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Checklist for Bid/Tender Submission

(The following check-list must be filled in and submitted with the bid documents)

Pre- Qualification Bid

Sr. No.	Particulars	Yes/No
1	Have you attached the techno commercial unpriced bid form duly filled in appropriately?	
2	Have you attached a copy of the last audited balance sheet of your firm	
3	Have you attached the details of the income tax clearance certificate, proof of manufacturing unit/ dealership letter/ general order suppliers and copy of Central / State sales tax registration certificate?	
4	Have you attached the copies of relevant work orders from Govt. Depts. / PSUs and Central Autonomous Bodies?	
5	EMD: Have you submitted EMD asked for (as specified in BDS).	
6	Have you submitted samples of all items indicated in the respective schedule of requirements at the address of tender inviting authority within due date.	
7	Have you enclosed the schedule of requirement indicating the make offered without indicating the pricing components along with the techno commercial unpriced bid?	
8	Have you submitted the bids both techno commercial unpriced and priced bid separately for each tender?	
9	Have you enclosed the statement of deviations from financial terms and conditions, if any?	
Price Bid		
1	Have you signed and attached the priced bid form?	
2	Have you attached the schedule of requirements duly priced?	

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Part-1

Bidding Procedures

Section I: Instructions for Online Bid Submission

Instructions to the Bidders to submit the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>.

1. Possession of valid Digital Signature Certificate (DSC) and enrollment/registration of the contractors/bidders on the e-Procurement/e-tender portal are prerequisite for e-tendering.
2. Bidder should register for the enrollment in the e-Procurement site using the “[Online Bidder Enrollment](#)” option available on the home page. Portal enrollment is generally free of charge. During enrollment/registration, the bidders should provide only valid and true information including valid email id. All the correspondence shall be made directly with the contractors/bidders through email id as registered.
3. Bidder need to login to the site through their user ID/ password chosen during enrollment/registration.
4. Then the Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by SIFY/TCS/nCode/eMudra or any other Certifying Authority recognized by Controller of Certifying Authorities (CCA) India on eToken/SmartCard, should be registered.
5. The registered DSC only should be used by the bidder in the transactions and should ensure safety of the same.
6. Contractor/Bidder may go through the tenders published on the site and download the tender documents/schedules for the tenders.
7. After downloading / getting the tender document/schedules, the Bidder should go through them carefully and then submit the documents as required, otherwise bid will be rejected.
8. Any clarifications may be sought online through the tender site, through the contact details or during pre-bid meeting if any. Bidder should take into account the corrigendum if any published before submitting the bids online.
9. Bidder may log in to the site through the secured login by the user id/ password chosen during enrolment/registration and then by submitting the password of the e-Token/Smartcard to access DSC.
10. Bidder may select the tender in which he/she is interested in by using the search option and then move it to the ‘my tenders’ folder.
11. From my tender folder, he may select the tender to view all the details uploaded there.

12. It shall be deemed that the bidder has read and understood all the terms and conditions before submitting the offer. Bidder should go through the tender schedules carefully and upload the documents as asked; otherwise, the incomplete bid shall stand rejected.
13. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and ordinarily it shall be in PDF/xls/rar/jpg/dwf formats. If there is more than one document, all may be clubbed together and provided in the requested format. Bidders Bid documents may be scanned with 100 dpi with black and white option. It is advisable that each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip/rar and the same if permitted may be uploaded. The file size being less than 1 MB the transaction uploading time will be very fast.
14. The Bidders can update well in advance, the documents such as certificates, annual report details etc., under “My Space option” and these can be selected as per tender requirements and then send along with bid documents during bid submission. This will facilitate the bid submission process faster by reducing upload time of bids.
15. Bidder should submit the Tender Fee/ EMD as specified in the tender. The hard copy should be posted/couriered/given in person to the Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the instrument should be uploaded as part of the offer.
16. While submitting the bids online, the bidder shall read the terms and conditions and may accept the same to proceed further to submit the bid packets.
17. The bidder has to select the payment option as offline to pay the Tender FEE/ EMD as applicable and enter details of the instruments.
18. The details of the DD/any other accepted instrument, physically delivered, should tally with the details available in the scanned copy and the data entered during bid submission time, otherwise submitted bid shall not be acceptable or liable for rejection.
19. The bidder has to digitally sign and upload the required bid documents one by one as indicated. Very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read, understood and agreed with all clauses of the bid document including General conditions of contract without any exception.
20. The bidder has to upload the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid may be rejected.
21. If the price bid format is provided in a spread sheet file like BoQ_XXXX.xls, the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. The Priced-bid/BOQ template shall not be modified / replaced by the bidder; else the bid submitted is liable to be rejected for the tender.

22. The bidders are advised to submit the bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission due date and time (as per Server System Clock). The TIA shall not be held responsible for any delay or the difficulties faced during the submission of bids online by the bidders.
23. After the bid submission (i.e. after Clicking “Freeze Bid Submission” in the portal), the acknowledgement number indicated by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and also be used as entry pass to participate in the bid opening.
24. The time settings fixed in the server side and displayed at the top of the tender site, shall remain valid for all actions of requesting, bid submission, bid opening etc., in the e-Tender system. The bidders should follow such time during bid submission.
25. All the data being entered by the bidders would be encrypted using Public Key Infrastructure (PKI) encryption techniques to ensure the secrecy of the data. The data entered is not retrievable by unauthorized persons during the bid submission and until the time of bid opening by any person.
26. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers’ public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
27. The confidentiality of the bids is maintained with the use of Secured Socket Layer (SSL) 128 bit encryption technology. Data storage encryption of sensitive fields is done.
28. The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
29. For any queries regarding e-Tendering process, the bidders may contact at address as provided in the tender document. Parallely for any further queries, the bidders are advised to contact over phone: **1-800-233-7315** or send an e-mail to – cppp-nic@nic.in.

Section II: Instructions to Bidders

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Section II. Instructions to Bidders

A. General

- 1. Scope of Bid**
 - 1.1 Scope of Work :
 - a. Supply of **Laboratory Equipment Microscopes** as per Specifications.
 - 1.2 Throughout these Bidding Documents unless the context otherwise requires:
 - a. “in writing” means communicated in written form (e.g. by mail, e-mail, fax, telex) with proof of receipt;
 - b. “singular” means “plural” and vice versa; and
 - c. “day” means calendar day.
- 2. Corrupt and Fraudulent Practices**
 - 2.1 The Purchaser requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section V.
 - 2.2 Further in pursuance of this policy, Bidder shall permit and cause its agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers to provide access to purchaser to all the accounts, records and other documents relating to submission of the applicant, bid submission (in case prequalified), and contract performance (in case of award), to inspect and to have them audited by auditors appointed by the purchaser.
- 3. Eligible Bidders**
 - 3.1 A Bidder may be a firm, a company, a limited liability partnership (LLP), a government-owned entity or any combination of such entities in the form of a joint venture (JV) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent.
 - 3.2 In the case of a joint venture, all members shall be jointly and severally liable for the execution of the contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the bidding process and during the contract execution in the event the JV is awarded the contract.
 - 3.3 A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder:
 - a. directly or indirectly controls, is controlled by or is under

- common control with another Bidder; or
- b. receives or has received any direct or indirect subsidy from another Bidder; or
 - c. has the same legal representative as another Bidder; or
 - d. has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or
 - e. participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid shall result in the disqualification of all Bids in which such Bidder is involved. This, however does not limit the inclusion of the same subcontractor in more than one bid; or
 - f. any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the bid; or
 - g. any of its affiliates has been hired (or is proposed to be hired) by the Purchaser for the contract implementation; or
 - h. would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the project that it provided or was provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm; or
 - i. has a close business or family relationship with a professional staff of the Purchaser (or of the project implementing agency, or of a recipient of a part of the loan) who:
 - (i) are directly or indirectly involved in the preparation of the bidding documents or specifications of the contract, and/or the bid evaluation process of such contract; or
 - (ii) would be involved in the implementation or supervision of such contract.

