



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

## INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

Transit campus: Sree Rama Engineering College Campus, Rami Reddy Nagar, Karakambadi Road, Mangalam (B.O), Tirupati - 517 507

Website: <http://www.iisertirupati.ac.in>

**Tender No: IISERT/PUR/0118/20**

**Date: 26-June-2020**

Indian Institute of Science Education and Research, Tirupati invites online bids (e-tender) in two bids systems, from OEM/Authorized distributors/Authorized dealer for the following.

Brief Details of Tender:

Item Description	Qty	EMD (Rs.)	Tender Fee (inclusive of all taxes) (Rs.)
Supply, Installation and Commissioning of Network Controller, Switches, Access Point and Single Mode Fiber Module at Main Campus, Yerpedu	As Per Price Schedule	Rs. 5,50,000.00	Rs.1,000.00

The Tender Document can be downloaded from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/eprocure/app> or Institute website [www.iisertirupati.ac.in](http://www.iisertirupati.ac.in) and bid is to be submitted online only through the E-procurement portal up to the last date and time of submission of tender.

Critical Dates of Tender

Sr.No	Particulars	Date	Time
1	Date of Online Publication/Download of Tender	26/06/2020	18:00 Hrs.
2	Pre-Bid Meeting via Google Meet	03/07/2020	15:30 Hrs.
3	Bid Submission Start Date	06/07/2020	15:00Hrs.
4	Bid Submission Close Date	20/07/2020	15:00Hrs
5	Opening of Technical Bids	21/07/2020	15:30 Hrs.

No manual bids will be accepted. All quotation (both Technical and Financial should be submitted in the E-procurement portal).

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 0120-4200462, 0120-4001002, 91-8826246593.

## **INDEX PAGE**

<b>SR. NO</b>	<b>DESCRIPTION OF CONTENTS</b>	<b>PAGE NO</b>
1.	INSTRUCTIONS FOR ONLINE BID SUBMISSION	03
2.	CHAPTER -1 : INVITATION FOR TENDER OFFERS	06
3.	CHAPTER -2 : INSTRUCTIONS TO BIDDERS	12
4.	CHAPTER -3 : CONDITIONS OF CONTRACT	15
5.	CHAPTER -4 : SCHEDULE OF REQUIREMENTS, SPECIFICATIONS ALLIED TECHNICAL DETAILS	22
6.	CHAPTER -5 : PRICE SCHEDULE	30
7.	ANNEXURE – A - FORMAT/QUESTIONNAIRE FOR COMPLIANCE OF TERMS AND CONDITIONS	31
8.	ANNEXURE – B - FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS	38
9.	ANNEXURE – C- BID SECURITY FORM	39
10.	ANNEXURE – D- MANUFACTURER’S AUTHORIZATION FORM	40
11.	ANNEXURE – E – PREVIOUS SUPPLY ORDER LIST FORMAT	41
12.	ANNEXURE – F - BIDDER INFORMATION FORM	42
13.	ANNEXURE – G - BLACKLIST CERTIFICATE	43
14.	ANNEXURE – H- BANK DETAILS	44
15.	PRE CONTRACT INTEGRITY PACT	45
16.	CHECKLIST FOR BIDDERS	53
17.	IMPORTANT NOTICE- ACCOUNT DETAILS OF IISER TIRUPATI	54

### **Instructions for Online Bid Submission:**

This tender document has been published on the Central Public Procurement Portal ([URL:https://eprocure.gov.in/eprocure/app](https://eprocure.gov.in/eprocure/app)) & Institute website [www.iisertirupati.ac.in](http://www.iisertirupati.ac.in) . The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:  
<https://eprocure.gov.in/eprocure/app> .

### **REGISTRATION**

1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app) ) by clicking on the link “Click here to Enroll”. Enrolment on the CPP Portal is free of charge.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.
7. The CPP Portal also has user manual with detailed guidelines on enrollment and participation in the online bidding process. Any queries related to process of online bids or queries related to CPP Portal may be directed to the 24x7 CPP Portal Helpdesk.
8. The Institute will not be responsible for any type of technical issue regarding uploading of Tender on website.

### **SEARCHING FOR TENDER DOCUMENTS**

1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The Bidders should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

## **PREPARATION OF BIDS**

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS formats. Bid documents may be scanned with 100 dpi with black and white option.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## **SUBMISSION OF BIDS**

1. Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Financial Bids can be submitted in PDF format (As per Chapter 5).  

Any additional components, which the bidder wants to quote and if it's not available in BoQ, can be quoted in the PDF format.

The bidder may add rows to include the prices of all components & warranties, installation etc. whichever applicable.
4. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
5. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
6. Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
7. Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

**ASSISTANCE TO BIDDERS**

- i. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- ii. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is **0120-4200462, 0120-4001002, 91-8826246593**.

**Chapter 1**  
**INVITATION FOR Tender Offers**

**Indian Institute of Science Education and Research (IISER), Tirupati invites e-Tender for Supply, Installation and Commissioning of Network Controller, Switches, Access Point and Single Mode Fiber Module at Main Campus, Yerpedu** The Bidders are requested to give detailed tender in two Bids i.e.

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

2. In view of Covid-19, IISER Tirupati will be conducting a Pre-bid conference through Google Meet on. 03/07/2020 from 03:30 PM to 04:30 PM (IST). All prospective bidders are requested to kindly send their queries through email at [purchase@iisertirupati.ac.in](mailto:purchase@iisertirupati.ac.in) so as to reach latest by 02/07/2020. Clarifications to all the queries received before the due date will be given during the Pre-Bid Meeting and only the queries which remain unclarified (or) the queries which have an impact on the change in technical specifications will be mentioned in the minutes of the pre-bid meeting and the same will be uploaded on our website and CPPP portal. No queries will be entertained after the Pre-bid meeting. In the event of all queries received being clarified during the pre-bid & if there are no changes in the technical specifications then nil report will be uploaded in the website and CPPP portal.

The Google Meet id will be personally sent via email to the vendors interested in attending the Pre-Bid conference upon their request. Vendors interested must send a request for access to Pre-Bid conference at [purchase@iisertirupati.ac.in](mailto:purchase@iisertirupati.ac.in). Bidder attending Pre-Bid conference via Google Meet must ensure of active and uninterrupted high speed internet connection with a working microphone and camera from their end. In case of frequent disconnection (or) bad connection, IISER Tirupati will not be responsible for the same and no further correspondence will be entertained post the date of Pre-Bid meeting.

**TIME SCHEDULE**

Sr.No	Particulars	Date	Time
1	Date of Online Publication/Download of Tender	26/06/2020	18:00 Hrs.
2	Pre-Bid Meeting via Google Meet	03/07/2020	15:30 Hrs.
3	Bid Submission Start Date	06/07/2020	15:00Hrs.
4	Bid Submission Close Date	20/07/2020	15:00Hrs
5	Opening of Technical Bids	21/07/2020	15:30 Hrs.

**2. AVAILABILITY OF TENDER:**

The tender document can be downloaded from <http://eprocure.gov.in/eprocure/app> and be submitted only through the same website.

**Technical Bid:**

1. The online envelope clearly marked as "**Technical Bid - Envelope No. 1**" shall contain the all scanned copies of originals documents in PDF Format.
  - a) Compliance statement/questionnaire of tender terms and conditions as per **Annexure-‘A’**.
  - b) Compliance statement of specifications as per **Annexure- ‘B’**.
  - c) Bid Security/EMD as per **Annexure- ‘C’**.

