



GAUHATI UNIVERSITY

Gopinath Bordoloi Nagar: Guwahati 781014: Assam: India

NIQ No.: *J.*

,Dated *21-09-* /2016

Notice Inviting Quotation

For

Design, Development and Implementation of Smart Class System at Gauhati University

Gauhati University intends to establish few smart class systems in its existing classrooms. The smart class system is a classroom environment where a normal classroom will be supplemented by audio-visual equipments along with capturing, structured storing, and retrieving of the entire content of the live and stored classroom activities. The system will have to be designed, developed and implemented with integration of suitable software and hardware. The scope of the work will be to implement approximately 4 to 6 numbers of Smart Class Systems in existing classrooms of 40 to 60 capacity.

Vendors, companies, or authorized entities of companies, who are with adequate expertise and experience for similar works may participate in the quotation process for consideration for selection.

The following terms and conditions in brief will be applicable:

1. Two Bid Procedure: The quotation must be in a two-bid system. All technical documents, along with the supporting documents in conformity of the terms and conditions are to be in a sealed envelop to be marked as "Technical Bid". Price quotations for various components clearly indicating the amount quoted, various tax components etc. must be in the second envelop to be marked as "Price Quotation". Both the envelopes are to be put in a single envelope and to be sealed and submitted to the Registrar, Gauhati University.
2. Only registered vendor with proper registration of Companies/Trades/Services, and for applicable Taxes of the Government can participate. Necessary documents must be enclosed.

3. At least 3 similar work contracts in Educational Institutes in previous 3 years, the contract value of which must be individually at least 60% of the current quoted values. Certified copies of the work order must be enclosed.
4. At least 1 similar work completion with successful implementation and completion certificate from the customer must be produced, the value of which should not be below 60% of the current quoted value.
5. EMD in form of DD in favour of Registrar, Gauhati University, payable at Guwahati for an amount of 2% of the total quoted value must be submitted, and to be put in the Price Quotation envelope.
6. The last date of submission of quotation is **05/10/2016**, up to **4.30 PM**.
7. Rates must be quoted module/item wise.
8. All other terms and conditions will be as per the GU rules and regulations.
9. GU reserves the right of modifications, cancellations and decisions in regards to the entire process.
10. All communications must be addressed to the Registrar, Gauhati University, Guwahati 781014, Assam, India.

Design, Development and Implementation of Smart Class System at Gauhati University

Details and Scope of works (for one Smart Classroom System) :

Sl No	Category/Module/Concept	Details/Items
1	Basic Objective	To provide real-time fully interactive digital classroom facilities, which can be captured, stored and retrieved as a structured and integrated virtual class, and where students and teacher can also participate from remote locations using ICT based tools.
2	Facility and Service Components	<ul style="list-style-type: none"> • Audio Visual environment • ICT tools and applications for integration of the whole smart class system. • Integrated Capturing of the live class with three components: <ul style="list-style-type: none"> ▪ Audio (Teachers and Students), ▪ Video (Teachers/dais), and the ▪ Board(Content written/ presentation) • Storage of captured integrated class • Streaming/access of the stored class as a virtual class
3	Software and Hardware capabilities	Automatic integration and recording, distribution of live lectures, and storage. The Voice-Video-Board integration, recording, storage, security and distribution of content, all have to be carried out by automated software with minimal human intervention and without affecting the normal teaching learning procedure. The software should also give facility for content management, and video conferencing facilities with the existing hardware.
4	Supply, installation, testing, programming and commissioning of-- (three years onsite warranty)	Interactive White Board Wall mount, Movable option, Standard USB 2.0 Power option through USB, Infrared HID Technology, Resolution: 2 point touch, with write board Pen Size: 78"/83" Aspect Ratio: 4:3/16:10 Operating System: Windows 7 to 10,Mac osx, Linux Ubuntu
5		LCD Projector Brightness: 3000ANSI Lumens, XGA,WXGA projector, Contrast/Aspect Ratio= 4000:1,Resolution:1024*768 pixels, RGA, Composite Video, Audio Input 4500/6000/10000 Hrs lamp life (Normal+ Eco 1+Eco2+Auto) on mode 1. ST/UST Option
6		Lectern With built in amplifier n built in mic, handheld/collar , Input for line n aux

		Digital Podium	Display panel on board with USB/Bluetooth/Wireless connectivity
7		PC Desktop Laptop	Windows 10,mac,Linux, mIn 4GB RAM 500 GB HDD Sata, Screen 15"
8		Speaker System	Wall mounting speaker System 5.1 With surround sound; Speaker Option 4/6/8 depending on room
9		Portable Visual Presenter	Shooting area 36cm x 28cm Digital/optical Zoom, image sensor, XGA resolution 1028 x 768, Horizontal and vertical Rotatable camera, Input audio, VGA/HDMI/LAN
11		Projector screen	4x3 home screen 16x9 wide screen
10		UPS and power supply to all audio-visual components	5 KVA/4.5 KW On-Line UPS with Inbuilt Isolation Transformer and 02 hour battery back-up using SMF Batteries(7000 VAH); Input/Output - 230V, 50Hz; Crest Factor - 4:1 Inbuilt Type 2 surge arrester (50kA) as per EN 61643-11 ISO 9001, 14001; OHSAS 18001 & RoHS Certifications
12	Cables, connectors, fittings, fixtures, installations, testing, programming, and final commissioning		Cabling and Networking of the entire system inside the class with a Gigabit Switch, one 6 U Rack, and ISI Certified Electrical Equipment as per requirement for the fitting and installations inside the room.

The last date of submission of quotation is **05/10/2016**, up to **4.30 PM**.

Registrar
Gauhati University

Memo

No.: **GU/G/16/2034-39**

,Dated **21/9/16**

Copy to:

1. Rector, G.U.
2. Secretary to the Vice Chancellor, for information of the Vice Chancellor
3. Jt. Registrar, G.U., for uploading in the G.U. website
4. M/s Gulf Advertising Agency, for publishing the BRIEF VERSION of this notice in the Assam Tribune in the immediate next issue, and submit the bill in triplicate for payment.
5. Office Files


Registrar
Gauhati University