3.4 A foreign firm and individual may be ineligible if as a matter of law or regulations, India prohibits commercial relations with the country of bidder.

3.5 A Bidder shall provide such evidence of eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.

B. Contents of Bidding Document

4 Sections of Bidding Document

4.1 The Bidding Documents consist of Parts 1, 2 ,3 and 4, which include all the Sections indicated below, and should be read in conjunction with any Addenda if any, issued.

Part 1: Bidding Procedures

- Section I. Instructions for Online Bid Submission
- Section II. Instructions to Bidders
- Section III. Bid Data Sheet (BDS)
- Section IV. Prequalification
- Section V. Policy of University against the Corrupt and fraudulent Practices

Part 2: Supply Requirements

- Section VI. Schedule of Requirements

Part 3: Contract

- Section VII. General Conditions of Contract
- Section VIII. Special Conditions of Contract

Part 4: Bidding and Contract Forms

- Section IX. Bidding Forms
- Section X. Contract Forms

4.2 The Invitation for Bids issued by the Purchaser is not part of the Bidding Document.

4.3 Unless obtained directly from the Purchaser, the Purchaser is not responsible for the completeness of the document, responses to requests for clarification, the Minutes of the pre-Bid meeting (if any), or Addenda to the Bidding Document. In case of any contradiction, documents obtained directly from the Purchaser shall prevail.

4.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its Bid all information or documentation as required by the Bidding Documents.

5 Clarification of Bidding Documents, Site Visit, Pre-Bid Meeting

- 5.1 A Bidder requiring any clarification of the Bidding Document shall contact the Purchaser in writing at the Purchaser's address specified in the BDS or raise its enquiries during the pre-bid meeting if provided. The Purchaser will respond in writing to any request for clarification, provided that such request is received prior to the deadline for submission of bids within a period specified in the BDS. The Purchaser shall forward copies of its response to all Bidders who have acquired the Bidding Documents, including a description of the inquiry but without identifying its source. If so specified in the BDS, the Purchaser shall also promptly publish its response at the web page identified in the BDS. Should the clarification results in changes to the essential elements of the Bidding Documents, the Purchaser shall amend the Bidding Documents following the due procedure.
- 5.2 If so specified in the BDS, the Bidder is advised to visit and examine the project site and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for procurement of Goods. The costs of visiting shall be at the Bidder's own expense.
- 5.3 The Bidder and any of its personnel or agents shall be granted permission by the Purchaser to enter upon its premises and lands upon the express condition that the Bidder, its personnel, and agents shall indemnify the Purchaser against all liability in respect thereof.
- 5.4 If so specified in the BDS, the Bidder's designated representative is invited to attend a pre-bid meeting. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 5.5 The Bidder is advised to submit any questions in writing to reach the Purchaser not beyond one week preceding the meeting.
- 5.6 Minutes of the pre-bid meeting, if applicable, including the text of the questions asked by Bidders, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Documents. Any modification to the Bidding Documents that may become necessary as a result of the pre-bid meeting shall be made by the Purchaser exclusively through the issue of an addendum and not through the minutes of the pre-bid meeting. Absence in the pre-bid meeting shall not be a cause for disqualification of a Bidder.

- 6 Amendment of Bidding Document**
- 6.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by corrigendum. In case of e-procurement, corrigendum / amendment shall be published on <http://eprocure.gov.in/eprocure/app>.
- 6.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents from the Purchaser. The Purchaser shall also promptly publish the addendum on the Purchaser's web page.
- 6.3 The Purchaser may, at its discretion to give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, extend the deadline for the submission of bids.

C. Preparation of Bids

- 7 Cost of Bidding**
- 7.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 8 Language of Bid**
- 8.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in the language specified in the BDS. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages into the language specified in the BDS, in which case, for purposes of interpretation of the Bid, such translation shall govern.
- 9 Documents Comprising the Bid**
- 9.1 The tender/Bid shall be submitted online in two part, viz., Technical Bid and Commercial Bid.

9.1.1 TECHNICAL BID

The following documents are to be scanned and uploaded as part of the Technical Bid as per the tender document:

- (a) Scanned copy of Tender Forms (Techno Commercial Un-Priced Bid) and Tender Acceptance Letter);

- (b) Scanned copy of the completed schedules,
- (c) Scanned copy of Bid Security or copy of proof for submission of Tender Document Fee/ Earnest Money Deposit etc.;
- (d) Scanned copy of written confirmation authorizing the signatory of the Bid to commit the Bidder;
- (e) Scanned copy of documentary evidence
 - (i) establishing the Bidder's qualifications to perform the contract if its bid is accepted and
 - (ii) the Bidder's eligibility to bid;
- (f) Scanned copy of
 - (i) documentary evidence, that the Goods and Related Services to be supplied by the Bidder are of eligible origin and
 - (ii) conform to the Bidding Documents, and
 - (iii) any other document required in the BDS;
- (g) Scanned copy of Pre-qualification Details as per Section-IV like PAN/TIN/Sales Tax / Service Tax etc.
- (h) Technical Bid.

All the original documents as well as the original payment instrument like Demand Draft/Bank Guarantee /Pay order or banker cheque of any scheduled bank against Tender Fee/EMD, samples as specified in this tender document have to be sent to the address of the Purchaser mentioned in Bid Data Sheet (BDS) by post/speed post/courier/by hand on or before bid Submission closing date & time. Beyond that the tender shall be summarily rejected without assigning any reason.

9.1.2 COMMERCIAL BID

The commercial bid comprises of :

- (i) Scanned copy of Tender Form (Price Bid)
- (ii) Price bid in the form of BoQ_XXXX.xls.
- (iii) Scanned copy of item wise breakup of price bid.

The Price bid format is provided as BoQ_XXXX.xls along with this Tender Document at <http://eprocure.gov.in/eprocure/app>. Bidders are advised to download this BoQ_XXXX.xls and quote their offer/rates in the prescribed column. Bidders can quote Basic Price in INR or CURRENCY (for other than INR) but it is mandatory to quote taxes/levies in INR only, in the prescribed column and upload the same in the commercial bid.

