



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

**INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI**

(An Autonomous Institute under Ministry of Human Resource Development, Govt. of India)  
Transit Campus: Sree Rama Engineering College Campus, Karakambadi Road,  
Mangalam B.O., Tirupati – 517 507, Andhra Pradesh, India.

**(MENTORED BY IISER PUNE)**

## **NOTICE INVITING TENDER**

**Tender No: IISERT/PUR/0080/17**

**Date: 28.06.2017**

Indian Institute of Science Education and Research, Tirupati invites Tenders in two bids systems, from OEM/ Authorized System Integrator Partner having Direct Purchase and Support Agreement with the OEM(s).

### **BRIEF DETAILS OF TENDER:**

<b>Description</b>	<b>Tender Reference Number</b>	<b>EMD (Rs).</b>	<b>Tender Fee (incl of all taxes) (Rs.)</b>
Supply, Installation, Integration, Testing and Commissioning of <b>one</b> High Definition Video Conferencing Equipment with allied virtual classroom set up on turnkey basis	<b>IISERT/PUR/0080/17</b>	90,000/-	1,000/-

### **SUMMARY OF TENDER:**

<b>Sr. No</b>	<b>Particulars</b>	<b>Date</b>	<b>Time</b>
1	Date of Publish of Tender	<b>28-06-2017</b>	<b>17:00 Hrs</b>
2	Pre-Bid Meeting	<b>05-07-2017</b>	<b>15:00 Hrs</b>
3	Bid Submission Close Date	<b>19-07-2017</b>	<b>15:00 Hrs</b>
4	Opening of Technical Bids	<b>19-07-2017</b>	<b>15:30 Hrs</b>



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You are requested to kindly go through the detailed instructions and terms & conditions mentioned below and submit your most competitive offer by the last date and time of submission cited above.

The BIDDERS are requested to give detailed tender in two Bids in two different sealed envelopes with Tender Reference No., Due Date and Description super scribing on each envelope i.e at the below given address.

- a. Part - I: Technical Bid.
- b. Part - II: Commercial Bid.

## **Technical & Commercial contact:**

Assistant Registrar (Admin & Purchase)  
Indian Institute of Science Education and Research (IISER), Tirupati  
Karakambadi Road,  
Mangalam,  
Tirupati – 517 507, India  
Tel: +91 - 0877 2500208  
Fax: +91 - 0877 2500250

## **Disclaimer**

The information contained in this TENDER document or information provided subsequently to bidder(s) or applicants whether verbally or in documentary form by or on behalf IISER Tirupati, is provided to the bidder(s) on the terms and conditions set out in this TENDER document and all other terms and conditions subject to which such information is provided.

This TENDER document is not an agreement and is not an offer or invitation by IISER Tirupati to any parties other than the applicants who are qualified to submit the bids (“bidders”). The purpose of this TENDER is to provide the bidder(s) with information to assist the formulation of their proposals. This TENDER does not claim to contain all the information each bidder may require. Each bidder may conduct its own independent investigations and analysis and is free to check the accuracy, reliability and completeness of the information in this TENDER. IISER Tirupati makes no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this TENDER. IISER Tirupati may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this TENDER.

Bidders are advised to study the Bid Document carefully which consist of following sections:



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## Chapter 1

**Indian Institute of Science Education and Research (IISER), Tirupati invites Tenders for Supply, Installation, Integration, Testing and Commissioning of High Definition Video Conferencing Equipment on turnkey basis at it's premises.**

**Scope:** Supply, Installation, Integration, Testing and Commissioning of **one** High Definition Video Conferencing Equipment with allied virtual classroom set upon turnkey basis in the IISER Tirupati Premises with 03 years Warranty (Comprehensive maintenance / warranty) and Support with all the details and conditions as mentioned in the tender document.

1. The BIDDERS are requested to give detailed tender in two Bids i.e.

- a. Part - I: Technical Bid.
- b. Part - II: Commercial Bid.

2. A Pre-bid conference will be held on 05.07.2017 at IISER Tirupati, C/o Sree Rama Engineering College (Transit Campus), Rami Reddy Nagar, Karakambadi Road, Mangalam (P.O.) Tirupati -517507 on the date and Time Mentioned in Time Schedule / NIT.

All prospective bidders are requested to kindly submit their queries to the address indicated above or email at **[purchase@iisertirupati.ac.in](mailto:purchase@iisertirupati.ac.in)** so as to reach latest by **19-07-2017 15:00 Hrs.**

During Pre-bid meeting the answers / clarifications to the queries will be made available and also uploaded on our website. No queries will be entertained after the Pre-bid meeting.

### TIME SCHEDULE

S. No	Particulars	Date	Time
1	Date of Online Publication/Download of Tender	<b>28-06-2017</b>	<b>10:00 Hrs</b>
2	Pre-Bid Meeting	<b>05-07-2017</b>	<b>15:00 Hrs</b>
3	Bid Submission Close Date	<b>19-07-2017</b>	<b>15:00 Hrs</b>
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Supply means: “Supply, Installation, Commissioning and satisfactory demonstration of the whole system and training”. If any charges extra are payable for Installation, Commissioning and training, the same should be specified in the commercial offer.

### 3. Availability of Tender

The tender document can be downloaded from <http://www.iisertirupati.ac.in/tenders/>.

#### Technical Bid:

1. The envelope clearly marked as "Technical Bid - Envelope No. 1" shall contain all copies of originals documents.

a) Solvency certificates for Rs. 18,00,000 - Eighteen Lakhs (not older than twelve months) issued by Scheduled/Nationalized bank with which BIDDER holds the current account.

b) Copy of LST/CST/WCT/GST No. PAN No. and TIN No. allotted by the concerned authorities. If registered with the National Small Industries Corporation, the registration number, purpose of registration and the validity period of registration and a copy of DGS&D registration wherever it is applicable should also be provided in Technical Bid.

c) Manufacturer (OEM) authorization certificate(s) mandatorily for all equipment's forming the part of the part of the solution.

d) A Well-defined and described solution document in adherence to the technical specifications documented in this tender along with technical literature/ leaflets and complete specifications of quoted model(s) along with commercial terms and conditions.

e) Compliance statement/questionnaire of tender terms and conditions as per **Annexure-‘A’**.

f) Blacklist Certificate and other mandatory declarations as per **Annexure –‘B’**.

g) Bid Security/EMD as per **Annexure- ‘C’**.

h) In case of exemption from submission of Bid security, proof of registration with DGS&D/NSIC.

i) Previous Supply Order List Format as per **Annexure –‘D’**.

j) Unpriced Bill of Material List Format as per **Annexure –‘E’**.



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k) Undertaking that the successful BIDDER agrees to give a security deposit amounting to 10% of the purchase order value by way of Demand Draft in favor of The Director, IISER Tirupati. **Annexure –‘F’**.

l) Bidder Information Form as per **Annexure –‘G’**.

m) The Tender Fee & EMD is required to be submitted the same in original in a sealed envelope along with the Technical Bid at the following address.

n) Valid ISO certificate held by the bidder.

**Assistant Registrar (Admin & Purchase)**  
**C/o Sree Rama Engineering College (Transit Campus),**  
**Rami Reddy Nagar, Karakambadi Road,**  
**Mangalam (P.O.) Tirupati -517507.**  
**Andhra Pradesh, INDIA**  
**Ph No 0877 2500 208**

## **TENDER FEE & EARNEST MONEY DEPOSIT DETAILS**

### **Earnest Money Deposit (EMD)**

1 The bidder shall be required to submit a sum of **Rs. 90,000/- (Ninety Thousand Only) as Earnest Money Deposit (EMD)** issued by Public Sector Banks or Private Sector Banks authorized to conduct the Govt. business or as per format enclosed as **Annexure- ‘C’**. Bids not accompanied with EMD shall be summarily rejected unless otherwise exempted as per Government of India (GoI) regulations.

2 It shall be understood that the Tender Document has been issued to the bidder and the bidder is permitted to bid in considerations of the stipulation on his/her part, that after submitting his/her bid, he/she will not resale from his offer or modify the terms and conditions thereof in a manner not acceptable to IISER Tirupati.

3 Should the bidder fail to observe or comply with the said stipulation, the EMD amount shall be liable to be forfeited.

4 The EMD of the successful bidder will be returned on submission of Performance Bank Guarantee as defined in this Tender Document and obtaining confirmation from respective Bank.

5 The EMD of the unsuccessful bidders shall be returned to them within one month of issue of Letter of Acceptance to the successful bidder. IISER Tirupati is not liable to pay any interest thereon.

6 In case, it is found that, the bidder/s has furnished misleading/wrong or fraudulent information / documents or information furnished by them is not found to be true, the Earnest Money Deposit of the bidder/s shall be forfeited.

7 In case the bidder withdraws the bid before opening of the financial bid, then the EMD of the respective bidder shall be forfeited.



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**4. The Technical offer should not contain any price information.**

**5. Adherence to the Specifications:**

Specifications are the basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected /supported by the printed technical leaflet/literature. Therefore the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance of the above shall be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party.

**6. Compliance Statements:**

a) Bidders must furnish a Compliance Statement of each and every required Specification of our tender in the format at **Annexure-‘A’**. The deviations, if any, from the tendered specifications should be clearly brought out in the statement. Solution Document, Technical literature/leaflet showing the compliance of the specification may also be attached with the quotation.

**Envelope 2 : “Commercial Bid” shall contain:**

- i. Cost of all the items and integration as mentioned in Chapter-6 should be mentioned clearly and individually in the Commercial Offer (**as given in Chapter 7**) only.
- ii. The BIDDERS are requested to quote for Educational Institutional Price for Equipment and software, since we are eligible for the same.
- iii. The prices should be shown against each item for the purpose of Insurance claims / replacements if any.
- iv. List of deliverables / Bill of materials and services.

**Note:**

(i) No request for extension of due date will be considered under any circumstances.

(ii) **No sub-contracting is allowed** with regard to installation, commissioning, training, warranty maintenance and after sales service. This is the sole responsibility of the Principals'/their authorized agents

**7. Responses to Pre-Bid queries and issuance of Corrigendum**

1. Amendments necessitated as a result of the pre-bid meeting or otherwise, shall be made available on IISER TIRUPATI website. It shall be the responsibility of the bidders to amend their bids incorporating the amendments so communicated



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through the website. IISER Tirupati shall not be responsible for any oversight or negligence on part of the bidders on the amendments to the terms and conditions of the Tender Document and notified through the website.

2. IISER Tirupati will endeavor to provide timely response to all queries. However, pre-bid queries common in nature shall be addressed with a single response instead of individual responses to every bidder for same query.
3. At any time prior to the last date for receipt of bids, IISER Tirupati may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Tender Document by a corrigendum.
4. The Corrigendum (if any) & clarifications to the queries from all bidders will be posted on the website and no separate communication either in writing or through email will be made with any Bidder.
5. Any such corrigendum shall be deemed to be incorporated into this Tender Document.
6. In order to provide prospective Bidders reasonable time for taking the corrigendum into account, IISER Tirupati may, at its discretion, extend the last date for the receipt of Bids.

## 8. Bid Opening

- a) Technical Bids will be opened on date and Time Mentioned in the Time Schedule / NIT document.
- b) Financial Bids of the eligible bidders will be opened on a later date. The date and time for opening of Financial Bids will be announced later.
- c) Bids would be summarily rejected, if tender is not submitted within stipulated date / time. IISER Tirupati shall not be responsible for any postal delay, EMD & Tender Fee before Tender closing date.

## 9. Terms of the Technical Committee

(i) On the due date, the Technical bids will be opened and referred to the Technical Committee which is duly constituted by the Director, IISER Tirupati. The committee will go through the technical aspects of the tender and recommend short listed firms. The recommendation of the technical committee is the final and binding on all the parties.

(ii) The technical evaluation will be an assessment of the Technical Bid. IISER, Tirupati representatives will proceed through a detailed evaluation of the Technical Bids as defined in **Chapter 6 (Schedule of requirements, specifications and allied technical details)**, in order to determine whether they are substantially responsive to the requirements set forth in the tender. In order to reach such a determination, IISER, Tirupati will examine the information supplied by the BIDDERS, and shall evaluate the same as per the specifications mentioned in this tender.

