CBI case pending against the firm/supplier and the firm has not been blacklisted in the past by any Govt. or Private Organization.
 - If the bidder is an ISO certified Company, then documentary proof should be enclosed.
 - The Successful bidder/OEM should give 5 years of support for configuration, software related issues and hardware related issues as per agreed terms.
 - OEM should provide a letter, on Equipment support and availability of spares and Certificate on Non-End of Life for 3 years and Non-End of Support for a period of 5 years.
 - The bid document, complete in all respect should reach the Registrar, Institute of Advanced Study in Science and Technology (IASST), Vigyan Path, Paschim Borigaon, Guwahati – 781035 on or before **08/12/2017 by 5 P.M.** No bids after the last date shall be entertained.
 - Penalty for delay in resolution - If selected bidder/OEM does not resolve any technical issues within 48 hours from the response time, a penalty of 0.5% of total cost per day (maximum 7 days) will be charged and deducted from the amount payable to bidder. For delay beyond the stipulated period, entire PBG will be forfeited.
 - The selected OEM for the supply of tendered item will have to provide free up – gradations of software (all update & upgrades) up to 5 years from the date of satisfactory installation.
 - The bidder should have an annual revenue of INR 50 lakhs since last 3 financial years respectively.
 - Delivery should be made by successful bidder as FOR IASST Guwahati.
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Sequence of documents to be provided / enclosed in each copy of the bid documents:

1. The technical bid and price bid envelop should contain on the top advt. no, equipment name and these envelops should be put inside a single envelop which will also contain on the top advt. no, names, last date of submission of quotation and content (how many envelop) inside.
2. Balance sheet with auditor's report for last three years.
3. Latest Income Tax Clearance Certificates.
4. Copy of Certificate of Registration under GST.
5. Copy of PAN Card.
6. Certificate of authorization from OEM.
7. Sole Proprietary/sole manufacturer certificate for proprietary item.
8. Compliance sheet stating the deviation, if any, with reference to the terms and specifications of the equipment/ its accessories. (Annexure III)
9. List of similar equipment supplied by the firm with addresses and phone numbers of customers with satisfactory completion certificate/ working certificates. (Annexure VI)
10. Name and address of registered office, Head Office and Regional Office of the company with name and phone numbers of key persons.
11. Self-declaration at Annexure –I (in non-judicial stamp paper of Rs.50/-)
12. Format of Manufacturer/Supplier/Distributor information at Annexure –II.
13. Acceptance of all clauses of bids specification duly signed page wise.

The committee of experts and the user scientists will have the right to recommend /reject purchase of tendered item.

Conditions forming part of NIQ

- Price of the equipment to be quoted for FOR, IASST only.
 - The two bid systems should be followed for this NIQ. Under this system the bidder must submit their offer in two separate sealed envelopes marked clearly as Technical Bid and Commercial Bid on cover page of the envelop for each item quoted. Both the sealed envelope should be placed in a third larger envelop. The main envelope which will contain both the bids should be super scribed with NIQ enquiry no. and name of the equipment quoted for.
 - The bidder shall be required to deposit Rs.40,000/as EMD with the Technical Bid, through Bank Draft/ Fixed Deposit Receipt/Bank Guarantee drawn in favour of '**The Director, IASST**' payable at Guwahati. All quotation submitted without requisite amount of earnest money shall be rejected and their financial bid shall not be opened. The EMD to the unsuccessful bidders will be returned within one month from the date of placing of final order(s). In case of bidder(s) whose offer is accepted, the EMD will be returned on submission of Performance Bank Guarantee. The IASST shall forfeit EMD, if the successful bidder fails to furnish the required Bank Guarantee in time. However, no interest/penalty shall be payable to bidders if the return of EMD is delayed for any reason. Companies registered under MSME are exempted from submission of EMD subject to submission of valid Registration Certificate as applicable.
 - The Technical Bids will be opened in presence of the bidders on the specified time and date. The bidder/their authorized agents who have responded to the quotation will be allowed to be present in the opening. The bidders are requested not to insert their quoted price in Technical Bid which will lead the quotation for summarily rejection.
 - The Price Bids of only technically qualified bidders will be considered for further processing.
 - The Successful bidder will have to submit Performance Bank Guarantee (PBG) equivalent to Rs.1, 00,000 drawn in favour of the Director, IASST payable at Guwahati within ten (10) days from the date of award of the contract. The submitted PBG should be valid for five years period.
 - Bids would be rejected for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question.
 - The bids received after the deadline for submission of bids prescribed by the IASST will be rejected and such bids shall be marked as late and not considered for further evaluation.
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- The IASST may, at its discretion, extend the deadline for submission of bids by amending the bid documents in accordance with clause relating to Amendment of Bidding documents in which case all rights and obligations of the IASST and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
 - The original and all copies of the bid shall be typed and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the Contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid. Further, over-writings on documents, if any should be supported by signatures.
 - The bidders may submit their duly sealed Bid by post or by hand at the address specified in the NIQ not later than the time and date specified therein. In the event of the specified date for the submission of bid being declared a holiday for the IASST, the bid will be received up to the appointed time on the next working day.
 - The bidder should submit soft copies of both the bids in soft copy format through CD. The format of soft copies should be in M.S. Word format.
 - Issuance of bid documents should not automatically be construed that the bidder is considered qualified. The IASST Authority has the right to reject any bids on technical grounds without assigning any reason thereof.
 - IASST shall not be responsible for any delay, loss or non-receipt of bid documents sent by post.
 - Prices shall be quoted in Indian Rupees for offers received for supply within India and in their currency as per the Financial Bid format in case of offers received for supply from foreign countries.
 - The IASST may open a letter of Credit or Wire Transfer in cases where it so decides. Any variation in price from the importer and manufacturer be indicated well in advance.
 - The imported equipment's should be quoted by the authorized supplier/dealer. In this case, commitment of after sales service with the period applicable should be clearly mentioned.
 - Compliance sheet should indicate in details of meeting up of specifications required. The bidder can mention the additional features that exist in quoted products, if any, separately.
 - Payment shall be made after delivery, successful installation, commissioning, and submission of Bank Guarantee and on submission of installation and warranty certificate duly signed and stamped by the authorized representative of the user department. **No advance payment will be made in case of equipment supplied by indigenous supplier.** In case of imported equipments 100% payment will be made through letter of credit for equipment costing USD 20000.00(or equivalent foreign currency) or more with payment terms 80% after shipment and balance 20% after satisfactory installation and
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commissioning along with submission of Performance Bank Guarantee. Equipment costing below USD 20000.00 (or equivalent foreign currency) will be made after installation through Foreign Demand Draft or through wire transfer.

