

**GLOBAL OPEN TENDER**

Date: **12.02.2024**

Global Open Tender Ref. No: **IITH/SATHI/SRKM/2023/G/T073**

Indian Institute of Technology Hyderabad invites bids in Two bid systems, from OEM/Authorized distributors/Authorized dealers of the following categories for the following item.

Category of Suppliers invited for this Tender.

- i) Class I local Supplier – has local content equal to or more than 50%
- ii) Class II local Supplier – has local content equal to 20% but less than 50%
- iii) Non-Local Supplier – has local content less than 20%

Item Description	Qty	Tender fee (incl.GST 18%)	EMD
1. <b>Ultra-High Resolution Analytical Transmission Electron Microscope with large pole piece gap with aberration correctors with EDX, 4D-STEM, EELS detector</b>	1	<b>INR - 2,360/-</b> Or Equivalent in Euro USD	<b>INR – 46,00,000 /-</b> Or Equivalent in Euro USD

The Tender Document can be downloaded from <https://eprocure.gov.in/epublish/app> OR Institute website- <https://iith.ac.in/tenders>

**Schedule of Dates**

Sr.No	Particulars	Date	Time
1	Date of Online Publication/ Download of Tender from CPPP/Institute website	<b>12.02.2024</b>	<b>05:00 PM</b>
2	Bid Submission Start Date	<b>12.02.2024</b>	<b>05:15 PM</b>
3	Bid Submission Close Date	<b>04.03.2024</b>	<b>11:00 AM</b>
4	Opening of Technical Bids	<b>04.03.2024</b>	<b>12:05 PM</b>

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## **INSTRUCTIONS FOR ONLINE BID SUBMISSION**

The Bidders are requested to forward the password protected Technical Bid and password protected Price Bid to the following email IDs on or before the due date. The Proof of the EMD/Tender Fees paid should also be attached. In all, there should be three attachments

- i) Technical Bid with all the Details and Annexures (password protected)
- ii) Price Bid /Commercial Bid (password protected)
- iii) Payment Details of the EMD/Tender Fees paid

The Passwords should be different for the Technical Bid and Price Bid. If the Technical Bid is exceeding the size limit for attachment, it can be split into different files (e.g. Tech Bid 1, Tech Bid 2 , so on and so forth)

**Indentor Mail id: [srkm@msme.iith.ac.in](mailto:srkm@msme.iith.ac.in)**

[hos.snp@iith.ac.in](mailto:hos.snp@iith.ac.in)

[ar.purchase@iith.ac.in](mailto:ar.purchase@iith.ac.in)

[ar.stores@iith.ac.in](mailto:ar.stores@iith.ac.in)

After the due date & time of submission of bids, the bidders will receive mail from any of the above email IDs requesting to share the password of the Technical Bid. The password will be shared only on receipt of the mail from above IDs after the due date and not prior to that.

Once the bidders are technically qualified, the password for the Price Bid will be sought from the above mentioned email IDs.

Parallelly, **the hard copies of the specified documents (point iii and v below) should be forwarded to the following address mandatorily.**

Indian Institute of Technology, Hyderabad  
Stores & Purchase Section  
Room No 218  
Academic Block A  
Kandi, Sangareddy 502 285

The Envelope should be marked with the Tender No - **IITH/SATHI/SRKM/2023/G/T073**

## CHAPTER-1 INVITATION FOR TENDER OFFERS

Indian Institute of Technology Hyderabad invites bids in Two bid system, from OEM/Authorized distributors/Authorized dealers of the following categories for the following item.

### **Item: Supply, Installation, Commissioning & Demonstration of tip-enhanced Raman Scattering (TERS) Spectroscopy System**

Category of Suppliers invited for this Tender

- 1) Class I local Supplier – has local content equal to or more than 50%
- 2) Class II local Supplier – has local content equal to 20% but less than 50%
- 3) Non Local Supplier – has local content less than 20%

#### **1. The Bidders are requested to give detailed tender in Two Bids** i.e.

- a) Part – I: Technical
- b) Part – II: Commercial Bid

#### **2. Date & Time Schedule**

Sr. No	Particulars	Date	Time
1	Date of Online Publication/Download of Tender	As mentioned above	
2	Bid Submission Start Date		
3	Bid Submission Close Date		
4	Opening of Technical Bids		

Supply means: “Supply, Installation, Commissioning and satisfactory demonstration of the whole system and training”. If any charges extra are payable for Installation, Commissioning and training, the same should be specified in the commercial offer.

#### **3. Availability of Tender**

The Tender Document can be downloaded from **Central Public Procurement (CPP) Portal** <https://eprocure.gov.in/epublish/app> **OR** Institute website- <https://iith.ac.in/tenders>

#### 4. The Process for Submission of the Bid

Mentioned above in “INSTRUCTIONS FOR ONLINE BID SUBMISSION”

**4.1 The Attachment No.1** will be a single pdf file or can be split into multiple files (Tech Bid 1, Tech Bid 2....)

**i) UnPriced Commercial Bid as per Chapter 5**

**ii) Annexures as below:**

- a) Compliance statement of specifications as per **Annexure- ‘A’**.
- b) Bid Securing Declaration Form as per **Annexure- ‘B’**.
- c) Manufacturer authorization as per **Annexure –‘C’**.
- d) Previous Supply Order List Format as per **Annexure –‘D’**.
- e) Bidder Information Form as per **Annexure –‘E’**.
- f) Declaration Regarding Clean Track/No Legal Action as per **Annexure –‘F’**.
- g) Acceptance of Tender Terms as per **Annexure – ‘G’**
- h) Relation Certificate – as per **Annexure – ‘H’**
- i) Local Content Declaration as per **Annexure – ‘I’**
- j) Certificate as per DPIIT Order – as per **Annexure ‘J’**
- k) Format of Performance B G - as per **Annexure ‘K’**
- l) Integrity Pact – As per **Annexure ‘L’**

**iii) Technical Documents/Brochures etc for the model quoted (hard copy also to be submitted).**

**iv) Copy of GST/ PAN 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 NISC/MSME/Udyam Adhaar registration wherever it is applicable should also be provided in the Technical Bid.

**v) Technical literature/ leaflets** and complete specifications of quoted model(s) along with commercial terms and conditions **(hard copy also to be submitted).**

**vi) In case of exemption** from submission of Bid security, proof of registration with NSIC/MSME or appropriate authority.

**vii) Details of supplies of similar Works/Supplies** along with photocopies of previous Purchase orders and details of place of supply along with contact details

**viii) Check List**

#### 4.2 The Attachment No. 2

(a) **Tender Fees:** Tender Fees of **Rs. 2,360/- (including 18% GST)** in the form of Demand Draft/Banker's cheque in the name of Director IIT Hyd, should be submitted. The Demand Draft/Banker's Cheque in original should be posted/couriered/handed over in person to the Stores & Purchase Section of IIT Hyd, before the last date of Opening of Technical Bid. In case of non-receipt of original document before the due date of opening of technical bid, the uploaded bid will be summarily rejected.

(b) **Earnest Money Deposit (EMD):** **Rs. 46,00,000/-** in the form of Insurance Surety Bonds, Account Payee, Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank guarantee from any commercial/scheduled Banks in the name of Director, IIT Hyd valid for 180 days from the date of opening of the tender .

The BG/Demand Draft/FD/Bankers Cheque in original (other than online payment) should be posted/couriered/handed over in person to the Stores & Purchase Section of IIT Hyd, before the last date of opening of Technical Bid. In case of non-receipt of original document before the due date of opening of technical bid, the uploaded bid will be summarily rejected.