(iii) The technical committee may formulate evaluation criteria in addition to the specifications and requirements indicated in the tender, in the interest of IISER,



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Tirupati and this criteria/recommendation will also form as a part of short-listing of the firms.

(iv) The Technical Committee will examine all the Technical aspects of the bids received. Further, the Technical Committee may seek additional information from the existing users at IISER, Tirupati or from other Institutes and **may also call for Technical presentations and demonstration from the BIDDER(s) if it is required so.**

(v) The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made by the Technical Committee.

(vi) After the technical evaluation is completed and approved, IISER, Tirupati shall inform to the BIDDERS whose bids have been rejected technically with the reasons.

The commercial offers of the vendors whose technical offers are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening along with their EMD after completion of the entire tender process.

(vii) The successful BIDDERS will be informed regarding the date and time of Commercial bid opening.

(viii) The purpose of obtaining two bids (technical and commercial) is to evaluate all the firms on technical basis with reference to the tendered specifications, performance of similar Solutions/Applications elsewhere, obtaining user's views with reference to the earlier supplies. This will enable the technical committee to arrive at a fair recommendation in the interest of the organization.

(ix) In the event of seeking any clarification from various BIDDERS by IISER, Tirupati, the BIDDERS are required to furnish only technical clarifications that are asked for. No amendment to commercial bid will be entertained at that stage. In case if a BIDDER fails to quote for a particular item, it amounts to non-compliance and hence such bid will not be considered for further evaluation. Further during this process if any BIDDER indicates the price during the clarification such bids also will not be considered for further evaluation.

## 10. Bid Evaluation

Based on results of the Technical evaluation IISER, Tirupati evaluates the Commercial Bid of those Bidders who qualify in the Technical evaluation.

a) IISER Tirupati shall correct arithmetical errors on the following basis:

(i) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected.



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- (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (iii) If there is a discrepancy between words & figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.
- b) The Vague terms like “packing, forwarding, transportation..... etc. extra” without mentioning the specific amount/percentage of these charges will not be accepted. Such offers shall be treated as incomplete and rejected.
- c) After arriving at final pricing of individual offers of all the short listed firms, the lowest firm will be awarded with Contract/Purchase Order.



## **CHAPTER-2: INSTRUCTIONS TO BIDDERS**

### **1. PREPARATION AND SUBMISSION OF OFFERS:**

a) Quotation should be submitted directly by the original manufacturer/supplier or its sole authorized distributor/dealer/Indian Agent. In case of bid by Authorized System Integrator Partner /Indian Agent, the manufacturer authorization letter should be attached with the technical bid.

b) The bidder shall bear all costs associated with the preparation and submission of its bid irrespective of the conduct or outcome of the bidding process.

c) The bidder should not indulge in any corrupt, fraudulent, collusive, coercive practices during the entire process of procurement and execution of contract/order.

d) Before the deadline for submission of the bid, IISER TIRUPATI reserves the right to modify the bidding document and to extend or not to extend the date of submission. Such amendment/modification will be hosted on IISER TIRUPATI website.

e) Conditional tenders will be summarily rejected.

f) The bidder's bid for the Video Conferencing setup, as selected to bid, must be for its latest version only as, released by the OEM at that time. Software Version / Equipment Make & Model must be clearly stated by the bidder in both the bids – technical and commercial. **All the Equipment (including cable and connectors) / OEM forming the part of the proposed set up should be reputed internationally recognized brands and should be present in Indian market for more than 7 Years with the authorized service centers located in the major cities of India.**

g) The Bidders should give clause-by-clause compliance for the detailed technical specification of the equipments / software applications / Tools in their technical bids. Compliance of all the terms & conditions, as stated in the Tender document, should also be given. An unpriced 'Bill of Material' for all the items as mentioned in **Annexure 'E'** of tender should be submitted for compliance of specifications and configurations of each of the items as part of the technical bid.

h) Bidder shall furnish a compliance statement of specifications & features of offered equipments/ items in the Technical Bid. Deviation on lower side of specifications will not be considered. Quotes for the latest versions of products only, as available on the closing date, shall be considered. No deviations in terms & conditions of the tender document will be accepted in any case. Complete Technical literature for each of the quoted item from OEM along with make, model number, specifications, configurations,



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product brochures, etc. of the systems / software / equipment highlighting the special features of their offer should be supplied by the bidder along with the quotation / technical bid.

i) If, a new version / model of any of the equipment, software, item, product, etc supplied to IISER Tirupati -In is released by its OEM / manufacturer within the next three months from the date of delivery; the said supplied item will be replaced by the supplier with the recently released version/model of the item without any extra cost. The products / Equipment's quoted should have full period of Life at the time of delivery and OEM should support the products quoted for at least 5 years from the date of installation and a letter to this extent be attached as a proof.

j) A certificate on company letterhead, stating that the bidder hasn't been blacklisted by any institution/ organization/ society/ company of the Central / State Government ministry/department, or its public sector organizations during the last three years, with company stamp and signed by authorized signatory should also be submitted (as in **Annexure B** ).

k) For a bidder, who has submitted the tender bids, it will be automatically assumed that he had accepted all the terms and conditions of the tender. A statement specifying that the quotations are strictly as per the terms and conditions of the tender, should be enclosed with the bids (**Annexure B**). No request for deviation in the terms and conditions of the tender will be entertained. If there is any deviation from the terms and conditions of the tender or the tenderer has submitted conditional bids, the bid will be summarily rejected.

l) **No Govt. Levies like Sales Tax, VAT, Service Tax, etc. shall be paid By IISER Tirupati in addition to the amount specified in the commercial bid price schedule. Bids should include Sales Tax, VAT, Service Tax, etc. The bid should be inclusive of Octroi, Packaging & Forwarding charges etc, if any, for delivery at the premises of IISER Tirupati upto to the designated site.** The commercial bid should include **Sales Tax, VAT, Service Tax, Octroi, Packaging & Forwarding charges, all incidental cost etc.** All prices shall be fixed and shall not be subject to escalation of any description. The rates must be quoted strictly as per the 'Unpriced Bill of Material' provided in **Annexure 'E'**; submitted with the Technical Bid.

## 2. Inspection by the bidder:

Before quoting the rates, tenderer can inspect the details of specifications & working condition for installation of proposed Video conferencing system at IISER Tirupati campus at his own cost after taking requisite permission from I.T. department of IISER Tirupati. The mail communication for visit appointment request may be directed to [srikanthvarma@iisertirupati.ac.in](mailto:srikanthvarma@iisertirupati.ac.in) or [aradmin@iisertirupati.ac.in](mailto:aradmin@iisertirupati.ac.in).



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**The Schedules dates for inspection are as under:**

**30-06-2017 to 18-07-2017** (between 11:00 AM to 4:00 PM - except Saturday's, Sunday's and on Public Holidays)

Bidders shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A Bidder shall be deemed to have full knowledge of the site with allied installation at IISER Tirupati, whether he inspects it or not and no extra claims due to any misunderstanding, misinterpretation of the presented facts or otherwise shall be allowed.

**3. Timeline for the Completion of Project**

The Successful bidder is required to execute the installation, commission and Acceptance Testing of the proposed video conferencing set up within **45 days** of the award of contract. The actual receipt of the Award of contract by the successful bidder or the 8<sup>th</sup> day after the award of contract is issued by IISER Tirupati, whichever is earlier will mark the commencement of the project timeline.

**3(a) Liquidated Damages:**

If the supplier fails to either deliver any or all of the goods or do not complete the installation within the period as specified in this tender, IISER Tirupati shall without any prejudice to its other remedies, deduct liquidated damage at the rate of **two per cent (2%)** of the quoted price of entire bill of material for every week or part thereof.

**4. Award of contract:**

**Award Criteria**

4.1. IISER, TIRUPATI shall award the contract to the technically qualified eligible BIDDER whose bid has been determined as the lowest evaluated commercial bid.

4.2. If more than one BIDDER happens to quote the same lowest price, IISER, TIRUPATI reserves the right to award the contract to more than one BIDDER or any BIDDER.

4.3. The successful bidder will be required to sign Comprehensive Annual Maintenance Contract Agreement for the installation done by him for three years on a non-judicial stamp paper for **Rs.500/-** after the commissioning and successful acceptance testing by IISER Tirupati within a time frame of 10 days.

**5. Security Deposit**

5.1 Successful bidder is required to deposit an irrevocable Bank Guarantee (BG) (10% of the entire cost of the project for installation of the Video conferencing equipment in totality) in favor of **Director, Indian Institute of Science Education and Research**



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**Tirupati** from **only Scheduled Banks** along with the comprehensive annual maintenance contract (as above 4.3). The Bank Guarantee shall be initially be valid up to the stipulated date of contract plus 60 days beyond that. The security deposit will be released on successful completion of the work and certification by **Registrar, IISER Tirupati**.

5.2 The IISER will forfeit the security deposit if vendor fails to execute the order as per the Work order. This Security Deposit will be refunded to the vendor only on successful installation of the entire EQUIPMENT / SYSTEM with satisfactory services rendered in the post installation comprehensive maintenance / warranty period of **three years**.

5.3 The Security Deposit should be valid for a period of comprehensive maintenance warranty for stipulated period of three years plus 60 days beyond that.

## **6. Amalgamation/Acquisition etc.**

In case of mergers, acquisition and amalgamation of Bidder Company, all contractual conditions and obligations shall automatically get transferred to acquiring company/entity and acquiring company must assume all the obligations of the contract till the end of the contract period. Submission of the bid will itself be treated as the bidder's acceptance to this condition

## **7. Bid Validity Period**

7.1 The Bidder shall submit the response to Tender Document which shall remain valid up to Ninety (90) days from the date of opening of tender ("Bid Validity"). IISER Tirupati reserves the right to reject any response to Tender Document which does not meet the aforementioned validity requirement.

7.2. IISER, TIRUPATI may ask for the BIDDER's consent to extend the period of validity. Such request and the response shall be made in writing only. The BIDDER is free not to accept such request without forfeiting the EMD. A BIDDER agreeing to the request for extension will not be permitted to modify his bid.

7.3 Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

## **8. IISER Tirupati Right to vary Quantities at the time of Award:**

8.1. The IISER Tirupati reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the tender document without any change in unit price or other terms and conditions. Further, at the discretion of the IISER Tirupati, the quantities in the contract may be enhanced by 25% within the delivery period.

8.2. Firms which have already supplied similar equipment to IISER, TIRUPATI and have not completed required installation/commissioning/after sales service/warranty



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replacements etc. such firms offers will not be considered for further evaluation and no enquiries thereafter will be entertained.

## 9. Fraud and Corruption

IISER Tirupati requires that bidders, suppliers, contractors and consultants, if any, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy,

(a) The terms set forth below are defined as follows:

- (i) “Corrupt practice” means the offering, giving, receiving, or soliciting, directly or in directly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
- (ii) “Fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
- (iii) “Collusive practice” means a scheme or arrangement between two or more bidders, designed to establish bid prices at artificial, noncompetitive levels; and
- (iv) “Coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;

(b) IISER Tirupati will reject a proposal 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.

## 10. Language of Bids

All bids and supporting documentation shall be submitted in English and should be clear, free from jargons and unambiguous words or phrases requiring interpretation.

## 11. Bid Currency

All costs and charges related to the bid shall be expressed in **Indian Rupees only. Commercial Offers in any other currencies will stand rejected.**

## 12. One Bid per Bidder

Bidder shall submit only one bid. A bidder, who submits or participates in more than one bid, will be disqualified.

## 13. Late Bids

IISER, TIRUPATI will not be responsible:

1. For delayed / late quotations submitted / sent by post / courier etc.
2. For submission / delivery of quotations at wrong places other than the Purchase section of IISER, Tirupati. Fax / E-mail / Telegraphic / Telex tenders will not be considered.



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Any bid inadvertently received by IISER, TIRUPATI after the deadline i.e. due date & time for submission of bids, will not be accepted and returned unopened to the BIDDER.

