



VIDYASAGAR COLLEGE

NAAC ACCREDITED

39, SANKAR GHOSH LANE, KOLKATA-700006

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NIT number : VC/AICOPTAX/ ZYGENTOMA/eNIT02/2nd Call/2019

Name of Work : Procurement of a research Microscope under AICOPTAX Project entitled, ZYGENTOMA(THYSANURA): APTERYGOTA: INSECTA

EMD Amount : Rs. 10000/-

Delivery Period : Within 90 Days

Payment : 100% Advance in FDD/LC(Letter of Credit)

Technical specification for Trinocular Research Microscope with LED illumination for Transmitted Light Brightfield, Darkfield, Phase Contrast, **PLAS Differential Interference Contrast (PlasDIC)**, with Dedicated High Resolution Digital Scientific Grade Camera and Image Analysis Software with Future Up-gradation of Fluorescence Facility, preferably **make Carl Zeiss (Germany)**.

Systems	Specifications/Descriptions															
Microscope Type	Advanced research microscope for transmitted light bright field, phase contrast, Dark field & PlasDIC with image analysis system.															
Magnification	100x-1000x for observation.															
Eye piece and Observation tube	Super wide field anti-fungus type Trinocular tube with FOV 23 mm or more, with Light path selection/ light beam splitting facility F(50/50). Inter-pupillary distance adjusting range: 50-75 mm. Eyepiece: 10x/23mm FOV with diopter adjustment facility on both eyepiece.															
Nosepiece& Turret	Revolving Sextuple nosepiece. The system should have Plas DIC observation method.															
Objectives	Best suited for bright field, phase contrast, Plas DIC microscopy. Plan objective capable for doing Fluorescence Imaging. <table border="1"> <thead> <tr> <th>Objective</th> <th>N.A.</th> <th>WD</th> </tr> </thead> <tbody> <tr> <td>10xPh</td> <td>At least 0.25</td> <td>4.3 mm or more</td> </tr> <tr> <td>20X Ph</td> <td>At Least 0.45</td> <td>0.45 mm or more</td> </tr> <tr> <td>40x Ph</td> <td>At least 0.65</td> <td>0.45 mm or more</td> </tr> <tr> <td>100X Oil</td> <td>At Least 1.25</td> <td>0.22 mm or more</td> </tr> </tbody> </table>	Objective	N.A.	WD	10xPh	At least 0.25	4.3 mm or more	20X Ph	At Least 0.45	0.45 mm or more	40x Ph	At least 0.65	0.45 mm or more	100X Oil	At Least 1.25	0.22 mm or more
Objective	N.A.	WD														
10xPh	At least 0.25	4.3 mm or more														
20X Ph	At Least 0.45	0.45 mm or more														
40x Ph	At least 0.65	0.45 mm or more														
100X Oil	At Least 1.25	0.22 mm or more														
Coarse/Fine focusing	Smooth coarse and fine focusing with Focusing stopper Coarse motion torque adjustable. Torque adjustment for coarse adjustment knob															
Stage	Right handle mechanical stage with Single specimen holder with hardcoat anodized surface X/Y drive knob attachable to left or right for operator convenience. The stage movement should be Minimum 75X50mm. The Focus lifting should be minimum 24 mm or more for accommodating large samples. Stage movement stopper, Adjustable stage handle height and torque															
Condenser	Condenser suitable for Bright-field, Phase Contrast & DF microscopy applications, with lock in positions. NA: 0.9/1.25H or better															
Illumination	LED based illumination system with minimum power consumption. Working life of LED should be 45,000hrs or more. Uniform illumination across all corners at all magnifications															
Cameraand Image analysis	Camera: Dedicated digital Scientific grade camera capable of taking high resolution images, 5 Megapixel or above, High grade Cooled CMOS/CCD sensor Pixel Size: 3.45 μm x 3.45 μm or more Sensor Size: Equivalent to 2/3" sensor Format or more Live Image 36 frames / s @ 2,464 × 2,056 pixels or more Digitization 12 Bit / Pixel Interfaces USB 3.0 Super Speed (5 Gbit /s) Dynamic Range: Typical > 4800 : 1 (>73 dB) at typ. 2.2 e readout noise Dark current: < 1.0 e/p/s @ 25°C Integration Time: 0.1 ms to to 4 s Cooling: Temperature stable @ 25°C for ambient temperatures between 18°C and 30°C The Quoted Camera should be suitable to capture Bright Field, Phase Contrast, Dark Field & sensitive Fluorescence Imaging.															