- 9.2 In addition to the above requirements, bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all members and submitted with the bid, together with a copy of the proposed Agreement, there to.
- 9.3 The Bidder shall furnish in the Tender Forms information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid.
- 10 Tender Forms(Technical and Price) and Price Schedule(BOQ)**
- 10.1 Tender Forms and Price Schedules (Bill of Quantity-BOQ) shall be prepared using the relevant forms furnished in Section IX, Bidding Forms and BOQ provided. The forms must be completed without any alterations to the text, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
- 11 Alternative Bids**
- 11.1 Unless otherwise specified in the BDS, alternative bids shall not be considered.
- 12 Bid Prices and Discounts**
- 12.1 The prices and discounts quoted by the Bidder in the Tender Forms and in the Price Schedules (BOQ) shall conform to the requirements specified as under.
- (a) All lots (contracts) and items must be listed and priced separately in the Price Schedules (BOQ).
 - (b) The price to be quoted in the Tender Forms shall be the total price of the bid, excluding any discounts offered.
 - (c) The Bidder shall quote any discount and indicate the methodology for their application in the Tender Forms.
 - (d) Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, unless otherwise specified in the BDS A bid submitted with an adjustable price quotation shall be treated as non-responsive and shall be rejected. However, if in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.
- 12.2 If so bids are being invited for individual lots (contracts) or for any combination of lots (packages). Unless otherwise

specified in the BDS, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer discounts for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted provided the bids for all lots (contracts) are opened at the same time.

12.3 Prices shall be quoted as specified in each Price Schedule (BOQ) as provided. The dis-aggregation of price components is required solely for the purpose of facilitating the comparison of bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. In quoting prices, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible country. Prices shall be entered in the following manner:

- (a) For Goods manufactured in India:
 - (i) the price of the Goods quoted EXW (ex-works, ex-factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
 - (ii) any sales tax/VAT and other taxes payable on the Goods, if the contract is awarded to the Bidder; and
 - (iii) the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination (Project Site) as specified in the BDS.
- (b) For Goods manufactured outside India, to be imported:
 - (i) the price of the Goods quoted under Carriage and Insurance Paid (CIP) Model upto named place of destination in India as specified in the BDS;
 - (ii) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in the BDS;
- (c) For Goods manufactured outside India, already imported:
 - (i) the price of the Goods, including the original import value of the Goods; plus any mark-up (or rebate); plus any other related local cost, and custom duties and other import taxes already paid

or to be paid on the Goods already imported.

- (ii) the custom duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported;
 - (iii) the price of the Goods, obtained as the difference between (i) and (ii) above;
 - (iv) any sales and other taxes which will be payable on the Goods if the contract is awarded to the Bidder; and
 - (v) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in the BDS.
- (d) for Related Services, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements:
- (i) the price of each item comprising the Related Services (inclusive of any applicable taxes).

13 Currencies of Bid and Payment

13.1 The currency(ies) of the bid and the currency(ies) of payments shall be as specified in the BDS. The Bidder shall quote in Indian Rupees the portion of the bid price that corresponds to expenditures incurred in Indian Rupees, unless otherwise specified in the BDS.

14 Documents Establishing the Eligibility and Qualifications of the Bidder

14.1 To establish Bidder's their eligibility, Bidders shall complete the Tender Form (Techno Commercial Un-Priced Bid & Priced Bid), included in Section-IX, Bidding Forms.

14.2 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:

- (a) that, if required in the BDS, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IX, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in India;
- (b) that, if required in the BDS, in case of a Bidder not doing business within India, the Bidder is or will be (if awarded the contract) represented by an Agent in the country equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking

obligations prescribed in the Conditions of Contract and/or Technical Specifications; and

(c) that, the Bidder meets each of the qualification criterion.

15 Period of Validity of Bids

- 15.1 Bids shall remain valid for the period specified in the BDS after the bid submission deadline date prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.
- 15.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. A Bidder may refuse the request without forfeiting its Earnest Money Deposit (EMD). A Bidder acceding to the request will neither be required nor permitted to modify the bid.
- 15.3 Bid evaluation will be based on the bid prices without taking into consideration the above modifications.

16 Bid Security

- 16.1 The Bidder shall furnish as part of its bid, a bid security, as specified in the BDS, in original form the amount and currency as specified in the BDS.
- 16.2 If a bid security is specified, the bid security shall be a demand guarantee in any of the following forms at the Bidder's option:
 - (a) an unconditional guarantee issued by a bank or financial institution (such as an insurance, bonding or surety company);
 - (b) an irrevocable letter of credit;
 - (c) a banker's cheque or Demand Draft ; or
 - (d) any other security as specified in the BDS, of a reputed source from an eligible country. If the unconditional guarantee is issued by a financial institution located outside India, the issuing financial institution shall have a correspondent financial institution located in India to make it enforceable The bid security shall be valid for forty five (45) days beyond the original validity period of the bid, or beyond the extended period.
- 16.3 If a Bid Security is specified, any bid not accompanied by a substantially responsive Bid Security, shall be rejected by the Purchaser as non-responsive.
- 16.4 If a Bid Security is specified, the Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's signing the contract

and furnishing the Performance Security.

- 16.5 The Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the contract and furnished the required performance security.
- 16.6 The Bid Security of the bidder may be forfeited or the Bid Securing Declaration executed:
- (a) if he withdraws from the bid during the period of bid validity specified by the Bidder on the Tender Forms, or any extension thereto provided by the Bidder ; or
 - (b) if he being successful Bidder fails to:
 - (i) sign the Contract; or
 - (ii) furnish a performance security.
- 16.7 The bid security of a JV must be in the name of the JV that submits the bid. If the JV has not been legally constituted into a legally enforceable entity at the time of bidding, the bid security shall be in the names of all members as named in the letter of intent.

D. Submission and Opening of Bids

- 17 Sealing and Marking of Bids** 17.1 The Bidder shall submit the bids electronically, through the e-procurement system (<http://eprocure.gov.in/eprocure/app>). Any document submitted through any other means will not be considered as part of the Bid except for the Originals as asked for in this tender.
- 18 Deadline for Submission of Bids** 18.1 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
- 19 Late Bids** 19.1 The e-Procurement system would not allow any late submission of bids after due date and time as per server system. After electronic online proposal submission, the system generates a unique identification number which is time stamped. This shall be treated as acknowledgement of the proposal submission
- 20 Withdrawal, Substitution, and Modification of Bids** 20.1 A Bidder may withdraw, substitute, or modify its bid on the e-procurement system before the date and time specified but not beyond.

20.2 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Tender Forms or any extension thereof. Modification/Withdrawal of the Bid sent through any other means shall not be considered by the Purchaser.

21 Bid Opening

21.1 The Purchaser shall open the bids as per electronic bid opening procedures specified in Central Public Procurement Portal (CPPP) at the date and time specified. Bidders can also view the bid opening by logging on to the e-procurement system. Specific bid opening procedures are laid down at <http://eprocure.gov.in/eprocure/app> under the head “Bidders Manual Kit”. The tenderer/bidder will be at liberty to be present either in person or through an authorized representative at the time of opening of the Bid or they can view the bid opening event online at their remote end. Price Bids of only those tenderers shall be opened whose technical bids qualify.

21.2 The withdrawn bid will be available in the system therefore will be considered, If bidder once withdraws the bid then he will not be able to participate in the respective tender again. Modification to the bid shall be opened and read out with the corresponding bid. Only bids that are opened and read out at bid opening shall be considered further.

21.3 The Purchaser shall prepare a record of the bid opening that shall include; the name of the Bidder; whether there is a withdrawal, substitution, or modification; the Bid Price including any discounts and alternative bids; and the presence or absence of a bid security, if one was required. The Bidders’ representatives who are present in the office of the Purchaser to witness the bid opening shall be requested to sign the record. The omission/refusal of a Bidder’s signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be made available on the e-procurement system.

E. Evaluation and Comparison of Bids

22 Confidentiality

22.1 Information relating to the evaluation of bids and recommendation of contract award shall not be disclosed to bidders or any other persons not officially concerned with the bidding process until information on Contract Award is communication to all Bidders.

