



**गुरु घासीदास विश्वविद्यालय**  
GURU GHASIDAS VISHWAVIDYALAYA

(A Central University established by the Central Universities Act, 2009, No.25 of 2009)

**KONI, BILASPUR-495 009 (C.G.) INDIA, कोनी बिलासपुर 495 009 (छठगाढ) भारत**

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Ref. No.851/Store/EOI/2013

**Expression of Interest**

Bilaspur, Date-07.01.2013

Sealed Expression of Interest (EOI) are invited from firms with proven track record and having capabilities in setting up of E-Class rooms/smart class rooms as a turnkey project in the University Teaching Departments. The EOI documents can be downloaded from the University website ([www.ggu.ac.in](http://www.ggu.ac.in); link: tenders). EOI fee of Rs.2,000/- by Demand Draft drawn in favour of "Registrar, Guru Ghasidas Vishwavidyalaya" payable at Bilaspur (C.G.) to be submitted along with EOI.Envelope should be addressed to the Assistant Registrar (Stores), Guru Ghasidas Vishwavidyala, Bilaspur and should reach on or before 1500 hrs, 28.01.2013. Received EOIs will be opened on 28.01.2013, 1530 hrs at the above address in the presence of bidders or their representative. EOIs received after due date & time will not be considered. For more details please log on to [www.ggu.ac.in](http://www.ggu.ac.in).

Registrar

**INVITATION FOR EXPRESSION OF INTEREST (EOI) FOR SETTING  
UP OF E-CLASS ROOMS/SMART CLASS ROOMS AT UNIVERSITY  
TEACHING DEPARTMENTS**

Submission of EOI proposal : Till 3:00 pm of 28.01.2013  
Opening of EOI Proposal : 3:30 pm, 28.01.2013  
Presentation : 11:30 am, 29.01.2013



**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR**

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BILASPUR (C.G.)



## **GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR**

A Central University established by the Central Universities Act, 2009 No. 25 of 2009

Phone: 07752-260342,260381 FAX: 07752-260154, 260148 www.ggu.ac.in

**Notice No: 851/Store/EOI/2013**

**Date: 07.01.2013**

**Sub: Expression of Interest (EOI) for setting up of E-Class Rooms/Smart Class Rooms in University Teaching Departments.**

Sealed Expression of Interest (EOI) are invited by Guru Ghasidas Vishwavidyalaya (A Central University) Bilaspur (C.G.) from firms with proven track record and having capabilities in setting up of E-Class rooms/smart class rooms as a turnkey project in University Teaching Departments.

The EOI document can be obtained by downloading a copy of the same posted at University website ([www.ggu.ac.in](http://www.ggu.ac.in); link: tenders) and EOI fee of Rs.2,000/- by Demand Draft drawn in favour of "Registrar, Guru Ghasidas Vishwavidyalaya" payable at Bilaspur (C.G.) to be submitted along with EOI.

The University will examine the credentials of the contracting firms, based on the documents submitted and verification, experience, turnover, list of satisfied clients, financial soundness and certifications etc. and scrutinize the EOI submitted by them. As a part of short listing exercise, vendors will be required to make a focused presentation on company, expertise and experience in the relevant field, products, etc. for not exceeding 15 minutes before the Technical Committee of the University.

Interested firms are requested to send their sealed EOI as per Annexure I under a sealed envelope superscribed with "Expression of Interest – Setting up of E-Class/Smart Class Rooms" by speed post/registered post/courier to the Asst. Register (Stores), Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur – 495009 on or before 28.01.2013 by 3:00 pm.

The EOI Proposal will be opened on 28.01.2013 at 3:30 p.m. in the presence of authorized representative of the contracting firms. Vendors presentation at the pre-bid meeting will be held on - 29.01.2013 at 11:30 a.m. Based on the discussion in the pre-bid meeting, with the vendor inputs the final specification will be uploaded on our website, based on which the shortlisted vendors are supposed to submit their Proposal in two part (PartA: Technical and Part B: Commercial).