## **14. Right to accept any bid or reject all bids**

IISER Tirupati reserves the right to accept or reject any bid or to annul and reject all bids at any time prior to the award of the contract without incurring any liability to the affected bidders or any obligation to inform affected bidder, the grounds of such action. If the bidder, as individual or as a partner of partnership firm, expires after the submission of his bid but before award of services, IISER Tirupati shall deem such bid as invalid.

All direct and indirect costs associated with the preparation and submission of bid (including but not limited to clarification meetings and site visit, if any), shall be to Bidder's account and IISER Tirupati will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process

## **15. Clarification of the bid**

To assist the examination, evaluation and comparison of the tenders, IISER Tirupati may at its discretion ask the bidders for any clarifications as considered essential. All such correspondence shall be in writing and no change in price or substance of the tender shall be sought or permitted. The above clarification for submission of the details shall form part of the tender and shall be binding on the bidder.



## **CHAPTER - 3 : General Conditions of Contract**

### **1. Prices**

Bid prices should be filled in the appropriate format as mentioned in Price Schedule (Chapter 7).

**ALL THE BIDDERS SHOULD QUOTE PRICES FOR EACH AND EVERY ITEM SEPERATELY ALONG WITH THE CONSOLIDATED PRICES APPLICABLE FOR BOTH INDIGENOUS AND IMPORTED ITEMS. There should be no unpriced, arbitrary and vague entries.**

Bid prices:

1.1. The Bidder shall indicate the unit prices and total Bid Prices of the Equipment, software's and services, it proposes to provide under the execution of contract.

1.2. The prices quoted should be written both in figures and words. In case of any discrepancy, the price mentioned in words will be treated as correct and will be relied upon.

1.3. The total price quoted must be inclusive of cost of installation, commissioning and testing with services during the comprehensive maintenance / warranty period. **The prices quoted will be inclusive of all applicable taxes including sales tax, GST (if applicable). VAT, duties, levies, charges, Road Permits/Entry Tax, Service tax, Octroi etc. Applicable TDS would be deducted at source, if any, as per prevailing rates.**

1.4. The prices quoted should be valid for the period of 3 months from the date of award of the contract.

1.5. In the absence of above information a commercial bid may be considered incomplete and summarily rejected. Any decision in this regard by IISER Tirupati shall be final, conclusive and binding on the Bidder.

### **2. Performance Bank Guarantee**

The 10% Security Deposit which is mentioned above may be extended as Performance Bank Guarantee for a period of comprehensive and warranty period.

### **3. Performance and Technical Benchmarks**

The technical evaluation committee needs to be provided with an evaluation system to carry out technical review of the project proposal thus submitted; backed up with factory test report of the major equipment's supplied.

### **4. Pre-installation**

The BIDDER has to state in detail the Electrical Power/UPS requirements, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is needed to house the system and to run the tests. i.e. pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in IISER, Tirupati the BIDDER shall confirm that the pre-installation requirements are sufficient for installation of the equipment. In other words the BIDDER should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

### **5. Installation**



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5.1 BIDDER shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty and thereafter.

5.2. Installation demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.

5.3. After successful installation what will be the minimum down time of equipment/instrument in case of breakdown. If the identified firm or person fails to put the system into working condition what is the further alternative course of action suggested by you to adhere to minimum down time.

## **6. Inspection**

6.1 IISER Tirupati or its representative shall have the right to inspect or to test the items to confirm their conformity to the ordered specifications. The supplier shall provide all reasonable facilities and assistance to the inspector at no charge to IISER Tirupati. In case any inspected or tested goods fail to conform to the specifications or any deviation w.r.t. to the technical bid submitted, IISER Tirupati may reject them and supplier shall either replace the rejected goods or make all alterations necessary to meet specification required free of cost to IISER Tirupati.

6.2 In case of receipt of the material in short supply or damaged condition the supplier will have to arrange the supplies/ replacement of goods free of cost even in case of pending settlement of the insurance case.

## **7. Training**

Wherever needed, Our Technical persons should be trained by the supplier at the project site free of cost. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges of the trainer as well as participants.

## **8. Comprehensive warranty conditions (post installation and Acceptance Testing)**

8.1 The successful bidder shall have to serve Comprehensive AMC of the installation as a part of this project in totality for the period of **Three Years** (3) from the date of completion of Acceptance testing of the said installation.

8.2 The Performance guarantee or Balance payment amounting to 10% against this project for setting up of Video conferencing system will only be released upon successful completion of Comprehensive maintenance / warranty Period of **Three Years**.

8.3 All the materials stores and the equipment required for the full performance of the work under the comprehensive maintenance / warranty contract must be provided through normal channels and All instruments, Machines, Materials, Spares, consumables etc. will be brought by the successful bidder only with no additional cost to IISER Tirupati. This includes cost, insurance, freight, custom duty, Octroi, local taxes if any to be borne by the successful bidder. It shall be provided free of



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cost. The successful bidder shall supply all types of skilled & unskilled manpower for carrying out Preventive & Corrective Maintenance and operation of the system

8.4 Should the contractor desire to substitute any materials and Workmanship, during the comprehensive maintenance / warranty period he/they must first obtain the approval of IISER Authorized representative in writing for any such substitution well in advance. For materials designated in this specification indefinitely by such terms as "Equal" or "other approved" etc., specific approval of the IISER Authorized representative has to be obtained.

8.5 The comprehensive maintenance warranty on the associated software should cover providing of upgraded version/s, if any, released during the warranty period free of cost. For Hardware / equipment supplied, regular firmware upgrades as suggested by the OEM of the equipment has to done.

8.6 Service Window & Call registration: 9.00 a.m. – 6.00 p.m. (Monday to Saturday).

Response: Within 4 hours.

Resolution: Next Business Day.

Call Registration Process: Via Web, Phone & mail.

8.7 The Vendor shall attend unlimited breakdown calls on receipt of complaints. No Spares or any other Items will be supplied by IISER Tirupati.

8.8 All spares to be used shall be genuine or compatible spare parts (in that order) and the same shall be procured from the authorized dealers or Manufacturers.

8.9 Service offered shall be in accordance with the service instructions and standard practice of original manufacturer.

8.10 The Vendor shall maintain service log book and record the nature of service rendered during each trouble shoot by the service representative and the same shall be duly signed by the IISER Tirupati official.

8.11 The Vendor shall co-ordinate with OEMs for support for configuration issues, hardware replacement etc.

8.12 The Vendor shall provide support for the Videoconferencing Equipment in case they are shifted to other location.



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8.13 Penalty for breach of SLA Terms: Penalty of Rs. 2000.00 per day shall be levied if the call is not resolved within 24 hours or 1 business day.

8.14 No sub-contracting will be allowed for installation or maintaining installed system/ equipment / instrument during or after warranty period.

## 9. Commencement of Warranty Period

The warranty period of an item shall commence after receipt of the items in good working condition and from the date of its satisfactory installation/commissioning/demonstration at the project site in IISER Tirupati. The warranty period and validity of Performance Guarantee shall be extended for the period of delay in satisfactory installation and delay in warranty services.

## 10. Reasonability of Prices

Bidders are requested to quote best minimum prices applicable for us being a premiere Educational and Research Institution of national importance.

## 11. Indemnity

The vendor shall indemnify, protect and save IISER, TIRUPATI against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment's supplied by him.

## 12. Technical information confidentiality

12.1 Drawings, specifications and details shall at all times be the property of IISER Tirupati and shall be returned by the Bidder to IISER Tirupati on demand. The Bidder shall not make use of any document, drawing, specification, data or any other information connected with the Contract, for any purpose at any time, except in the implementation of the Contract.

12.2 The Bidder shall not disclose the technical information furnished or gained by the Bidder under or by virtue of or as a result of the implementation of the Contract and shall make all efforts to ensure that the technical information is kept confidential

## 13. Payment

13(a) A pre-receipted bill in triplicate in the name of **Director IISER Tirupati** duly supported by purchase order, Delivery Challan, Inspection / Acceptance Certificate after installation, commissioning and testing of the items at site should be submitted to IISER Tirupati for processing of the documents for making the payment.

13(b) Bills for payment of 90% of the quoted price shall be processed for payment by IISER Tirupati on receipt of the pre-receipted bill in triplicate after delivery and satisfactory completion of installation, commissioning, acceptance testing of the equipment and the balance 10% payment would be released after expiry of the standard comprehensive warranty period of three years.

Alternatively, if the successful bidder who submits a performance bank guarantee of the **10 %** of the project cost in favor of **Director, Indian Institute of Science Education and Research Tirupati** from any Scheduled Bank, covering the entire comprehensive AMC span of three year plus 60 days beyond that; complete payment



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will be made on completion of installation, commissioning and successful acceptance testing.

**14. Penalty for delayed Services / Late Delivery:**

14.1. As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the IISER will forfeit EMD/Security Deposit and also Late Delivery clause will be applicable /enforced.

14.2 If the supplier fails to either deliver any or all of the goods or do not complete the installation commissioning and acceptance testing within the period as specified in this tender, IISER Tirupati shall without any prejudice to its other remedies, deduct liquidated damage at the rate of **two per cent (2%)** of the quoted price of entire bill of material for every week or part thereof.

14.3. IISER, TIRUPATI reserves the right to cancel the order in case the delay is more than 5 weeks. Penalties, if any, will be deducted from the Security Deposit.

**15. Interpretation of the clauses in the Tender Document / Contract Document**

In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, Director, IISER, TIRUPATI's interpretation of the clauses shall be final and binding on all parties.

**16. Export / import license & permission and end use certificate**

It is entirely the responsibility of the bidder who is quoting for hardware items of foreign origin to obtain export-import permission/ license / authorization as required from the respective Government before arranging supply. IISER Tirupati would not accept post supply inspection by any agency / authority of any foreign country. It is therefore, necessary that the bidders offering hardware items of foreign origin shall have thorough knowledge of export regulations in vogue in those countries. The bidder shall indemnify the purchaser against any consequences in respect of any end-use declaration they / their overseas Principals may furnish to the Government / license.

**17. Risk Purchase**

In the event of any breach by the successful bidder (on whom contract is placed) of any of the terms of this contract, if in the opinion of IISER Tirupati, the performance of the successful bidder (on whom contract is placed) is found not to be satisfactory or IISER Tirupati has any reason to believe that the successful bidder (on whom contract is placed) is not carrying out the work to the best of it's advantage, IISER Tirupati shall reserve their right to terminate the contract without notice and without prejudice to it's claim against the successful bidder (on whom contract is placed) for damages and the successful bidder (on whom contract is placed) shall have no claim against IISER Tirupati for any compensation for such termination. In case the successful bidder (on whom contract is placed) fail to perform any of the works within the time provided for performance of the same or in case the successful bidder (on whom contract is placed) commit breach of any of the covenants, stipulations and agreement herein contained, and on his part to be observed and performed then and in any such case, it shall be lawful for IISER Tirupati to arrange for the procurement of the said material from alternate source by an order in writing and to put to an end to this contract and in case



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IISER Tirupati shall have incurred or sustained or been put to any loss, costs, charges or expenses by reasons of such procurement of the material from alternate source as a consequence of termination of the purchase order, it shall be lawful for IISER Tirupati to forfeit the security deposit cum performance guarantee and also to recover the costs, damages, expenses etc in and out of any money for the time being payable or owing to the successful bidder (on whom contract is placed) under or/by virtue of this contract or otherwise to pay and reimburse all such costs, damages and expenses they have sustained, incurred or been put to by any reason of the procurement of the material from alternate source having been carried out otherwise or by reason of this contract having been put an end to as aforesaid. The risk purchase clause stated above is applicable in comprehensive maintenance / warranty period also.

## **18. Jurisdiction**

The disputes, legal matters, court matters, if any, shall be subject to Tirupati Jurisdiction only.

## **19. Force Majeure**

The Supplier shall not be liable for forfeiture of its performance bank guarantee, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the IISER Tirupati either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify the IISER Tirupati in writing of such conditions and the cause thereof. Unless otherwise directed by the IISER Tirupati in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

## **20. Dispute Settlement**

IISER Tirupati and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the IISER Tirupati or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

The dispute settlement mechanism/arbitration proceedings shall be concluded as under:



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(a) In case of Dispute or difference arising between the IISER Tirupati and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director IISER Tirupati, if he is unable/ unwilling to act, to the sole arbitration of some other person appointed by his willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.