Software	Software is required with features like area, length measurement, channel merging, 3D volume view, AVI acquisition
Workstation	Computer with i5 processor 4 gb RAM compatible with the microscope & camera. A UPS should also be provided.
Note	<ul style="list-style-type: none"> ➤ Microscope, Objective Lens, Camera, Software should be from same manufacturer for better compatibility and integration. ➤ Vendors should Enclosed Proper Original Catalogue and Website Links details for Evaluation of Quoted system.
Compliance Certificate	➤ The equipment should necessarily be US-FDA/ European CE certified.
Performance Certificate & User list with Supplied Order	Vendor should enclosed at least 10 User list
Warranty	Onsite warranty of at least One year should be provided.

The equipment should be supplied with appropriate dust cover, instruction manual. On-site training/ demonstrations of the equipment operation/ functions should be provided to the user scientists.

Note: Any firm quoting the rate should clearly give certificate from original manufacturer that the firm is an authorized dealer of the company/ manufacturer, and will take responsibility for the after-sale service of the equipment guaranty and warranty should be clearly indicated. Technical literature, write-up etc. on the machinery offered. The tenderer must enclose certificate from his principal to the effect that the dealer is authorized and has been trained in the installation, maintenance and servicing of the equipment.

1. GENERAL INSTRUCTIONS

In the event of tendering process, intending bidder may download the tender documents free of cost from the website; <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate. Necessary earnest money may be remitted in favour of the PRINCIPAL, VIDYASAGAR COLLEGE, strictly **through online mode only** in accordance with **G.O. No. 3975-F(Y), dated 28.07.2016** of the Finance Department, Government of West Bengal.

2. SUBMISSION OF BIDS

Both Technical bid and Financial Bid are to be submitted concurrently duly digitally signed in the website <https://wbtenders.gov.in>. All papers must be submitted in English language.

3. TIME SCHEDULES OF THE E-TENDER

THE TIME SCHEDULE FOR OBTAINING THE BID DOCUMENTS, PRE-BID MEETINGS, THE SUBMISSION OF BIDS AND OTHER DOCUMENTS ETC. WILL BE AS PER THE LIST PROVIDED IN CLAUSE NO 24 AS GIVEN BELOW.

4. ELIGIBILITY FOR QUOTING

Only manufacturers, authorized distributors, reputed vendors and direct importers with good credentials in similar jobs are eligible for quoting. The price may be quoted in foreign currency for imported items. Manufacturer/Indian Agents of OEM should submit two-parts bid, Technical and Commercial bid in separate sealed envelopes.

(i) BOQ (in excel sheet)

The folder as “Financial Bid” shall contain price in INR, EUR only including all estimated charges i.e Packing, Forwarding, consolidated Air-freight & Insurance. Rate should all inclusive taxes (including GST if applicable, Customs clearance, Packing, Forwarding, Air-freight charges, Insurance etc.)

5. SUBMISSION OF THE TENDERS

The tender is to be submitted in a two Bid System.

[A] TECHNICAL BID “A”

(a) Statutory Cover containing the following documents:

BID “A”: PART I

(SINGLE FILE MULTIPLE PAGE SCANNED)

Essential Requirements of the Tendering Firm for participation shall contain all papers related to the essential requirements of the Tenderer for participation in the tender viz.

