

# INVITATION FOR EXPRESSION OF INTEREST (EOI)

**Setting up an interactive laboratory for immersive virtual experience (LIVE) and Restoration of Main Building Foyer, Ante Room and Exhibition Hall at IIT Kharagpur**

Submission of EOI proposal: Upto 12:30 pm of 13<sup>th</sup> October 2017

Opening of EOI Proposal: 3:30 pm, 13<sup>th</sup> October 2017

Presentation: 4:00 pm, 13<sup>th</sup> October 2017



**INDIAN INSTITUTE OF TECHNOLOGY  
KHARAGPUR**



भारतीय प्रौद्योगिकी संस्थान खड़गपुर  
Indian Institute of Technology  
Kharagpur

No. IITKGP/AAIR /EOI/2017-18/01

Dated:18<sup>th</sup> September, 2017

**Sub: Setting up an interactive laboratory for immersive virtual experience (LIVE) and Restoration of Main Building Foyer, Ante Room and Exhibition Hall at IIT Kharagpur.**

Sealed Expression of Interest (EOI) are invited by Indian Institute of Technology Kharagpur from firms with proven track record and having capabilities in design, supply, installation, commissioning and maintenance as a turnkey project involving architectural restoration, civil renovation, furnishing, HVAC, networking, state of the art hardware and software for immersive audio-visual experience, in-house and at-distance conferencing, located in the Foyer, Ante Room and Exhibition Hall in the main campus at Kharagpur, West Bengal.

The EOI document can be downloaded from Institute website ([www.iitkgp.ac.in](http://www.iitkgp.ac.in); Link: Tenders) and the same is also available on CPP Portal (<https://eprocure.gov.in>). The EOI submission fee is Rs.10,000/- (non-refundable) and same must be submitted in the form of Demand Draft drawn in favour of "Indian Institute of Technology Kharagpur" payable at Kharagpur. **The estimated cost of the whole project is Rs. 6 crores (Rupees six crores)**. Any corrigendum and addendum shall only be published on the Institute Website and CPP Portal.

Interested firms are requested to send their sealed EOI as per Annexure I under a sealed envelope superscribed with "**Expression of Interest (EOI) for setting up an interactive laboratory for immersive virtual experience (LIVE) and Restoration of Main Building Foyer, Ante Room and Exhibition Hall at IIT Kharagpur**" by post or submitted in a locked drop box at the Office of Alumni Affairs and International Relations of IIT Kharagpur on or before date and time mentioned on the title page of this document.

The EOI Proposal will be opened on the date and time mentioned on the title page of this document in AAIR Office of IIT Kharagpur in the presence of Committee. Authorized representative of the bidders are hereby encouraged to be present at the opening.

The Institute will examine the credentials of the firms, based on the submitted documents as per the eligibility criteria.

After evaluation of eligibility criteria, as part of short listing exercise, vendors will be required to make a focused presentation on company, expertise and experience in the relevant field, details of the proposed solution etc. for not exceeding 30 minutes to the Technical Committee of IIT Kharagpur.

Based on the proposed acceptable solution (taken in part or whole from all submissions) RFP/Tenders may be issued at a later date, based on which the vendors are expected to submit their two part (Part A: Technical and Part B: Commercial) offers as per Institute rules.

The Institute reserves the right to (i) issue Request For Proposal (RFP)/Tenders to bidders if deemed eligible and qualified based on the evaluation of the EOI submitted by the bidders, presentations, etc. (ii) reject any or all proposed solutions from this EOI in part or in whole, (iii) create specifications based on any or all proposed solutions from this EOI in part or in whole and use them in limited or open tendering for this and/or other projects, etc. The decision of the Institute in this regard shall be final.

The Director, Indian Institute of Technology Kharagpur reserves the right to reject any or all the offers without assigning any reason. Any attempt on the part of any firms to influence, negotiate directly or indirectly with the Institute will lead to exclusion from consideration.

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

1. Institute Website
2. CPP Portal
3. Notice Board

Associate Dean  
Office of Alumni Affairs and International Relations  
IIT Kharagpur

### **1. INTRODUCTION**

IIT Kharagpur started its journey in the old Hijli Detention Camp in 1951, where some of the country's great freedom fighters toiled and sacrificed their lives for India's independence. The majestic Main Building came up in 1955. IITKGP today is a world class technological university housing 12000 students and 650 faculty members, offering 50 undergraduate and 57 graduate programs in areas ranging from basic sciences and core engineering, to humanities, law, management and healthcare. IITKGP is not just the place to study technology, it is the place where students are taught to dream about the future of technology and beam across disciplines, making differences enough to change the world. The proposed LIVE project is thus expected showcase the rich history, the myriad achievements and the future aspirations of IIT Kharagpur. The location of LIVE is the most centrally located area of the Main Building – the Exhibition Hall which is to be accessed through the grand entry foyer and the ante room.