(b) In the case of a dispute between the Purchase and a Foreign supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.

The venue of the arbitration shall be the place from where the purchase order or contract is issued.

## **21. Non Transferable Bid**

Neither the contract nor any rights granted under the contract may be sold, leased /sublet, assigned, or otherwise transferred, in whole or in part, by the vendor, and any such attempted sale, lease, assignment or otherwise transfer shall be void and of no effect. The vendor shall not subcontract or permit anyone other than its personnel to perform any of the work, service or other performance required under the contract.

## **22. Canvassing**

No bidder is permitted to canvass on any matter relating to this tender. Any bidder found doing so may be disqualified and his bid may be rejected.



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## **CHAPTER - 4 : Bidder's Eligibility Criteria**

The Bidder should possess the requisite experience, resources and capabilities in providing the services necessary to meet the requirements, as described in the tender document. The Bidder should also possess the technical know-how and the financial wherewithal that would be required to complete the scope of work. The bid must be complete in all respects and should cover the entire scope of work as stipulated in the document. Bidders not meeting the Eligibility Criteria will not be considered for further evaluation.

### **Eligibility Criteria**

1 The Bidder company/company's/service provider should be registered in India. Certificate of Incorporation, Copy of PAN, Service Tax Registration (CST/LST/GST as applicable), Copies of Articles of Association & Bye laws (in case of registered firms) and certificate of registration (in case of registered co-operative societies), Partnership deed (in case of partnership firm) should be submitted.

2 The Bidder should have minimum annual turnover of Rs. 2 Crores (Two crores). The Bidder company/firm should be financially sound i.e., it must have made profits in each of last three financial years. (Copy of Audited financial statements, CA Certificate and directors' reports for 2015-16, 2014-15, 2013-14 years should be enclosed.) The Bidder should be a profit (profit after tax) making Company in any two of the last three financial years listed above.

3 The bidder must be authorized reseller / distributor as of date (valid certificate from OEM to be enclosed)

4 The bidder company should have successfully implemented 'Video Conference Solution' at least in Two (2) organizations belonging to the category of Government Departments / PSU / Government Autonomous bodies / Nationalized Banks. (Satisfactory performance certificate from these organizations along with copies of the sanction letter have to be attached).

5 The Bidder company/firm must have a Service Tax Registration Number and PAN Number. (Enclose attested copy of the relevant document).

6 The Bidder company/firm should have at least one registered branch offices(s) at any of the cities (Bangalore, Chennai, Hyderabad, Vijayawada & Tirupati) for 100% system support services.

7. The Bidder should not be currently blacklisted by any Government Institution in India or abroad.

8. The bidder firm should be an ISO 9001-2008 certified company AND the Original Equipment Manufacturer (OEM) of equipment's forming the part of the proposed system should also be an ISO 9001 Certified company.



## **CHAPTER - 5 : Conditions for the Execution of Work:**

### **Part (A)**

#### **1. General Terms and Conditions**

- 1.1 The bidder should have adequate facilities, trained manpower and staff for installation, commissioning and providing maintenance support service after the sales of the equipment's in India.
- 1.2 The Bidder will deploy their own manpower for the installation / integration of the equipment's and should not be outsourced to any third party.

#### **2. Safety code for works**

- I. There shall be maintained at readily accessible place first aid alliances including adequate supply of sterilized dressings and cotton wool.
- II. An injured person shall be taken to a public hospital without loss of time, in case where the injury necessitates hospitalization.
- III. Suitable and strong scaffolds should be provided for Workmen for all Work that cannot safely be done from ground.
- IV. No floor, roof or other part of the structure shall be so over loaded with debris or materials as to render it unsafe.
- V. Those engaged in welding Work shall be provided with welder's protective eye-sheds and gloves.
- VI. The entire contractor's staff should have its standard tools and equipment for any repair or replacement of the faulty component or device.
- VII. Wires and connectors used should be in accordance with the rated value of the component or device.
- VIII. The contractor will be responsible to provide SAFETY EQUIPMENTS/TOOLS for his/her working staff.

#### **3. Coordination for work**

- I. The contractor hereby agrees to coordinate Work in such manner and to his best efforts to prevent disruption, encumbrances or interruption in use of the property above, below and/or adjacent to the working site.
- II. Contractor shall advise IISER Tirupati through it's Engineer in case any assistance or coordination is required with regards to the building estate staff on any anticipated or actual interruption or interference in the execution of Work twenty four hours in advance of the situation or requirement and IISER Tirupati shall render prompt necessary assistance to ensure removal of the anticipated or actual interruption or interference in Work progress from any quarter.

#### **4. Representation by contractor during the execution of the work**



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- I. The contractor shall ensure representation of work on his behalf through an implementation team as his representative.
- II. Contractor shall appoint a Team Leader on his behalf. The team leader will interact with IISER Tirupati for all matters concerned with the contract.
- III. In case of any technical decision for the execution of work, the decision of IISER designated authorized representative will be final.

## **5. Contractor's employees and labour**

- I. The contractor shall comply with the provisions of all labour legislation including:
  - a) Minimum Wages Act, Rules & amendments, The Payment of Wages Act. Company's Liability Act.
  - b) Workmen Compensation Act. & Apprentices Act 1961.
  - c) Contract Labour (Regulation and Abolition) Act, 1970 and Central Rules 1971.
  - d) Any other Act or enactment relating thereto and rules framed thereunder from time to time.
- II. No Labour below the age of eighteen years and who is not an Indian national shall be employed on the Work.
- III. Any Labour supplied by the contractor to be engaged on the Work on day-work basis either wholly or partly under the order of IISER Tirupati shall be deemed to be a person employed by the contractor.
- IV. The Contractor shall fulfill all requirements of the Employee laws, as applicable, towards his employees or labours, hired for the Contract and keep all the required records ready for inspection by concerned public authorities concerned at any time as necessary. Contractor shall also ensure the compliance of any guidelines issued regarding labour welfare from time to time.
- V. Contractors Employees or Labour at site are to restrict themselves to the area in which the Work is progressing.
- VI. The site will be a strictly a no smoking zone.
- VII. The Contractor shall be fully responsible for the acts or failure to act, and omissions of the Contractor's employees, suppliers, labour and material men.
- VIII. The contractor shall indemnify IISER Tirupati against any claim of legal action arising out of the said Act due to the failure of non-compliance of the provisions of the said Act and the proven penalty or any other amount levied by the authorities, if any, shall be recoverable from the payments due to the Contractors.

## **Part (B)**

### **1. Technical Conditions**



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- I. The work is to be carried out under the supervision of IISER Tirupati representative
- II. All instruments, Machines, Materials, Spares, consumables etc. will be brought by the contractor only.
- III. The maintenance works are to be carried out as per the recommendations of the Manufacturer & Only Original Spares/ Materials/Consumables shall be used.
- IV. Transport: No separate charges will be paid for transport. It shall be provided free of cost by the contractor.
- V. Contractor shall provide suitable standby arrangement in case of failure of equipment during the covered comprehensive AMC as per the stipulated timeline in this tender document.
- VI. All spares, materials required for carrying out preventive & corrective maintenance shall be brought by the contractor.
- VII. The qualified bidder shall supply all the spares and accessories for installation & Commissioning, as may be required during erection, initial operation of the facility till successful commissioning at IISER Tirupati.

## 2. Materials and Samples

I. All the works specified and provided for in the specifications shall be executed with materials of the best and approved quality contained in and as represented by ISI Specifications and as represented by the drawings or according to such other additional particulars, and instructions as may from time to time be given by IISER Tirupati during the execution of the work, and to the entire satisfaction. The material should be procured from OEM authorized firm only with consignee inspection.

II. All the materials (except where otherwise described) stores and the equipment required for the full performance of the work under the contract must be provided through normal channels and must include charge for import duties, sales tax, Octroi and other charges as applicable. IISER Tirupati is not liable to pay any additionally apart from the contract.

III. The Contractor shall strictly adhere to the manufacturer's recommendations and instructions for storing, installing, erecting or fixing all products, materials and equipment. On completion of Work or an installation, the manufacturer's original manuals, guarantees and warranties properly filled-in with requisite details including establishment of the correct ownership shall be delivered to IISER Tirupati together with the submission of the final bill copy under a written receipt.

## 3. Bill of Materials and Software License

3.1 The successful bidder shall furnish the bill of material of all procured hardware items as a part of the proposed installation along with the license for the Software Application / Tools only in the name of IISER Tirupati. All relevant documents for the same is required to be handed over to IISER Tirupati during the Acceptance



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Testing of the system thus deployed along with the media of installable software, as selected to bid, including the preinstalled softwares with licenses.

- 3.2 The equipment / item / software to be supplied should be supported by a Service / Support centre manned by the technical service / support engineers authorized by OEM. The successful bidder will have to arrange / provide for all the testing equipment & tools required for successful installation, testing & acceptance, maintenance etc.
- 3.3 The successful bidder shall also provide the necessary details of the installed video conferencing equipment setup like schematic drawings, wiring, cabling and connection details, details of configuration and programming done in the detailed 'Customer Customization Document' covering every aspect of the project along with all the credentials for accessing the system (including administrative user) upon the successful execution of the project.

## 4. Structural Alteration to IISER Tirupati Buildings

- (i) No structural member in the building shall be damaged/ altered, without prior approval from the competent authority through the Engineer-In-Charge of IISER Tirupati.
- (ii) Structural provisions like openings, cutouts, if any, provided for the work, shall be used. Where these required modifications or fresh provisions are required to be made, such contingent works shall be carried out by the contractor at his cost. This will include but not limited to the cutting of wall acoustics and false ceiling if required.
- (iii) All such openings in floors provisioned shall be closed by the contractor after installing the cables/conduits/rising mains etc. as the case may be, by any suitable means as approved by IISER Tirupati representative without any extra payment.
- (iv) Any alterations required in connection with the electrical works shall be provided and filled by the contractor at his own cost to the original architectural finish of the buildings.
- (v) On Completion of the executed work the site's architectural finish and aesthetics should be retained with exhibition of the highest degree of workmanship standards.

## 5. Exemption from Liability

The contractor is exempted from liability only in case the equipment's are damaged physically out of the act of abnormal usage, vandalization or abuse by any IISER Tirupati staff. However, the contractor is held absolutely liable for the damage to the equipment's arising out of the activity of the contractor through it's authorized representatives or otherwise.

## Chapter – 6: Schedule of requirements, specifications and allied technical details

### Scope of Work:

1. Supply, Installation, testing, commissioning of video conferencing system, a complete set as per manufacturer specifications & directions of Engineer in charge strictly adhering to all the technical specifications detailed in the this document.

#### **Codec Specifications:**

S.No	Specification	Description of specification Parameters
1	Package	Full HD 1080p camera, codec ( <b>capability to directly integrate minimum 2 such cameras</b> ) with necessary cables & connectors, mount kit, remote control., additional expandable mics – 2 nos. and power supply
2	Video Standards and Resolutions	It should support H.323, SIP standards for communications. It should support H.261, H.263, H.264 AVC/ SVC, H.264 High Profile / H.265. It should support 1080p 60 fps, 1080p 30 fps, 720p 60 fps and 720p 30fps
3	Content Standards and Resolutions	It should support content sharing using standard based H.239 and BFCP over SIP. It should support content sharing at minimum resolution 1080p @ 15fps. It should transmit & receive both people and content simultaneously to the far end location. The camera feed served to the far end should not be less than 1080p @ 30fps.
4	Audio Standards and Features	It should support G.711, G.728, G.729A, G.722, G.722.1, AAC-LD or better. It should support 20kHz bandwidth with crystal clear audio and stereo sound. Automatic Gain Control and Automatic Noise Suppression. Keyboard noise reduction and instant adaptation echo cancellation
5	Video and Audio Inputs	Minimum 1 x HDMI input for connecting PC/Laptop to share HD content; 1 x VGA /DVI input for connecting PC/Laptop to share content; 2 x Microphone Input; 1 x Line-level stereo in (RCA)/ 3.5mm stereo line-in / Euroblock connectors; Echo Cancellation for every audio input must be available either supported by codec or otherwise.

