



TEA RESEARCH ASSOCIATION  
TOCKLAI TEA RESEARCH INSTITUTE  
CINNAMARA, JORHAT-785 008, ASSAM, INDIA

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Ref: 3622/TOK/G.23/ 737

25<sup>th</sup> July, 2023

**Notice Inviting Tender No. TRA-Tocklai/23-24/01 Dated 25.07.2023**

Sealed tenders in two parts (Technical Bid & Financial Bid) are invited by the Director, Tocklai Tea Research Institute, Tea Research Association from reputed manufacturers / authorized dealers / importers for supply of Instrument / Equipments under the Government of Assam sponsored project “Infrastructure Development of Preserving the invaluable Repository of Insect Collection of Tocklai in Digital Format” at Tocklai Tea Research Institute, Jorhat - 785008, Assam. Both the bid documents are to be put in sealed envelopes separately super scribing the words “Technical Bid “ & “Financial Bid” which are to be put together in the sealed envelope super scribing the Tender No. The details of instruments/equipments are shown as ‘Annexure – A’ enclosed herewith.

**Last date of issue/receipt of tenders: 16.08.2023 up to 5.00 p.m.**

**Terms and Conditions:**

- 1) The tenderer should submit the following documents along with the tender:
  - a) Dealership certificate/authorization certificate
  - b) List of users
  - c) Up-to-date sales tax/GST /income tax clearance certificate
- 2) **Earnest Money 2% (refundable)** of the quoted amount is to be deposited by the tenderer in the form of Bank draft/Bankers certificate in favour of “Tea Research Association” payable at Jorhat.
- 3) **Tender Document Cost (non refundable) of Rs. 1,000/-** is to be deposited in the form of separate Bank Draft in favour of “Tea Research Association” payable at Jorhat.
- 4) Tenders must accompany with the product catalogues/ specification.
- 5) Tenderers must quote the warranty period of the product.
- 6) **Tenderers must quote the year-wise rate for CMC or AMC separately for a further period of 5 years beyond the warranty period.**
- 7) **Instruments / Equipments are to be delivered/installed FOR/CIP at Tocklai Tea Research Institute, Jorhat – 785008, Assam.**
- 8) The Director reserves the right to accept or reject the bids without assigning any reason thereof. The
- 9) tender document can be obtained from the office of the undersigned during working days from Monday to Friday (8-30 am to 5.00 pm) or **may be down loaded from the website [www.tocklai.org](http://www.tocklai.org).**

**Tender should be accompanied by Tender Document Cost of Rs. 1,000/- and Earnest Money 2% of the quoted amount, failing which the tender will be rejected. The drafts for EMD and Tender Document Cost should be enclosed with “Financial Bid” only. All tenders should be sent to the following address:**

The Director,  
Tea Research Association  
Tocklai Tea Research Institute,  
Cinnamara, Jorhat-785 008, Assam.

**DIRECTOR**



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**Annexure – A**

**SPECIFICATIONS OF EQUIPMENTS/ INSTRUMENTS**

Sl. No.	Items	Unit No.	Revised Specifications
1.	<b>Binocular Microscope with Computer attached Image Analyzer</b>	<b>01</b>	<b><u>Standard Make:</u></b> <ul style="list-style-type: none"><li>• The microscope with observation head inclined at 45° rotatable at 360°.</li><li>• Should have diaptor adjustment ring on ocular tube.</li><li>• Interpupillary distance should be from 52mm to 76mm or better.</li><li>• Should be supplied with a pair of wide field 10X eyepiece with 22mm FOV.</li><li>• The working distance should be 115 mm or better.</li><li>• Should have zoom range of 0.8X to 5.0X with magnification ratio of 1:6.3</li><li>• The magnification range should be 8x-50x or better.</li><li>• Should facilitate Track stand with fan type base, Lateral zoom control movement, reflected &amp; transmitted LED illuminator and Clip for holding specimen. The base size should be 285mm X 258mm.</li><li>• Should have incident and transmitted light systems with LED lamps. Both lights should be regulated with power supply and should have separate brightness controls.</li><li>• The microscopic camera should have 5.5MP FULL HD CMOS Color sensor with 2592 x 1944 (8 bit) &amp; 640 x 480 (24 Bits) resolution and Pixel Size 2.8 x 2.8µm or more.</li><li>• Should have fast framerate of 60fps at 1080P and should also support HDR.</li><li>• Should have dynamic resolution of 30fps or more with High Dynamic Range and Digital Noise Reduction support.</li><li>• Should facilitate PC via USB, LED TV or HD Monitor via HDMI PORT and Multimedia Project via HDMI Cable Camera Control via Remote Control device and should have SD Memory card support of 32 GB or more.</li><li>• Should have HDMI, USB, SD Card output facility.</li><li>• The software should provide provision to open 1 to 4 cameras at a time. It should facilitate measurement on live zoom preview, Capture still and video format Capture at time interval (Time Lapse),</li></ul>



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			<p>Instant image capturing, Real time full screen image Programmed interval captures, Video capture by time settings, Easy measurement calibration Background correction.</p> <ul style="list-style-type: none"><li>• It should have Scale Bar Facility, On line (Live) Measurement in microns, inches, millimeters, Length measurements, Ellipse, Rectangle, Irregular shape measurements, Perimeter, Radius, Circumference measurements, Angle measurements Magnifier (zoom) functions.</li><li>• Distant Image sharing, On-line files sending/receiving, Image amalgamation Image adjustment effects, Data export, Report generating and print out features should be available.</li><li>• The microscope and digital camera &amp; software should be from the same manufacturer to have better compatibility and ease of after sales support and the valid CE, ISO certifications of the quoted model should be submitted along with the quote.</li><li>• The bidder should be ISO certified and should have local after sales service support facility and proven track record of providing service for the same or similar instruments in the NE Region of India with the documentary evidence and should have OEM Certified trained engineer and service centre in NE region and should provide the contact details of the same.</li></ul>
2	<b>Smart TV</b>	<b>01</b>	<p><b><u>Standard Make:</u></b></p> <ul style="list-style-type: none"><li>• 65-inch full UHD Smart TV / USB, HDMI / 4K Ultra HD (3840 x 2160) / Bluetooth, Wi-Fi, USB, HDMI / Wall Mount and Stand.</li></ul>
3	<b>Workstation</b>	<b>01</b>	<p><b><u>Standard Make:</u></b></p> <ul style="list-style-type: none"><li>• <b>Processor</b> - Intel Xeon Processor (Intel Quad-Core Xeon) / E-2224G Processor 3.5GHz or higher</li><li>• <b>RAM</b> - 16GB DDR4 RAM</li><li>• <b>HDD</b> – 512 SSD and 2 TB STATA as secondary</li><li>• <b>Form Factor</b> – Tower</li><li>• <b>USB</b> – 8 USB, 2 in front</li><li>• <b>Graphics</b> – Minimum 4 GB Full HD graphics card or higher</li><li>• <b>Display</b> – 24 inch LED IPS Display with 1920 x 1080 Pixels FHD, 75 Hz</li><li>• <b>I/P</b> – MM Key Board and Optical Mouse</li></ul>



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			<ul style="list-style-type: none"><li>• <b>OS</b> – Windows 10 Pro or higher</li><li>• <b>Optical Drive</b> – Slim optical drive internal or external</li><li>• <b>Warranty</b> – 3 years</li></ul>
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