22.2 No Bidder shall contact the purchaser on any matter relating to its bid from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Purchaser it

should be done in writing.

22.3 Any effort by a Bidder to influence the purchaser in its decisions on bid evaluation, bid comparison or contract award decisions may result in rejection of the Bidder's bid.

23 Clarification of Bids

23.1 To assist in the examination, evaluation, comparison of the bids, and qualification of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids.

23.2 If a Bidder does not provide clarifications of its bid by the date and time set in the Purchaser's request for clarification, its bid may be rejected.

24 Determination of Responsiveness

24.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself.

24.2 A substantially responsive Bid is one that meets the requirements of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:

- (a) if accepted, would
 - (i) affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
 - (ii) limit in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or
- (b) if rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

24.3 The Purchaser shall examine the technical aspects of the bid submitted in accordance with instructions specified in tender document, in particular, to confirm that all requirements enumerated in the 'Schedule of Requirements' Section-VI have been complied with, without any material deviation or reservation or omission.

24.4 If a bid is not responsive to the requirements of Bidding

Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by correction of the material deviation, reservation or omission.

- 25 Conversion to Single Currency** 25.1 For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted in a single currency as specified in the BDS.
- 26 Margin of Preference** 26.1 Unless otherwise specified in the BDS, a margin of preference shall not apply.
- 27 Evaluation of Bids** 27.1 The Purchaser shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted.
- 27.2 To evaluate a Bid, the Purchaser shall consider the following:
- (a) evaluation will be done for Items or Lots (contracts), as specified in the BDS; and the Bid Price
 - (b) price adjustment due to discounts offered;
 - (c) converting the amount resulting from above, if relevant, to a single currency;
 - (d) price adjustment due to quantifiable nonmaterial nonconformities in;
- 27.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.
- 27.4 The Purchaser's evaluation of a bid shall exclude and not take into account:
- (a) in the case of Goods manufactured in the India, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder;
 - (b) in the case of Goods manufactured outside India, already imported or to be imported, customs duties and other import taxes levied on the imported Good, sales and other similar taxes, which will be payable on the Goods if the contract is awarded to the Bidder;
 - (c) any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
- 27.5 The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the Bid Price quoted. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors

selected, if any, shall be expressed in monetary terms to facilitate comparison of bids.

- 28 Comparison of Bids**
- 28.1 The Purchaser shall compare the evaluated prices of all substantially responsive bids established to determine the lowest evaluated bid. The comparison shall be on the basis of CIP-Carriage and Insurance Paid to (place of destination) prices for imported goods and EXW – Ex Works (named place of delivery) prices, plus cost of inland transportation and insurance to place of destination, for goods manufactured within India, together with prices for any required installation, training, commissioning and other services. The evaluation of prices shall not take into account custom duties and other taxes levied on imported goods quoted CIP and sales and similar taxes levied in connection with the sale or delivery of goods.
- 29 Qualification of the Bidder**
- 29.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid meets the qualifying criteria.
- 29.2 The determination shall be based upon an examination of the documentary evidence of the Bidder’s qualifications submitted by the Bidder.
- 29.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder’s qualifications to perform satisfactorily.
- 30 Purchaser’s Right to Accept Any Bid, and to Reject Any or All Bids**
- 30.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

F. Award of Contract

- 31 Award Criteria**
- 31.1 The Purchaser shall award the Contract to the Bidder whose bid has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided the Bidder is determined to be qualified to perform the Contract satisfactorily.

- 32 Purchaser's Right to Vary Quantities at Time of Award**
- 32.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section VI, Schedule of Requirements, provided this does not exceed the percentages specified in the BDS, and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.
- 33 Notification of Award**
- 33.1 Prior to the expiration of the period of bid validity, the Purchaser shall, notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter (hereinafter and in the Conditions of Contract and Contract Forms called the "Letter of Acceptance") shall specify the sum that the Purchaser will pay the Supplier in consideration of the supply of Goods (hereinafter and in the Conditions of Contract and Contract Forms called "the Contract Price"). At the same time, the Purchaser shall also notify all other Bidders of the results of the bidding.
- 33.2 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.
- 33.3 The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, after notification of award, requests in writing the grounds on which its bid was not selected.
- 34 Signing of Contract**
- 34.1 Promptly after notification, the Purchaser shall send the successful Bidder the Contract Agreement.
- 34.2 Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.
- 34.3 Notwithstanding anything contained in clause 34.2, in case signing of the Contract Agreement is prevented by any export restrictions attributable to the Purchaser, or to the use of the products/goods, systems or services to be supplied, where such export restrictions arise from trade regulations from a country supplying those products/goods, systems or services, the Bidder shall not be bound by its bid, always provided however, that the Bidder can demonstrate to the satisfaction of the Purchaser that signing of the Contact Agreement has not been prevented by any lack of diligence on the part of the Bidder in completing any formalities, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract.

35 Performance Security

- 35.1 Within twenty eight (28) days of the receipt of notification of award from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the General Conditions of Contract (GCC), using for that purpose the Performance Security Form included in Section-X, Contract Forms, or another Form acceptable to the Purchaser. If the Performance Security furnished by the successful Bidder is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Bidder to be acceptable to the Purchaser. A foreign institution providing a bond shall have a correspondent financial institution located in India.
- 35.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose bid is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

Serial No.	C. Preparation of Bids
8	<p>The language of the bid is: English or Hindi.</p> <p>All correspondence exchange shall be in English or Hindi language.</p> <p>Language for translation of supporting documents and printed literature is English or Hindi.</p>
9	The Bidder shall submit the following additional documents in its bid: NA
10	Alternative Bids shall not be considered.
11	The prices quoted by the Bidder shall not be subject to adjustment during the performance of the Contract.
12	Place of Destination: Central Purchase Organization, R.O. Finance, BANARAS HINDU UNIVERSITY, VARANASI-221005, INDIA
13	Final destination (Project Site): Central Purchase Organization, R.O. Finance, BANARAS HINDU UNIVERSITY, VARANASI-221005, INDIA
14	<p>The prices shall be quoted by the bidder in : Foreign Currency of Principal's Country (Preferably in Indian Rupees)</p> <p>The Bidder is required to quote in Indian Rupees (INR), the portion of the bid price that corresponds to expenditures incurred in Indian Rupees (INR).</p>
15	Manufacturer's authorization is Required
16	After sales service is Required.
17	The bid validity period shall be 120 days .
18	<p>EMD/Bid security shall be paid @ 2% of the estimated value(s) of quoted items or Rs. 50000/- whichever is higher by the way of Demand Draft (DD)/Bank Guarantee (BG) in favor of the Registrar, Banaras Hindu University, Varanasi-221005 and should be valid for a period of 45 days beyond the BID validity period. All tenders received without EMD/Bank Security shall be rejected.</p> <p>TENDER FEE : NIL</p>
19	Other types of acceptable securities: NA