<u>A</u>	<u>NIT and Corrigendum(if any)</u>
<u>B</u>	<u>CHECK LIST in the prescribed format</u>
<u>C</u>	<u>Authorization letter of signatory from Bidder</u>
<u>D</u>	<u>Technical Specification</u>

BID “A”: PART II

It should contain the detailed Technical Specifications of Items (in Excel sheet)

NON-STATUTORY/MY DOCUMENTS containing the following documents:

<u>Sl. No.</u>	<u>Category</u>	<u>Sub Category</u>	<u>Sub Category Description</u>
<u>A.</u>	<u>Certificates</u>	<u>A1 Certificates</u>	1. <u>PAN Card</u>
			2. <u>Professional Tax Registration Certificate</u>
			3. <u>GST Registration certificate</u>
			4. <u>Valid Trade License for the period for the specific trade</u>
<u>B.</u>	<u>Bidder Details</u>		1. <u>Proprietorship Firm (Trade License)</u> 2. <u>PAN Card of the Prop./ Firm/ Cooperative/ Society</u> 3. <u>Partnership Firm (Partnership Deed, Trade License)</u> 4. <u>Company (Incorporation certificate, Trade License)</u> 5. <u>Society (Society Registration copy, Trade License)</u> 6. <u>Power of attorney (if required)</u>
<u>C.</u>	<u>Credential</u>		1. <u>License for doing the job.</u> 2. <u>Guarantor on behalf of the bidders (if the value of quotation exceeds Rs.10 Lakh)</u> 3. <u>Guarantee of the job/product as the case may be.</u> 4. <u>Work orders and payment certificates for experience in identical work if any.</u>
<u>D.</u>	<u>Financial Information</u>		1. <u>Income Tax Returns submitted for the last Financial Year (2017-2018).</u>
		<u>P/L Accounts & Balance Sheet (if available)</u>	<u>Audited P/L Account & Balance Sheet of last Financial Year (2017-2018) or a certificate by the chartered accountant clearly stating the nature of the business and annual turnover.</u>

[B] FINANCIAL BID “B”**(i) BOQ in INR (in excel sheet)**

The folder as “Financial Bid” shall contain total price in Foreign Currency as well as Indian currency and the portion of the allied works and services which are to be undertaken in India (like installation, commissioning of equipment or PC etc.) are to be quoted in Indian currency including all charges e.g. cost of insurance, packing, forwarding, freight charges, clearing charges, custom duty and installation & transportation etc. along with applicable taxes.

The tenderers are required to submit the hard copies of BID A as per schedule more clearly described in the time line vide clause 24 along with Earnest Money Deposit (EMD) (as mentioned in clause no. 7) in separate packets by means of hand or Registered post or Courier. Submission of hard copy of Bid A to the Office of the Principal, Vidyasagar College, 39 Sankar Ghosh Lane, Kolkata- 700006 is for reference only while examining the technical bid on line and will not be treated as substitute for on line submission. Submission of hard copy of Bid B is totally prohibited and only be submitted through on line through NIC portal.

6. EVALUATION OF THE TENDERS

During the tender evaluation process, the “Bid A” will be opened first. Those Tenderer who have qualified the evaluation of technical bid will be identified and only their “Bid B”, i.e., financial bid will be opened. The “Bid B” of those Tenderer failing to meet the technical and other requirements of participating in the tender will not be opened and will be rejected. The tenderer offering the item found suitable and being as per the tender specifications will only be selected.

The “Bid B” (Financial Bids) of only these tenderers passing the technical bid evaluation will be opened then subject to verification of hard copies submitted earlier.

If found suitable in the context of above pre-qualification etc. the Tenderer quoting the lowest rate will be considered as successful.