- d) Manufacturer authorization as per **Annexure –‘D’**.
- e) Previous Supply Order List Format as per **Annexure –‘E’**.
- f) Bidder Information Form as per **Annexure –‘F’**.
  - g) Blacklist Certificate as per **Annexure –‘G’**.
  - h) Annual Maintenance Certificate as per **Annexure –‘H’**.
  - i) Solvency certificates (not older than twelve months) issued by Scheduled/Nationalized bank with which BIDDER holds the current account.
  - j) Copy of LST/CST/WCT 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.
  - k) Technical literature/ leaflets and complete specifications of quoted model(s) along with commercial terms and conditions.
  - l) 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.
  - m) In case of exemption from submission of Bid security, proof of registration with NSIC/MSME.
  - n) Details of supplies of similar Works, along with photocopies of previous Purchase orders and details of place of supply along with contact details.
  - o) Scanned copy of Tender Fee & EMD and it is required to submit the same in original in a sealed envelope at the following address (in case of vendor opts for manual EMD & tender fee)

Assistant Registrar (stores & Purchase)

Indian Institute of Science Education and Research (IISER), Tirupati

Transit campus: C/o Sree Rama Engineering College Campus, Rami Reddy Nagar  
Karakambadi Road, Mangalam (B.O), Tirupati - 517 507

**Website:** <http://www.iisertirupati.ac.in/>

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

- a) **Tender Fee of Rs. 1,000/- (One Thousand only)** in the form of Demand Draft from Nationalized/scheduled bank in favor of The Director, IISER Tirupati. The firm registered with NSIC/MSME as manufacturer for the supply of the same category of item for which the party is submitting quotation will be exempted from submission of FEE.
- b) **EMD of Rs. 5,50,000.00/-(Five Lakh Fifty Thousand only)** in the form of Bank guarantee (As per format enclosed as ANNEXURE- ‘C’) or Demand Draft of a scheduled bank in the name of Director, IISER, Tirupati valid for 180 days from the date of opening of the tender or NEFT (The IISER Tirupati Bank Details are enclosed in Annexure-H). The firm registered with NSIC/MSME as manufacturer for the supply of the same category of item for which the party is submitting quotation will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their quotation. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of concerned item. The party must therefore, submit a pre-receipted Bill in triplicate along with the quotation (in case of EMD sent in form of Bank Draft) to enable us to refund their EMD.

- i. The BIDDER who submits the tender on behalf of their principals should produce documentary evidence in support of their authority to quote or submit Performa invoice of their principals for this tender.
- ii. In case of bids in Foreign Currency, the Indian Representative / dealers can submit the EMD in INR to IISER, Tirupati without any relaxation.
- iii. The Bank Guarantee is insisted due to steep fluctuations in foreign exchange hence the foreign DD's are not accepted towards EMD. Bids submitted without EMD/tender fee will stand rejected. EMD will not be accepted in the form of cash /cheque. No interest is payable on EMD.
- iv. The EMD will be returned to the BIDDERS(s) whose offer is not accepted by IISER, TIRUPATI within one month from the date of the placing of the final order(s) on the selected BIDDER(s). In case of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Bank Guarantee as Security Deposit (SD). However, if the return of EMD is delayed for any reason, no interest / penalty shall be payable to the BIDDERS.
- v. The successful BIDDER, on award of contract / order, must send the contract / order acceptance in writing, within 15 days of award of contract / order failing which the EMD will be forfeited.
- vi. The EMD shall be forfeited: In case a successful BIDDER fails to furnish the Security Deposit.
- vii. Bids submitted without EMD/Tender fee will be rejected & no correspondence in this regard shall be entertained.

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

**5. Specifications:**

Specifications are 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.

**5. Compliance Statements:**

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

- b) Similarly, the Compliance Statement/questionnaire for Terms & Conditions of the tender may be furnished, as per the enclosed format at Annexure –‘A’, along with quotation (with techno- commercial bid in case of two bid tender system).
- c) The firms are advised to submit both the compliance statements essentially along with their quotation failing which their offer may not be considered.

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

- i. Cost of all the items should be mentioned clearly and individually in the Commercial Offer (Part-II) 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.
- v. In case of foreign quote, the address of Principal’s / Manufacturer’s and their Banker’s details should be furnished.

**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. IISER Tirupati may issue corrigendum to tender documents before due date of Submission of bid. The bidder is required to read the tender documents in conjunction with the corrigendum, if any, issued by IISER Tirupati. The bidder is not supposed to incorporate the amendment in the body of the tender document

**8. BID OPENING AND EVALUATION PROCESS**

- a. Technical Bids will be opened on 21<sup>st</sup> July 2020 at 03:30 PM.
- 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 submitted other than through online or **original EMD & tender fee are 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.

- (iii) 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 IV (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, Tirupati and these 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 also call for Technical presentations from the BIDDERS 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 for rejection on e-Procurement Portal (<https://eprocure.gov.in/eprocure/app>).  
**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.**
- (vii) The successful BIDDERS will be informed regarding the date and time of Commercial bid opening.
- (viii) 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.

#### 9. **Commercial 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.

- (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) Selling exchange rate/equivalent to Indian currency will be as on the date of bid opening in the case of single bidding and the rate on the date of opening of the priced bids in the case of two-part bidding.
- c) **The bids shall be evaluated on the basis of final landing cost as per format given in Price Schedule in case of import / indigenous items.**
- d) The comparison between the indigenous and the foreign offers shall be made on FOR destination basis and CIF/CIP basis respectively. However the CIF/CIP prices quoted by any foreign bidders shall be loaded further as under :
  - Towards customs duty and other statutory levies-as per applicable rates.
  - Towards custom clearance, inland transportation etc. – 2% of the CIF/CIP value.
- e) Where the price quoted on FOB/FCA and CIF/CIP basis are the same, the Contract would be made on CIF/CIP basis only.
- f) 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.**
- g) After arriving at final pricing of individual offers of all the short listed firms, the lowest firm will be awarded with Contract/Purchase Order.
- h) If there are any discrepancies in price schedule and tender document please refer to the BOQ in the Central Public Procurement Portal, the BOQ item/words/conditions mentioned in BOQ prevails

11. The Director, IISER, TIRUPATI reserves the right to accept the offer in full or in parts or reject summarily or partly.

12. The relatives / near relatives of employees of the client are prohibited from participation in this bid.

The near relatives for this purpose are defined as:

(a) Members of a Hindu Undivided Family.

(b) Their husband or wife.

(c) The one is related to the other in the manner as father, mother, son(s), son's wife (daughter-in-law), daughter(s) & daughter's husband (son-in-law), brother(s) & brother's wife, sister(s) and sister's husband (brother-in-law).

**13. Unloading: In Case of Equipment unloading at IISER Tirupati will be under supplier scope**

## **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 dealer/distributor/Indian Agent, the manufacturer authorization should be attached with the technical bid as per Annexure-‘D’.

**One Indian Agent can participate in a tender on behalf of one manufacturer only. No offer will be entertained if the same Indian Agent is representing another manufacturer for the same item.**

**Bids from only one authorized distributor/retailer/reseller will be entertained, who has authorization from the company to quote for this tender.**

**Multiple bids from various distributors from the same manufacturer will not be entertained & the company / principle providing multiple authorizations will be rejected from the tender.**

b) In case a bidder is not doing business within India, it shall furnish the certificate to the effect that the bidder is or will be represented by an agent in India equipped and able to carry out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period.

c) 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.

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

e) 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 e-Procurement portal (<https://eprocure.gov.in/eprocure/app>) or on IISER TIRUPATI website.

f) Conditional tenders will be summarily rejected.

### **2. Delivery Period / Timeliness:**

The deliveries & installation must be completed **within 30** days after placement of purchase order. The time is the essence of the contract. It is mandatory for the Bidder who responds to this bid to meet these expectations, as are tightly linked to IISER, TIRUPATI’s plans of completing the project within the time frame.

### **3. Essential Eligibility Criteria for Bidders:**

1. Proof that the bidder has supplied and effectively maintained a computational physics / chemistry laboratory for a period of at least three years. Necessary report of satisfactory support provided by the direct end-user, to be submitted as a part of eligibility criteria.
2. Bidder should have a full-fledged sales and Technical support office in India. who can attend the complaint within 24 hours. Necessary proof to be submitted thereof with all details.
3. Manufacturers Authorization Form should be submitted with reference to this tender enquiry for submission of bid of their (OEM) product brand only.