Serial No.	D. Submission and Opening of Bids
20	<p>For bid submission purposes only, the Purchaser's address is Central Purchase Organization, R.O. Finance, BANARAS HINDU UNIVERSITY, VARANASI-221005, INDIA</p> <p>Attention : Joint Registrar (CPO)</p> <p>Street Address : Central Purchase Organization, R.O. Finance, BANARAS HINDU UNIVERSITY, VARANASI-221005, INDIA</p> <p>City : Varanasi</p> <p>ZIP/Postal Code : 221005</p> <p>Country : India</p> <p>The deadline for bid submission is:</p> <p>Date : 27 Apr, 2021</p> <p>Time : 05:00 PM</p> <p>The electronic bidding opening procedures shall be as given in Section I-Instructions for Online Bid Submission.</p>
21	<p>The bid opening shall take place at: Central Purchase Organization, R.O. Finance, BANARAS HINDU UNIVERSITY, VARANASI-221005, INDIA</p> <p>Street Address : Banaras Hindu University, Varanasi</p> <p>Floor/ Room number : Committee Room No. 2</p> <p>City : Varanasi</p> <p>Country : India</p> <p>Date : 29 Apr, 2021</p> <p>Time : 03:00 PM</p> <p>The electronic bidding opening procedures shall be as given in Section I-Instructions for Online Bid Submission.</p>

Serial No.	E. Evaluation and Comparison of Bids
22	<p>The currency that shall be used for bid evaluation and comparison purposes to convert all bid prices expressed in various currencies into a single currency is: Indian Rupees</p> <p>The source of exchange rate shall be: Reserve Bank of India.</p> <p>The date for the exchange rate shall be: Last day for submission of Bids.</p>
23	A margin of domestic preference shall apply.
24	<p>Evaluation will be done for concern equipment.</p> <p><i>Note: Bids will be evaluated for each item and the Contract will comprise the item(s) awarded to the successful Bidder.</i></p>

Serial No.	F. Award of Contract
25	<p>The maximum percentage by which quantities may be increased is: 5</p> <p>The maximum percentage by which quantities may be decreased is: 10</p>

Section IV. Prequalification

1. A notarized affidavit by the firm that it has never been black-listed must be attached along with the Bid, failing which the Bid shall be rejected.
2. Profile of each Bidder and past experience in supply of the material (certificates to be enclosed), proof of manufacturing Unit/Dealership letter and general order supplier. Manufacturer's authorization certificate as prescribed in Section IX in case bidder is not manufacturer.
3. List of other Govt. Departments, Public Sector units and Central Autonomous Bodies for which the bidder is supplying material or having the similar type of contracts and a certificate regarding the satisfactory performance of the contract.
4. Copy of the audited balance sheet of the bidder for the previous three financial years indicating the turnover in supply of the material.
5. True copy of Permanent Account Number.
6. Details of Sales Tax / VAT along with a copy of certificate to be attached.
7. Service Tax No. along with copy of certificate.
8. TIN along with copy of certificate.
9. Submission of samples if required, for all items indicated in the schedule of requirements. The make of items proposed to be supplied should be indicated in the format of the schedule of requirements and submitted along with the techno commercial unpriced bid without indicating the pricing components.
10. Willingness to execute all orders which are placed to meet emergency requirement on priority basis. The Bidder shall note that standards for workmanship, material and equipment, and references to brand names designated by the Purchaser in the schedule of requirements are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names and/or catalogue numbers in his bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

Section V. Policy of University against the Corrupt and Fraudulent Practices

University strictly adheres to its policy against corruption and requires that bidders and their agents, subagents, sub-contractors, suppliers etc. shall not indulge in any kind of corrupt practices, fraudulent practices, collusive practices, coercive practices, obstructive practices or other kinds of corruption declared as crimes under Indian law.

- a) If bidder or their agents, subagents, sub-contractors, suppliers etc. are found, directly or indirectly, involved in such practices, bid or agreement and execution thereof at any stage may be rejected or cancelled as the case may be by the University and besides it, University may initiate legal actions including civil and criminal proceeding.

For the purpose of this provision the terms are defined as follows:

- (i) “Corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;¹
- (ii) “Fraudulent Practices” is any act or omission including a misrepresentation which knowingly or recklessly made to mislead another party to obtain financial or other benefit or to avoid an obligation;²
- (iii) “Collusive Practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;³
- (iv) “Coercive Practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;⁴
- (v) “Obstructive Practice” is deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or

¹ For the purpose of this sub-paragraph, “*another party*” refers to a public official acting in relation to the procurement process or contract execution. In this context, “*public official*” includes university staff and employees of other organizations taking or reviewing procurement decisions.

² For the purpose of this sub-paragraph, “*party*” refers to a public official; the terms “*benefit*” and “*obligation*” relate to the procurement process or contract execution; and the “*act or omission*” is intended to influence the procurement process or contract execution.

³ For the purpose of this sub-paragraph, “*party*” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other’s bid prices or other conditions.

⁴ For the purpose of this sub-paragraph, “*party*” refers to a participant in the procurement process or contract execution.

intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation.

- b) Besides actions under clause (a) University may also take action to blacklist such bidder either indefinitely or for a specified period.

Part-2

Supply Requirements

Section VI. Schedule of Requirements

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1. List of Goods and Delivery Schedule

Line Item N°	Description of Goods	Quantity	Physical unit	Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
					Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the bidder]
<i>[insert item No]</i>	<i>[insert description of Goods]</i>	<i>[insert quantity of item to be supplied]</i>	<i>[insert physical unit for the quantity]</i>	<i>[insert place of Delivery]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>
1.	Dissecting Microscope	20	Nos.	As per tender documents	21	30	
2.	Binocular Microscope	15	Nos.	As per tender documents	21	30	
3.	Monocular compound Microscope	72	Nos.	As per tender documents	21	30	
4.	Binocular Microscope	1	Nos.	As per tender documents	21	30	
5.	Binocular compound Microscope	20	Nos.	As per tender documents	21	30	
6.	Single-power stereo dissecting microscope	6	Nos.	As per tender documents	21	30	
7.	Stereoscopic Binocular Microscope	25	Nos.	As per tender documents	21	30	
8.	Stereo Binocular Microscopes	10	Nos.	As per tender documents	21	30	
9.	Binocular compound Microscope	3	Nos.	As per tender documents	21	30	
10.	Inverted Microscope	1	Nos.	As per tender documents	21	30	

11.	Stereoscopic Trinocular Microscope	1	Nos.	As per tender documents	21	30	
12.	Upright Phase Contrast Microscope	1	Nos.	As per tender documents	21	30	
13.	Inverted Microsocpe with attached Camera	1	Nos.	As per tender documents	21	30	
14.	Trinoclucur Stereozoom Microscope with camera and monitor attached	1	Nos.	As per tender documents	21	30	
15.	Inverted Phase contrast Microscope	1	Nos.	As per tender documents	21	30	
16.	Trinocular Stereoscopic zoom microscope with micro photographic attachment and fiber optic illumination source.	1	Nos.	As per tender documents	21	30	
17.	Trinocular Transmitted and Incident light Petrological Microscope with 35mm camera and monitor	1	Nos.	As per tender documents	21	30	
18.	Binocular Petrological/ Polarizing Microscope	1	Nos.	As per tender documents	21	30	
19.	Upright advanced microscope	1	Nos.	As per tender documents	21	30	
20.	Imaging Facility for upright advanced microscope	1	Nos.	As per tender documents	21	30	

21.	LED Binocular Microscope with dual illumination system (with possibility to switch easily between FM and brightfield)	1	Nos.	As per tender documents	21	30	
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2. List of Related Services and Completion Schedule