7. COST OF EARNEST MONEY

Each tenderer has to submit, unless exempted under the existing orders of the West Bengal Government If the bidder does not provide the EMD (wherever applicable) for any quoted bid value of any department/section in respect of in Bid A, the bid of the respective bidder should be treated as cancelled.

The EMD will be refunded to the bidder(s) as per following manners--

- I. If the bidder(s) do not get any offer, the EMD will be automatically be refunded to the bidder(s) account through online mode only after finalization of the tender or within 120 (one hundred twenty) days from the date of opening of tender whichever is later against the specific prayer of Tenderer. No request for receiving the EMD amount in any other offline / online mode will be entertained at any stage by the College authority.
- II. If the bidder(s) get the work offer, but is unable to supply the materials / carry out the work order successfully and satisfactorily, the EMD will be forfeited.

8. RATE

Rate should all inclusive taxes (including GST if applicable, Customs clearance, Packing, Forwarding, Air-freight charges, Insurance etc.). The Company must be able to provide an Annual Maintenance Contract for the equipment beyond the Warranty Period. The Institute would like to enter into Annual Maintenance Contract beyond initial warranty Period with the manufacturer.

9. ORDER & SUPPLY

Orders for the supply of the approved products will be placed with the successful tenderers after the execution of the agreements, and such supply shall have to be made in such instalments as may be fixed or spread over a period to be specified in the supply orders to be made in purchase of the agreements. The successful tenderer will have to supply within the specified time schedule that had been assured at the time of selection as supplier.

10. WITHDRAWAL/CANCELLATION & PURCHASE POLICY OF TENDERING AUTHORITY

The tendering authority reserves the right to withdraw any item from the tender at any stage. The selection of such item, if already made in favour of any Tenderer, shall be treated as cancelled. The tendering authority reserves the right to reject or accept any tender or part thereof at any stage or to split any tender without assigning any reason. Withdrawal of tender or any revision after submission of tender by the Tenderer will not be allowed unless otherwise required by the tendering authority. The tendering authority reserves the right to accept or reject any tender, in part or in full, without assigning any reason.

Purchase will, however be made following the existing purchase policy of the Government of West Bengal and its amendment(s) made from time to time. The purchase policy of the State Government as provided in the West Bengal Financial Rules, the policy of price preference in particular incorporated under Notification No. 10500-F dated 19.11.04 read with Notification No. 5400-F dated 25.06.2012 should be observed in considering the tenders.

11. IMPORTANT INSTRUCTION WITH REGARD TO SUBMISSION OF TENDER

The rate may be quoted in foreign currency(Euro) or indian currency (in figure) for the item as quoted. Rate should all inclusive taxes (including GST if applicable, Customs clearance, Packing, Forwarding, Air-freight charges, Insurance, CIP , FOB etc.).

12. SPARE PARTS

The Bidder will undertake the supplies of necessary maintenance equipment and spare parts will be made available for all items and the complete system for at least five years on a continuing basis. However, this does not relieve the supplier of any warranty obligations under the contract.

13. AMC

13.1 The Company must be able to provide an Annual Maintenance Contract for the equipment beyond the Warranty Period. The Institute would like to enter into Annual Maintenance Contract beyond initial warranty Period with the manufacturer

13.2 All faults appearing and their rectification shall be periodically advised to the laboratory, the period being not more than a month.

13.3 Any lacuna or lacunae noticed in the functioning of the installation as a result of any design feature shall be rectified by the supplier free of cost.

14. AFTER SALES SERVICES AND MAINTENANCE CONTRACT

After sales services will have to be provided by the supplier during warranty/guarantee period of the equipment free of cost.

15. DELIVERY, INSTALLATION AND COMMISSIONING

15.1 Delivery of the goods at the purchaser's premises shall be completed by the Supplier in accordance with the terms specified by the purchaser.

15.2 The installation, testing and commissioning of the proposed system shall be completed in accordance with the order.

16. SPECIAL TERMS AND CONDITIONS FOR TENDER SUBMISSION

The tender has to give a certificate that the firm has not been blacklisted in the past by any Institution Government/Private or convicted in any criminal case.