- All taxes, if applicable, should be quoted separately, otherwise it would be presumed that the quoted prices are inclusive of taxes (please see Financial Bid format).
 - Prices quoted should be FOR, IASST, Guwahati inclusive of all charges required to make the equipment functional to the satisfaction of the Institute.
 - In case price for imported goods are quoted in FOR, the IASST will provide customs duty exemption certificate, if the import is made in the name of IASST and the supplier should submit original Bill of Entry in the name of the Registrar, IASST.
 - Delivery should be within specified days mentioned in Purchase Order. If the equipment/instruments are not delivered within the stipulated time, the supplier shall be liable to pay a penalty of 1% of the total order value for each delay of 10 days or part thereof, and the amount will be deducted from the payment on account of purchase.
 - The suppliers/OEM will undertake warranty of equipment/instruments from the date of installation and shall have to mention the period of warranty in both the bids clearly.
 - The quotations must be valid for a minimum period of 90 days (three months) from the date of opening of the financial bids. No change in prices and change in terms and conditions will be permitted.
 - All quoted items may carry brochure/catalogue/Pamphlets/Technical Literature and related documents.
 - The supplier further warrants that the goods shall be free from defects arising from any act or omission of the supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.
 - The bidder should indicate clearly in their technical bid about the pre-installation requirements. Subsequently, before the consignment lands in IASST, the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipment's.
 - Installation, testing, commissioning of the equipment's should have to be carried out by Technical experts of the company/supplier up to the satisfaction of user department of IASST.
 - Free training shall be imparted to faculty/technical staff for operation, maintenance and troubleshooting at the user department of IASST.
 - The equipment should be supplied with manuals containing technical drawings, complete in all respects, so as to operate the system without having any problem.
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- The bidder may submit the proprietary certificate for the item(s), if applicable.
 - In a bid, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same bid.
 - If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same bid for the same product.
 - IASST reserves the right to purchase varying quantity of material, less or more.
 - In the process of evaluation, comparison of bids, IASST reserves the right to reject any or all bids.
 - In case replacement of a part becomes necessary during warranty period, the parts of the same make and same or better configurations as were originally there in the equipment's shall be used. The supplier/vendor shall maintain details of the replacements and repairs carried out, if any, in any equipment/instrument in a separate document and produce the details as and when required by the user department of IASST. The cost of the parts will be borne by the supplier.
 - In case of complaint regarding repairing/replacement of equipment/instrument within the warranty period, the supplier will provide repair/replacement immediately. In case of non-compliance or delayed compliance, supplier will be penalized with an amount mutually agreed upon and it would be deducted from the Bank Guarantee.
 - The technical specification wherever given in the items' specification format is basic. The equipment's/instruments may also be evaluated as per additional provisions and facilities.
 - All corrigenda will only be notified on the IASST website.
 - The bidder should make arrangement of insurance of the equipment against all risks of loss or damage from the date of shipment till such time it is delivered at IASST site in case of Rupee/Foreign currency terms.
 - The successful bidder should transport their products through the Institute's empanelled Carrying and Forwarding Agent from CIF/CIP destination.
 - The Director, IASST shall be the final Authority for settlement of any dispute and his interpretation of any Clause/term/condition(s) of this document shall be final.
 - If any dispute arises out of or in connection with the contract, or in respect of any defined legal relationship associated therewith or derived there from, will be settled under the jurisdiction of Court of Law of Guwahati.
 - The Institute is not bound to accept the lowest bidder.
 - Purchase terms and condition as per General Financial Rule (GFR) will be applicable for all the purchases to be made.
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IASST, Guwahati