**For Online Payment of EMD & Tender Fees :** The EMD and Tender Fees can be also be paid online , the bank details are as follows:

Name of the Bank & IIT Hyderabad	Account Number	SWIFT CODE	IFSC CODE	Tender Fees Amount	EMD Amount
SBI	30412797764	SBININBB762	SBIN0014182	Rs. 2,360/- (including 18% GST)  INR or Equivalent in USD EURO	Rs. 46,00,000/-  INR or Equivalent in USD EURO

**The Online payment proof needs to be *uploaded* along with the Technical Bid as Attachment 2**

**The firm registered with NSIC/MSME/Udyam Adhaar must give proof of registration along with their quotation failing which the bid will not be considered.**

**EXEMPTION** from submission of EMD/Tender Fees against valid and relevant NSIC /MSME Certification is permitted, however it shall be subject to scrutiny by the IITH and if during scrutiny, it is found that the NSIC Certificate is invalid and/or irrelevant, then that bid is liable to be rejected

as “not-accompanying EMD”. Therefore, Bidders claiming exemption from EMD/Bid Securing Declaration against NSIC certificate, should ensure the same carefully, while submission of their bids.

**Note:** If in the view of bidder, any exemption/relaxation is applicable to them from any of the eligibility requirements, under any Rules/Guidelines/Directives of Government of India, bidder may submit their claim for the applicable exemption/relaxation, quoting the valid Rule/Guidelines/ Directives with a copy of such notification. In this case the bidder must submit necessary and sufficient documents along with the technical bid, in support of their claim. The relevant and valid certificates in support of claim of exemption must be submitted along with the Technical Bid.

- 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 Proforma invoice of their principals for this tender.
- ii) The successful Bidder, on award of contract / order, must send the contract / order acceptance in writing, within 15 days of award of contract.
- iii) Bids submitted without Bid Securing Declaration / relevant MSME/NSIC Certificates will be rejected & no correspondence in this regard shall be entertained.
- iv) Any Exemptions under MSE Policy is meant for procurement of only goods produced and services rendered by MSEs. Traders/ distributors/ sole agent/ Works Contract are excluded from the purview of the policy.

#### 4.3 Technical Specifications:

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.

#### 4.4 Compliance Statements:

- i) Bidders must furnish a Compliance Statement of each and every required Specification of our tender in the format at **ANNEXURE-‘A’**. The deviations, if any, from the tendered specifications should be clearly brought out in the statement. Technical literature/leaflet showing the compliance of the specification may also be attached with the quotation.
- ii) The firms are advised to submit the compliance statements essentially along with their quotation failing which their offer will not be considered.

### 5. **The Attachment No. 3 - Commercial Bid**

- i.) Cost of all the items should be mentioned clearly and individually in the Commercial Offer (Part-II) only. The price should include all the items as per Chapter 4

- ii) The Bidders are requested to quote for concessional Price for Equipment and software, since IITH is an educational institution of national importance and is entitled for a concessional price.
- 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 Principals / Manufacturers and their Bankers details should be furnished.

**Note:**

- (i) No request for extension of the 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

**6. Corrigendum**

IIT Hyd may issue corrigendum to tender documents before the due date of submission of bid. The bidder is required to read the tender documents in conjunction with the corrigendum, if any, issued by IIT Hyd.

**7. Bid Opening and Evaluation Process**

- a. Technical Bids will be opened as per the Scheduled Date & Time.
- b. Financial Bids/Commercial Bids of the eligible bidders will be opened on a later date. The date and time for opening of Financial Bids /Commercial will be announced later.

**8. Technical Committee**

- (i) On the due date the Technical bids will be opened and referred to a duly constituted technical committee. The committee will go through the technical aspects of the tender and recommend short listed firms. The recommendation of the technical committee is final and binding on all the parties.
- (ii) The technical evaluation will be an assessment of the Technical Bid. IIT Hyd 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, IIT Hyd 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 will examine all the Technical aspects of the bids received. Further, the Technical Committee may seek additional information from the existing users at IIT Hyd or from other Institutes, these feedbacks will be considered for technical evaluation, the bidders will also be called for technical presentations, if required. The bidders if exempted from “prior experience & turnover” will also be required to provide the details of the previous supplies if asked for at the stage of technical evaluation to enable the technical committee to take feedback from the existing users of the bidders.
- (iv) 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.
- (v) After the technical evaluation is completed and approved, IIT Hyd shall inform the Bidders whose bids have been rejected technically with the reasons for rejection. The bidders will be given 48 hours to submit representation, if any.
- (vi) The successful Bidders will be informed regarding the date and time of Commercial bid opening.



(vii) In the event of seeking any clarification from various Bidders by IIT Hyd, the Bidders are required to furnish only technical clarifications that are asked for. No amendment to commercial bid will be entertained at any stage. In case a Bidder fails to quote for a particular item it amounts to non-compliance and hence such a 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, IIT Hyd will evaluate the Commercial Bid of only those Bidders who qualify in the Technical evaluation.

a) IIT Hyd shall be free to 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 Techno-Commercial bids i.e. Technical Bid in the case of two-part bidding.

c) The bids shall be evaluated on the basis of final landing cost.

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 mentioned under:

Towards customs duty and other statutory levies-as per applicable rates.

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 shortlisted firms, the firm quoting lowest price will be awarded with Contract/Purchase Order.

**10. The Director, IIT Hyd reserves the right to accept** the offer in full or in parts or reject summarily or partly and also reserves the right to cancel the tender at any stage without assigning reasons.

## 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/agent. In case of bid by authorized dealer/distributor/agent, the manufacturer authorization should be attached with the technical bid as per **Annexure-‘C’**.

**One Agent can participate in a tender on behalf of one manufacturer only. No offer will be entertained if the same 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) The bidder shall bear all costs associated with the preparation and submission of its bid irrespective of the conduct or outcome of the bidding process.

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

d) Before the deadline for submission of the bid, IIT Hyd 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 Institute website- <https://iith.ac.in/tenders> & CPPP Platform.

f) Conditional tenders will be summarily rejected.

### 2. Delivery Period/Timeliness

The delivery & installation must be completed within **09 (Nine) months** of the purchase order. The time is the essence of the contract. It is mandatory for the Bidders who respond to this bid to meet these expectations, as they are tightly linked to IIT Hyd plans of completing the project within the time frame.

### 3. Security Deposit

a. Within fifteen (15) days of the award of contract, the vendor shall furnish a Security Deposit amounting to 5% of the purchase order value in the form of Insurance Surety Bonds, Account Payee, Demand Draft, Fixed Deposit Receipt, Banker’s Cheque or Performance Bank guarantee from any commercial Banks or payment online of a scheduled bank in the name of Director, IIT Hyd favouring the Director, IIT Hyd.

b. The Security Deposit will be encashed/claimed if the vendor fails to execute the order as per the Purchase Order.

c. The Security Deposit should be valid for a period of warranty + 60 days, as the same will extend the same as Performance Bank Guarantee. Hence while preparing the BG, the time period required for delivery and installation and warranty + 60 days needs to be accounted for to cover the BG validity period.

d) This Security Deposit will be refunded to the vendor only on satisfactory completion of all contractual obligations as per this Tender and Purchase Order issued against this Tender.

e) Bank Guarantee wherever mentioned in this document may be read as “Bank Guarantee from any Scheduled Bank” only.

f) The Bank Guarantee issued by Indian Bank should be submitted in Hard Copy to IITH and the issuing Bank should send the IFN 760 COV Bank Guarantee Advice Messages to our bankers through SFMS (Structured Finance Messaging System) . Our Bank details are as follows:

Bank Guarantee issued by Foreign Bank: The Bank Guarantee issued by Foreign Bank should be sent to our Bankers via SWIFT MT760/Standby Letter of Credit. The copy of the SWIFT should be sent to IITH for verification by our bankers.

Name of Bank: Canara Bank  
Branch: IIT Kandi Campus  
Account No: 3458101000222  
IFSC Code: CNRB0003458  
SWIFT: CNRBINBBBFD

#### **4. 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 fulfilment of contractual obligations i.e. supply, installation, commissioning, warranty, maintenance/replacement of spares accessories etc. while submitting your bid, you may confirm this condition.