6	Video and Audio Outputs	1 x 3.5 mm stereo line-out/ Line-level stereo out (RCA); /EuroBlock / minimum 2 x HDMI / DVI output for connecting Full High Definition display video monitors; It should be possible to display the main video on one HD screen / Projector and the presentation/dual video on the other HD screen(s) with PIP support (including the Main 85" Display)
7	Other Interfaces	2 x 100/1000 LAN port; 1 x USB 3.0 and USB 2.0 for software upgrade and connecting external devices; 1 x RS-232 DIN 8-pin
8	Camera	Total Minimum 2 Cameras directly coupled to the codec. Each should support 1080p 60fps with minimum 10x optical zoom and minimum 60° field of view. It should support minimum PAN Range of +/-100°, and Tilt of +/- 20°. Automatic or manual focus/brightness/whitebalance; Focus distance 0.3m-infinity; Far-end camera control with other codecs; <b>The Camera and codec should be from the same manufacturer.</b> Total minimum 2 (Two) closely integrated with the Codec needs to be installed - One at the back side covering the dias of the proposed room and one placed near the central projector to cover the audience (Refer to the room drawing in <b>Annexure-I</b> ).
9	Camera Position Preset	Should be able to pre-set multiple locations, including pan, tilt, zoom, even when the camera is reinitialized, the preset data should be saved automatically
10	Camera Motion Sensing and Tracking	All the two cameras (minimum) coupled to the codec should be capable of enabling close-up views of the speaker in a video conference (on dias) / Audience, by highlighting, zooming in, and framing active the speaker (with the predefined zoom).
10	Network Features	H.323 and SIP bandwidth up to 3 Mbps; IPv4 and IPv6 support from day one; Auto Gatekeeper Discovery; IP Precedence; H.323 based Packet Lost Recovery; Packet Loss Based Down speeding; Should sustain at least 15% Packet Loss; Support for NAT and firewall traversal; IP adaptive bandwidth management (including flow control).
11	Security	Authenticated access to admin menus, web interfaces; Local account password policy configuration; disable web based remote access; change default port 80 for web access.



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12	Compatibility & Interoperability	The proposed Video conferencing set up should be compatible with the existing video conferencing system installed at IISER Tirupati namely Polycom HDX 7000 / HDX 8000. The Codec should be interoperable with endpoints of different make especially the legacy systems.
13	Other Desirable features	Noise Reduction, Automatic Gain control, Acoustic Echo Canceller, Active Lip synchronization
14	Multiparty Conferencing	The endpoint support for minimum inbuilt 1+3 Multisite with min w576p resolution (Excluding the video recording device if counted as a default party to the conference)
15	Encryption of video call	Media Encryption (H.323, SIP): AES-128, AES-256; H224/H.281, H.323, H.225, H.245, H.241, H.239, H.243, H.460; Ability to manually turn encryption On or OFF should be there; Automatic encryption key generation and exchange
16	SIP Features	The endpoints must support SIP in addition to H323 protocol. Calls can be made on SIP or H323 without having to restart or reconfigure the endpoint; The endpoint must register with any standard SIP server; Must support data sharing capability in SIP calls for dual stream transmit and receive; should support TLS for SIP.
17	Recording	The Codec shall support a direct link to an external recording server.
18	Integration with 85" Wall Video Monitor <b>(Provided by IISER Tirupati)</b>	The Codec shall be directly integrated with the 85" wall display monitor for self / remote view duly supported with PIP functionality.

- Suitable rack is to be supplied and installed bearing height not more than 18 U with rack with Locking, reversible front/rear doors and locking, removable side panels, Casters - leveling feet and cooling fans and necessary electrical fittings) to accommodate the proposed Video conferencing and allied setup. The successful bidder is encouraged to present a compact design of the system.
- Installation and integration of 85" (Model No: LED-85XT910/C1Z1) Professional Display (Vu) on the wall opposite to the green board in the designated room **provided by IISER Tirupati**. This display has to be integrated with the proposed



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video conferencing set up as per the manufacturer specifications & directions of Engineer in charge.

- Supply and Installation of Two Display monitors of minimum diagonal size 55” strictly as per the specifications below to be integrated with the Video conferencing system (with wall mounting adjustable brackets). These displays are to be mounted on the lateral sides of the green board in the proposed room to serve the entire audience in the room.

<b>Technical Specifications of ‘LED Displays 2Nos’</b>		
Total Display Panels 2 Nos.	Functionality / Item description	Minimum expected specification Panel (2 Units)
	Diagonal Size	Minimum 55" Diagonal size with Resolution 1920*1080 (native resolution ) or better with aspect ratio 16:9
	Available Space behind the screen	<=1.5'
	Brightness	500 cd/m <sup>2</sup> or better with antiglare screen
	Native Contrast Ratio (Direct Viewing Angle)	>=1500:1
	INPUT	DVI-D, VGA, HDMI.
	EXTERNAL CONTROL	Wireless Remote.
	Audio	Not required (May be provided optionally with possibility to connect external speakers)
	IP based control and operation	If the Displays are provided with LAN ports they should be integrated with the solution. If a command and control software is required to exploit the LAN interface features they should be provided.
	Response Time	>= 8 milli seconds
Viewing Angle(H/V)	170/170 degrees or better	

Operation	Operation	Operation 16 Hours or Higher/ day running. The Display should have minimum life span of 50,000 Hrs.
	Lighting	normal room ambient lighting
Stand	Wall Mount	Standard Mounting Kit for each display to affix it to the wall. If required substituted by swivel mounting kit(s).
Special		Non reflecting, Flicker free no permanent Image retention/burn-in due to prolonged display of the same picture at the same place.
		The brightness in the centre of the screen and the edges of the screen is uniform and there is no perceivable difference in the quality of the picture on the centre and on the edges of the screen.
Warranty	Installation	With required Cables, switchers and integration with the Proposed Video Conferencing Setup.
Standards & Certification	Comprehensive warranty clause	Minimum 3 years comprehensive in site warranty (same as of Video Conferencing setup)
	The display should have the following minimum standards certification	a) RoHS compliant – For environment
		b) UL/IEC – For safety
		c) FCC – For radiations regulation
	d)Energy Star 4.0 + Certified.	

5. **Video Switching features:** All the three set of displays two 55 inch displays and one 85” Wall installed should be able to swap contents/ mirror contents amongst each other seamlessly with PIP display feature. In presentation receiving mode the system should be capable of presenting the remote view of the presenter on the projector screen while the shared content has to be

displayed on the two 55” Display Monitors with the capabilities to swap the view displayed mutually. The main purpose however of the 85” wall mounted display is to present the remote audience view in the multiparty conferencing mode to the speaker on the stage. It is reiterated that the endpoint codec should support for inbuilt 1+3 Multisite conferencing feature.

6. Supply, installation, commissioning & integration of Ultra short throw projector with interactive screen having following minimum specifications along with necessary cables, connectors, fixtures and accessories. The interactive projector and screen should be configured to serve local presentation needs, to provide video Conferencing feed and to serve normal usage of the board for regular classroom teaching.

### A. Ultra Short Throw (INTERACTIVE PROJECTOR ) Projector Specifications

Specifications	Description / Standards
Projection System	DLP
Native Resolution	1080p (1920x1080) or better
Brightness	>= 3000 lumens
Native Aspect Ratio	16:9
Contrast Ratio	8,000:1 or better
Clear Image Size/Max Image size	>= 108 inch projection screen
Throw Ratio	0.33(+/- 0.05):1 or better
Keystone Adjustment	Vertical/Horizontal +/- 5 degrees or better
Resolution Support	VGA(640 x 480) to UXGA(1600 x 1200)
Lamp(Normal)	>= 2000 Hours
Inputs	HDMI / DVI - 2 Nos
Synchronization	Auto image synchronization, Position adjustment.
Controlling	Full Function remote control & capable of control with hard wired command control system
Warranty	3 Year comprehensive only excluding Lamp
Software	Capable to communicate with interactive board, computer & Projector. It should be able to play ppt, Videos and lectures prepared by teacher.
Stand / Fixture	Wall mount / Ceiling mount

### B. Interactive Screen Specifications

Specifications	Description / Standards
Size (Active Size )	108 (+/- 3) inches
Finish	White Matt finish
Writing capability	Should be able to facilitate writing with marker pen.



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Board surface	Scratch resistant, Solid surface ; maintenance free, Compatible with ink marker, any object touch
Writing Tools	Pen/ stylus/ finger
Operating system compatibility	Compatible with Windows 7 or higher operating system and compatibility with Linux Operating System.
Annotation software	Annotation software shall include features like draw, pens, annotate, erase, color, shapes, sizes, text, edit, fonts, stamp, move, capture picture, video, save, rotate, undo, image gallery, print, floating key-board and background etc.

7. One single stage mounted wooden podium fixed with touch panel to control and operate the set up to be provided. There should be sufficient space to place the laptop for content sharing on the same. The design of the podium should be done with adequate consultation of Engineer in charge.
8. The video conferencing system shall have the ability to share presentation data from applications such as but not limited to Microsoft PowerPoint, Excel, Word and drawings on digital whiteboard in real time to local and remote site(s).
9. There shall be two additional Mice microphone placed on both the side of the green board on the designated room to cover the voice of speaker which in turn will be integrated with the video conferencing set up.
10. Sufficient number of ceiling suspended Omni directional / arrayed microphones to be installed to cover the speaker on the stage and audiences seated in the room. There should be **zoning arrangement** wherein the microphones covering the audience and speaker / presenter land into different zones with possibility to switch on / off a particular zone selectively.
11. There shall be total 4 wireless microphones (in addition to the mice microphones and Omni directional ceiling suspended microphones) supplied and installed with this setup. Out of these 4; two each will be wireless collar microphones and handheld microphones. These microphones should be capable to serve the video conferencing and local presentation mode as well. The microphones should satisfy the following (at bare minimum):

Sr. No.	Specification for Microphone - Wireless wearable (lapel) and wireless handheld. Total 4 Nos. ( 2 Wireless wearable + 2 wireless handheld)
1	Mute Button for muting and (or) pairing
2	LED Display for muting and pairing
3	Audio Out port– 2.5 mm / 3.5 mm
4	Audio bandwidth : 50 - 16000Hz
5	AA or AAA Type of Normal Battery Powered microphones
6	Encryption: 56-bit Encryption or better
7	RF shielding feature to free from cell phones Interference, FM Radio/ police communication and any third party RF sources.
8	select mix and match feature for microphones with wireless receivers installed
9	Additional dust protection covers to retain the microphone sensitivity for long.

12. An audio system with reasonable configuration having complete radio frequency immunity against cell phones Interference, FM Radio/ police communication to be supplied and installed coupled with the video conferencing system.

The audio should be served with 2 way Active speakers (4 Nos.) with the following minimum specifications

- a. RMS Power Output  $\geq$  30 Watts
- b. Frequency Response 60 Hz to 16KHz or better
- c. Enclosure: Powder Coated Perforated grill coverage to the speaker front.
- d. Stands: Powder coated metallic stand and fixture for wall mount.
- e. Beam Steering audio performance for least interference with the ceiling microphones.
- f. S/N ratio equal to or greater than 90 dB

There should be a possibility to keep the audio system functional even in case the video conferencing facility is not used (in local presentation mode with projector - wherein the local audio from a laptop or similar system is to be amplified and served along with wireless microphones). **The Audio system should be of reputable international brands only.**

13. **Local presentation mode:** The designed set up should be capable of working in local presentation mode, without Video conferencing. It should facilitate HDMI /



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VGA input with full EDID functionality along with a 3.5 mm audio input jack to connect the audio playback devices. The HDMI / VGA visual content should be controllably fed to the projector and 85” wall display whereas the audio content should invariably be amplified and served by the 2way active speakers. The Handheld and Lapel microphones (2+2) should be available in this mode. All these features should be controllable from Touch Panel.