The University reserves the right to issue Request For Proposal (RFP) to vendor it deems eligible and qualified based on the evaluation of the EOI submitted by the bidders, vendor presentations, etc. The decision of the University in this regard shall be final. The University reserves the right to reject any or all the offers without assigning any reason. Any attempt on the part of contracting firms to influence, negotiate directly or indirectly with the University will lead to exclusion from consideration.

**Please note: This is not a Request for Proposal (RFP) and commercials are not to be submitted with EOI.**

Registrar (Acting)

## 1. INTRODUCTION

Presently the University intends to convert its existing 45 class room into smart class room and 05 as E-Class rooms having facilities as prescribed in the scope of work.

## 2. BIDDERS WHO ARE INTERESTED TO PARTICIPATE SHOULD MEET THE FOLLOWING ELIGIBILITY CRITERIA:

- (i) Minimum of 3 (three) years of experience in setting up smart class rooms with an annual group turnover of minimum 15 Crores in the preceding financial year. Preference will be given to companies having presence in other Universities/academic institutions and ISO certification.
- (ii) A certificate (affidavit) to be signed by MD/CEO of the company that they haven't been debarred or blacklisted for any services, supplies or products dealing in, by any organization or Educational Institute/University or State/Central Government and no criminal case/legal proceeding or industrial dispute is pending or contemplated against them.
- (iii) Summary of average annual turnover and net worth (copy of audited statement of accounts/balance sheet for the last three financial years) be submitted.
- (v) Name, address/contact details of present and past satisfactory services of minimum three clients to whom such services are being/have been extended, of comparable value.

3. Bidders must submit the documentary proof in support of meeting the minimum qualification criteria. Simply an undertaking by the Bidder for any item of the criteria duly sealed and signed shall not suffice the purpose. All the documentary proof must be listed on the letter pad of the company and enclosed in a cover, to be submitted with the EOI proposal.

## 4. SCOPE OF WORK

Each classroom is to be provided with the following

### **INTERACTIVE BOARD**

Interact and annotate over various topics, power point slides, Movies, Web pages or any other computer application with the extensive Interactive image gallery and Topic resources. Keep students focused on topic at the front of the room – even user can come up to the Interactive Board to solve problems interactively

### **INTERACTIVE PAD**

Interact and annotate over any topics, power point slides, Web pages or any other computer application from anywhere in the room and keep participants focused on the topic at the front of the room – even have they come up to the Interactive Pad to solve problems interactively.

### **VISUALIZER/DESKTOP VISUAL PRESENTER**

Featuring superior quality optics and user friendly feature and should capture clear images of Paper documents, 3D objects, film and transparencies.

### **LCD PROJECTOR**

The projector should be able to project superior quality image and compatible in all respect to total smart class room solution. Motorised white screen with wireless controller/ smart board/screen are to be provided.

### **IP CAMERA**

PTZ I camera to be fitted in each smart class room and will be connected to the server. The software for operation, utilization and network will be part of the system. The camera shall be required for real time viewing and storage and for subsequent viewing on the basis of search parameters. The camera shall be able to be operated remotely. It will be colored camera and working with all standard protocols. The camera should be integrated in effective manner to smart room system.

#### **LAPTOP/DESKTOP COPMPUTERS**

Laptop/Desktop with blue ray drive and HD output. ( I-5 processor & higher configuration).

#### **DIGITAL CONSOLE & AUDIO SYSTEM**

These consoles are required for presentation/teaching/training by the lecturer/instructor for imparting training to the students. This helps the lecturer/instructor to impart the instruction to the students standing at the Digital Console without moving from console to interactive board. The Audio System should be USB based for interactive board using USB storage device mount the speakers directly to interactive board or remotely mount them away from the interactive board. Use the dual RCA receptacles to connect external audio sources, such as a VCR or DVD player. The audio system provides a comfortable listening volume in class room

#### **AIRCONDITIONER**

Air conditioner will be of split type and the capacity will be of two tons. Requirement of number of AC in each room will depend on its size & seating capacity.