#### 4. Security Deposit:

- a. Within ten (10) days of the award of contract, the vendor shall furnish a Security Deposit amounting to 10% of the purchase order value in the form of Demand Draft/Bank Guarantee (**from scheduled Bank only**) favoring the Director, Indian Institute of Science Education and Research, Tirupati.
- b. The IISER will forfeit the 10% security deposit if vendor fails to execute the order as per the Purchase Order. This Security Deposit will be refunded to the vendor only on successful installation of the EQUIPMENT / SYSTEM.
- c. The Security Deposit should be valid for a period of warranty period as we plan to extend the same as Performance Bank Guarantee.
- d. **Bank Guarantee wherever mentioned in this document may be read as “Bank Guarantee from any Scheduled Bank” only.**

#### 5. Amalgamation/Acquisition etc.:

In the event the Manufacturer/Supplier proposes for amalgamation, acquisition or sale of its business to any firm during the contract period, the BUYER/Successor of the Principal Company are liable for execution of the contract and also fulfillment of contractual obligations i.e. supply, installation, commissioning, warranty, maintenance/replacement of spares accessories etc. while submitting your bid, you may confirm this condition.

#### 6. Bid Validity Period:

- a. The prices must be valid at least for a period of **180 days** from the date of opening of the Tender. No changes in prices will be acceptable in any condition after opening of tender till the validity of the offer or execution of the order whichever is later
- b. 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.
- c. Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

#### 7. AWARD OF CONTRACT:

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

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

- a. 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.

- b. Firms which have already supplied similar equipment to IISER, TIRUPATI and have not completed required installation/commissioning/after sales service/warranty replacements etc. such firms offer will not be considered for further evaluation and no enquiries thereafter will be entertained.

**9. Cargo Consolidation and Customs Clearance:**

IISER, TIRUPATI has appointed its own Freight Forwarder and Custom House Agent for all IISER, imports. Please note that all the consignments have to be routed through their associates only. The address and contact details will be provided at the time of placing the Purchase Order. While submitting your bid, you may confirm this condition.

**10. Fraud and Corruption:**

The 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) The IISER Tirupati will reject a proposal for award if it determines that 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

**11. 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.**

## **CHAPTER - 3 : CONDITIONS OF CONTRACT**

### **1. Prices:**

Bid prices should be filled in the appropriate format as mentioned in Price Schedule.

***ALL THE BIDDERS SHOULD QUOTE PRICES FOR EACH AND EVERY ITEM SEPERATELY ALONG WITH THE CONSOLIDATED PRICES APPLICABLE FOR BOTH INDIGENOUS AND IMPORTED ITEMS (if any).***

### **A. For Goods manufactured in India:**

- (i) The price of the goods must be as per the BoQ.
- (ii) In case of BoQ requesting for prices without GST. GST will be paid as per the norms.
- (iii) The price mentioned in BoQ must be inclusive of transportation, Insurance, loading and unloading and any other local service required for delivering the goods for the desired destination as decided by IISER Tirupati. Loading and unloading is strictly in vendor scope. IISER Tirupati will not provide any manpower support towards the same.
- (iv) The installation, commissioning and training charges (If any) must be mentioned as per the BoQ (if requested separately in BoQ) else the price quoted will be taken as inclusive of installation, commissioning and training.
- (v) The institute will not be responsible in case of the bidders failing to include any of the above mentioned prices in their bid. The price mentioned in the Boq will be final and the bidder has to comply with that, if awarded the tender.
- (vi) **UNLOADING OF THE GOODS AT IISER TIRUPATI IS STRICTLY IN THE SCOPE OF THE BIDDER. NO MANPOWER WILL BE PROVIDED BY IISER TIRUPATI.**
- (vii) The goods must be disinfected properly before dispatching.
- (viii) A representative of the successful bidder must be available during the delivery at the Institute & must disinfectant the boxes before delivering again. In case the travel time from dispatch to reach IISER more than 48 hours.

### **B. For Goods manufactured abroad:**

- (i) The mode of shipment must be clearly mention in the BoQ viz Ex-works, FCA, FOB, CIP, DDP etc.
- (ii) Courier mode of shipments will not be acceptable. IISER Tirupati will not pay the charges towards clearance goods arriving on courier mode.
- (iii) The mode of shipment once mentioned cannot be changes without the consent of IISER Tirupati.
- (iv) Any financial implication leading to change of mode of shipment or any deviation from the bid submitted shall be borne by the bidder.
- (v) The charges towards insurance and transportation of the goods and agency commission must be clearly mentioned.
- (vi) The installation, commissioning and training charges including any incidental services, if any.
- (vii) The installation, commissioning and training charges (If any) must be mentioned as per the BoQ (if requested separately in BoQ) else the price quoted will be taken as inclusive of installation, commissioning and training.
- (viii) The institute will not be responsible in case of the bidders failing to include any of the above mentioned prices in their bid. The price mentioned in the Boq will be final and the bidder has to comply with that, if awarded the tender.
- (ix) **UNLOADING OF THE GOODS AT IISER TIRUPATI IS STRICTLY IN THE SCOPE OF THE BIDDER. NO MANPOWER WILL BE PROVIDED BY IISER TIRUPATI.**
- (x) The goods must be disinfected properly before dispatching.

(xi) A representative of the successful bidder must be available during the delivery at the Institute & must disinfect the consignment boxes before delivering again in case the travel time from dispatch to reach IISER more than 48 hours.

C. We are exempted from payment of Customs Duty under notification No.51/96 dated 23.07.1996. **Customs Duty, if any, should be shown separately. No other charges than those mentioned clearly in the quotation will be paid.**

D. BIDDERS may also bid for High Sea sales.

2. **Bank Charges:**

**All Bank charges inside India, including opening of LC, to IISER, TIRUPATI Account and outside India to Beneficiary's Account only. In case the BIDDER seeks confirmation of LC such confirmation charges are to the Beneficiary's account. This may please be noted and confirmed.**

3. **Agency Commission & Services:**

3.1. The Indian Agency commission payable in Indian currency only after the receipt of consignment in good condition at our Stores and satisfactory installation and commissioning of the ordered equipment.

3.2. In case of foreign quote, the Principal supplier should clearly indicate the address of the Indian Agent and percentage (%) of Agency Commission and taxes if any payable to him. Such amounts will be paid in Indian Currency to the Indian Agent.

3.3. Details of services rendered by you as well as after-sales services offered by you are to be made clear in the tender.

4. **Performance Bank Guarantee:**

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

5. **Performance Benchmarks:**

The technical evaluation committee needs to be provided with an evaluation system to carry out performance benchmarks.

6. **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. Bidders should also bring sufficient technical manpower for verification of pre-installation pre-requisites any requirement mentioned after the arrival of equipment to IISER Tirupati which may lead to delay in installation may lead to levy of penalty as decided by the institute.

7. **INSTALLATION:**

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

7.2. Installation demonstration to be arranged by the supplier free of cost and the same is to be done within one week of the arrival of the equipment at site failing which penalty of INR 500 per day will be levied.

7.3. 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.

7.4. Sufficient technical manpower and housekeeping manpower must be arranged by the bidder at the time of installation and unloading of the equipment/goods.

8. **INSPECTION:**

8.1 The inspection of the system will be done by our technical expert /Scientist in the presence of firm's representative.

8.2 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 pending the settlement of the insurance case wherever applicable on FOR at the IISER. FoR or CIF basis to the institute till satisfactory installation of the system, with in the stipulated time as decided by the Institute failing which penalty 1% of the total order value per week will be levied.

9. **Training:**

Wherever needed, our Scientist/Technical persons should be trained by the supplier at the project site free of cost. In case the person is to be trained at supplier's site abroad or in India it should be mentioned in the quotation clearly. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges.