#### **5. Bid Validity Period**

- 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
- IIT Hyd 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 a request. A bidder agreeing to the request for extension will not be permitted to modify his bid.
- Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

#### **6. Award of contract**

- IIT Hyd, shall award the contract to the technically qualified eligible bidder whose bid has been determined as the lowest evaluated commercial bid.
- If more than one bidder happens to quote the same lowest price, IIT Hyd reserves the right to award the contract to more than one bidder or any bidder.

#### **7. IIT Hyd reserves the right to vary quantities at the time of Award**

- IIT Hyd 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 IIT Hyd, the quantities in the contract may be enhanced by 25% within the delivery period.
- Firms which have already supplied similar equipment to IIT Hyd and have not completed 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.

## 8. Cargo Consolidation and Customs Clearance

IIT Hyd has appointed its own Freight Forwarder and Custom House Agent for all the 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.

## 9. Fraud and Corruption

IIT Hyd 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 indirectly, 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, non -competitive 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) IIT Hyd will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent collusive or coercive practices in competing for the Contract in question.

## 10. 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, IIT Hyd's interpretation of the clauses shall be final and binding on all parties.

## CHAPTER - 3: CONDITIONS OF CONTRACT

### 1. Prices

All the bidders should quote prices for each and every item/accessory separately. The Bidder may submit the commercial bid as per their own format, indicating all the details

#### A. Bidders Quoting in Indian Rupees (INR)

- (i) The price mentioned in Price/Commercial Bid 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 IIT Hyd. Loading and unloading is strictly in vendor scope. IIT Hyd will not provide any manpower support towards the same.
- (ii) The installation, commissioning and training charges (if any) must be mentioned separately , else the price quoted will be taken as inclusive of installation, commissioning and training.
- (iii) 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 Price Bid will be final and the bidder has to comply with that, if awarded the tender.
- (v) Unloading of the goods at IIT Hyd is strictly in the scope of the bidder, no manpower will be provided by IIT Hyd.

#### B. Bidders Quoting in Foreign Currency

- (i) The mode of shipment must be clearly mentioned in the Price Bid viz Ex-works, FCA, FOB, CIP, etc.
- (ii) Courier mode of shipments will not be acceptable. The Shipments must be dispatched under Cargo Mode only.
- (iii) The mode of shipment once mentioned cannot be changed without the consent of IIT Hyd.
- (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 (If any) must be mentioned , else the price quoted will be taken as inclusive of installation, commissioning and training.
- (vii) The institute will not be responsible in case bidders fail to include any of the above mentioned prices in their bid. The price mentioned in the Price Bid will be final and the bidder has to comply with that, if awarded the tender.

**C. IIT Hyd is exempted from payment of Customs Duty** under notification No.51/96 dated 23.07.1996. No other charges than those mentioned clearly in the quotation will be paid.

### 2. Bank Charges

All Bank charges inside India, including opening of LC, will be charged to IIT Hyd Account and all charges outside India to Beneficiary's Account only. In case the bidder seeks confirmation of LC such confirmation charges will be charged to the Beneficiary's account.

### 3. Agency Commission & Services

- a) The Indian Agency commission if any will be 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.
- b) 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.
- c) Details of services rendered by the Agency/Indian Agent as well as after-sales services offered are to be clearly specified in the bid.

### 4. Currency of Payment

The contract price will be paid in the currency/currencies in which the price is stated in the contract.

### 5. Performance Bank Guarantee

The 5% Security Deposit which is mentioned above (Chapter 2 Point No 3) will be extended as Performance Bank Guarantee for a period of 60 days beyond warranty period.

### 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 an 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 IIT Hyd the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipment. 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.

### 7. Installation

- a) Bidder shall be responsible for installation/demonstration wherever applicable and for after sales service during the warranty and thereafter.
- b) Installation demonstration to be arranged by the supplier free of cost and the same is to be done within a week of the arrival of the equipment at site, unless otherwise instructed by the Institute.
- c) After successful installation the minimum downtime of equipment/instrument in case of breakdown to be specified. If the identified firm or person fails to put the system into working condition the further alternative course of action suggested to adhere to minimum downtime should be covered in the Technical Bid.

### 8. Inspection

- a) The inspection of the system will be done by our technical expert/scientist in the presence of the firm's representative.
- b) 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 basis at IIT Hyd.



## 9. Training

Wherever needed, scientist/technical persons of the Institute should be trained by the supplier at the project site free of cost. In case the person is to be trained at a 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

- a) The items covered by this tender will have comprehensive warranty for the equipment as specified in the CHAPTER 4 SCHEDULE OF REQUIREMENTS, from the date of acceptance of the equipment by IIT Hyd. 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. The comprehensive warranty includes onsite warranty with parts.
- b) 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, local taxes if any and should be borne by the beneficiary or his agent. No cost will be borne by IIT Hyd.
- c) The warranty on the associated software should cover providing of upgraded version/s, if any, released during the warranty period, free of cost.
- d) The bidder shall assure 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. This shall be on payment (on an approved price list basis).
- e) The equipment must be supported by a Service Centre in India manned by the technical support engineers. Also it should be possible to contact the Principal's vendor support Centre on a toll free number/web/mail. The support through this Centre must be available during all working days and hours.
- f) The manufacturer/OEM should facilitate the bidder/agent on a regular basis with technology/product updates & extend support for the warranty as well.
- g) The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.
- h) The principal vendor must have local logistics support by maintaining spares in the country of deployment of the equipment, with the Indian agent. This is to ensure immediate delivery of spare parts from the principal vendor of equipment to its channel partner/system integrator.
- i) Details of the 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 details of Indian agent who shall maintain during warranty and AMC beyond warranty, shall be given in the Technical Offer.
- j) **Commencement of Warranty Period** - The warranty period of an item shall commence from the date of successful installation, commissioning and demonstration at IIT Hyd. 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

The prices quoted must be the prices applicable for a premiere Educational and Research Institute of national importance. The bidder must give details of identical or similar equipment, if any, supplied

to other IITs/IISERs/CSIR lab/CFTIs during the last three years along with the final price paid and performance certificate from them.

## 12. Annual Maintenance Contract

The bidder 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. 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 IIT Hyd against all claims, losses, costs, damages, expenses, action suits and other proceedings, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment supplied by the bidder/OEM.

## 14. Freight & Insurance

**a) Imports:** In case of imports the freight & insurance will be paid by IIT Hyd (applicable only cases of Ex-Works /FCA/FOB shipments). However the bidder should quote for FCA & CIF Prices.

**b) Indigenous:** The equipment'/items 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 IIT Hyd site in case of Rupee transaction.

## 15. Payment

**No advance payments are allowed.**

### a) Indigenous

For Indigenous items, 90% payment shall be made against delivery, installation, commissioning and balance 10% on demonstration of the whole system to the satisfaction of the Institute/Scientist/Technologist/Indentor/Professor etc. If the PBG, submitted as per Chapter 2 Clause No 3, requires extension to cover the Warranty Period the same will have to be done before release of the balance 10% Payment.

### b) Import

i) **Letter of Credit** will be established for 100% order value excluding the agency commission due to the Indian Agents. The Letter of Credit will be established only on receipt of the Security Deposit as per Chapter 2 Clause No. 3.

90% payment shall be made against the presentation of original Shipping documents to our bankers or as per the LC terms and conditions. Balance 10% will be released after completion of satisfactory installation, commissioning, demonstration of the whole system to the satisfaction of the Institute/User Scientist Technologist/Indentor/Professor. If the PBG, submitted as per Chapter 2 Clause No 3, requires extension to cover the Warranty Period the same will be done before release of the balance 10% Payment.