14. The installation should be equipped with wireless as well as wired content sharing feature with a laptop in video conferencing as well as local presentation mode. The wireless presenter / Content sharing device should be a **plug and play device** compatible with Operating system Windows 7 and higher, Mac OS X version 10.7 and higher, Android 4.1 or higher.
15. The Touch Panel with minimum 10 inch diagonal measurement for controlling the setup. It should have the controls listed in the specification below:

Mode of Operation	S. No.	Specifications
Video Conferencing	1	Complete operation of VC and allied installed equipment's.
	2	Volume control of the local audio setup with possibility to control the audio signal gain of the shared content (with Mute and Unmute feature)
	3	Near and far end camera control.
	4	Possibility to mute / unmute any to all the microphones installed in the set up.
	5	Powering on / off of the complete set up.
	6	Possibility to switch displays and arrange the display content in PIP mode if required.
	7	Complete functionality as offered by the Remote control of Video conferencing codec system
	8	The dialing of Video Conferencing destination should be supported through this touch panel.
	9	Interactive Presentation feed should be given to VC.
Local Presentation without Video conferencing	1	Should be able to switch between HDMI / VGA input.
	2	Audio Volume control (with Mute and Unmute feature)
	3	Projector and screen control.
	4	Interactive Presentation mode.



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16. Total minimum 2 Nos of Cameras are required to be installed in the proposed room. One of them to be installed near the green board (to cover the audience) and one to the opposite side wall (covering the speaker on the stage) with the specification as covered in the point no.1 above in this segment.
17. Supply, Installation, testing, commissioning of suitable Audio Digital Signal Processor for meeting the requirement of echo cancellation and audio requirements along with Suitable Command Control Processor system to facilitate the Touch Panel aided control of the installation. Suitable Video Switcher, if required as a part of fulfillment of the mentioned features should be supplied and installed by the successful bidder strictly adhering to the manufacturer's specifications and installation recommendations. **The Audio Digital Signal Processor, Command Control Processor system and Video Switcher system should be of reputable international brands only with more than 7 years of existence in Indian Market.**
18. The successful bidder is required to serve the Comprehensive warranty of the entire installation for the period of three years from the date of successful acceptance testing done and certified by IISER Tirupati.
19. The site is currently equipped with a working 85" Profession Display monitor from "VU". No other Material / equipment or spare parts will be provided by IISER Tirupati. Fixing of this 85" VU professional display monitor on the wall is included in the scope of the work (A customized fabricated wall bracket will be required as the center of the wall bears a protruding structural concrete pillar)
20. The Technical Specification of the conference recording system which is to a part of proposed installation is as below:

S. No.	Technical Specification
1	The recording system must be appliance based purpose built hardware and should be rack mountable. It can also be a feature embedded into the Video conferencing codec.
2	User must be able to create HD video recordings (with data sharing) while in a video call.
3	This recorder may work as a default party to the Video Conferencing system proposed.
4	The Device should be browser configurable and operable; Authenticated access to admin menus, web interfaces; Local account password policy configuration.



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5	Admin must be able to monitor the ongoing video recordings on the streaming/recording solution and be able to terminate it. The Admin should be able to connect an external storage device over USB and copy the recorded video onto it. It should support USB 3.0 Interface
6	The user must be able to record a video conference at the touch of a button on the codec's remote control and (or) control touch panel and (or) with web interface provided for administering the recorder without any administrator intervention
7	The hardware appliance supplied must support over 20 hours of HD recording at 1080p in any of the specified formats i.e., avi / mp4/ mov.
8	Interfaces 1x 100/1000 LAN port
9	The Recording system should bear at least 1 HDMI input for offline recording the feed.

21. The Camera tracking feature: A single camera mounted on the backside wall should be able to capture the entire green board (16ft. x 5 ft.) on the dias with the presenter. If required the camera view can be spited into two frames wherein the camera can capture any one frame at a time depending upon the position of the speaker with predefined zoom else active speaker tracking and framing feature. The camera should switch between the frames automatically as per the position of presenter. The main purpose of this camera is to present the board view to the far end with minutest possible details of the handwritten content. The camera on the front side shall simply zoom in and capture the audience. These two cameras is primarily needed when the codec is the receiving party and the camera mounted on the backside wall becomes redundant.
22. Networking switch (only Huawei make- PoE or Non- PoE as per design requirement) to aggregate all networked components to be installed as a part of the project.



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

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## Chapter – 7: Price Schedule

Name of the Bidder \_\_\_\_\_ Tender No. \_\_\_\_\_

1	2	3	4	5	6	7	8	9	10	11	12
Sl. No.	Item Description	Country of Origin	Unit	Qty	Ex-Works. Ex-Warehouse, Ex-show room off the shelf price (inclusive of all taxes already paid)	Total price	VAT & other taxes like excise duty payable, if contract is awarded	Packing & forwarding up to station of dispatch, if any	Charges of inland transportation, insurance up to the site.	Installation, Commissioning & training charges, if any.	Gross Total(FOR )
1											
2											
3											

Total Bid price in INR: \_\_\_\_\_ In words \_\_\_\_\_

**Signature of Bidder:**

**Name:**

Note:



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The cost of optional items shall be indicated separately.

The bidder may add rows to include the prices of all components & warranties, installation etc. whichever applicable.

(a) Cost of spares

(b) Warranty if being charged include in BoQ



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Annexure-'A'

## FORMAT/QUESTIONNAIRE FOR COMPLIANCE OF TERMS AND CONDITIONS

Tender No.: \_\_\_\_\_

Due Date \_\_\_\_\_

NOTE:

1. Quotation will not be considered without submission of this format.
2. Kindly see the relevant terms & conditions of the tender document in each question before replying to the questions mentioned in Col. 2 below.

<b>1. Format of Compliance statements for General Terms and Conditions</b>			
<b>S.No.</b>	<b>Terms &amp; condition of Tender document</b>	<b>Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')</b>	<b>Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for</b>
1	The Bidder company/firm should have at least one registered branch offices(s) at Hyderabad/ Chennai/Bangalore/Vijayawada/ Tirupati for 100% system support services		
2	Whether techno-commercial Bid contains EMD, technical literature/leaflets, detailed specifications & commercial terms & conditions etc. as applicable.		
3	a) Whether the required Scanned copy of Tender Fee & EMD is being submitted with the quotation		



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	b) Please specify the form of EMD whether in the form of DD/bank guarantee or TDR/FDR (Please mention No., date & amount of EMD documents.) or Bid Security Format at <b>Annexure –‘C’</b>		
	c) Pre-receipted bill for refund of EMD is enclosed (for bank drafts only)		
4	Whether specific amounts or percentage of expenses like packing, forwarding, handling, freight, insurance, documentation etc. have been mentioned in commercial bid separately in clear terms.		
5	Whether prevailing rates of sales tax, excise duty & other govt. levies (GST) (for indigenous supplies) have been given in quotation		
6	Have you mentioned the validity period of the quotation as per our requirements		
7	Whether copies of last one supply orders of the same item from other customers have been attached with the quotation in support of details furnished in <b>Annexure D.</b>		
8	Whether the Make/Brand, Model number and name of manufacturer has been mentioned in the quotation and Printed technical literature/ leaflets of quoted items have been submitted		



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9	Whether compliance statement of Technical specifications has been attached with the quotation.		
10	Do you agree to the submission of Performance Bank Guarantee and have you mentioned in your quotation about this.		
11	Do you agree about the date of commencement of warranty period & its extension is necessary.		
12	Have you mentioned the guarantee/warranty period in your quotation and do you agree with comprehensive maintenance / warranty clause with the performance and penalty terms		
13	Do you agree with the clause of physical inspection by IISER Tirupati authorized representative?		
14	Whether list of specific user's for the same item & model as quoted along-with performance certificates from the users is submitted with offer?		
15	Whether you agree to the penalty clause for late delivery & installation?		
16	Whether training to our technical person will be given free of cost?		
17	Whether all the pages have been page numbered?		
18	Whether quotation has been duly signed with designation & name of signatory mentioned?		



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19	Whether supplier agrees to serve comprehensive maintenance / warranty of the system thus installed for the period of Three years from the date of successful commissioning and Acceptance Testing without additional cost to IISER Tirupati. (Comprehensive maintenance warranty should be included in the commercial bid)?		
20	Is detailed Solution Document of the proposed setup is submitted with the Technical Bid along with technical leaflets and brochures?		



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## 2. Format of Technical Specification Compliance statements:

S.No.	Terms & condition of Tender document;	Whether acceptable (only say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with unambiguous reasons for noncompliance or alternative condition quoted for	Whether the compliance / deviation is clearly mentioned in detailed Solution Document / technical leaflet/ literature
<b>A. Specification of Codec</b>				
1	Full HD 1080p camera, codec (capability to directly integrate 2 such cameras) with remote additional Expandable Mics and Web based access.			
2	Support to H.323, SIP standards for communications. It should support H.261, H.263, H.264 AVC/ SVC, H.264 High Profile / H.265. It should support 1080p 30 fps, 720p 60 fps and 720p 30fps.			
3	Support to transmit & receive both people and content simultaneously to the far end location. Camera Stream - 1080p @30 fps and content - 1080p @15 fps			



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4	Support to the content sharing using standard based H.239 and BFCP over SIP. It should support content resolution at HD 1080p @ minimum 15fps.			
5	Audio :support G.711, G.728, G.729A, G.722, G.722.1, AAC-LD or better.			
6	Minimum Inputs Ports: 1 x HDMI input for connecting PC/Laptop to share HD content; 1 x VGA / DVI input for connecting PC/Laptop to share content; 2 x Microphone Input; 1 x Line-level stereo in (RCA)/ 3.5mm stereo line-in / Euroblock connectors. Echo Cancellation for every audio input must be available either supported by codec or otherwise			
7	Minimum Output Ports: 1 x 3.5 mm stereo line-out / Line-level stereo out (RCA) / Euroblock connectors; minimum 2 x HDMI / DVI output for connecting Full High Definition display video monitors.			
8	Other Interfaces (Minimum): 2 x 100/1000 LAN port; 1 x USB 3.0 / USB 2.0 for software upgrade and connecting external devices; 1 x RS-232 mini-DIN 8-pin.			



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9	Supplied Codec Camera: <b>Total minimum 2 Cameras</b> directly coupled to the codec. Each should support 1080p 60fps with minimum 10x optical zoom and minimum 60° field of view. It should support minimum PAN Range of +/-100°, and Tilt of +/-20°. Automatic or manual focus/brightness/whitebalance; Focus distance 0.3m–infinity; Far-end camera control.			
10	Whether the Camera and codec is from the same manufacturer.			
11	Camera Preset: Capability to pre-set multiple locations, including pan, tilt, zoom, even when the camera shut - down, the preset data should be saved automatically.			
12	Codec Camera Motion Sensing and Tracking feature.			
13	Network Features: H.323 and SIP bandwidth up to 3 Mbps; IPv4 and IPv6 support from day one; Auto Gatekeeper Discovery; IP Precedence; H.323 based Packet Lost Recovery; Packet Loss Based Down speeding.			
14	Support for NAT and firewall traversal.			