Service	Description of Service	Quantity ¹	Physical Unit	Place where Services shall be performed	Final Completion Date(s) of Services
<i>[insert Service No]</i>	<i>[insert description of Related Services]</i>	<i>[insert quantity of items to be supplied]</i>	<i>[insert physical unit for the items]</i>	<i>[insert name of the Place]</i>	<i>[insert required Completion Date(s)]</i>

1. If applicable

3. Technical Specifications

"Summary of Technical Specifications"

Item No	Name of Goods or Related Service	Technical Specifications and Standards
1.	Dissecting Microscope MMV Botany (20)	Dissecting Microscope 1. Portable 2. Magnification: 20x, 30x,40x and 60x 3. Adjustable Inter Pupillary Distance:50 mm to 70 mm 4. Working Distance:150 mm 5. Fitted With Two Pairs of Eyepieces: 10x and 15x and Fixed Objective 4x 6. Compact and light weight body fixed on hollow but sturdy stand with hand rests. 7. Inclined binocular head with diopter adjustment mechanism. 8. Trans-illumination base suitable for use in natural or artificial light. 9. Fine focusing by rack and pinion motion provided with a round interchangeable milky or transparent glass plate of 100mm dia. 10.Equipped with a standard plano concave reflector. Terms and Conditions*
2.	Binocular Microscope IESD (15)	Binocular Microscope Body Made up good material with strong and sturdy base Magnification 25x – 1500x Observation Binocular 45°, 360° rotatable, with interpupillary and diopter adjustment. Focusing Separate knobs for coarse & fine motion having least count of 0.002 mm. Stage Fixed square stage with co-axial X & Y movements. Illumination Built in base LED lamp with intensity controller/regulator. Condenser Moveable Condenser with diaphragm. Nose Piece Quadruple revolving nose piece with positive click stops. Objectives Achromatic 5x, 10x, 45x & 100x oil. Eye Pieces Wide field 10x & 15x. Terms and Conditions*
3.	Monocular compound Microscope IMS Microbiology (20) ISc Zoology (20) MMV Botany (20) MMV Zoology(12)	<u>Specifications for Self illuminating Laboratory Mono-ocular Microscope:</u> 1. All metal rugged Stand with individual Coarse & Fine Focus drive with focus stop, 2. Maintenance Free ECO LED illumination including Battery backup with regulating intensity control for 220V/50Hz, 3. Movable Achromatic Condenser 0.90 NA with aperture iris diaphragm. 4. 115 X 125 mm double plate Mechanical Stage with coaxial XY Drive knobs, 5. Quadruple revolving nosepiece. 6. Achromatic objectives 4x, 10x, 40x (spring), 100x (spring, Oil imm.), 360° rotatable 45° inclined Monocular head with Widefield Eyepiece 10x/18 lockable. 7. Fungus resistant coated optics for tropical conditions. 8. The company must hold registrations for manufacturing & service under one or more of the following standards: ISO9001:2015, ISO14001:2015 Terms and Conditions*
4.	Binocular Microscope Soil Sc. IAg Sc (1)	Coaxial Coarse/ fine knobs: tension adjustment on the right side, Fine focus knob graduated, Stage movement (XY direction) on rack and

		pinion, Quadruple revolving nosepiece (fixed), plane stage 120 × 132 mm with right hand mechanical stage' Abbe condenser N.A. 1.25 (oil immersion), with aperture iris diaphragm, Blue filter, Universal Power Supply (100 V to 240 V) for 6V 20 W illuminator. Terms and Conditions*
5.	Binocular compound Microscope Animal Genetics and Breeding, Veterinary and Animal Sciences, IAg Sc. (20)	Specifications of Students binocular Microscope: <ol style="list-style-type: none"> 1. Optical system of microscope should be semi-plan achromatic or better and it should be anti-fungal treated. 2. Observation head should be 30/ 45-degree inclined binocular which is rotatable through 360 degree. 3. Eyepieces of microscope should be wide field 10X paired. 4. Nosepiece should be quadruple revolving nose piece. 5. It must have objectives of different power, include 4X, 10X, 40X and 100X. 6. Microscope should have Co-axial mechanical stage of at least 120mm X 140 mm. 7. It should have abbe condenser and continuously variable iris diaphragm, removable blue filter. 8. Focusing of microscope should have Co-axial coarse and fine controls. 9. Illumination base: LED light source with NiMH rechargeable battery backup of at least 4 hours. 10. Up gradation: Should be able to attach Phase contrast and dark field. 11. Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided. Terms and Conditions*
6.	Single-power stereo dissecting microscope MMV Zoology (6)	<ol style="list-style-type: none"> 1. Objectives are parfocaled, parcentered, and achromatic and include 2x or 3x. 2. Wide field 10x eyepieces. Optional 5x, 15x or 20x eyepieces. 3. Interpupillary adjustment from 50mm to 75mm. 4. Magnification 20x or 30x 5. Includes frosted glass stage plate and 80mm reversible black/white plastic contrast plate, with locked-on stage clips. 6. Rack and pinion focusing with slip clutch and tension adjustment. 7. 12v 10 watt built-in incidental (top) and transmitted (bottom) illumination with base mounted on/off switch. 8. Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided. Terms and Conditions*
7.	Stereoscopic Binocular Microscope ISc Zoology (25)	<ol style="list-style-type: none"> 1. Stereo Zoom Microscope with 4.3:1 or more zoom ratio, 7 Way LED illumination built-in 25,000 hour,6500 K Reflected, 4500 K Transmitted, true daylight, constant-color temperature, LED illumination for BOTH reflected and transmitted light, variable light intensity control for reflected and transmitted light. Reflected light and transmitted light can be used separately. 2. Automatic shutoff after 120 Mins or better. 3. Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided. Terms and Conditions*
8.	Stereo Binocular Microscopes ISc MHG (10)	Binocular LED Microscope Binocular with anti-fungal Infinity Corrected optical System Built in transmitted LED (LED power consumption: 0.5 W) illumination system Coaxial coarse & fine focusing knobs on both sides with torque adjustment for coarse adjustment knob, focusing stopper, quadruple revolving nosepiece with inward tilt,