OR

ii) **By Wire Transfer** - 90% payment shall be made against delivery, installation, commissioning and balance 10% on demonstration of the whole system to the satisfaction of the Institute/User Scientist /Technologist/Indentor/Professor If the PBG, submitted as per



Chapter 2 Clause No 3, requires extension to cover the Warranty Period the same will be done before release of the balance 10% Payment

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

iv) 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. Liquidity Damage for delayed Services

a) As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to, failing which, IIT Hyd will forfeit SD and also LD clause will be applicable /enforced.

b) 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 0.5% 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.

c) IIT Hyd 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. Public Procurement (Preference to Make in India), Order 2017

a) IIT Hyd shall compare all substantially responsive bids to determine the lowest value bid. This Institute is following and abiding with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E. II dated 15th June 2017 and its subsequent amendments. Accordingly, preference will be given to the Make in India products while evaluating the bids. However, it is the sole responsibility of the bidder(s) to specify the product quoted by them is Make in India product along with respective documentary evidence as stipulated in the aforesaid order in the technical bid itself.

b) As per the above order and its subsequent amendments "Local Content" means the amount of value added in India which shall be value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all the custom duties) as a proportion of the total value, in percent. Accordingly, the suppliers will be classified in following categories.

i) Class I local Supplier – has local content equal to more than 50%

ii) Class II local Supplier – has local content equal to more than 20% but less than 50%

iii) Non Local Supplier – has local content less than 20%

c) **Verification of Local Content:** The Class I Local Supplier /Class II Local Supplier at the time of bidding shall be required to indicate the percentage of local content and provide **self-certification as per** Annexure 'I' that the items offered meet the local content requirement. The details of the location(s) at which the local value addition is made also needs to be specified.

In case of procurement in excess of Rs.10 crores, the suppliers shall be required to provide the certificate from the Statutory auditor or cost auditor of the company giving the percentage of local content.

**The bidders can be debarred for a period up to two years as per Rule 151(iii) of GFR 2017, in case of false declaration.**

### **Complaint Redressal Mechanism:**

In case any complaint received by the procuring agency or the concerned Ministry/Department against the claim of a bidder regarding local content/domestic value addition in a product, the same shall be referred to competent authority at IITH or the relevant Ministry.

The bidder against whom the complaint is received shall be required to furnish the necessary documentation in support of the domestic value addition claimed in the product to authority. If no information is furnished by the bidder, such laboratories may take further necessary action, to establish the bonafides of the claim

A complaint fee of Rs. 2 lakh or 1% of the value of the domestically manufactured products being procured (subject to a maximum of Rs.5 lakh), whichever is higher, to be paid by Demand Draft to be deposited with Procuring Institute. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

False declarations will be in breach of the Code of Integrity under Rule 175 (1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

### **18. Requirement of registration**

Vide Ministry of Finance OM No. 6/18/2019-PPD dated 23rd July 2020.

- i. Any bidder from a country sharing a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT).
- ii. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- iii. "Bidder from a country which shares a land border with India" for the purpose of this Order means:
  - a) An entity incorporated, established or registered in such a country; or
  - b) A subsidiary of an entity incorporated, established or registered in such a country; or
  - c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
  - d) An entity whose beneficial owner is situated in such a country; or
  - e) An Indian (or other) agent of such an entity; or
  - f) A natural person who is a citizen of such a country; or
  - g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

For details about registration procedures please visit the above mentioned OM. Mandatory documentary evidence regarding the bidder's registration with DPIIT is to be submitted along with the tender, failing which the tender shall be liable for rejection. Bidders are also requested to submit the Model Certificates **as per Annexure 'J'** for this tender as mentioned in the Ministry of Finance OM No. 6/18/2019-PPD dated 23rd July 2020.

## 19. Force Majeure

IIT Hyd may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that the delay, in performance or other failure to perform its obligations under the Contract, is the result of a Force Majeure. Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.) acts of states, the direct and indirect consequences of wars (declared or undeclared) hostilities, national emergencies, civil commotion and strikes at successful Bidder's premises.

## 20. Dispute Settlement

IIT Hyd 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 IIT Hyd 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 IIT Hyd 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 IIT Hyd, if he is unable/ unwilling to act, to the sole arbitration of some other person appointed by his willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.

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

## 21. Jurisdiction

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

Assistant Registrar (S&P)

**CHAPTER 4**  
**SCHEDULE OF REQUIREMENTS, SPECIFICATIONS & ALLIED TECHNICAL DETAILS**  
**TECHNICAL SPECIFICATIONS**

**Item: Ultra-High Resolution Analytical Transmission Electron Microscope with large pole piece gap with aberration correctors with EDX, 4D-STEM, EELS detector**

The desired system should be capable of high-resolution imaging of all kinds of materials, including metals and alloys, ores and minerals, soft and hard samples, polymers, 2D materials, ceramics, semiconductors, insulating, and magnetic samples. Suitable detectors for ADF(HAADF), BF, ABF, for STEM imaging mode, Energy Dispersive X-ray spectrometer (EDS), and EELS spectrometer detector should be included for the elemental/compositional analysis with both quantitative and qualitative mapping capability and *in situ* imaging CMOS Camera.

**1. High-Resolution Scanning/Transmission Electron Microscope with detectors:**

The system should have all the necessary components, hardware, and software to meet the required specifications as given below. The detailed specifications are provided here:

<b>S. No</b>	<b>Parameters</b>	<b>Desired Specifications</b>
1	Accelerating voltage	At least 200 kV OR Higher (Variable in steps or continuously). User changeable from 30 kV – 200 kV or Higher.
		The microscope should be aligned for the highest accelerating voltage and 80 kV
		The stability of the high-tension voltage is 0.5 ppm/min (or better).
2	Electron gun	Ultra-high-brightness cold field emission gun (Cold FEG) with an energy resolution of <0.4 eV or better with a certified lifetime of 5 Years or more.
3	Automation	It should be possible to align both electron gun and beam at selected acceleration voltages, save it in the computer, and recall that for automatic alignment while switching from one acceleration voltage to another. This should be possible for the alignments mentioned above in “1”.
4	Possible types of operating modes	The HRTEM should be fully digital microprocessor PC controlled with the following modes as standard:

		<p>a) TEM (Bright field (BF) and dark field (DF)), Lorentz mode and HRTEM, STEM mode, NanoProbe, Annular Bright field, Annular Dark Field Imaging, High Angle Annular Dark Field Imaging (HAADF), Selected Area Electron Diffraction including Nano diffraction, Convergent Beam Electron Diffraction (using TEM/STEM modes), EDS using TEM/STEM modes, EDS spectral imaging and composition line scan in STEM mode.</p>
		<p>b) The system should be capable of following analysis modes: STEM + EDS/EELS, STEM + Image recording, Cryo + EDS/EELS, Heating + EELS, EDS+EELS, wherever possible. Changes between various operating modes should be computer-controlled.</p>
		<p>c) The system should also be capable of studying samples using a cooling holder, heating holder, and other <i>in situ</i> holders</p>
5	Resolution	STEM: 90 pm or better with Probe Corrector at the highest accelerating voltage
6	Probe Corrector	<p>The microscope should have a probe corrector capable of the following:</p>
		<p>a) Probe Corrector should give sub-Angstrom STEM imaging resolution at the highest accelerating voltage. Corrector control should be embedded in the TEM software (including routines for aligning the corrector).</p>
		<p>b) It should provide an order-of-magnitude improvement in optical stability of low-order aberrations for collecting meaningful data and also be capable of correcting 5<sup>th</sup>-order or higher aberrations for all accelerating voltages</p>
		<p>c) Probe corrector alignment software makes probe corrector tuning easy, fast, and fully automated up to and including 5<sup>th</sup>-order or higher aberrations</p>