10. **Warranty / Support:**

10.1 The items covered by the schedule of requirement shall carry minimum Three years of comprehensive warranty from the date of acceptance of the equipment by IISER, TIRUPATI. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours, failing which penalty INR 5000 per day would be levied and same shall be deducted from Performance Bank Guarantee. The comprehensive warranty includes onsite warranty with all parts.

10.2. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, octroi, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation on letter head should be given for this item.

10.3. The warranty on the associated software should cover providing of upgraded version/s, if any, released during the warranty period free of cost.

The turnaround time for resolving of any issue in case of indigenous bidders is 15 days and in case of import is 30 days from the date of intimation from institute via e-mail any delay in resolving the issue will lead to forfeiture of their PBG. The delay in resolving the issue beyond the stipulated period mentioned above shall lead to extension of warranty period.

10.4. The BIDDER shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 10 years from the date of supply of equipment on payment on approved price list basis.

10.5. The equipment must be supported by a Service Centre in India manned by the principal vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, seven days a week and 365 days a year. Also it should be possible to contact the Principal's vendor support Centre on a toll free number/web/mail.

10.6. An undertaking from the manufacturer is required in this regard stating that they would facilitate the BIDDER on regular basis with technology / product updates & extend support for the warranty as well.

10.7. The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.

10.8. The principal vendor must have a local logistics support by maintaining a local spares depot in the country of deployment of the equipment. This is to ensure immediate delivery of spares parts from Principal Vendor of equipment to its channel partner/system integrator.

10.9. Details of onsite warranty, agency who shall maintain during warranty and undertake Annual Maintenance Contract/Comprehensive Service Maintenance Contract beyond warranty shall be given in the offer. In case of foreign quote, the Indian Agent who shall maintain during warranty and AMC beyond warranty shall be given in the Technical Offer.

10.10 **COMMENCEMENT OF WARRANTY PERIOD:**

The warranty period of an item shall commence from the date of successful installation, commissioning and demonstration at 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.

11. **Reasonability of Prices:**

11.1 The prices quoted must be the prices applicable for a premiere Educational and Research Institute in national importance, as applicable to educational research institutes must be given.

11.2 The bidder must give details of identical or similar equipment, if any, supplied to any Centrally Funded Technical Institutes CFTI's/IISERS/ CSIR lab/Education Research Institute during last three years along with the final price paid and Performance certificate from them.

12. **Annual Maintenance Contract:**

12.1. The party must mention in the quotation, the rate/amount of annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period. This is mandatory to mention, wherever applicable.

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

13. **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.

14. **Freight & Insurance:**

14.1. Imports: In case of imports the freight & insurance will be paid by IISER, TIRUPATI, as the consignments are shipped through the IISER, TIRUPATI nominated freight forwarder (applicable only cases of FCA/FOB shipments).

14.2. Indigenous : The equipment's to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at IISER, TIRUPATI site in case of Rupee transaction.

15. **Payment:**

15.1. For Indigenous items, 90% payment shall be made against delivery, installation, commissioning and on acceptance as per Purchase Order at site and balance 10% shall be made after receipt of performance Bank Guarantee for 10% of the total order value, to be valid for till warranty period from date of installation and acceptance. If no Bank Guarantee is given, the balance 10% will be paid after assessing, after sales service during warranty period i.e. payment after warranty period. Please note that the warranty period will be extended in case of non-resolving of issues in a stipulated given by the institute as mentioned above.

15.2. For imported items, 90% payment shall be made by a Irrevocable Letter of Credit established in favor of the supplier through the State Bank of India Korlagunta Branch Tirupati,517501 (India) for the order value, excluding the Agency Commission due to the Indian Agents, against the presentation of original Shipping documents. Balance 10% will be released after completion of satisfactory installation, commissioning, demonstration of the whole system, after imparting training and upon receipt of Bank Guarantee for 10% of total Order value towards performance security to be valid for till warranty period from the date of installation. However, Letter of Credit arrangement will be made for 100% order value. Please note that the warranty period will be extended in case of non-resolving of issues in a stipulated given by the institute as mentioned above.

The payment of local currency portion shall be payable in equivalent Indian Rupees, within 30 days after the receipt of the equipment in good condition and after satisfactory installation and commissioning and demonstration.

The Agency Commission to the Indian Agent will be paid in INR only after successful installation, commissioning and satisfactory demonstration and acceptance of the items ordered for by the end user.

16. **Penalty for delayed Services / LD:**

- 16.1. 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/SD and also LD clause will be applicable /enforced.
- 16.2. If the supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.
- 16.3. IISER, TIRUPATI reserves the right to cancel the order in case the delay is more than 10 weeks. Penalties, if any, will be deducted from the Security Deposit.

17. **Jurisdiction:**

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

18. **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, it's 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.

**19. Discrepancies**

If there are any discrepancies in price schedule and tender document please refer to the BOQ in the Central Public Procurement Portal, the BOQ item/words/conditions mentioned in BOQ prevails.

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:

- (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.

**Assistant Registrar (A&P)**

**CHAPTER 4-SCHEDULE OF REQUIREMENTS, SPECIFICATION**  
**ALLIED TECHNICAL DETAILS**

**Network Controller - 1 number**

<b>S. No</b>	<b>Specification / Requirement</b>
<b>1</b>	<b>Product details- Please specify</b>
1.1	Please mention Make, Model No. and Part Code
<b>2</b>	<b>Essential Features</b>
2.1	The Controller should be a dedicated hardware appliance, purpose built for Network Control and management.
2.2	The Controller should have minimum of 4x 10/100/1000 RJ45 Ethernet Ports.
2.3	Controller should have Easy Setup through UPnP Network Discovery and Installation Wizard.
2.4	Controller should support 320 AP from day one and should be scalable up to 1000 APs or more with support of seamless roaming access over L2/L3 network. Controller should have capabilities to manage Switches.
2.5	Controller should have capacity to handle minimum 20,000 or more Concurrent devices.
2.6	Controller should support integrated user authentication capability of minimum 20,000 users without the need for any external database servers (AD/LDAP).
2.7	Redundancy Features: Controller Must support Active:Standby, Active:Active with N+1 redundancy options. When HA is enabled in future, AP licenses should be shared among Active:Standby Controllers.
2.7	Controller Should support network analytics engine which uses Artificial intelligence-based Machine learning algorithm to pro-actively notify administrators about network issues. Licenses required for network analytics should be given as option.
<b>3</b>	<b>Wired Management Features</b>
3.1	Controller should maintain inventory of switches (Model, MAC, serial, IP, uptime), monitor health of switches and raise alarms. It should show the port status with LLDP information, CRC errors, Bandwidth utilization, VLANs assigned, LAG, Optics configured. Should show AP to Switch Connectivity, PoE Consumption, Traffic Statistics.
3.2	Controller should be able to upgrade Switch's firmware. Also, should be able to schedule automatic firmware upgrade at selected time. Should keep track of firmware history and upgrade job status.
3.3	Controller should show Wired Switch clients on GUI. It should update description of wired client with LLDP-MED information sent by clients.
3.4	Controller should be able to centrally manage and configure Switches. Support for Switch Stacking configuration from controller should be available.
3.5	Controller should backup switch configuration and restore. Should be able to see backed up configuration in clear text on controller. should have inbuilt tool to compare 2 config to track changes.
3.6	Controller should monitor Switch CPU, Memory, PSU, Fans and Temperature and raise alarm if threshold meets. Should support remote ping and traceroute and client connectivity diagnostics (CCD) for troubleshooting. Should support Remote CLI over GUI.
3.7	Controller should register and authenticate switches before connecting to Controller.
<b>4</b>	<b>Wireless management Features</b>
4.1	Controller should monitor and maintain Access points related information such as IP/MAC, Model, Firmware, Radio and traffic statistics, RF/LLDP neighbors, GPS location etc., It should also manage Configuration of APs group-wise, zone-wise. Should have option to override group config specific to AP.
4.2	Controller should provide air-time fairness, Band Steering, Spectrum analysis.