		<p>Anti-fungus Plan Achromat Objectives of 4x/ 0.10 WD 27.8 mm, 10x/0.25 WD 8 mm, 40x/0.65 WD 0.6 mm (spring), 100x/1.25 WD 0.13 mm (spring, oil)</p> <p>Rackless (wire movement) mechanical XY Stage with travelling range of 76 mm X 30 mm</p> <p>Single specimen holder</p> <p>30 degrees inclined Binocular observation tube (eye point height adjustment) having Interpupillary distance adjustment range of 48~75 mm</p> <p>Widefield paired eyepiece of 10x, Abbe condenser NA 1.25, Power cord & dust cover</p> <p>Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided.</p> <p>Terms and Conditions*</p>
9.	<p>Binocular compound Microscope</p> <p>IMS Microbiology (3)</p>	<p>Specification for ADVANCED LABORATORY BINOCULAR MICROSCOPE</p> <ol style="list-style-type: none"> 1. Complete with built-in LED illumination with universal SMPS power supply for mains supply 100V~240V (Easily replaceable lamp; Universal Microscope Power supply) 2. Quintuple ball bearing inward nosepiece, co-axial coarse and fine focusing control, 3. 360° rotatable inclined Siedentopf Binocular observation tube 4. High resolution Infinity corrected Super Plan Achromatic Objectives 4x, 10x, 20X,40x (spring), 100x oil (spring) [Fungus resistant coated optics for tropical conditions] 5. Widefield paired eyepiece WH10x (F.N.22), right hand control co-axial low drive mechanical stage (stage with double slide holder), rack & pinion drive 6. Focusable Abbe condenser 0.9/ 1.25 N.A with iris diaphragm and with blue Filter. 7. The company must hold registrations for manufacturing & service under one or more of the following standards: ISO9001:2015, ISO14001:2015 8. Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided. <p>Terms and Conditions*</p>
10.	<p>Inverted Microscope</p> <p>Plant Biotechnology</p> <p>RGSC (1)</p>	<p>Inverted Microscope</p> <ol style="list-style-type: none"> 1. Microscope should be of Phase Contrast type. 2. Should have revolving Nosepiece. 3. Should have trinocular observation tube. 4. It should have LED light illumination source. 5. Should have plain stage with slide holder. 6. It should have Object Magnification 2X, 4x, 10x, 40x and 100X. 7. Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided. <p>Terms and Conditions*</p>
11.	<p>Stereoscopic Trinocular Microscope</p> <p>Mycology and Plant Pathology IAg Sc (1)</p>	<ol style="list-style-type: none"> 1. Stereoscopic Trinocular Microscope Wide field eyepieces WF 20X/13 1.5X and 2X (Objective) 2. Adjust halogen incident and transmitted light 12V/10W or 3W LED 3. Magnification range – 22.5X-200X 4. Photographic attachment 5. Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided. <p>Terms and Conditions*</p>
12.	<p>Upright Phase Contrast</p>	<p>UPRIGHT PHASE CONTRAST MICROSCOPE</p> <ol style="list-style-type: none"> 1. Observation method of microscope should be Bright field, dark field,

	<p>Microscope Veterinary Parasitology, Veterinary and Animal Sciences, IAg Sc. (1)</p>	<p>phase contrast, simple polarized light, epi-fluorescence.</p> <ol style="list-style-type: none"> 2. Illumination LED, life should not be less than 60,000 hours illumination. 3. Microscope should have good quality condenser: Universal Abbe condenser NA 1.25 with oil immersion, aperture diaphragm with position guide markings. 4. Phase contrast condenser with phase contrast slider for 10X, 40X and 100X. 5. It should have anti-mold, fungus proof eyepieces 10X, focusable. 6. It should have Coaxial coarse/fine focusing. 7. Observation tube of microscope should be, Trinocular tube, 360°C rotating with lock, fixed light pass, inter pupillary distance adjusting range 47–75 mm, inclination 30 degrees, with fixing clamp. 8. It must be supplied with four different power of objectives includes Plan achromatic (4X, 10X, 40X, 100X). 9. Stage should be rectangular with proper specimen holder clip. 10. It must be supplied with a camera of 10 Mega Pixel with adapter and software for imaging and micrometry. 11. Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided. <p>Terms and Conditions*</p>
13.	<p>Inverted Microscope with attached Camera Veterinary Surgery and Radiology Veterinary and Animal Sciences, IAg Sc. (1)</p>	<p>Inverted Microscope with LED Illumination with quadruple nosepiece Trinocular observation tube Objectives 4x,10x, 20x and 40X for bright field and phase contrast studies and 10X Eyepiece Mechanical xy stage Objective holders for petridish and 96 well plate and tissue culture flasks 50 W Hg Illumination with lamp housing and power supply Fluorescence filters for UV, Blue and Green excitation Digital fire wire camera for microscopy(with control software) with 3 M Pixel(2048 x 1536) scalable up 7 M pixel on PC only 10 bit A/D convertor Exposure time from 0.1 milliseconds to 2 seconds HDMI output for display of images on HDMI monitor Shading correction and region of interest Digital focusing aid and online histogram for image optimization Linear measurement, curved area, angle, length measurement micron bar and annotation. Attached camera and PC with suitable specifications for the above functions.</p> <p>Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided.</p> <p>Terms and Conditions*</p>
14.	<p>Trinocular Stereozoom Microscope with camera and monitor attached MMV Geology (1)</p>	<p>Stereomicroscope with integrated digital camera with CMOS sensor and necessary accessories like Eyepieces 10x/23B Focus column for S-line Inc. light base Leica LED3000RL, 58mm, , 26 inch monitor.</p> <p>Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided.</p> <p>Terms and Conditions*</p>
15.	<p>Inverted Phase contrast Microscope ISc Zoology(1)</p>	<ol style="list-style-type: none"> 1. <u>Specifications for Inverted Phase contrast Microscope with Digital camera</u> 2. Basic stand with LED illumination Four nosepiece with 20 mm Field of view. 3. Automatic adjustment of illumination to the contrast methods, Auto-off function, LED with service life of 50,000 hours, constant color temp. 4. Single Phase ring for objectives from 10x ~ 40x – No slider movement required. 5. Objective PLAN 5x, 10xPH1, 20xPH1, 40xPH1.

		<ol style="list-style-type: none"> 6. Auto adjustment of intensity changing from Bright field to Phase contrast 7. High Numerical Aperture 0.45 and long working 40mm or more Condenser. 8. Fixed stage with XY object guide for all types specimen holders 9. Integrated C-Mount 0.5x. With 50/50 beam splitting. 10. Back Camera port for better vision of sample during work. 11. Camera: HD Colour Scientific Digital Camera 12 MP CMOS/ CCD camera with 4K (60 or more Frame per second Live Image) Camera should have; USB3 live image for operation with compatible computer and Live image display on PC, software for Micron Bar, Point to Point measurement, Annotation, Shading Correction 12. Camera and microscope should be from same manufacturer. 13. Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided. <p>Terms and Conditions*</p>
16.	<p>Trinocular Stereoscopic zoom microscope with micro photographic attachment and fiber optic illumination source. MMV Botany (1)</p>	<p>Main Body Zoom body (Zoom Ratio 8:1) Zoom range: 1x-8x Total magnification: 5x-480x With body cover</p> <ol style="list-style-type: none"> 1. Eyepiece tube and lens: P-T100 Trinocular tube C-W10XB eyepiece 10X with Diopter Adjuster, Rubber Eye shields 2. Objective: P-PLAN 1X(W.D. 78mm) 3. Diascopic LED stand: Diascopic focusing stand with reflecting mirror supplied with transparent stage glass, armrest LED unit for Dia illumination stand2 3-AC AC Adapter Power cord (220-240V) 4. Double Arm Fiber Illuminator: Double arm fiber illuminator Light source for fiber illuminator 3-AC AC adapter Power cord (220-240v) 5. Colour Camera Head Microscope Camera with image sensor Number of pixels: 2880x2048 pixel 5.9 megapixels Image sensor size: 6.912x4.915mm Recordable pixels: "All pixels" mode: 2880x2048 pixel 2 vertical and 2 horizontal pixels average mode: 1440x1024 pixel ROI ½ mode: 1440x1024 pixel Live display mode "All pixels" mode (2880x2048 pixel): 15fps "2 vertical and 2 horizontal pixels average" mode (1440x1024 pixel): 30fps Exposure time: 100µsec to 30 sec Exposure control: One push auto exposure, continuous auto exposure, manual exposure Exposure correction average metering: ±1EV 1/6EV step Peak metering: -1EV~±0EV Exposure metering Range: Selectable in units of 4 pixels within effective pixel range of each camera mode Interface USB 3.0, Micro-B Receptacle 3-AC AC Adapter Power Cord (220-240V) L-shaped USB 3.0 Cable C-mount 0.55x relay lens