7	Magnification for imaging	HRTEM magnification: 1,500,000 x or better; STEM magnification: 150,000,000 x or better.
8	Mandatory attachments	<p>a) Scanning transmission electron microscope (STEM) with HAADF detector, BF, ABF or ADF(LAADF)</p> <p>b) Solid state detector for X-ray Energy Dispersive Spectroscopy (EDS) with a total active area of 120 mm<sup>2</sup> or more</p> <p>c) CMOS camera capable of 4D-STEM</p> <p>d) Retractable camera compatible with Electron Energy Loss (EELS) spectroscopy and Energy filtered imaging</p>
9	Camera Length for Diffraction	80 mm to 2000 mm
10	Vacuum System	<p>a) Electron gun area, condenser lens, specimen area, and projector lenses are pumped by a complete oil-free Vacuum pumping system. Vacuum surfaces and components in the vicinity of the electron beam do not degas, degrade, or in any way become a source of sample contamination under electron or x-ray radiation.</p> <p>b) A liquid nitrogen (LN<sub>2</sub>) cold trap around the specimen, along with the cold trap, should be compatible with various detectors (EDS Detector) and specimen holders. An external reservoir and an LN<sub>2</sub> dewar for filling the reservoir must be included, if any operation mode demands.</p> <p>c) The vacuum system should be able to maintain the appropriate column and gun vacuum for seamless imaging. Additionally, water vapour and hydrocarbon partial pressures should be low enough to avoid any sample contamination</p> <p>d) The vacuum system has a complete fail-safe mechanism along with software-based continuous monitoring and display of pressure</p>

11	Lens System & Apertures:	The system should consist of a condenser lens, objective lens, objective mini lens, Lorentz lens, intermediate lens, and projector lens.
		a) The system should have a suitable condenser system with variable convergence angle and size of the illuminated area.
		b) The objective lens should be such that using various <i>in situ</i> holders and a large specimen tilt is possible for analytical microscopy. The pole piece design should allow the specimen to remain at the eucentric position for all operating modes and can integrate the EDS system.
		c) Suitable optical arrangements for optimum TEM dark field application work.
		d) Field-free imaging in TEM Lorentz mode with 1.5 nm resolution for imaging magnetic specimens
		e) The objective lens design should be a wide gap pole piece > 5mm
12	STEM	f) It should be possible to acquire distortion and rotation-free images
		a) A complete STEM system with options to acquire images in these modes: Annular Bright Field (ABF) or Annular Dark Field (ADF), High Angle Annular Dark Field (HAADF), along with a segmented detector and 4D-STEM
13	Types of Specimen Holders	b) It should be possible to acquire images from multiple modes- HAADF, ABF/ADF, and BF/DF simultaneously. The STEM system should be a high throughput system with multiple parallel imaging channels made available to acquire four or more images simultaneously from different STEM detectors.
		a) Double tilt low background holder for EDS analysis: 01 No. b) Cooling holder 01 No., to enable imaging at liquid nitrogen temperature



14	Stage and specimen chamber	<p>a) Fully motorised computer/software-controlled piezo-driven eucentric goniometer with accurate position storage and recalling capability.</p> <p>b) Specimen holder insertion must be through an automatic pre-pumped airlock, allowing sample exchange even with high voltage and emission turned on</p> <p>c) Stage should have a piezo functionality on X, Y, and Z movements with a minimum step size of 0.05 nm or better</p> <p>d) Tilt angle (both tilts) range of <math>\pm 30/\pm 30</math> degrees or higher for a 3mm dia specimen with a 0.1 degree or better tilt step size.</p> <p>e) The drift rate should be 0.5 nm/min or less under normal operating conditions.</p>
15	EDS	<p>a) The make of EDS and its compatibility with the rest of the system should be mentioned.</p> <p>b) The EDS system must incorporate silicon drift detectors with a total active area of 120 mm<sup>2</sup> or higher for light element sensitivity</p> <p>c) The EDS detector solid angle should be <math>\geq 1.1</math> steradians or better</p> <p>d) The detector should be Windowless for excellent light element performance and the capability to detect from B to U. The detector must have a shutter attachment.</p> <p>e) The hardware and control software capabilities must include small pixel dwell time, automatic collection of element maps, auto-drift correction during acquisition, and an automatic X-ray detector protection mechanism. The detector should be fully retractable whenever required.</p> <p>f) X-ray detector must have an energy resolution less than or equal to 1409 eV at Manganese K-alpha with 100,000 cps. It</p>



		<p>should be capable of detecting elements with atomic number &gt;5 (i.e., from Boron to Uranium).</p>
		<p>g) The software for X-ray spectra acquisition and analysis must include full qualitative and quantitative analysis with appropriate correction algorithms. It is essential to have the options to carry out X-Ray mapping, capability for spectrum analysis, digital control of the beam for composition profile, composition area mapping, peak deconvolution, element-to-phase map, phase-to-element map, and drift correction facility.</p>
		<p>i) An offline copy of the EDS software with a minimum of 5 licenses should also be included for data processing and training purposes</p>
		<p>j) The system must include qualitative and quantitative elemental analysis,</p>
16	Imaging and data recording system	<p>a) Bottom-mounted, retractable, EELS-compatible high-resolution Complementary metal-oxide-semiconductor (CMOS) Camera of minimum 4k x 4k pixels (or better). CMOS sensor with built-in shutter. The full sensor read-out speed should be <math>\geq 24</math> fps or faster at a full resolution of 4k x 4k.</p> <p>b) The camera has to be capable of carrying out 4D STEM analysis</p> <p>c) The sensor active area should be <math>\geq 3600</math> mm<sup>2</sup> with a minimum 15 <math>\mu</math>m pixel size. Conversion efficiency greater than 30 counts per primary electron or more.</p> <p>d) Separate computing device with a display unit for capture, processing, and display with the latest software running on a 64-bit processor. The software should include online (real-time drift correction at 4k x 4k and Live FFT for astigmatism correction) and offline data processing features such as FFT and full support for real space (image mode) and reciprocal space (diffraction mode) calibrations. A separate computer of appropriate capacity (minimum 2 TB) should support the</p>

		<p>camera so that live video image acquisition and storage on a hard disk is possible.</p>
		<p>e) Recording modes should include both 'image' and 'video'. Ability to view "live" video of <i>in situ</i> TEM experiments at a resolution of better than 4k X 4k pixels at 24 frames per second (fps) to 512 X 512 pixels at ~300 fps, with the usage of the <i>in situ</i> upgrade option and with suitable high-end server type PC configuration for supporting all the requirements</p>
		<p>f) Upgradation of microscope software must be supplied free of cost as when it is upgraded within 5 years of microscope supply</p>
		<p>g) User-friendly software facility for astigmatism correction at high magnification for HRTEM imaging.</p>
		<p>h) Output images should be compatible with other commercial image analysis software. Online annotation for scale bar, magnification, and TEM condition should be available. On-image facility for linear measurement as diffraction measurements for ring and spot-containing pattern</p>
17	Diffraction	<p>a) Selected area aperture (SAD) holder in the intermediate lens must be fully motorised and computer-controlled.</p> <p>b) The instrument should be able to achieve a minimum spot size of 0.5 nm or smaller and should have sufficient camera length range for convergent beam Electron diffraction studies as well as SAD studies</p> <p>c) The vendor should specify the maximum convergence angle (20 mrad or better), and a higher value of the convergence angle is preferred. The maximum diffraction angle (20 mrad or better) should also be specified by the vendor</p>

		d) Dark field imaging must be performed by tilting the beam using either X-Y or conical controls. Tilt parameters must be displayed on the main control screen.
18	Imaging Filter Energy	a) Should be compatible in the high voltage range of 30 to 200kV/300kV
		b) Entrance aperture: 12mm dia /5mm dia / 2mm dia
		c) Energy selection slit: upper/lower/ slit blade, fully retractable
		d) Drift tube must be available
19	Chiller compressor and	Close circuit, automatic temperature, and flow rate controlled closed-circuit water-cooling system. Proven brand to be specified
20	Essential Consumables	(a) SF <sub>6</sub> gas cylinders (2Nos.) with regulators should be supplied. (b) Any re-filling of the SF <sub>6</sub> tank during the warranty period should be carried out free of cost. (c) Dry ultra-high purity nitrogen cylinders (2 Nos.) with regulators should be provided for venting.
21	Calibration standards	Standard samples to check system calibration for the following are to be provided mandatorily:
		a) Magnification, camera length, and rotation, including TEM Standard Au cross grating and Au single crystal (OR), any other standard sample for TEM resolution,
		b) STEM Standard single crystal Si or GaN for STEM resolution
		c) Mn & Co standard for EDS energy resolution
22	Tool kit	A suitable and essential tool kit must be supplied with the system for maintenance and upgrade.