### **2. MINIMUM ELIGIBILITY CRITERIA**

**Bidders who are interested to participate should meet the following minimum eligibility criteria:**

- (a) Bidder shall have completed designing, supplying, installation and commissioning of **similar projects** in a reputed government or corporate organization during previous five years from the date of tender submission deadline. Name, address/contact details of the present and past satisfactory clients to be provided as per the format in Annexure -II.
- (b) Experience of having successfully designed, supplied, installed and commissioned **similar project(s)** at any reputed government or corporate organization in India during the last 03 (three) years as of tender submission deadline, as per the following details:
  - a. Three similar completed projects costing not less than the amount equal to 40% of estimated cost; **OR**
  - b. Two similar completed projects costing not less than the amount equal to 50% of the estimated cost; **OR**
  - c. One similar completed project costing not less than the amount equal to 80% of the estimated cost;
- (c) The bidder must have a minimum annual average turnover of Rs. 6 crore during the three previous financial years ending on 31<sup>st</sup> March this year. Bidder must submit copies of audited Statement of Accounts for the last three years ending 31<sup>st</sup> March this year along with the EOI.
- (d) Solvency certificate minimum of Rs. 2 crore in a prescribe format (Annexure -III) is required from any scheduled bank.
- (e) Proof of Registration of the bidder under relevant law, such as Companies Act, and / or Shops & Establishment Act or Trade License from appropriate authority etc.
- (f) All bidders should submit along with their EOI, copies of PAN Card, GST Registration certificates.

- (g) A certificate (Affidavit) to be signed by MD / CEO of the company that they have not been debarred or blacklisted for any services, supplies or products dealing in, by any organizations or educational Institute/ University or state/ central government and no criminal case/legal proceeding or industrial dispute is pending or contemplated against them.
- (h) The bidder must submit copies of acknowledgement of Income Tax return for the last three financial years ending on 31<sup>st</sup> March this year.
- (i) Filled in declaration as per the Annexure –IV

**Bidders must submit the documentary proof in support of meeting the minimum eligibility criteria. Simply an undertaking by the Bidder for any item of the criteria shall not suffice the purpose. All the documentary proof must be listed on the letter head, to be submitted with the EOI proposal.**

### **3. EOI SUBMISSION FEE**

For amount given on page 1 of this document (non-refundable) must be submitted in the form of Demand Draft drawn in favour of “Indian Institute of Technology Kharagpur” payable at Kharagpur.

### **4. SCOPE OF WORK**

**A. The Foyer.** It is about a 15 m by 15 m double height atrium at the entrance of the Main Building of IIT Kharagpur. This space should express the grandeur of the Institute to the visitor. It should also welcome the visitor, and present a brief map/directory of the Main Building. Its look and architecture should be restored to its original time period of the 1950s, preferably with highest quality materials evocative of the time period.

**B. The Ante Room** to the Exhibition Hall. It is about a 15 m by 8 m entry way into the Exhibition Hall. Currently, it is occupied by desks and officers. This place should become an organic extension of the Foyer. Its look and architecture should be restored to its original time period of the 1950s, preferably with highest quality materials evocative of the time period.

The Ante Room should display historic objects and relics. On one end there may be a souvenir shop (the current International Relations Office). The East Wall should have a large digital tiled display ("Wall of Fame"). This display will be customizable with e.g., events of the day, historic milestones, national celebrations, Institute faculty/student/alumni achievements etc. It should be interactive and intelligent.

**C. The Exhibition Hall.** It is a large 18m by 18m square room interspersed by 4 symmetrically placed internal columns. Its west wall is glazed with tall windows looking into the front rose garden of the Institute. It has doors opening into the arterial ground floor north-south corridor of the Main Building. It also has attached with it a back office space on the north-west corner.

The Exhibition Hall shall house the state of the art interactive LIVE. The Hall shall be functionally partitioned, making judicious use of the four columns, the two corridor entries, and the West windowed wall. No hard/opaque partition is desirable.

Four functional areas are envisioned in the Exhibition Hall:

C(i) A large tiled display on the South Wall. This display will have multiple uses including (a) research on interactive display technology and algorithms, (b) technical/promotional presentations, (c) video conferencing, (d) distance learning, etc. There should be seating for about 20 people in this area.

