



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

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Ref: 3622/TOK/G.26/1644

29th September, 2026

Tender No. TRA/Tocklai/2025-26/T-255 Dated 29.09.2026

Sealed tenders in two parts (Technical Bid & Financial Bid) are invited by the Director, Tea Research Association from authorized parties for procurement of Equipment(s) under DBT Approved Project (BT/PR52307/NER/95/2020/2024) at Tocklai Tea Research Institute, Tea Research Association, 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 required equipments are shown as 'Annexure – A' enclosed herewith.

Last date of issue/receipt of tenders: 14.10.2026 up to 5.00 pm.

Terms and Conditions:

- 1) The tenderer should submit the following documents along with the tender:
 - a) Dealership certificate/authorization certificate
 - b) OEM authorization letter with the tender details along with the details of authorization letter issuer should be provided along with the offer (in-case of bidder is not a manufacturer)
 - c) List of users
 - d) 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/ technical data sheet from the OEM.
- 5) Tenderers must quote the warranty period of the product as per their company's rule.
- 6) Bidder should not have any police case and / or black listed in any institution of Assam. Undertaking must be provided on their company's letterhead. If found incorrect, bids will be rejected.
- 7) **Instruments / Equipments are to be delivered/installed FOR/CIP at Tocklai Tea Research Institute, Jorhat – 785008, Assam.**

TRA reserves the right to accept or reject the bids without assigning any reason thereof. This tender document can also be obtained from the office of the undersigned during working days from Monday to Friday (8-30 am to 5.00 pm).

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
TRA**

Registered Office:

Tea Research Association, 113 Park Street, Kolkata - 700 016, INDIA
Ph : 91-033-22291815, 22297943, Fax : 91-033-22294271, Web : www.tocklai.net

Annexure – A
SPECIFICATIONS OF EQUIPMENT AND INSTRUMENT

Sl No.	Items	Unit	Specification
01	Vacuum chamber system	01	1. Scope of application: The equipment shall be used for controlled withering and conditioning of freshly harvested tea leaves under an anaerobic or inert-gas atmosphere. The system shall provide a vacuum-tight, corrosion-resistant chamber capable of evacuating air and introducing a suitable inert gas, such as nitrogen to reduce oxygen exposure during processing. The supplied system shall include the chamber, compatible vacuum pump, gas cylinder, regulator, hose/pipe, valves, fittings, and all accessories necessary for safe installation, operation, and commissioning. 2. Vacuum chamber i. Stainless-steel vacuum-tight chamber fitted with wire mesh tray for tea-leaf withering and inert-gas treatment ii. The volume of the chamber should be minimum 20 litter with vacuum Up to 0.1 mbar iii. Internal chamber should me made up of corrosion-resistant Stainless steel 316 with smooth surfaces iv. Transparent viewing window or transparent door section with a secure locking mechanism v. Door seal made of high-quality materials like silicon for vacuum tight chamber vi. Dedicated SS vacuum port fitted with valve and connection to vacuum pump vii. Dedicated inert-gas inlet port with valve and connection to the regulator/gas line viii. Analog or digital gauge suitable for monitoring chamber pressure ix. Outer body made up of corrosion-resistant heavy-duty construction 3. Vacuum pump i. Laboratory vacuum pump compatible with the supplied chamber ii. Maximum flow rate approximately 15 L/min or greater iii. Minimum Vacuum of 30 inHg or better, or sufficient to achieve the specified chamber vacuum iv. Accessories for connecting pump to the chamber must be provided

			4. Gas cylinder i. Gas cylinder filled with nitrogen, helium and argon will be provided ii. Capacity of the gas cylinders should be 47L water capacity iii. Gas purity should be minimum 99.9% 5. Regulator, tubing, valves, and fittings i. A suitable pressure regulator shall be supplied for the proposed inert gas and cylinder pressure. ii. Pipe and hose of suitable rating will be provided for connection vacuum pump and gas cylinder to the chamber iii. Shut-off valves, non-return/check valves where required, connectors, adapters, clamps, and sealing materials shall be provided. 6. Installation, and training and warranty i. Installation and commissioning shall be carried out at TTRI, Jorhat. ii. The supplier shall provide practical training covering routine maintenance. iii. The system shall have a comprehensive warranty for at least one year from the date of satisfactory installation and commissioning, covering all parts
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