23	Spares and accessories	<p>a) All essential spares should be mandatorily included in the offer</p> <p>b) Any cylinders and regulators for gases (such as SF<sub>6</sub>, Ar, and N<sub>2</sub>) to be used with the instrument or accessories to be provided by the vendor.</p>
24	Display and output	<p>a) All the accessories and ports should be of International standard and replaceable with components available in India.</p> <p>b) Two larger than 27" high-definition monitor(s) for HRTEM operation for split display of image recording/processing and EDS analyses.</p> <p>c) Colour laser printer with scanner of reputed brand &amp; DVD R-W drive, Optical mouses</p> <p>d) A working table required for the commissioning and working of HRTEM must be supplied</p>
25	Software	<p>a) All software used to operate the instrument and acquire and process the data should be licensed and factory-preloaded.</p> <p>b) Include software that automates focus adjustment, astigmatism, and misalignment.</p> <p>c) Include stage and optics control software to stitch images together seamlessly.</p> <p>d) Include software for the automated acquisition of tomograms and reconstruction and displaying of the 3d data set</p> <p>e) Provide all the relevant software to analyse the data with appropriate licenses (at least 5) for offline installation</p>
26	Safety Devices	<p>The TEM should be equipped with self-diagnostic functions to detect problems like pneumatic pressure, cooling water temperature, reservoir tank pressure, etc.</p>

27	Pre-installation requirements	<p>Pre-installation requirements such as room size, tolerable limits of electromagnetic field and vibration (mechanical), required power rating, and utility requirements are to be stated clearly and verified/surveyed by the supplier at the installation site.</p> <p>It is the supplier's responsibility to provide details of the requirements as mentioned above 120 days before the delivery of the equipment.</p>
28	Installation and commissioning	<p>The manufacturer should undertake the installation and commission of the equipment and all attachments and accessories and demonstrate the performance guaranteed as per specifications at the site.</p>
29	Warranty, Training, and Service Support	<p>A minimum <b>five-year comprehensive warranty should be provided for the microscope and the accessories, and the annual maintenance cost should be quoted</b> beyond the warranty period for the subsequent 5 years. For arriving at Lowest Bidder, the cost of CAMC/Warranty will also be considered.</p> <p>a) On-site training should be provided to the operators. Necessary documents, operational system manual in the form of CD and hardcopy must be supplied with the system</p> <p>b) The breakdown period (beyond 72 hours) will be added to the warranty period.</p> <p>c) Service response time, turn-around time, and equipment up-time should be specified. Service response time must be less than 72 hours</p> <p>d) The instrument must have provision for online diagnosis of faults.</p> <p>e) A suitable service facility for computer hardware or software-related problems should also be provided.</p>

		<p>f) Upgradation of the software has to be supplied free of cost as and when it is upgraded within 5 years of microscope supply</p> <p>g) The supplier must provide a warranty certificate from the OEM for the entire warranty period.</p> <p>h) The OEM should assure service support and supply of spares for a period of 10 years after the discontinuation of the quoted model. Bidder should submit Self Declaration for the same from OEM.</p> <p>i) To ensure that breakdown time is minimum, the supplier must station a service engineer locally (preferably at IIT Hyderabad).</p>
30	Compliance Statement	<p>a) The supplier must submit a table indicating the compliance of the model's features of the equipment quoted with those given in the indent.</p> <p>b) Features not matching – must be indicated</p> <p>c) Additional features in the quoted equipment that are better than those in the indent may be clearly explained.</p> <p>d) The supplier must submit technical brochures and proper application notes adequately explaining and confirming the availability of the features in the model of the equipment being quoted</p>
31	Required Documents along with technical specifications	<p>a) The supplier must provide a comprehensive list of at least five (5 Nos.) users of the proposed model globally.</p> <p>b) They should also submit the name(s) of the service engineer(s) employed by them who is/are competent to service the equipment along with their locations in India</p>
32	Delivery period	The proposed instrument must be delivered within 9 months of the purchase order's acceptance.

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33	Additional Evaluation Criteria	Any value in addition to the above technical specifications that will/can add to the microscopy facility being established at IIT Hyderabad in terms of Adjunct / Supporting instruments from the value addition items will be given an additional 20% weightage.
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## 2. Value addition items that can be supplied

Value addition items listed in #33 above is as described below

1	Adjunct / Supporting microscope	A microscope (preferably aberration-corrected) screening or supporting microscope for the facility must be quoted.	Marks Alloted - 10 Min Qualifying Marks - 04
2	FIB-SEM	A focused ion beam - scanning electron microscope (FIB-SEM) coupled with a nanomanipulator that supports specimen preparation for the proposed high-end equipment in the SATHI centre.	Marks Alloted - 10 Min Qualifying Marks - 04

The bidder will be allotted a maximum 10 marks for each value addition item, subject to meeting technical qualification for the main equipment.

From these 20 marks, the qualifying score is 8 marks, The technical committee will score the Adjunct / Supporting equipment based on the best specifications offered. The bidder scoring less than 8 marks will be scored as “0” and no weightage will be given.

The score for value added items carries 20% weightage. The score achieved by a bidder as per above criteria will be equalised / normalised to 20 Marks.

For example, if the score for a bidder is 15, the normalised technical score for the bidder will be  $(15/20) \times 20 = 15$  marks. (A)

The weightage for the financial score will be 80%. The formula for calculating the Financial Score will be

$$\text{LFB /QP} \times 100 = \text{X (Financial Score)}$$

80% Weightage

$$\text{X} \times 80/100 = \text{B}$$

$$\text{Total Score} = \text{A+B}$$



**Order will be placed with the bidder score the highest Total Score**

\* LFB - Lowest Financial Bid

\* QP - Quoted Price

**3. Optional items: to be quoted for**

1	Precession Electron Diffraction	Please quote a precession electron diffraction system as well as the relevant software (quote the price for the system and software separately)
2	Other optional attachments	Please quote optional electron dose modulation that enables low-dose imaging or diffraction.
3	Additional Service support	support of maintenance through dedicated service staff, technical support, support for students, additional modes/modules, etc.