#### **FURNITURE**

Suitable seating furniture with microphones at each desk location.

#### **NETWORKING SERVER**

The project will also consist of networking of each class room console to server. The switches, router, cables, connectors etc. are as per the actual requirement and of reputed brand that shall also be the part of the project.

#### **ELECTRONIC ATTENDENCE MACHINE/BIOMETRIC ATTENDENCE MACHINE**

The attendance machine should be able to record the attendance of students and compatible with existing UMS/ERP of the University.

#### **MEMORY DEVICES**

External memory devices are required to store the information/data of the E-Class Rooms/Smart Class rooms.

#### **UPS**

Online UPS each with one hour battery backup of reputed brand.

### **1. STANDARDS**

All the equipment shall conform to relevant standards of the industry. The system should be flexible and upgradable. Any new software to upgrade the system may be supplied by the vendor free of cost during its warranty period.

### **2. INSTALLATION AND COMMISSIONING**

These specifications are indicative not exhaustive. Whatever accessories, components, cables etc. are required to run the total smart class room solution will be arranged by the vendor. Complete Installation & commissioning shall be the part of the project. The system has to work in totality not in piece meals.

### **3. Acoustical Requirements/checks in the Classrooms:**

Each classroom will be evaluated for the following acoustical parameters:

- (a) The amplifier-loudspeaker system should be selected and placed, such that for optimum speech intelligibility at all the seat locations, the dynamic range of the system should be around 118 dB in the entire audio frequency band.
- (b) The MINIMUM air-borne sound reductions between the classrooms and corridors should be 35 dB.
- (c) At 500 Hz, the reverberation time in the empty classroom should not increase above 1.25 s. It should be around or less than this value at other frequencies too.
- (d) Feedback suppressor should be provided.
- (e) The sound from the laptop must also be played through the installed audiosystem.

**4. Other Technical and Commercial Requirements:**

- (a) Supply, installation and commissioning of all the above hardware/equipment has to be done by a single vendor.
- (b) Complete system integration has to be done by the same vendor as a turnkey project.
- (c) Instructions for its operation and maintenance must be provided.
- (d) Training for its use must be provided.
- (e) Dedicated on-site manpower for its use, day-to-day maintenance and on-site trouble shooting must be provided for a period of 3 years from the date of installation.
- (f) Inventory of essential spares like lamps, cables, connectors, batteries, laptops must be maintained.
- (g) Warranty for all hardware must be provided for 3 years.
- (h) Appropriate amount of performance bank guarantee be provided for next 3 years.
- (i) Protection against lightning and electrical surges/shocks be provided.
- (j) The audio-visual equipment which will be installed must have a capability for future expansion/integration with new technology/products available in the market.
- (k) Vendors are encouraged to submit details of any new state-of-the-art or alternate solutions.

## DECLARATION

1. I, ----- Son /Daughter of Shri -----

----- Proprietor/ Partner/ Director/ Authorised Signatory of M/s.  
----- am competent to sign this declaration  
and execute this EOI document.

2. I have carefully read and understood all the terms and conditions of the EOI  
and hereby convey my acceptance of the same.

3. The information/ documents furnished along with the above application are  
true and authentic to the best of my knowledge and belief.

4. I/ we/ am are well aware of the fact that furnishing of any false information/  
fabricated document would lead to rejection of my bid at any stage besides  
liabilities towards prosecution under appropriate law.

Signature of the Authorised Person

Date : -----

Full Name : -----

Place : -----

Company Seal : -----

Mobile No.- -----

Note : The above declaration, duly signed and sealed by the authorised  
signatory of the firm/company, should be enclosed with the EOI document.