		<p>LV-TV Tube Adapter</p> <p>6. Image Analysis Software NIS-Elements D Documentation software, Measurement acquisition AVI Live stream (Video recording) Live image capture Calibration, measurement, count, length, area, angle, circle and eclipse</p> <p>7. Computer i5 processor required</p> <p>8. Stabilizer of 2kv</p> <p>9. Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided.</p> <p>Terms and Conditions*</p>
17.	<p>Trinocular Transmitted and Incident light Petrological Microscope with 35mm camera and monitor MMV Geology (1)</p>	<p>Reflection and Transmitted light Petrological Microscope: integrated digital camera with CMOS sensor with essential accessories like 10X eyepieces, objectives (5X, 10X, 40X), Bertrand lens, gypsum/mica plates and LED/ halogen illuminator, 26 inch monitor.</p> <p>Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided.</p> <p>Terms and Conditions*</p>
18.	<p>Binocular Petrological/ Polarizing Microscope MMV Geology (6)</p>	<p>Reflection and Transmitted light Petrological Microscope: 10X eyepieces, objectives (5X, 10X, 40X), Bertrand lens, gypsum/mica plates and LED/ halogen illuminator.</p> <p>Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided.</p> <p>Terms and Conditions*</p>
19.	<p>Upright advanced microscope ISc Geology (1)</p>	<ol style="list-style-type: none"> 1. This Microscope stands for Polarization for reflected and transmitted light microscopy, with built-in LED illumination, dovetail for interchangeable stages, height adjustable focus knobs, focus stop and torque adjustment. 2. Reflected light axis with built-in quartz plate to avoid pseudo-pleochorim, oblique illumination to increase low contrast, a centrable aperture and field diaphragm with analyzer and polarizer slot. 3. Revolving nosepiece 5-fold, centrable at all 5 each positions for maintaining the exact centering without any re adjustment. 4. 2/3-step focusing drive 5. Pol rotating stage centrable 360 deg with 2 verniers, 45 deg clickstop 6. Object guide mechanical stage for Pol-Stages with xy-control, suitable for different slide formats. 7. Smith reflector for advanced Pol-sensitivity. 8. Pol Observation phototube FOV 25mm with 3-beam splitter:- 100/50/0 9. Separate Lamp Housing for reflected and transmitted light microscopy. 10. Whole wave and Quarter plate for compensator slot. 11. Rotatable polarizer and analyser for RL and TL. 12. Centrable and focussable Bertand lens for advanced conoscopy. 13. Pol universal condenser with switchable condenser heads, with 2 centring keys, with color coding for fast and easy adjustment of the aperture diaphragm. 14. Universal Pol objective set -5x/0.15, 10x/0.30, 20x/0.50, 40X/50x/0.8, 63X/0.8 and 100x/1.25oil for transmitted and reflected light microscopy applications & eyepiece pair 10x with cross-hair

		<p>reticule.</p> <p>15. DIC contrast for TL & RL at 63x and 100x.</p> <p>16. Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided.</p> <p style="text-align: center;">Terms and Conditions*</p>																	
20.	<p>Imaging Facility for upright advanced microscope Isc Geology (1)</p>	<p>Digital Colour camera and imaging software: Digital colour camera with upto 20 Mpixel resolution Pixel size 5.6µmx5.6µm ,Color filter RGB (Bayer), Color depth 3x16 bits, Exposure time 1msec - 5sec - Dynamic range 73dB, Fast live image up to 40 fps. Imaging software for acquiring, storing, calibrating, annotating and generating measurement parameters such as length, distance, area, perimeter, diameter and angles images with a Windows style user interface. A scale bar or micron marker can be superimposed on the image with spatial calibration calculated automatically for microscope and camera combinations. A workflow guided software with step by step 2D image analysis from applying filters, thresholding, and binary image processing to measurements, tracking, and classification and reporting. Software should be capable to create an extended depth of field image. Branded PC with i7 Processor, 16 GB RAM, 2 TB hard Drive, 2 GB Graphics, 24” LED screen, latest operating system windows 10 (64 bit), Microsoft office, Laser colour printer and UPS should be supplied.</p> <p>Purchase order and Installation certificates from different institute/ colleges where this instrument has already been installed must be provided.</p> <p style="text-align: center;">Terms and Conditions*</p>																	
21.	<p>iLED Binocular Microscope with dual illumination system (with possibility to switch easily between FM and brightfield) IMS Microbiology (1)</p>	<table border="1"> <tr> <td>Body</td> <td>Sturdy, stable, base body with focus adjustment devices positioned for a prolonged comfortable use and easy, precise movement. The body shall be epoxy powder coated durable metal, heat treated and resistant to standard reagents used for staining, organic solvents used for cleaning of lenses and disinfectants.</td> </tr> <tr> <td>Optical system</td> <td>All optical parts including objectives, eye pieces, lenses, prisms, should have anti-reflective and anti-fungal coating.</td> </tr> <tr> <td>Binocular eyepiece</td> <td>Binocular eyepiece, preferably with a tube flexible for use in an upper and lower position to ease the use by different lab workers, an ergonomic viewing angle of 30°, a tube rotatable through 360° at interpupillary distance ranging from at least 48–75 mm, maintaining parfocality</td> </tr> <tr> <td>Eyepieces</td> <td>Paired, high-quality, achromatic, wide field, 10 x magnifications. The eyepieces should have a minimum field number of 18, an eyepiece diopter adjustment on at least one eyepiece and no pointer.</td> </tr> <tr> <td rowspan="4">Objectives</td> <td>All objectives should be plan achromat, infinity corrected and usable without cover glass. 20x and 40x objectives should be usable with the fluorescence. Objectives</td> </tr> <tr> <td>- 10x NA: 0.25Essential</td> </tr> <tr> <td>- 20x NA: 0.40essential</td> </tr> <tr> <td>- 40x dry: essential for confirmation</td> </tr> <tr> <td></td> <td>- 100x NA: 1.25, for oil immersion(essential)</td> </tr> <tr> <td></td> <td>- All objectives should be parfocal</td> </tr> </table>	Body	Sturdy, stable, base body with focus adjustment devices positioned for a prolonged comfortable use and easy, precise movement. The body shall be epoxy powder coated durable metal, heat treated and resistant to standard reagents used for staining, organic solvents used for cleaning of lenses and disinfectants.	Optical system	All optical parts including objectives, eye pieces, lenses, prisms, should have anti-reflective and anti-fungal coating.	Binocular eyepiece	Binocular eyepiece, preferably with a tube flexible for use in an upper and lower position to ease the use by different lab workers, an ergonomic viewing angle of 30°, a tube rotatable through 360° at interpupillary distance ranging from at least 48–75 mm, maintaining parfocality	Eyepieces	Paired, high-quality, achromatic, wide field, 10 x magnifications. The eyepieces should have a minimum field number of 18, an eyepiece diopter adjustment on at least one eyepiece and no pointer.	Objectives	All objectives should be plan achromat, infinity corrected and usable without cover glass. 20x and 40x objectives should be usable with the fluorescence. Objectives	- 10x NA: 0.25Essential	- 20x NA: 0.40essential	- 40x dry: essential for confirmation		- 100x NA: 1.25, for oil immersion(essential)		- All objectives should be parfocal
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