



**KERALA AGRICULTURAL UNIVERSITY**  
**PINEAPPLE RESEARCH STATION**  
**Vazhakulam, Muvattupuzha, Kerala - 686670, India**



No.PRS/ R52/20

Date: 01-09-2021

**TENDER NOTICE**

Sealed and competitive tenders are invited for the **supply and installation of Oxygen Carbon dioxide and Ethylene Analyser (Triple gas analyser)** for estimation of oxygen, carbon dioxide and ethylene gas concentration in the head space of packages and inside cold room at Pineapple Research Station, Kerala Agricultural University, Vazhakulam as per the specifications and terms & conditions detailed below.

Sl. No.	Item	Quantity	Specifications		
1	Oxygen Carbon dioxide and Ethylene Analyser (Triple gas analyser)	1	Air Sampling rate	80mL/min – 500mL/min	
			Measuring rate	1 second intervals	
			Display	Sunlight visible transfective LCD	
			Operating Environment	0°C – 45°C (0-90% humidity non condensing)	
			Power source	Removable rechargeable lithium-ion battery	
			PC Interface	USB and SD Card	
			Data Recorded with each measurement	Ethylene, CO <sub>2</sub> and O <sub>2</sub> concentrations, Date, Time, RH, Temperature, GPS location	
			Oxygen	Sensor type	Electrochemical
				Range	0-100%
				Resolution	0.10%
				Lower detection limit	0.30%
				Accuracy	0.30%
			Carbon dioxide	Sensor type	Infrared
				Range	0-100%
				Resolution	0.01%
				Lower detection limit	0.50%
				Accuracy	0.50%
			Ethylene	Sensor type	Electrochemical
				Range	0-200 ppm
				Resolution	0.1 ppm
Lower detection limit	0.15 ppm				
Accuracy	2 ppm				

Delivery date of items : Within 20 days of confirmation of tender

Last date for receipt of the tender : At 03.00pm on **26/10/2021**

Date and time of opening of tender : At 03.30pm on **26/10/2021**

*Tel. & Fax: 0485-2260832 E-mail: prsvkm@kau.in Website: prsvkm.kau.in*

## **Terms and conditions**

### 1. Tender form

The tender form may be downloaded from the following web link in the internet [http://www.kau.in/sites/default/files/documents/kau\\_tender\\_form.pdf](http://www.kau.in/sites/default/files/documents/kau_tender_form.pdf) The cost of tender form and EMD will be accepted **by way of separate DDs** taken in favour of **Professor and Head, Pineapple Research Station, Kerala Agricultural University, Vazhakulam, Muvattupuzha, Ernakulam (dist.), Pincode:686670 and payable at State Bank of India, Vazhakulam (IFSC -SBIN0007844)** along with tender. The tender cost and GST amount should be specified, while submitting the tender.

**Cost of Tender Form: ₹1500/- + ₹270/- (18%GST) = ₹1770/-**(both as separate DD's)

### 2. Earnest Money Deposit (EMD):

One percent of the value of the tender for **supply and installation of Oxygen Carbon dioxide and Ethylene Analyser** (Triple gas analyser) rounded to the nearest Rupee has to be remitted as EMD along with the tender as separate DD drawn in favour of **Professor and Head, Pineapple Research Station, Kerala Agricultural University, Vazhakulam, Muvattupuzha, Ernakulam (dist.), Pincode: 686670 and payable at State Bank of India, Vazhakulam (IFSC -SBIN0007844)**

3. The tender should be accompanied by an agreement in Kerala stamp paper worth **₹200/- (Rupees Two Hundred Only)** in the prescribed format that can be downloaded from the website, <http://www.kau.in/tenders>
4. The sealed cover containing the tender documents should be superscribed as **“Tender for the Supply and installation of Oxygen Carbon dioxide and Ethylene Analyser (Triple gas analyser)”**.
5. The successful tenderer should further execute an agreement in Kerala Stamp paper worth **₹200/- (Rupees Two Hundred Only)** and furnish a **Security Deposit** of 5% of cost the item/work quoted in the form of term deposit/bank guarantee/demand draft drawn in favour of **Professor and Head, Pineapple Research Station, Kerala Agricultural University, Vazhakulam, Muvattupuzha, Ernakulam (dist.), Pincode:686670 and payable at State Bank of India, Vazhakulam (IFSC-SBIN0007844)** only when directed from this office. The format of this agreement also can be downloaded from the website, <http://www.kau.in/tenders>
6. The rate quoted should be inclusive of all charges (tax, transportation and installation charge etc.) and should be valid for a minimum period of 1 year w.e.f the date of tender notice. Successful test run of the Oxygen Carbon dioxide and Ethylene Analyser (Triple gas analyser) in the Research Station should be performed for effecting payment.
7. Institutions under KAU are exempted (registered with DSIR) from payment of customs and excise duty for our procurements and hence prices quoted should be exclusive of these. The cost of the item, tax and other charges should be separately stated. The institution is eligible for concessional GST at 5% as per rules.
8. The exact specification, details of make, model, name of the manufacturer, name of the country etc. of the item must be clearly specified in the technical literature and brochures of the item have also to be furnished along with the tender.
9. Warranty details, firmness of the quoted price should be clearly stated.
10. Minimum of two years warranty is required as per rules.

11. The Head of Station has the right to accept or reject any or all of the offers without assigning any reason.
12. If any Harthal/strike/any unexpected holiday occurs on the date of opening of tender, the tender will be opened on the next working day.
13. All the rules and regulations applicable to Government tender will be applicable to this tender also.

**Special Conditions**

1. Tenders insisting payment in advance either full or part for releasing the documents through bank are liable for rejection.
2. Leaflets/brochures containing technical features on the different models of the items quoted should be attached with the tender.
3. In the case of electrically operated equipment, the circuit diagram will have to be supplied.
4. Payment will be made after satisfactory installation and demonstration of the working of the equipment. Tenderer is liable to replace the defective articles/rectify the defective item of work within 24 hours on receipt of intimation. Payment will be made only by Cheque.
5. Operation manual and guarantee cards of the equipment wherever required should be supplied along with equipment.
6. The supplier should attach the client list for the equipment along with their performance certificate, spare parts availability and services facilities at or nearest to the concerned station.

Sd/-

Professor & Head