If the tenderer gives a false statement on any of the above information the firm/supplier will not be considered and their quotation/tender shall be rejected and the earnest money shall be forfeited.

The manufacturer should submit all the quotations directly or through their authorized agent were applicable provided the manufacturer accepts responsibility for any lapse on the part of the agent and authorization certificate must be enclosed.

17. PENALTY CLAUSES

PENALTY FOR FORMATION OF CARTEL OR FURNISHING OF FRAUDULENT/MISLEADING DOCUMENTS:

If during the tender process or at any stage during the validity of the tender period, it is found that a Tenderer(s) has formed a cartel in what so ever form or name to fix up the rates or suppliers to the detriment of the fairness of the tender process, penal measures shall be initiated. Similar penal measures shall also be initiated against those tenderers who have submitted false/misleading/fraudulent documents or made incorrect declarations. The penal measure will be Forfeiture of Earnest Money, Forfeiture of Performance Bank Guarantee if enlisted as a supplier.

18. APPEAL

Appeal against the decision of the Principal, Vidyasagar College, 39 Sankar Ghosh Lane, Kolkata- 700006 to impose such a penalty will lie with the Director of Public Instruction, Department of Higher Education, Government of West Bengal.

19. AGREEMENT

On a tender being accepted, intimation of acceptance will be forwarded to the Tenderer by the Principal, Vidyasagar College, 39 Sankar Ghosh Lane, Kolkata- 700006. After communication of the same, the Tenderer and the selected distributor (in the event of distributor to receive order and payment in his name) will have to execute agreement in the prescribed form with the Principal, Vidyasagar College, 39 Sankar Ghosh Lane, Kolkata- 700006. The present document and the tender forms filled in by the Tender or copies thereof in so far as they are not inconsistent with these terms and conditions will be incorporated as part of the agreement. Such agreement will be binding on the Tenderer and distributor.

20. VALIDITY PERIOD OF AGREEMENT

The contract period will be for a period decided by the tendering authority while giving work order top the bidder depending upon the job.

21. INSPECTION

Before submitting the tender, the intending tenderers should thoroughly acquaint themselves with the proposed supply and installation by local inspection of site and make into consideration the site condition and other criterion for effecting smooth supply. No claim whatsoever will be entertained afterwards.

22. PAYMENT TERMS

Where items are imported and the payment is desired to be made to their foreign Principals directly, the same will be made against Irrevocable Letter of Credit (L/C)/CAD/TT for 100% of order value.

The order acknowledgement should be issued by mail or hard copy, and the item should be airlifted within the delivery period from the date of receipt of the (L/C)/CAD/TT, as the case may be.

No advance money will be provided to the eligible bidders/suppliers.

Payment will be made through e-payment system through RTGS / NEFT as the case may be after execution and accomplishment of due supply as ordered subject to:

- i. Supply of the materials as per specification as provided in the tender documents and the catalogue.
- ii. Supply of the materials within the supplied period as specified in the work orders.
- iii. Availability of fund in PFMS and IFMS Module as the case may be

On being selected, the successful vendors will have to submit one application to the Principal, VIDYASAGAR COLLEGE, 39 Sankar Ghosh Lane, Kolkata and concerned procuring authorities stating the name of the payee/recipient, Bank account no with MICR code, IFSC of the payee/recipient for making e payment.

No manual payment is allowed to be made as far as practicable.

Payment will be made 100% after successful completion of the job.