NIQ for Virtual Classroom

Authorize Signature of the firm

Name:

Designation:



ANNEXURE-I

Self-Declaration to be given by the bidder

NIQ Reference No. & Date:

Bidder's Name & Address:

Person to be contacted:

Designation:

Telephone No:

Fax No:

Email:

The Registrar,

Institute of Advanced Study in Science and Technology (IASST),

Vigyan Path, Paschim Boragaon, Guwahati – 781035.

We, the undersigned Bidder, having carefully read and examined in detail the Terms and Conditions, specifications and all bidding document in regard to the supply of equipments/instruments at Institute of Advanced Study in Science and Technology (IASST) and accept the same.

We also hereby declare

- that we have not been blacklisted/debarred by any Government/Undertaking.
- that the rates quoted are not higher than the rates quoted for same item to any Government/Undertaking.
- that the bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

For and on behalf of the firm

(Firms Name & Address)

(Signature of Authorized Signatory)

Name:

Designation:

Phone No:

Date: -----

Place: -----

Seal:



ANNEXURE – II

FORMAT FOR OTHER INFORMATION

(To be filled in by the bidder)

Cost of Bid: Rs.1000/- -----

Cash receipt/Bank Draft No: -----

Date: -----

- ✓ Name of the firm: -----
- ✓ Address: -----
- ✓ Telephone/Mobile No: -----
- ✓ Fax Number: -----
- ✓ Email: -----
- ✓ TIN/VAT/CST No: -----
- ✓ Firm Registration No: -----

(If any)

- ✓ PAN: -----
(Attach photocopy)

- ✓ **Details of Earnest Money (Bids Security) @ 2% of the estimated values of the equipment to be provided.**

a) Bank Draft/Pay Order No.

b) Date.

c) For Rs.

d) Drawn On.

Place -----

(Signature of the authorized person)

Date -----

Name of the Contact person

Name of the Firm

Contact No.

Seal



ANNEXURE – IV

FINANCIAL BID

Sl. No	Items	Amount
	Basic Cost of the Equipments	
	Sales tax & other taxes	
	Excise duty, if any	
	Customs duty, if any	
	Packaging & forwarding charges, if any	
	Octroi Duty, if applicable,	
	Training cost, if any	
	Installation and Commissioning cost, if any	
	Any other charges, if any	
	Grand Total (in figure & words)	

(Signature of the authorized person)

Name of the Contact Person

Name of the Firm

Contact No.



ANNEXURE -V

CONTRACT FORM

(To be filled by the successful bidder only)

THIS AGREEMENT is made on the ----- day of -----,20----- between the Registrar, Institute of Advanced Study in Science and Technology (IASST), Vigyan Path, Paschim Boragaon, Guwahati – 781035 (hereinafter called “the Purchaser”) of the one part and -----(Name of Supplier) of ----- (city and country of Supplier) (hereinafter called “the Supplier”) of the other part:

WHEREAS the Purchaser is desirous that certain equipment/instrument and after sales services viz, ----- (Brief Description of equipment/instrument and after sales services) and has accepted a bid by the Supplier for the supply of those equipment/instrument and after sales services for the sum of ----- (Contract Price in Words and Figures) (hereinafter called ‘the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. In consideration of the payments to be made by the IASST to the supplier as hereinafter mentioned, the Supplier hereby covenants with the IASST to provide the equipment/instrument and after sales services and to remedy defects therein in conformity with the provisions of the Contract in all respects.
3. The IASST hereby covenants to pay the Supplier in consideration of the supply of the equipment/instrument and after sales services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the equipment and after sales services which shall be supplied/ provided by the Supplier are as under:

SL.N O	BRIEF DESCRIPTION OF EUIPMENT/INSTRUMENT AND AFTER SALES SERVICES	QUANTITY TO BE SUPPLIED	UNIT PRICE	TOTAL PRICE	DELIVERY TREMS



Annexure – VI: Experience statement

Experience in the relevant areas with the clients (Attach separate statement)

Sl. No.	Name of the Customer Organization	Year of Implementation	Scope of Work	Value of the work (In INR Lakhs)	Present status of the project

\$\$\$\$\$end\$\$\$\$\$