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15	Authenticated access to admin menus, web interfaces; Local account password policy configuration; disable web based remote access; change default port 80 for web access.			
16	Compatibility & Interoperability: Interoperability with Desktop VC Tandberg 1700 MXP, Tandberg MXP 6000, Polycom HDX 7000 and Cisco 4515 MCU and other legacy Video Conferencing Codecs.			
17	Noise Reduction, Automatic Gain control, Acoustic Echo Canceller, Active Lip synchronization.			
18	Codec Endpoint supporting minimum inbuilt 1+3 Multisite with min w576p resolution.			
19	Encryption: Media Encryption (H.323, SIP): AES-128 (minumum) H224/H.281, H.323, H.225, H.245, H.241, H.239, H.243, H.460; Ability to manually turn encryption On or OFF should be there; Automatic encryption key generation and exchange			
20	The enpoint codec support to SIP in addition to H323 protocol. TLS support for SIP			



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21	Possibility to switch displays and arrange the display content in PIP mode if required.			
22	Near and far end camera control with both - remote and touch panel Control.			
<b>B. Specification of LED Displays 2 Nos</b>				
1	55" ; Resolution 1920*1080 with Aspect Ratio 16:9			
2	Brightness $\geq 500$ cd/m <sup>2</sup> or better with antiglare screen			
3	Contrast Ratio $\geq 1500:1$			
4	INPUT: DVI-D , HDMI, VGA			
5	Remote: Wireless			
6	Viewing Angle(H/V) 170/170 degrees or better			
7	Response Time $\geq 8$ milli seconds			
8	Wall Mount / Swivel Mounting Kit.			
9	Display Features: Non reflecting, Flicker free no permanent Image retention/burn-in due to prolonged display of the same picture at the same place.			
10	RoHS compliant – For environment; UL/IEC – For safety; FCC – For radiations regulation; Energy Star 4.0 +			



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	Certified.			
<b>C. Specifications for Ultra Shot Throw (Interactive Projector)</b>				
	Projection System :DLP			
	Resolution 1920 *1080 with Aspect Ratio 16:9			
	Brightness>=3000 Lumens			
	Contrast Ratio 8,000:1 or better			
	Image Size supporting 108 Inch projection screen			
	Minimum Throw Ratio 0.33(+/- 0.05):1			
	Inputs: HDMI/DVI -2 Nos			
	Auto Image Synchronisation, Position Adjustment			
	Full Function Remote Control			
	Should be capable to communicate with interactive Board, Computer.			



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	Should be able to play Microsoft Office Applications and Videos			
	Wall Mount / Ceiling Mount			
<b>D. Specifications for Interactive screen</b>				
	Active Size of 108 (+/- 3 Inches)			
	White Matt Finish			
	Should be able to facilitate writing with marker pen			
	Scratch Resistant Solid Surface			
	Writing Styles pen/Stylus/ Finger			
	Compatible with Windows OS(7/8/10) and Linux OS(all flavours)			
	Annotation software is included			
<b>E. Specification for Microphone - Wireless wearable (lapel) and wireless handheld. Total 4 Nos. ( 2 Wireless wearable + 2 wireless handheld)</b>				
1	Mute Button for muting and (or) pairing.			
2	LED Display for muting and pairing.			
3	Audio Out port– 2.5 mm / 3.5 mm.			



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4	Audio bandwidth : 50 - 16000Hz.			
5	AA or AAA Type of Normal Battery Powered microphones sets.			
6	Encryption: 128-bit Encryption or better.			
7	RF shielding feature to free from cell phones Interference, FM Radio/ police communication and any third party RF sources. Preferable operation on SHF Band.			
8	Select mix and match feature for microphones with wireless receivers installed.			
9	Additional dust protection covers to retain the microphone sensitivity for long.			
<b>F. Operation of Proposed Set Up in Local Presentation mode</b>				
1	The designed set up is capable of working in local presentation mode, without Video conferencing. It facilitates HDMI / VGA input with full EDID functionality along with a 3.5 mm audio input jack to connect the audio playback devices.			



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2	Provision for wireless presenter / Content sharing device which should be a plug and play device compatible with Operating system Windows 7 and higher, Mac OS X version 10.7 and higher, Andriod 4.1 or higher.			
3	The supplier to Provide One single stage mounted wooden podium for housing control touch panel and content sharing via Laptop			
4	Provision to Provide Interactive Presentation made in house.			
5	The Audio System is invoked to be used in local presentation mode including wireless handhled (2 Nos) and Handheld Lapel (2 Nos.) microphones and 3.5 mm stereo jack input			
6	Capability to switch between HDMI / VGA input.			
7	Audio Volume control (with Mute and Unmute feature)			
<b>G. Conferencing Recording System Specification</b>				
1	The recording system is appliance based purpose built hardware and should be rack mountable capable of Recording 20 Hrs. of HD recording with 1080p			



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2	Recording Software with features for recording live ongoing conference.			
3	The Device should be browser configurable and operable; Authenticated access to admin menus, web interfaces; Local account password policy configuration; Admin must be able to monitor ongoing video recording on the recording solution and be able to terminate it if required. The Admin should be able to connect an external storage device over USB and copy the recorded video unto it. It should support USB 3.0 Interface.			
4	The user must be able to record a video conference at a touch of a button on codec's remote control and (or) control touch panel and (or) with web interface.			

## **H. Installation features and Specification**

1	The Audio Digital Signal Processor, Command Control Processor system, Entire Audio system and Video Switcher system forming the part of the proposed installation is from reputable international brands only with more than 7 years of existence in Indian Market and having service centres in most of the major cities in			
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	the country (India).			
2	Sufficient number of Ceiling suspended omni directional / arrayed microphones to be installed to cover the speaker on the stage and audiences seated in the room. There should be <b>zoning arrangement</b> wherein the microphones covering the audience and speaker / presenter land into different zones with possibility to switch on / off a particular zone selectively.			
3	2 Nos of Mice Microphones included in set up.			
4	All the Proposed cables / connectors and accessories in the proposed setup is from reputable international brands only			
5	The Alterations to the proposed room aesthtics including but not limited to the cutting of wall acoustics and false ceiling if required will be done by the supplier with no additional cost. The supplier agrees that on completion of the executed work the site's architectural finish and aesthetics should be retained with exhibition of the highest degree of workmanship standards.			



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6	Touch Panel for Controlling the setup is having minimum 10 inch diagonal measurement.			
7	Possibility to mute / unmute any to all the microphones installed in the set up.			
8	Compliance to the Camera tracking feature as described in point no. 20 of chapter 6 : Schedule of requirements			
9.	Single stage podium fixed with touch panel and sufficient space for laptop presentation			



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Annexure-B

## **UNDERTAKING**

(To be printed on the official Letter Head of the company with tender reference number)

Sir,

I/We hereby declare that:

1. I/We am/are the manufacturers/authorized agents/distributors of Supply of Based Video conferencing equipments/system.
2. I/We hereby offer to supply the Videoconferencing at the prices and rates mentioned in the price Bid.
3. I/We agree to abide by my/our offer for a period of 90 days from the date of opening of the tender.
4. I/We agree for the all clauses and payment terms and conditions of this tender enquiry.
5. I/We have necessary infrastructure for the maintenance of the offered items against this tender and will provide accessories/spares as and when necessary even after the expiry of Comprehensive maintenance / warranty period.
6. I/We undertake to deliver/supply of necessary equipments for proposed Video conferencing system and will integrate it with existing IISER Tirupati Network at it's premises.
7. I/We hereby confirm that the products / equipment forming the part of the proposed installation quoted will have full period of Life at the time of delivery and we will support the same for at least **5 years** from the date of installation
8. I/We have carefully read and understood all the terms and conditions of the tender and technical specifications and shall abide by them.
9. I/We hereby confirm that our firm has not been blacklisted by Organization/ Government / Semi Government / Quasi Govt. Departments in India as on date of submission of bid.
10. I/we undertake to serve **Comprehensive maintenance /warranty as mentioned in tender conditions for three (3) years** from the date of satisfactory installation and acceptance. I/We also undertake that I/We will maintain the installation during this period and replace the defected parts free of cost, if necessary.
11. I/ We hereby declare that we are committed to elimination of child labour in all its forms. Neither we nor any of our nominated sub-contractor(s) are engaging Child Labour in any of our work(s) in terms of the provisions of The Child Labour (Prohibition and Regulation) Act, 1986 and other applicable laws.

**(Signature with Seal of Authorized Signatory)**

**DATE:**

**NAME:**

**DESIGNATION:**



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Annexure-C

## **BID SECURITY FORM**

Whereas ..... (Hereinafter called “the tenderer”) has submitted their offer dated .....for the supply of ..... (Hereinafter called “the tender”) against the purchaser’s tender enquiry No. \_\_\_\_\_

KNOW ALL MEN by these presents that WE .....  
..... (Name of bank) of ..... (Name of country), having our registered office at .....  
..... (Address of bank) (Hereinafter called the “Bank”), are bound unto ..... (Name of purchaser) (Hereinafter called “the purchaser”) in the sum of ..... for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ..... day of..... 20.....

THE CONDITIONS OF THESE OBLIGATIONS ARE:

1. If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
2. If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity.
3. If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
4. Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchase will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

The guarantee shall remain in force up to and including forty five (45) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

.....  
(Signature of the authorized officer of the Bank)

Name and Designation of the Officer

Seal, Name & Address of the Bank and address of the branch



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Annexure-D

## PREVIOUS SUPPLY ORDERS FORMAT

<b><u>Company Qualification</u></b>					
Relevant work experience as a prime AV Contractor over the last 5 years including ongoing projects.					
Bidders to insert the company profile and experience including total number of PSU/ State Government / Central Government / Government Autonomous bodies as clients and projects with total values in the last 5 years (maximum 250 words) List of relevant projects and client references					
Project Name	Name of Organization	Description of Work	Contract Amount	Period of Completion	Client Reference Contact Person (email and Phone number)

**This declaration must be accompanied with the supporting documentary evidence on company letter head duly signed by authorized signatory**



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Annexure-E

## **Unpriced bill of material**

**(To be included in Technical Bid)**

The Bidder should provide Bill of Material (detail s of all Modules / Components of Hardware including those bought out, off the shelf or third party products / items required along with necessary software's and licenses to be deployed) Module wise, in the following format.

Sr. No	Module/Item	Description	Make/ Model/ Version Part Number	Principal Vendor/ Manufacturer
1.				
2.				



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Annexure-F

## **Undertaking for Submission of Performance Bank Guarantee** **(On company Letter Head)**

Date:.....

Tender No.:.....

We undertake to submit Performance Bank Guarantee (PBG) of 10% of the order value in case IISER Tirupati decides to award the contract to us against tender no. .... dated ..... for Supply, Installation, Integration, Testing and Commissioning of High Definition Video Conferencing Equipment on turnkey basis. The PBG will be valid for 60 days beyond the expiry of post installation, comprehensive maintenance / warranty period of three years for the proposed installation.

Thanking you,

Sincerely ,

For M/s \_\_\_\_\_ (Name of the bidder)

Signature & company seal

Name

Designation

Contact.



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Annexure-G

## **BIDDER INFORMATION FORM**

Company Name: \_\_\_\_\_

Registration Number: \_\_\_\_\_

Registered Address: \_\_\_\_\_

\_\_\_\_\_

Name of Partners /Director: \_\_\_\_\_

City: \_\_\_\_\_

Postal Code: \_\_\_\_\_

Company's Establishment Year: \_\_\_\_\_

Company's Nature of Business: \_\_\_\_\_

Company's Legal Status

(Tick on appropriate option)

1) Limited Company

2) Undertaking

3) Joint Venture

4) Partnership

5) Others

Company Category

1) Micro Unit as per MSME

2) Small Unit as per MSME

3) Medium Unit as per MSME

4) Ancillary Unit

5) SSI

6) Others

### CONTACT DETAILS

Contact Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Email Id: \_\_\_\_\_

Designation: \_\_\_\_\_

Phone No: ( \_\_\_\_\_ ) \_\_\_\_\_

Mobile No: \_\_\_\_\_

### BANK DETAILS

Name of Beneficiary: \_\_\_\_\_

A/c. No. CC/CD/SB/OD: \_\_\_\_\_

Name of Bank: \_\_\_\_\_

IFSC NO. (Bank): \_\_\_\_\_

Branch Address and Branch Code: \_\_\_\_\_

\_\_\_\_\_

Other Details

Vendor's PAN No. \_\_\_\_\_

Vendor's CST No/LST No/WCT No/TIN No: \_\_\_\_\_



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Annexure-H

## **PRE CONTRACT INTEGRITY PACT**

The specimen of the Pre-Contract Integrity Pact which is part of tender documents is as follows:-

### **INTEGRITY PACT**

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on \_\_\_\_ day of the month \_\_\_\_\_ 2017 between the Indian Institute of Science Education & Research, C/o Sree Rama Engineering College (Transit Campus), Rami Reddy Nagar, Karakambadi Road, Mangalam (P.O.) Tirupati -517507 (herein after referred to as 'BUYER'), which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s \_\_\_\_\_ represented by Shri \_\_\_\_\_ Chief Executive Officer (hereinafter called the " BIDDER / Seller" , which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

Whereas the BUYER proposes to avail Supply, Installation, Integration, Testing and Commissioning of one High Definition Video Conferencing Equipment on turnkey basis at it's premises and the BIDDER / Seller is willing to offer / has offered the stores and services.