23. DATES & INFORMATION:

<u>Sl. No.</u>	<u>Items</u>	<u>Publishing Date(s)</u>
01.	<u>Date of uploading of N.I.T. & Tender documents (online) from this end</u>	18.04.2019 after 2.30 PM
02.	<u>Starting of Documents download (online)</u>	18.04.2019 after 2.30 PM
03.	<u>Bid Submission starting (on line)</u>	18.04.2019 after 2.30 PM
04.	<u>Last date of Documents downloads and submission of bid (on line)</u>	24.04.2019 upto 2:30 PM
05.	<u>Date of Technical Bid opening</u>	26.04.2019 after 2:30 PM
06.	<u>Date of uploading list for Technically qualified Bidder (on line) (Bid A)</u>	To be notified Later
07.	<u>Date and Place for opening of Financial Proposal (Bid B) (online)</u>	To be notified Later
08.	<u>Date of uploading of list of bidders along with the approved rate</u>	To be notified later

THE PRINCIPAL, VIDYASAGAR COLLEGE, 39 SANKAR GHOSH LANE, KOLKATA RESERVES THE RIGHT TO CHANGE THE ABOVE SCHEDULE IN CASE OF ANY EXIGENCIES AFTER PUTTING UP A NOTICE IN THE WEBSITE; <https://wbtenders.gov.in> AND OFFICE NOTICE BOARD.

24. VALIDITY OF TENDER:

The contract period will be for a period decided by the tendering authority while giving work order top the bidder depending upon the job.

No objections in this respect will be entertained raised by any Bidder who will remain present during opening of bid, or from any Bidder who will remain absent at the time of opening of Financial Bid. No informal tenderer will be entertained in the Bid further.

During the scrutiny, if it come to the notice to tender inviting authority that the credential or any other paper found incorrect/manufacture/fabricated, that bidder would not allow to participate in the tender and that application will be out rightly rejected without any prejudice.

Prospective bidders must take training from authorized agencies before submission of their bids.

The Central Tender & Purchase Advisory Committee of the College reserves the right to cancel the N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.

25. N.B.:

During evaluation, the Tender Inviting Authority may summon the tenderers (if required) & seek clarification/ information or additional documents or original hard copy of any of the documents already submitted & if they are not produced within the stipulated time frame, their bid will liable to be rejected.

Sd/-

Principal

VIDYASAGAR COLLEGE

39 Sankar Ghosh Lane, Kolkata- 700006

FORMAT FOR CHECK LIST

<u>Sl.N</u> <u>o.</u>	<u>Items</u>	<u>Please Mark v</u>		<u>Page</u> <u>No.</u>
		<u>Yes</u>	<u>No</u>	
<u>01.</u>	<u>PAN Card of the authorized signatory</u>			
<u>02.</u>	<u>Professional Tax Registration Certificate</u>			
<u>03.</u>	<u>GST Registration certificate</u>			
<u>04.</u>	<u>Valid Trade License for the period for the specific trade</u>			
<u>05.</u>	<u>Proprietorship Firm (Trade License)</u>			
<u>06.</u>	<u>Partnership Firm (Partnership Deed, Trade License)</u>			
<u>07.</u>	<u>LTD Company (Incorporation certificate, Trade License)</u>			
<u>08.</u>	<u>Society (Society Registration copy, Trade License)</u>			
<u>09.</u>	<u>Power of Attorney(if required)</u>			
<u>10.</u>	<u>Manufacturing License</u>			
<u>11.</u>	<u>Manufacturer's guarantee</u>			
<u>12.</u>	<u>Work orders and paying certificates for experience in identical work in last 3 Financial Year with minimum 80% of bid value.</u>			
<u>13.</u>	<u>Income Tax Returns submitted for the Financial year 2017-18</u>			
<u>14.</u>	<u>Audited P/L Account & Balance Sheet of last Financial Year (2017-2018) or a certificate by the chartered accountant clearly stating the nature of the business and annual turnover</u>			
<u>15.</u>	<u>Whether Blacklisted previously</u>			
<u>16.</u>	<u>Whether involved in any criminal case</u>			
<u>17.</u>	<u>Whether the bidder has bank A/C in the name as of quotation for receiving payment</u>			