**THE BIDDERS ARE REQUIRED TO QUOTE FOR ALL THE ITEMS, WARRANTY, AMC AND OPTIONAL ITEMS AS PER THE ABOVE SPECIFICATIONS.**

**For any technical query related to enquiry please contact**

**Dr. Sai Rama Krishna Malladi - Email: [srkm@msme.iith.ac.in](mailto:srkm@msme.iith.ac.in)**

**For Commercial query**

Mr. Suresh Nair - Assistant Registrar Email : [ar.purchase@iith.ac.in](mailto:ar.purchase@iith.ac.in)

Mr. K Ramesh – Assistant Registrar, Email: [ar.stores@iith.ac.in](mailto:ar.stores@iith.ac.in)

Ms. D Chanchala Devi– Deputy Registrar, Email : [hos.snp@iith.ac.in](mailto:hos.snp@iith.ac.in)

**CHAPTER 5**

**UNPRICED TECHNICAL BID**

**(Bidder should provide the following details on their Letterhead)**

Quotation No :

Date:

Name of the Bidder \_\_\_\_\_

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

Sr. No	Item Description	Country of Origin	Make & Model	HSN Code	GST % (for INR Prices only)	Qty.
1						
2						
3						
n						

**Other Terms & Conditions**

1	Payment terms	:
2	Delivery Period from the date of Issue of PO	:
3	Warranty	:
4	Any other additional terms	:
n		

**ANNEXURE - A**

**FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS**

1	2	3	4	5	6
S. N.	Name of specifications/part / Accessories of tender enquiry As per Chapter 4 of the Tender Document.	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
1					
2					
3					

Note : Bidders are required to fill this table as per the specifications given in the Chapter 4 of this Tender Document. The points need to be reproduced in the table at Column No 2 and then fill in the relevant details for each specification. Product Brochure should be attached.

Signature of the Bidder

Name

Stamp

**ANNEXURE - B**

**Bid Securing Declaration Form**

Date: \_\_\_\_\_

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

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported with **EMD**.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of two years from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/We are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: \_\_\_\_\_ (insert signature of person whose name and capacity are shown)  
in the capacity of \_\_\_\_\_ (insert legal capacity of person signing the Bid Securing Declaration)

Name: \_\_\_\_\_ (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for and on behalf of (insert complete name of Bidder)

Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

**ANNEXURE – C**

**MANUFACTURER'S AUTHORIZATION & WARRANTY SUPPORT DECLARATION**

***(ON OEM Letterhead)***

Date:

Tender No / GeM bid no:

To  
The Director,  
Indian Institute of Technology Hyderabad,  
Kandi, Hyderabad – 502 284

We, \_\_\_\_\_ [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, warranty, availability of spare parts and AMC support in accordance with the Terms and Conditions of Contract with respect to the Goods offered by the above firm.

Authorized representative of the Manufacturer	Authorized representative Bidder
Signature:	Signature:
Name:	Name:
Address:	Address:
Mobile No:	Mobile No:
Email ID:	Email ID:

**ANNEXURE - D**

**PREVIOUS SUPPLY ORDER LIST FORMAT**

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?  <i>{Attach a certificate from the Purchaser/ Consigner}</i>	Contact Person along with Telephone no., Fax no. and e-mail address.

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

Place:

Date:

ANNEXURE – E

**Bidder INFORMATION FORM**

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

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

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

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

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

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

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

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

- Company's Legal Status
- (tick on appropriate option )
- 1) Limited Company
  - 2) Undertaking
  - 3) Joint Venture
  - 4) Partnership
  - 5) Others ( In case of Others please specify)

- 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 (In case of Others please specify)



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## 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

PAN No. \_\_\_\_\_

GST No. \_\_\_\_\_

GeM Registration (If available) \_\_\_\_\_

ANNEXURE – F

**DECLARATION REGARDING CLEAN TRACK/NO LEGAL ACTION**

*(to be provided on letter head of the firm)*

I hereby certify that the above firm namely \_\_\_\_\_ is neither blacklisted by any Central/State Government/Public Undertaking/Institute nor 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 every respect and in any case at a later date it is found that any of the details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

OR

I hereby certify that our firm namely \_\_\_\_\_ was blacklisted by \_\_\_\_\_  
\_\_\_\_\_ for a period of \_\_\_\_\_years/months at the Institute Level/ All Indian Level.

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:

ANNEXURE - G

**ACCEPTANCE OF TENDER TERMS**

*(To be given on Company Letterhead)*

Date: DD/MM/YYYY

To,  
The Director  
Indian Institute of Technology Hyderabad  
Kandi - 502 285.Telangana, India

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: -

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender' from the web site(s) namely \_\_\_\_\_ as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

**ANNEXURE - H**

**NO RELATIONSHIP CERTIFICATE**

*(On Company Letterhead)*

1. I/We hereby certify that I/We\* am/are\* related/not related(\*) to any officer of IIT Hyderabad. ( If Related provide the details of the employee)
2. I/We\* am/are\* aware that, if the facts subsequently proved to be false, my/our\* contract will be rescinded with forfeiture of E.M.D and security deposit and I/We\* shall be liable to make good the loss or damage resulting from such cancellation.
3. I//We also note that non-submission of this certificate will render my / our tender liable for rejection.

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:

ANNEXURE - I

**Declaration for Local Content on OEM Letter Head**

**(To be given on Company Letter Head - For tender value below Rs.10 Crores)**

**(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 Crores)**

Date: \_\_\_\_\_

To,  
The Director,  
Indian Institute of Technology Hyderabad,  
Kandi, Sangareddy 502284

Sub: Declaration of Local content

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: - \_\_\_\_\_

1. Country of Origin of Goods being offered: \_\_\_\_\_

2. We hereby declare that items offered has \_\_\_% local content (**Please provide exact %**).

3. Details of location at which local value addition will be made / made: (Complete address to be mentioned) \_\_\_\_\_

\_\_\_\_\_

*"Local Content" means the amount of value added in India which shall be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.*

*"\*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law."*

**Yours Faithfully,**  
**(Signature of the Bidder/OEM, with Official Seal)**

ANNEXURE -J

**CERTIFICATE BY Bidder- DPIIT REGISTRATION**  
*(On Company Letterhead)*

“ I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, / if from such a county, has been registered with the Competent Authority (copy of the Registration Certificate enclosed) . I hereby certify that his bidder fulfils all requirements in this regard and is eligible to be considered.

Signature with Date and Stamp  
Of the Bidder

**ANNEXURE -K**

**FORMAT FOR PERFORMANCE BANK GUARANTEE**

To  
Indian Institute of Technology Hyderabad.  
Kandi, Sangareddy 502284

Dear Sirs,

In consideration of the Indian Institute of Technology Hyderabad (hereinafter referred to as the "Buyer" which expression shall unless excluded by or repugnant to the context or meaning thereof, include its successors administrators and assigns) having issued to ..... (Name of the seller) with its Registered / Head Office at ..... (hereinafter referred to as the "Seller" which expression shall unless excluded by or repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) an order bearing Purchase Order No. .... dated ..... and the same having been unequivocally accepted by the seller resulting into a Contract between the buyer and the seller for supply of ....., more fully described in the said Purchase Order and the buyer in terms of one of the provisions of the said Purchase Order and whereas the Seller has undertaken to produce a Bank Guarantee amounting to Rs. \_\_\_\_\_, which is 5% of the Contract value in aggregate for Performance and Warranty to the Buyers.

We, the \_\_\_\_\_ bank hereby expressly, irrevocably and unreservedly undertake the guarantee as Principal obligators on behalf of the SELLER that, in the event that the Buyer declares to us that the amount claimed is due by way of loss or damage caused to or would be caused or suffered by the Buyer by reason of breach/failure to perform by the said SELLER of any of the terms and conditions in the contract related to the Performance and Warranty clauses, we will pay you, on demand and without demur, all and any sum upto (5% of the contract value) Rs. \_\_\_\_\_ only at any one instance under this Guarantee. Your written demand shall be conclusive evidence to us that such repayment is due under the terms of the said contract. We shall not be entitled to ask you to establish your claim or claims under this guarantee but will pay the same forthwith without any protest or demur. We undertake to effect the payment upon receipt of such written demand.

We shall not be discharged or released from the undertaking and guarantee by any arrangements, variations made between you and the SELLER, indulgence to the SELLER by you, or by any alterations in the obligations of the SELLER or by any forbearance whether as to payment, time performance or otherwise.

We further agree that any such demand made by the Buyer on the Bank shall be conclusive, binding, absolute and unequivocal notwithstanding any difference or dispute or controversy that may exist or arise between you and the Seller or any other person.