Whereas the BIDDER is a private company/public company/partnership/ registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a Department of the Government of India under Ministry of Human Resources performing functions on behalf of the President of India.

Now, therefore,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/unprejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:

Enabling the BUYER to obtain the desired said stores/equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption in any form by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

#### **1. Commitments of the BUYER:**



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1.1 The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favor or any material or immaterial benefit or any other advantage from the BIDDER either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the Contract.

1.2 The BUYER will, during the pre-contract stage, treat all Bidders alike, and will provide to all Bidders the same information and will not provide any such information to any particular Bidder which could afford an advantage to that particular Bidder in comparison to other Bidders.

1.3 All the officials of the BUYER will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

In case any such preceding misconduct on the part of such official (s) is reported by the Bidder to the BUYER, with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

## **2. Commitments of BIDDER:**

The BIDDER commits himself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commits himself to the following:

2.1 The BIDDER will not offer, directly or through intermediaries, any bribe, consideration, gift, reward, favor, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with bidding process, or to any person, Organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.

2.2 The BIDDER further undertakes that he has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favor, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the Contract or any other Contract with the BUYER for showing or forbearing to show favor or disfavor to any person in relation to the Contract or any other Contract with respect to the BUYER's Organization.

2.3 BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.



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2.4 BIDDERS shall disclose the payments to be made by them to agents/brokers on any other intermediary, in connection with this bid/contract.

2.5 The BIDDERS further confirms and declares to the BUYER that the BIDDER is the original manufacturer/ integrator/ authorized Govt. sponsored Export entity of the stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER, or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER; nor has any amount been paid, promised or intended to be paid to any such individual, firm or Company in respect of any such intercession, facilitation or recommendation.

2.6 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

2.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

2.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

2.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details; including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

2.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

2.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

2.12 If the BIDDER or any employee of BIDDER on any person acting on behalf of BIDDER, either directly or indirectly, is a relative of any of the officers of the BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest / stake in the BIDDERS firm, the same shall be disclosed by the BIDDER at the time of filling of tender.

The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.

### **3. Previous Transgression:**



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3.1 The BIDDER declares that no previous transgression occurred in the last three years -immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged herein or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDERS' exclusion from the tender process.

3.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

## **4. Earnest Money/Security Deposit:**

4.1 While submitting commercial bid, the BIDDER shall deposit an amount \* \_\_\_\_\_ (to be specified in TENDER) as Earnest Money/ Security Deposit with the BUYER through any of the following instruments:

- i. Bank Draft or a Pay Order in favor of the BUYER payable at location of/specified by the BUYER.
- ii. A confirmed guarantee by an Indian Nationalized Bank, promising payment of the guaranteed sum to the BUYER, on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the BUYER shall be treated as conclusive proof for payment.

4.2. The Earnest Money/Security Deposit shall be valid up to a period of five years or the complete conclusion of contractual obligations plus 60 days beyond that to complete satisfaction of both the BIDDER and the BUYER, including warranty period, whichever is earlier.

4.3 In the case of successful BIDDER, a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the Provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this pact.

4.4 No interest shall be payable by the BUYER to the BIDDER(s) on Earnest Money/Security Deposit for the period of its currency.

## **5. Sanctions for Violation:**

Any breach of the aforesaid provisions by the BIDDER or any one employed by him or acting on his behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following action, wherever required:-

- (i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However the proceedings with the other BIDDER(s) would continue.
- (ii) The Earnest Money (in pre – contract stage and /or/ Security deposit/Performance Guarantee Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.



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- (iii) To immediately cancel the contract, if already signed without giving any compensation to the BIDDER.
- (iv) To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due by the BUYER to the BIDDER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
- (v) To encash the advance bank guarantee and performance Guarantee bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest.
- (vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money due to the BIDDER.
- (vii) To debar the BIDDER from participating in future bidding process of the Government of India for a minimum period of five years, which may be further extended at the discretion of the BUYER.
- (viii) To recover all sums paid in violation of this pact by the BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- (ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
- (x) Forfeiture of Performance Guarantee Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

5.1 The BUYER will be entitled to take or any of the actions mentioned at para 5 (i) to (x) of the Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act 1988 or any other statute enacted for prevention of corruption.

5.2 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the independent Monitors appointed for the purpose of the Pact.

## **6. Fall Clause:**

The Bidder undertakes that he has not supplied/is not supplying the similar systems or subsystems at a price lower than that offered in the present bid in respect of any other Public Sector Undertakings/ Autonomous Institutes/ Nationalized Banks / Government Department & Ministries and if it is found at any stage that the similar system or sub-system was supplied by the BIDDER to any other Public Sector Undertakings/ Autonomous Institutes/ Nationalized Banks / Government Department & Ministries at a lower price, then that very price, with



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due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

**7. Independent External Monitor(s):**

7.1 The BUYER is in the process of appointing independent Monitors (herein after referred to as Monitors), for this Pact in consultation with Central Vigilance Commission.

7.2 The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

7.3 The Monitor shall not be subject to instructions by the representatives of the parties and performs their functions neutrally and independently.

7.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project / procurement, including minutes of meetings.

7.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the IISER.

7.6 The BIDDER(s) accepts that the Monitor has the right to access without restriction to all project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER(s) / Contractor(s) / Subcontractor(s) with confidentiality.

7.7 The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the BUYER and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

7.8 The Monitor will submit a written report to the Director IISER, Tirupati within 8 to 10 weeks from the date of reference or intimation to him by the BUYER and BIDDER and should the occasion arise, submit proposals for correcting problematic situations.

**8. Facilitation of Investigation:**

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

**9. Law and Place of Jurisdiction:**

This Pact is subject to Indian Law. The place of performance and Jurisdiction is Tirupati.

**10. Other Legal Actions**

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.



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## 11. Validity:

11.1 The validity of this Integrity Pact shall be from date of its signing and extend up to 5 years or till the complete execution of the contract to the satisfaction of both the BIDDER and the BUYER, whichever is later.

11.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions

**12 The Parties hereby sign this Integrity Pact at \_\_\_\_\_ on \_\_\_\_\_**

BUYER  
Name of the Officer  
Designation  
IISER Tirupati

BIDDER

Witness

Witness

1. \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

2. \_\_\_\_\_



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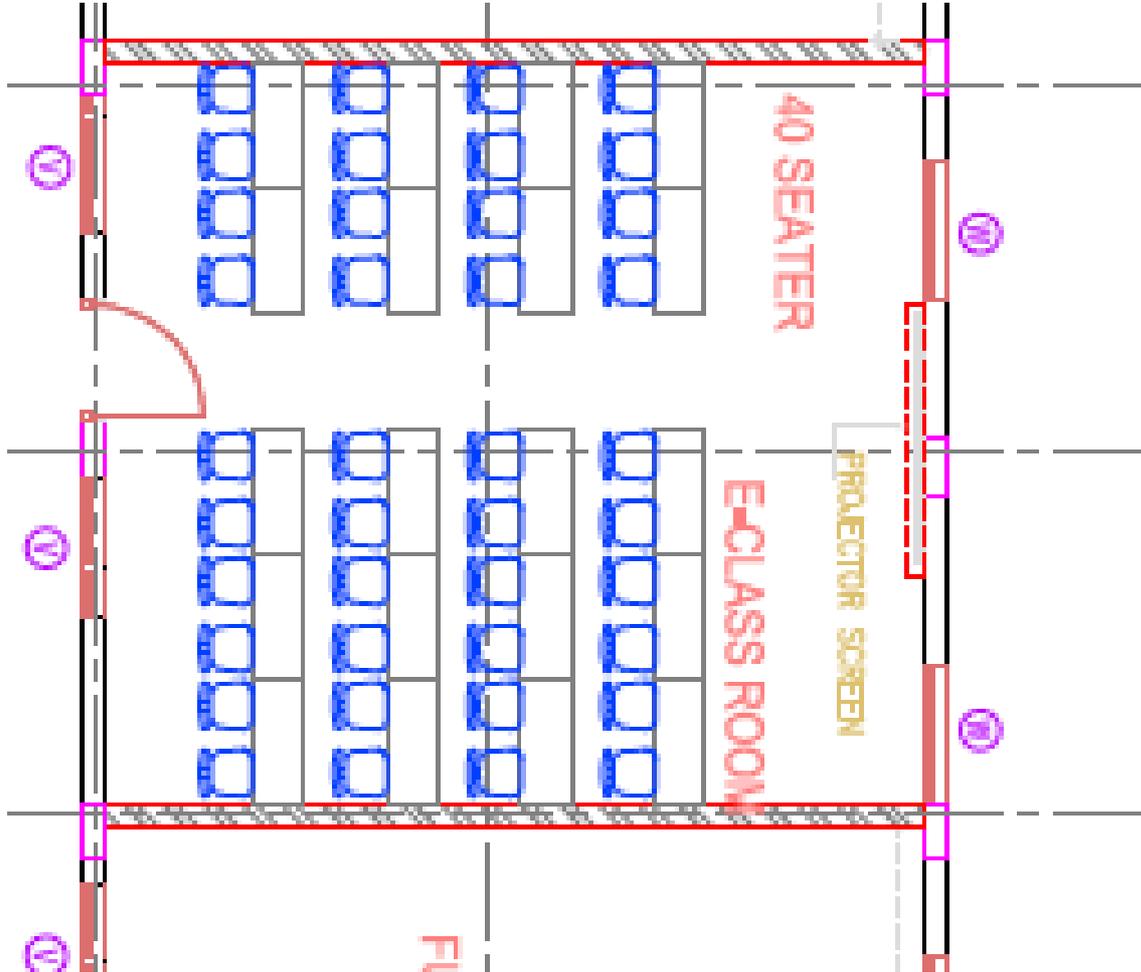
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Annexure-I





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## Checklist for BIDDER

BIDDERS to indicate whether the following are enclosed/mentioned by striking out the non-relevant option

Sl. No.	Documents	Content	Document Attached
1	Technical Bid	Tender Fee of Rs.1,000/- and EMD of Rs. 90,000/-	( Yes /No )
2		Solvency certificates for Rs. 18,00,000 - Eighteen Lakhs (not older than twelve months) issued by Scheduled/Nationalized bank with which BIDDER holds the current account.	( Yes /No )
3		Copy of LST/CST/WCT/GST No, PAN No., TIN No. and ISO Certificate of the bidder firm and allotted by the concerned authorities. If registered with the National Small Industries Corporation, the registration number, purpose of registration and the validity period of registration and a copy of DGS&D registration wherever it is applicable	( Yes /No )
4		Manufacturer (OEM) authorization certificate(s) mandatorily for all equipment's forming the part of the part of the solution.	( Yes /No )
5		Solution document in adherence to the technical specifications backed up by technical literature/ leaflets	( Yes /No )
6		Compliance statement/questionnaire of tender terms and conditions as per Annexure- 'A'.	( Yes /No )
7		Blacklist Certificate and other mandatory declarations as per Annexure –'B'.	( Yes /No )
8		Bid security Form as per Annexure-'C'(as applicable)	( Yes /No )
9		Previous Supply Order List Format as per Annexure –'D' with documents supporting it.	( Yes /No )
10		Unpriced Bill of Material List Format as per Annexure –'E'.	( Yes /No )
11		Undertaking that the successful BIDDER agrees to give a security deposit amounting to 10% of the purchase order value by way of Demand Draft in favor of The Director, IISER Tirupati. Annexure –'F'.	( Yes /No )



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12		Bidder Information Form as per Annexure – 'G'.	( Yes /No )
<b>Sl. No.</b>	<b>Documents</b>	<b>Content</b>	<b>Document Attached</b>
1	Financial Bid	Price bid submitted separately in a different Sealed Envelope super scribing as Price Bid	( Yes /No )