4.3	Controller should support ChannelFly Automatic Channel Interference System, Smart mesh system,
4.4	Controller should support Visual Client Connection Diagnostics.
4.5	Controller should be able to support Bonjour Fencing to Chromecast, QoS Features like 802.11e, WMM, U-APSD.
4.6	Should have capabilities such as Filtering of Alarms and event Log based on APs, SSID or Zones
4.7	Controller should support Wireless heat maps to show coverage areas and holes. Controller also should support Google maps integration.
4.8	Controller should support IoT controller integration to support BLE, Zigbee, LoRAWAN implementation over single ethernet network.
4.9	APs should be site-survivable. Configuration should be possible to configure as such if controller goes down, still APs should be able to handle client traffic.
<b>5</b>	<b>Guest Access Management</b>
5.1	Controller should provide a Guest Login portal in order to authenticate users that are not part of the organization.
5.2	Controller should be able to provide a web-based application that allows non-technical staff to create Guest accounts with validity for fixed duration like hours or days.
<b>6</b>	<b>Security &amp; Monitoring</b>
6.1	Controller should support AES256 encrypted GRE-based tunnel for data forwarding.
6.2	Controller Should support auth/encryption methods for WLAN configuration: Open, WEP, WPA2-AES, DPSK, WPA3-SAE, WPA3-OWE, IEEE 802.1X/EAP, AAA, AES-GCMP-256. It should also support Role-Based Access Control, rate-limiting, device fingerprinting, 802.11w MFP and 802.11r Fast roaming.
6.3	Controller should also support WISPr and Hotspot2.0.
6.4	Controller should support Firewall Features including L2/L3/L4 Access Control profiles, Application Control profiles, Deep packet inspection, Device based policies etc., URL filtering should be available and will be license-enabled when required.
6.4	Controller should support minimum 4000 DPSK (Dynamic Pre-Shared Keys).
6.5	Controller should Isolate unicast/multicast/broadcast wireless client traffic from all hosts on the same VLAN/subnet. Client isolation should also have Whitelisting options. Controller should have the capability to limit/prevent clients from using static IP addresses thereby enhancing network efficiency and preventing network conflicts.
6.6	Support for Walled garden "Walled Garden" functionality to allow restricted access to select destinations by unauthorized wireless users.
6.7	Controller should support WIDS/WIPS for security including Rogue AP detection and prevention, Evil-twin/AP spoofing detection and Ad-Hoc detection.
<b>7</b>	<b>Management Features</b>
7.1	Controller should be having administration access through HTTPS GUI, SSH CLI. HTTPS GUI should be able to present a customizable dashboard with information on the status of the network.
7.2	Administrative users should have account security features such as session idle timer, account lockout, password expiration/recovery, password reuse policy, two factor authentications. Should have option to enable captcha to make sure a human is logging into the system.
7.3	Controller should have library of well-documented REST-APIs and full set of MQTT/GPB to allow integration with 3rd party apps.
7.4	Switches and Access points can discover Controllers across Layer-3 network through DHCP or DNS option. Controller should have Mobile App for Smartphone to provision APs.

7.5	The Controller should support the ability to create different zones in which AP/Switch can be grouped logically or physically based on location e.g. different buildings in a campus can be configured as different zones so that each zone will have different configuration and policies.
7.6	Controller should be able to raise critical alarms by sending an email. The email client on the Controller should support SMTP outbound authentication and TLS encryption.
7.7	Should support centralized & flexible licensing. Customer should be able to assign AP and Switch licenses to required controller as per requirement flexibly.
<b>8</b>	<b>Mandatory Compliance:</b>
8.1	All categories of Controller, Switches and Access Point should be from same OEM
8.2	If any of the features above require separate license, it should be quoted along with Controller.
<b>9</b>	<b>Warranty</b>
9.1	Controller should be quoted with TAC Support and Warranty for 3 years with NBD Hardware Replacement. Controller should have limited lifetime support.
<b>10</b>	<b>Product brochure</b>
10.1	Vendor should provide printed technical catalogs/brochures for the quoted model containing technical specifications, features. Should also provide Manufacturer's Authorization.
<b>11</b>	<b>BOQ</b>
11.1	a) Network Controller - 1 no's
11.2	b) AP licenses - 320 no's
11.3	c) Any additional feature licenses required as per specifications
11.4	d) Any additional component of integrated solution needs to be included to support features as per specifications.

### WiFi 6 Indoor AP – 20 number

S. No	Specification / Requirement
<b>1</b>	<b>Product details- Please specify</b>
1.1	Please mention Make, Model No. and Part Code
<b>2</b>	<b>Radio Specifications</b>
2.1	Access Point should be dual-band, dual-radio indoor access point
2.2	AP should have 6 antennas for transmission and receiving (4x4:4 + 2x2:2) and four (4) in total spatial streams. Should support MU-MIMO.
2.3	AP should support IEEE 802.11 a/b/g/n/ac/ax amendments.
2.4	AP should provide 22dBm peak transmit power on both radios, -95 dBm receive sensitivity.
2.5	It should have adaptive antenna technology for performance optimization and interference mitigation features. Antenna should provide Extended coverage utilizing multi-directional antenna patterns. Polarization Diversity with Maximal Ratio Combining (PDMRC).
2.6	Antenna should dynamically choose antenna patterns in real-time environment to establish the best possible connection with every device. Should support at least 50 antenna patterns combinations.
2.7	Antenna should direct the radio signals per-device on a packet-by-packet in real-time to support high device density environments. Should have 3 dBi gain. Antenna operates without the need for device feedback to support devices using legacy standards.
<b>3</b>	<b>Interface and Power Requirements</b>
3.1	AP should have 2x1Gbps RJ-45 based Ethernet PoE port.

3.2	It should have less than 18.95Watts power consumption for full functionality including USB port on PoE
3.2	Should support 12V DC power input.
3.2	Should have onboard IoT radio. Should have option to add modular IoT radio using USB port. Both onboard and modular IoT radios should support BLE and Zigbee protocols.
<b>4</b>	<b>Networking Requirements</b>
4.1	AP should have capacity to handle minimum 500 Concurrent devices.
4.2	AP should be flexible hardware to be deployed as Standalone, Controller-less (Cluster), Controller-based, Cloud-based.
4.3	Should have IPv6 support, IEEE 802.1Q, Band balancing, airtime fairness, QoS, L2/L3/L4 ACL
4.5	AP should be able to act as sensor for WIPS, Location analytics engine and Network analytics engine.
4.6	APs should be site survivable. Configuration should be possible to configure as such if controller goes down, still APs should be able to handle client traffic.
<b>5</b>	<b>Security &amp; Monitoring</b>
5.1	AP should support AES256 encrypted GRE-based tunnel for data forwarding.
5.2	AP Should support auth/encryption methods for WLAN configuration: Open, WEP, WPA2-AES, DPSK, WPA3-SAE, WPA3-OWE, IEEE 802.1X/EAP, AAA, AES-GCMP-256. It should also support Role-Based Access Control, rate-limiting, device fingerprinting, 802.11w MFP and 802.11r Fast roaming.
<b>6</b>	<b>Management Features</b>
7.1	AP should be having administration access through HTTPS GUI, SSH CLI. It should provide WLAN configuration for standalone operation and provisioning tools for controller/cloud operations. If controller config disallows GUI/CLI access it should follow same.
7.2	AP should support Zap network speed testing tool. Bidder should provide software for both computers and mobile during installation.
7.3	AP should have recovery SSID for easy access to CLI console when AP is unreachable through network.
<b>8</b>	<b>Mandatory Compliance:</b>
8.1	All categories of Controller, Switches and Access Point should be from same OEM. AP should be quoted with metal based hard-ceiling, wall mounting kits.
8.2	Should have Kensington lock and Plenum rating.
8.3	Should have operating temperature of 0-40 °C
8.4	AP hardware should have been approved by Wireless Planning Commission (TRAI, Govt of India). ETA certificate should be submitted. Wi-Fi alliance certification also mandatory.
<b>9</b>	<b>Warranty</b>
9.1	AP should have Limited Lifetime Warranty.
<b>10</b>	<b>Product brochure</b>
10.1	Vendor should provide printed technical catalogs/brochures for the quoted model containing technical specifications, features. Should also provide Manufacturer's Authorization.
<b>11</b>	<b>BOQ</b>
11.1	a) Indoor Access Point - 20 no's
11.2	b) Hard Ceiling and Wall mounting kits (Metal) - 20 no's
11.3	c) Any additional feature licenses required as per specifications
11.4	d) Any additional component of integrated solution needs to be included to support features as per specifications.