C(ii) An interactive curved cylindrical display, spanning up to 180 degrees. This system should provide an immersive and interactive experience to the user.

C(iii) An interactive hemispherical immersive display. This system should provide an immersive and interactive experience to the user.

C(iv) A cosy lounge to host visiting dignitaries. Exclusive meetings between visiting dignitaries and Institute administrators may be conducted here. The space should comfortably host 10 to 15 individuals. Provision of refreshments, video conferencing may be considered for this area.

In addition, the back office area may be used for hardware, storage, pantry, staging etc.

The EOI should include the following:

1. Integrated architectural plan of Foyer, Ante Room and Exhibition Hall
2. Furniture plan for Exhibition Hall
3. Specifications of tiled displays and supporting hardware (both for Ante Room and LIVE). Content creation should also be factored into the design.
4. Specifications of cylindrical display and supporting hardware. Content creation should also be factored into the design.
5. Specifications of hemispherical display and supporting hardware. Content creation should also be factored into the design.
6. HVAC plan for Exhibition Hall
7. Any other detail necessary for proper planning and execution.

## **5. OTHER TECHNICAL AND COMMERCIAL REQUIREMENTS**

1. Single vendor will be responsible for planning, designing, supplying, executing/installing and commissioning of all the above renovation/hardware/software/equipment.
2. Complete system solution and integration has to be done by the same vendor as a **turnkey project**.
3. Instructions for its operation and maintenance must be provided.
4. Training for its use must be provided.
5. Dedicated on-site troubleshooting for the system must be provided for a period of 3 years from the date of installation and commissioning.
6. Inventory of essential spares must be maintained.
7. Warranty for all hardware must be provided for 3 years.
8. Protection against lightning and electrical surges/shocks be provided.

## **6. INTELLECTUAL PROPERTY OWNERSHIP**

By submitting a bid, regardless of whether the bidder's solution wins or not, bidder transfers all copyright and intellectual property ownership in perpetuity to IIT Kharagpur for use of the solution in part or whole in any academic, non-academic, promotional, non-promotional, commercial and non-commercial manner. Any loss or damage resulting from submission is not IIT Kharagpur's responsibility. Any revision, publicity, editing and formatting of bidder's submission are completely in IIT Kharagpur's discretion.

## **7. CORRESPONDENCE**

For any query pertaining to this document, correspondence may be made to:

Associate Dean of Alumni Affairs and International Relations  
Indian Institute of Technology Kharagpur, Kharagpur-721302.  
Email:adeanaa@adm.iitkgp.ernet.in

## **8. EOI SUBMISSION ADDRESS:**

Associate Dean of Alumni Affairs and International Relations  
IndianInstituteofTechnology Kharagpur  
Kharagpur-721302, West Bengal  
India

**Annexure -II**

**DETAILS OF EXISTING /COMPLETED CONTRACTS**

| Sl. No. | Name and address of the organisations/ Institutes Name, designation and contact phone/fax numbers of the Officer concerned | Details regarding the contract, including manpower deployed | Value of contract (in INR) | Duration of contract |                | Additional information/ remarks, if any |
|---------|--|---|----------------------------|----------------------|----------------|---|
|         |  |   |                            | From<br>dd/mm/yy     | To<br>dd/mm/yy |   |
|         |  |   |                            |                      |                |   |
|         |  |   |                            |                      |                |   |
|         |  |   |                            |                      |                |   |
|         |  |   |                            |                      |                |   |
|         |  |   |                            |                      |                |   |

Signature of the Authorised Person

Date : -----

Full Name : -----

Place : -----

Company Seal : -----

Note :

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



**Annexure -III**

**Solvency Certificate**  
[Format for Solvency Certificate]

To  
The Registrar  
Indian Institute of Technology Kharagpur  
Kharagpur 721302  
West Bengal

Solvency Certificate

This is to certify that to the best of our knowledge and information, M/s..... (address) ..... a customer of our bank is respectable and be treated as good for an engagement up to a sum of Rs..... (Solvency amount) ..... only as on..... (Date of Certificate).

This Certificate has been issued without any risk and responsibility on the part of the Bank or any of its officers. This certificate is issued at the specific request of the customer.

Yours faithfully,

For..... Bank  
Bank Officer with designation

**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 tender 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 tender at any stage besides liabilities towards prosecution under appropriate law.

Signature of the Authorised  
Person

Date : -----

Full Name : -----

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Place : -----

Company Seal : -----

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