In no case shall the amount of this guarantee be increased.

This Performance-cum-Warranty guarantee shall remain valid for a period until 60 days beyond the warranty period i.e. upto \_\_\_\_\_

Subject to the terms of this Bank Guarantee , the issuing bank hereby irrevocably authorizes the beneficiary to draw the amount upto Rs. \_\_\_\_\_ ( 5% of the total contract value) for breach/failure to perform by the Seller of any of the terms and conditions of the contract related to performance and warranty clause. Notwithstanding anything mentioned herein, the total drawings under the Guarantee by the buyer shall not exceed 5% of the total contract value. Partial drawing and multiple drawings under this Bank Guarantee are allowed within the cumulative amount and subject to each such drawing not exceeding 5% of the contract value.

This guarantee shall be continuing guarantee and shall not be discharged by any change in the constitution of the Bank or in the constitution of M/s. \_\_\_\_\_. We undertake not to revoke this guarantee during the currency except with previous consent of Buyer in writing.

Notwithstanding anything contained herein above:

- a) Our liability under this Guarantee shall not exceed Rs. \_\_\_\_\_ (Rupees\_\_\_\_\_only ( in words)
- b) This Bank Guarantee shall remain valid until 2 months from the date of expiry of warranty period of the contact i.e. upto \_\_\_\_\_ ( mention the date) which is 2 months after expiry of the warranty period and the BG shall cease to be valid after \_\_\_\_\_ irrespective whether the Original Bank Guarantee is returned to us nor not.
- c) We are liable to pay guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written demand or a claim in writing on or before \_\_\_\_\_ (Expiry Date)

Dated the \_\_\_\_\_ day of \_\_\_\_\_ ( month and year)

Place

Signed and delivered by \_\_\_\_\_ ( name of the bank)

Through its authorized signatory  
(Signature with Seal)



ANNEXURE-L

**PRE-CONTRACT INTEGRITY PACT**

**General**

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on \_\_\_\_\_ day of the month of \_\_\_\_\_ 20XX, between, on one hand, the President of India acting through Shri \_\_\_\_\_, Designation of the officer, Ministry/Department, Government of India (hereinafter called the “Buyer”, which expression shall mean and include, unless the context otherwise required, 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 (Name of the Stores/Equipment/Item) and the Bidder/Seller is willing to offer/has offered the stores and

WHEREAS the Bidder is a private company/public company/Government undertaking/partnership/registered export agency, constituted in accordance with the relevant law in the matter and the Buyer is a Ministry/Department of the Government of India/PSU performing its 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/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered in with a view to :-

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

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

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

**1. Commitments of the Buyer**

- 1.1. The Buyer undertakes that no official of the Buyer, connected directly or indirectly with the contract, with 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.
- 1.4. In case any such preceding misconduct on the part of such official(s) is reported by the Bidder to the Buyer with full and verifiable facts and the same is prima facie found to be correct by the Buyer, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the Buyer and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the Buyer the proceedings under the contract would not be stalled.

## 2. Commitments of Bidder

The Bidder commits itself 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 commit itself to the following:-

- 2.1 The Bidder will not offer, directly or through intermediaries, 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, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.
- 2.2 The Bidder further undertakes that it 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 o 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

Government for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the Government.

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

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

2.5 The Bidder further confirms and declares to the Buyer that the Bidder is the original manufacturer/integrator/authorized government sponsored export entity of the defence stores and has not engaged any individual or firm or company whether India or foreign to intercede, facilitate or in any way to recommend to the Buyer or any of its functionaries, whether officially or unofficially to the award of the contract to the Bidder, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

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

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

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

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

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

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

2.12 If the Bidder or any employee of the Bidder or any person acting on behalf of the 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 Bidder's firm, the same shall be disclosed by the Bidder at the time of filing of tender.

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

2.14 The Bidder shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Buyer.

### 3. Previous Transgression

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

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

### 4. Earnest Money (Security Deposit)

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

(i) Bank Draft in favour of \_\_\_\_\_

(ii) A confirmed guarantee by an Indian Nationalised 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 of payment.

(iii) Any other mode or through any other instruments (to be specified in the RFP).

4.2 The Earnest Money / Security Deposit shall be valid upto a period of five years or the complete conclusion of the contractual obligations to the complete satisfaction of both the Bidder and the Buyer, including warranty period, whichever is later.

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

4.4 No interest shall be payable by the Buyer to the Bidder on Earnest Money/Security Deposit for the period of its currency.

### 5. Sanction for Violations

5.1 Any breach of the aforesaid provisions by the Bidder or any one employed by it or acting on its behalf (whether with or without the knowledge of the Bidder) shall entitle the Buyer to take all or any one of the following actions, 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 Deposit (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 of State Bank of India, 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 to the Bidder from the Buyer 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(s) due to the Bidder.
- (vii) To debar the Bidder from participating in future bidding processes 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 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.

5.2 The Buyer will be entitled to take all or any of the actions mentioned at para 6.1(i) to (x) of this Pact also on the commission by the Bidder or any one employed by it or acting on its behalf (whether with or without the knowledge of the Bidder), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

5.3 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 Monitor (s) appointed for the purposes of this Pact.

### **6. Fall Clause**

The Bidder undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar product/systems or sub systems was supplied by the Bidder to any other Ministry/Department of the Government of India or a PSU 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.

### **7.Facilitation of Investigation**

In case of any allegation of violation of any provisions of this Pact of 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.

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

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the Buyer.

### **9.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.

### **10.Validity**

10.1 The validity of this Integrity Pact shall be from date of its signing and extend upto 5 years or the complete execution of the contract to the satisfaction of both the Buyer and the Bidder/Seller, Including warranty period, whichever is later. In case Bidder is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

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

10.3 The parties hereby sign this Integrity Pact at \_\_\_\_\_ on \_\_\_\_\_

Buyer

Bidder

Name of the Officer

CHIEF EXECUTIVE OFFICER

Designation

Deptt./MINISTRY/PSU

Witness

Witness

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

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

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

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

### Checklist for Bidder

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

<b>Attachment -1(Technical Bid )</b> (Password Protected )				
Sl. No.	Documents	Content	File Types	Document Attached
1.1		Format of compliance statement of specification as per Annexure-'A'	.PDF	( Yes /No )
1.2		Bid Securing Declaration as per Annexure-'B'	.PDF	( Yes /No )
1.3		Manufacturer's Authorization Form as per Annexure-'C'	.PDF	(NA)
1.4		Previous supply order format as per Annexure-'D'	.PDF	( Yes /No )
1.5		Bidder Information form as per Annexure-'E'	.PDF	( Yes /No )
1.6		Declaration Regarding Clean Track/No Legal Action as per Annexure-'F'	.PDF	( Yes /No )
1.7		Acceptance of Tender Terms as per Annexure- 'G'	.PDF	( Yes /No )
1.8		Relation Certificate as per Annexure- 'H'	.PDF	( Yes /No )
1.9		Local Content Declaration as per Annexure 'I'	.PDF	( Yes /No )
1.10		Certificate For DPIIT Registration as per Annexure - 'J'	.PDF	( Yes /No )
1.11		Format for Performance Bank Guarantee as per Annexure - 'K'	.PDF	( Yes /No )
1.12		Integrity Pact Annexure-L	.PDF	( Yes /No )
1.13		UNPRICED TECHNICAL BID as Per Chapter 5	.PDF	( Yes /No )



1.14		List of deliverables as per Chapter-4, along with the Technical Brochures and Commercial Terms and Conditions	.PDF	(Yes /No )
1.15		All other documents as per Chapter 1 Point No - 4.1.	.PDF	( Yes /No)
2		<b>Attachment -2 (EMD Details )</b>	.PDF	
3		<b>Attachment -3 (Commercial Bid ) Password Protected</b>	.PDF	