## WiFi-6 Indoor AP – 300 number

S. No	Specification / Requirement
<b>1</b>	<b>Product details- Please specify</b>
1.1	Please mention Make, Model No. and Part Code
<b>2</b>	<b>Radio Specifications</b>
2.1	Access Point should be dual-band, dual-radio indoor access point
2.2	AP should have 4 antennas for transmission and receiving (2x2:2 + 2x2:2) and six (6) in total spatial streams. Should support MU-MIMO.
2.3	AP should support IEEE 802.11 a/b/g/n/ac/ax amendments.
2.4	AP should provide 22dBm peak transmit power on both radios, -93 dBm receive sensitivity.
2.5	It should have adaptive antenna technology for performance optimization and interference mitigation features. Antenna should provide Extended coverage utilizing multi-directional antenna patterns. Polarization Diversity with Maximal Ratio Combining (PDMRC).
2.6	Antenna should dynamically choose antenna patterns in real-time environment to establish the best possible connection with every device. Should support at least 50 antenna patterns combinations.
2.7	Antenna should direct the radio signals per-device on a packet-by-packet in real-time to support high device density environments. Should have 3 dBi gain. Antenna operates without the need for device feedback to support devices using legacy standards.
<b>3</b>	<b>Interface and Power Requirements</b>
3.1	AP should have 1x2.5Gbps RJ-45 based Ethernet PoE port.
3.2	It should have less than 21.95Watts power consumption for full functionality including USB port on PoE
3.2	Should support 12V DC power input.
3.2	Should have onboard IoT radio. Should have option to add modular IoT radio using USB port. Both onboard and modular IoT radios should support BLE and Zigbee protocols.
<b>4</b>	<b>Networking Requirements</b>
4.1	AP should have capacity to handle minimum 500 Concurrent devices.
4.2	AP should be flexible hardware to be deployed as Standalone, Controller-less (Cluster), Controller-based, Cloud-based.
4.3	Should have IPv6 support, IEEE 802.1Q, Band balancing, airtime fairness, QoS, L2/L3/L4 ACL
4.5	AP should be able to act as sensor for WIPS, Location analytics engine and Network analytics engine.
4.6	APs should be site-survivable. Configuration should be possible to configure as such if controller goes down, still APs should be able to handle client traffic.
<b>5</b>	<b>Security &amp; Monitoring</b>
5.1	AP should support AES256 encrypted GRE-based tunnel for data forwarding.
5.2	AP Should support auth/encryption methods for WLAN configuration: Open, WEP, WPA2-AES, DPSK, WPA3-SAE, WPA3-OWE, IEEE 802.1X/EAP, AAA, AES-GCMP-256. It should also support Role-Based Access Control, rate-limiting, device fingerprinting, 802.11w MFP and 802.11r Fast roaming.
<b>6</b>	<b>Management Features</b>
7.1	AP should be having administration access through HTTPS GUI, SSH CLI. It should provide WLAN configuration for standalone operation and provisioning tools for controller/cloud operations. If controller config disallows GUI/CLI access it should follow same.

7.2	AP should support Zap network speed testing tool. Bidder should software for both computers and mobile during installation.
7.3	AP should have recovery SSID for easy access to CLI console when AP is unreachable through network.
<b>8</b>	<b>Mandatory Compliance:</b>
8.1	All categories of Controller, Switches and Access Point should be from same OEM. AP should be quoted with metal based hard-ceiling, wall mounting kits.
8.2	Should have Kensington lock and Plenum rating.
8.3	Should have operating temperature of 0-40 °C
8.4	AP hardware should have been approved by Wireless Planning Commission (TRAI, Govt of India). ETA certificate should be submitted. Wi-Fi alliance certification also mandatory.
<b>9</b>	<b>Warranty</b>
9.1	AP should have Limited Lifetime Warranty.
<b>10</b>	<b>Product brochure</b>
10.1	Vendor should provide printed technical catalogs/brochures for the quoted model containing technical specifications, features. Should also provide Manufacturer's Authorization.
<b>11</b>	<b>BOQ</b>
11.1	a) Indoor Access Point - 300 no's
11.2	b) Hard Ceiling and Wall mounting kits (Metal) - 300 no's
11.3	c) Any additional feature licenses required as per specifications
11.4	d) Any additional component of integrated solution needs to be included to support features as per specifications.

### Network Switches – 60 number

S. No	Specification / Requirement
<b>1</b>	<b>Product details- Please specify</b>
1.1	Please mention Make, Model No. and Part Code
<b>2.0</b>	<b>Architecture &amp; Port Density</b>
2.1	Switch should offer Wire-Speed Non-Blocking Switching & Routing Performance at Layer 2 & Layer 3.
2.2	The Access Switch should have Forty Eight (48) 1GbE PoE+ RJ45 ports, 2x1G RJ-45 uplink ports and should have Two 1GbE/10GbE SFP+ Slots. Switch should have option to add 2 more 10G ports by licenses upgrade.
2.3	Access Switch should support Stacking up to 12 Switches with more than 40 Gbps stacking bandwidth per Switch. Mixed mode Stacking should be supported where 1G, 2.5G and fiber switches stacked together.
2.4	Should have 1GB RAM and 2 GB Flash and USB-C type console port.
<b>3.0</b>	<b>Performance</b>
3.1	Switching Bandwidth: Should provide Non-Blocking switch fabric capacity of 180 Gbps or more.
3.2	Forwarding Capacity: Should provide wire-speed packet forwarding of 134 Mpps or more.
<b>4.0</b>	<b>Layer 2 features</b>
4.1	Should support 4K VLANs.
4.2	Should support 16K MAC addresses or more.
4.3	Shall support IP multicast snooping with support for IGMP v1, v2, v3 and MLD v1 & v2

4.4	Should support Jumbo Frames (up to 9K bytes)
<b>5.0</b>	<b>Layer 3 features</b>
5.1	Should support minimum 1K IPv4 routes or more
5.2	Should support Basic IPv4 and IPv6 Static Routing, ECMP, Host Routes, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1. Should have support for VRRP-E and VSRP.
5.3	Should have an optional upgrade path, preferably software licensed based, to support the following Dynamic IPv4 & IPv6 Routing protocols and Multicast Routing Protocols.
5.3a	Dynamic IPv4 and IPv6 Routing protocols like RIP v1&v2, RIPng, OSPFv2, OSPFv3, VRRPv2 & VRRPv3.
5.3b	PIM-SSM, PIM Sparse, PIM Dense, PIM Anycast RP, and PIM passive IPv4 multicast routing
5.3c	PIM-SSM, PIM Sparse, PIM Anycast RP and PIM6-SM Snooping IPv6 multicast routing
<b>6.0</b>	<b>Security</b>
6.1	Switch should support RADIUS, TACACS/TACACS+ and username/password for Authentication, Authorization and Accounting (AAA) with Local User Accounts and Local User Passwords.
6.2	Should support secure communications to the management interface and system through SSL, Secure Shell (SSHv2), Secure Copy and SNMPv3.
6.3	Should support IP Source Guard, DHCP snooping, DHCPv4, DHCPv6 and Dynamic ARP Inspection.
6.4	Should support IPv4 and IPv6 ACLs with up to 500 rules per ACL and a minimum of 6K rules per system (Standalone Switch or Stack).
6.5	Should support Byte and packet-based broadcast, multicast, and unknown-unicast limits with suppression port dampening.
6.6	Should support IPv6 Router Advertisement (RA) Guard.
6.7	Should support Flexible Authentication with 802.1x Authentication and MAC Authentication.
<b>7.0</b>	<b>Manageability</b>
7.1	Should support manageability using Network Management Software with Web based Graphical User Interface (GUI), Integrated Standard based Command Line Interface (CLI). Hardware should support Standalone, Stackable, Fabric and Cloud based deployments. Should have single IP management for up to 36 switches in fabric mode deployments.
7.2	Should support ANSIBLE automation tools, REST-ful API. Should be centrally monitored and controlled by Network Controller.
7.3	Should support NetFlow or sFlow or equivalent. Should support OpenFlow 1.3 with OpenDayLight Controller.
<b>8.0</b>	<b>Physical Attributes &amp; PoE Power Budget</b>
8.1	Mounting Option: 19" Universal rack mount ears
8.2	PoE Power Budget: The Switch should provide 720 watts of PoE+ power.
<b>9.0</b>	<b>Mandatory Compliance:</b>
9.1	All categories of Switches, Transceivers & Switch OS should be from same OEM
<b>10.0</b>	<b>Warranty</b>
10.1	Switch should be quoted with TAC Support and Warranty for 3 years with NBD Hardware Replacement. Switches should have limited lifetime support.
<b>11.0</b>	<b>Product brochure</b>
11.0	Vendor should provide printed technical catalogs/brochures for the quoted model containing technical specifications, features.
<b>12</b>	<b>BOQ</b>
12.1	a) Access PoE Switch - 60 no's
12.2	b) India Power cord- 60 no's

12.3	c) 10G Single mode (10KM)transceivers - 20
12.4	c) Any additional feature licenses required as per specifications
11.4	d) Any additional component of integrated solution needs to be included to support features as per specifications.

#### General Requirements

1. OEM Should have local TAC support office in India.
2. OEM should be in Switching and Wi-Fi business for at least 5 years in Worldwide and India.
3. OEM should quote all the above items with 3 years warranty.

**NOTE: Vendors should give point by point compliance to the specification. Otherwise Offer will be rejected.**

**CHAPTER-5 PRICE SCHEDULE**

<b>CHAPTER:5 PRICE SCHEDULE</b>								
<b>Sl. No.</b>	<b>Item Description</b>	<b>Quantity</b>	<b>Units</b>	<b>BASIC RATE (Per Unit) In Figures To be entered by the Bidder in Rs. P</b>	<b>GST %</b>	<b>GST Amount</b>	<b>TOTAL AMOUNT Without Taxes in Rs. P</b>	<b>TOTAL AMOUNT With Taxes</b>
1	48 Port PoE + Switches	60	Nos					
2	4x4 MIMO Access Point	20	Nos					
3	2x2 MIMO Access Point	300	Nos					
4	Single Mode Fiber Module 10Km	10	Nos					
5	Network Controller	1	No					



**FORMAT/QUESTIONNAIR FOR COMPLIANCE OF TERMS AND CONDITIONS**

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

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

**NOTE:**

1. **Quotation will not be considered without submission of this format.**
2. **If a particular question is not at all applicable please write NA in compliance part in Col. No. 4 below.**
3. **Kindly see the relevant terms & conditions of the tender document in each question before replying to the questions mentioned in Col. 2 below).**

SNo	Terms & condition of Tender document	Whether acceptable (say ‘Yes’ or ‘No’ (preferably use different colour ink for ‘No’)	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
1	2	3	4
1	a.) Whether quotation is direct from Principal supplier/manufacturer or their own office in India (Please specify)		
	b) Whether quotation is being submitted by Indian Agent/authorized distributor/ dealer		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
	c) Whether the agent is registered with NSIC/MSME		
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		
	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 Annexure –'C'		
	c) Pre-receipted bill for refund of EMD is enclosed (for bank drafts only)		
4	a. If the prices are on Ex-Works basis or FOB (names port of shipment ) or FCA (named place of delivery abroad)		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
	b. Whether specific amounts or percentage of expenses like packing, forwarding, handling, freight, insurance, documentation etc. have been mentioned in quotation separately in clear terms.		
5	a) Whether prevailing rates of sales tax, excise duty & other govt. levies (for indigenous supplies) have been given in quotation		
6	Have you mentioned the validity period of the quotation as per our requirements		
7	a) Whether the Price reasonability Certificate is submitted with quotation		
	b) Whether copies of last three supply orders of the same item from other customers have been attached with the quotation		
8	Whether rates/amount of AMC after the warranty period is over has been mentioned		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
9	Have you gone through the specification Clause & complied with the same		
10	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		
11	Whether compliance statement of specifications has been attached with the quotation.		
12	a) Whether the delivery period for supply of the items has been mentioned		
	b) Whether mode of delivery & tentative size & weight of the consignment has also been indicated		
13	Do you agree to the submission of Performance Bank Guarantee and have you mentioned in your quotation about this.		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
14	a) Do you agree with the payment terms for indigenous supplies?		No deviation permitted
	b) Do you agree with the payment terms for imports supplies?		
15	Do you agree about the date of commencement of warranty period & its extension is necessary.		
16	a) Who will install/commission and demonstrate the equipment <b>at IISER Tirupati, permanent campus FREE OF COST.</b>		
	b) Will you be able to do it within a month		
17	Have you mentioned the guarantee/warranty period in your quotation and do you agree with guarantee clause?		
18	Spare parts		
19	After Sales service		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
20	a) Do you agree that on receipt of material in damaged condition or short supply you will replace the same on CIF basis, free of cost pending the settlement of the insurance claim?		
	b) Do you agree with the clause of physical inspection?		
21	Whether list of specific user's for the same item & model as quoted along-with performance certificates from the users is submitted with offer		
22	Whether you agree to the penalty clause for late delivery & installation?		
23	Whether training to our scientist/technical person <b>will be given free of cost</b> . If yes, have you specified in quotation whether it will be in our lab? Or at supplier's site in India or abroad.		
24	a) Whether all the pages have been page numbered?		
	b) Whether quotation has been signed and designation & name of signatory mentioned.		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
25	Whether documentary evidence of bidders as given in Eligibility Criteria submitted		

**FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS**

S. N.	Name of specifications/ part / Accessories of tender enquiry	Specifications of quoted Model/ Item	Compliance Whether "YES" Or "NO"	Deviation, if any, to be indicated in unambiguous terms	Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>



**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



**MANUFACTURER’S AUTHORIZATION FORM**

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that re binding on the Manufacturer]

Date: [Insert date (as Day, month and year) of Bid submission]

Tender No.: [Insert number from Invitation for Bids]

To: [Insert complete name and address of Purchaser]

WHEREAS

We [insert completer name of Manufacturer], who are official manufacturers of [Insert type of goods manufactured] having factories at [insert full address of Manufacturer’s factories], do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following goods, manufactured by us [insert name and or brief description of the goods], and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee and warranty in accordance with the Terms and Conditions of Contract with respect to the Goods offered by the above firm.

Signed: [insert signature(s) of authorized representative(s) of the Manufacturer]

Name: [insert complete name(s) of authorized representative(s) of the Manufacturer]

Title: [insert title]

Duly authorized to sign this Authorization on behalf of: [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_ [insert date of signing]



**PREVIOUS SUPPLY ORDERS FORMAT**

Name of the Firm \_\_\_\_\_

Order placed by <i>{ Full address of Purchaser }</i>	Order No. and Date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any and justification for price difference of their supply order & those quoted to us.	Has the equipment been installed satisfactorily?	Contact Person along with Telephone no., Fax no. and e-mail address.

Signature and Seal of the Manufacturer/ bidder .....

Place:

Date:



**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                   1) Limited Company  
(tick on appropriate option ) 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 : \_\_\_\_\_  
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: \_\_\_\_\_

**CERTIFICATE**  
**(To be provided on letter head of the firm)**

I hereby certify that the above firm neither blacklisted by any Central/State Government/Public Undertaking/Institute nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India.

I also certify that the above information is true and correct in any every respect and in any case at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

**Date:**

**Authorized Signatory**

**Name:**

**Place:**

**Designation:**

**Contact No.:**

**DETAILS OF THE ACCOUNT HOLDER**

Name of the Account Holder A As per Bank records)	Indian Institute of Science education and Research Tirupati
Account Number of the above account	35029946671
Complete contact address	IISER Tirupati, Karakambadi Road, Mangalam (B.O.), Tirupati – 517507
Telephone No.	0877 - 2500400
Fax No.	0877 - 2500250
E-mail	director@iisertirupati.ac.in

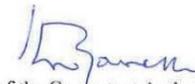
**BANK ACCOUNT DETAILS**

Bank name ( Full)	State Bank of India
Branch name	Korlagunta Branch, Tirupati
Complete Contact address	20-3-124, Penumadi towers, Leela mahal circle, Tirupati.
Telephone No.	0877-2251408
E-mail	sbi.01901@sbi.co.in
9-digit code No. of Bank & Branch	517002004
Account Number	35029946671
Account Type (SB/ CURRENT/CASH/CREDIT Etc)	CURRENT
IFSC code No. of the Bank	SBIN0001901

Certified that the Institute's account is on RTGS enabled branch.

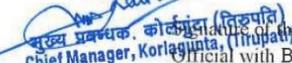
I hereby declare that the particulars given above are correct and complete.

Date: 14 Dec 2017

  
Signature of the Competent Authority  
of the Institute  
भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति  
Indian Institute of Science Education and Research Tirupati  
Tirupati - 517507, भारत/India.

Certified that the particulars furnished above are correct and complete.

Date: 14/12/2017

  
For STATE BANK OF INDIA  
  
मुख्य प्रबंधक, कोरलगुन्टा (तिरुपति)  
Chief Manager, Korlagunta, (Tirupati)  
Official with Bank seal.

Please attach a photocopy of cheque (if possible) along with the verification obtained from the bank.



## 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 \_\_\_\_\_ 2020 between the Indian Institute of Science Education & Research, Karakambadi Road, Mangalam , 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 procure Supply, Installation & Commissioning of Dual Beam Optical Tweezers and the BIDDER / Seller is willing to offer / has offered the stores and

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:

### **Commitments of the BUYER**

- 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, favour 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.

### **Commitments of BIDDER**

3. 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:
  - 3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, Consideration, gift, reward, favour, 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.
  - 3.2 The BIDDER further undertakes that he has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, 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 favour or disfavour to any person in relation to the Contract or any other Contract with respect to the BUYER's Organization.

- 3.3 BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 3.4 BIDDERS shall disclose the payments to be made by them to agents/brokers on any other intermediary, in connection with this bid/contract.
- 3.5 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.
- 3.6 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.
- 3.1 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.
- 3.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 3.8 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.
- 3.9 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 3.10 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.



3.11 If the BIDDER or any employee of BIDDER or 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.

#### **4. Previous Transgression**

- 4.1 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.
- 4.2 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.

#### **5. Earnest Money/Security Deposit**

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

- i. Bank Draft or a Pay Order in favour 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.

- 5.2. The Earnest Money/Security Deposit shall be valid up to a period of five years or the complete conclusion of contractual obligations to complete satisfaction of both the BIDDER and the BUYER, including warranty period, whichever is later.
- 5.3 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.



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

## **6. 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 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.

(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 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 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.

6.2 The BUYER will be entitled to take or any of the actions mentioned at para 6.1 (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.

6.3 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.

## **7. Fall Clause**

7.1 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 Defence/ Public Sector Undertakings/Public sector undertakings/Ministry of Defence and if it is found at any stage that the similar system or sub-system was supplied by the BIDDER to any other Defence Public Sector Undertakings/Public Sector Undertaking/Ministry of Defence at a lower price, then that very price, with 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.

## **8 Independent External Monitor(s)**

8.1 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.

8.2 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.

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

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

8.5 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.



8.6 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.

8.7 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.

8.8 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.

### **9. 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.

### **10. Law and Place of Jurisdiction**

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

### **11. 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

### **12. Validity**

12.1 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.

12.2 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



13 The Parties hereby sign this Integrity Pact at \_\_\_\_\_ on \_\_\_\_\_

**BUYER**

Name of the Officer  
Designation  
IISER Tirupati

**BIDDER**

Witness

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

2 \_\_\_\_\_

Witness

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

2 \_\_\_\_\_

**CHECKLIST FOR BIDDER**

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

<b>Envelope-1(Technical-Bid)</b> (Following documents to be provided as single PDF file)				
Sl. No.	Documents	Content	File Types	Document Attached
1	Technical Bid	Scan copies of both Tender Fee of Rs.1,000/- and EMD of Rs. 5,50,000.00	.PDF	( Yes /No )
2		Format of compliance statement of specification as per Annexure-‘B’	.PDF	( Yes /No )
3		Bid security Form as per Annexure-‘C’(as applicable)	.PDF	( Yes /No )
4		Manufacturer’s Authorization Form as per Annexure-‘D’	.PDF	( Yes /No )
5		Previous Supply Order Format as per Annexure-‘E’	.PDF	( Yes /No )
6		Bidder Information form as per Annexure-‘F’	.PDF	( Yes /No )
7		Blacklist certificate as per Annexure-‘G’	.PDF	( Yes /No )
8		A copy of the Un-priced Commercial bid	.PDF	( Yes /No )
9		List of deliverables as per Chapter- 4	.PDF	( Yes /No )
10		Self-Attested copy of GST Number (as applicable)	.PDF	( Yes /No )
11		Tender Terms & Conditions Acceptance signed with official seal is attached	.PDF	( Yes /No )
12		Solvency certificate for Rs 44.00 Lakhs(Forty Four Lakh) (not older than twelve months) issued by scheduled/nationalized bank with which BIDDER holds the current account	.PDF	( Yes /No )
<b>Envelope-2(Financial-Bid)</b>				
Sl. No.	Documents	Content	File Types	Document Attached
1	Financial Bid	Price bid should be submitted in Excel (BOQ) Format	.xls	( Yes /No )



### **IMPORTANT NOTICE**

TENDERERS RESPONDING TO THIS ENQUIRY SHALL BE DEEMED TO BE AGREEABLE TO THE TERMS AND CONDITIONS HEREIN CONTAINED. THESE TERMS AND CONDITIONS SHALL BE BINDING ON THE SUCCESSFUL TENDERER. CONDITIONAL TENDERS ARE LIABLE TO BE REJECTED. IISER TIRUPATI WILL PROCESS THE TENDER AS PER IISER TIRUPATI STANDARD PROCEDURES. THE DIRECTOR OF THE INSTITUTE RESERVES THE RIGHT TO REJECT ANY OR ALL OR PART OF TENDER WITHOUT ASSIGNING ANY REASON AND SHALL ALSO NOT BE BOUND TO ACCEPT THE LOWEST TENDER. IISER TIRUPATI WOULD NOT BE UNDER ANY OBLIGATION TO GIVE ANY CLARIFICATIONS TO THE AGENCIES WHOSE BIDS ARE REJECTED.

I agree to all terms and conditions mentioned in the tender document of the Institute

Signature of the Tenderer