

Centre for Agricultural Research and Innovation (CARI)  
Department of Agriculture  
Guru Nanak Dev University, Amritsar

Ref. 865 /CARI

Dated 08/01/2026

NOTICE, INVITING QUOTATION

Subject: Sealed quotations for the purchase of Ethylene Generator: -

Technical Specifications – Ethylene Generator

Sr. No.	Parameter	Specification Required
1	Item Name	Ethylene Generator
2	Application	Controlled ripening of fruits and vegetables
3	Suitable For	Bananas, Mangoes, Papayas, Avocados, Tomatoes, Apples, Pears, and similar climacteric fruits
4	Ripening Capacity	Suitable for ripening chambers up to 30 Metric Ton (MT)
5	Ethylene Generation Method	Controlled ethylene gas release using liquid ripening concentrate
6	Tank Capacity	1.4 litres (minimum)
7	Output Control	Minimum 4 adjustable output settings for controlled ethylene release
8	Operating Mode	Automatic / intelligent ethylene release for uniform ripening
9	Ripening Quality	Ensures uniform ripening, enhanced colour, aroma, texture, and flavour
10	Power Consumption	Low power consumption; energy-efficient operation
11	Maintenance Requirement	Low maintenance; suitable for continuous long-term use
12	Suitability	Organic farming units, small food processing plants, medium & small ripening chambers
13	Sensors	"Sense All" sensor system or equivalent for monitoring ripening parameters
14	Control & Monitoring System	Computer-based control and monitoring
15	Supplied Computer	Branded desktop computer supplied from local source
16	Desktop Configuration	Intel Core i3-7100 or equivalent
17	RAM	Minimum 4 GB DDR4, expandable up to 32 GB
18	Storage	Minimum 1 TB HDD
19	Graphics	Onboard graphics plus minimum 2 GB dedicated graphics

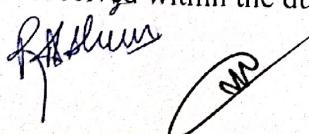
*P. K. Singh* *21*

*J. S. Dhillon*

20 Display Support	Supports minimum <b>60 Hz refresh rate</b>
21 Operating System	<b>Windows 10 Professional (licensed)</b>
22 Optical Drive	DVD-RW
23 Chipset	Intel® B250 or equivalent
24 Ports	No serial port required
25 Monitor	<b>19.5-inch LED Monitor, 16:9 aspect ratio</b>
26 Monitor Resolution	Minimum <b>1600 x 900 @ 60 Hz</b>
27 Ripening Concentrate	Supplied with <b>15 litres RipePlus Fruit Ripening Concentrate</b> or equivalent
28 Installation	On-site installation and commissioning included
29 Training	Basic operational training to end users
30 Warranty	Minimum <b>1 year warranty</b> on equipment
31 Compliance	Equipment must comply with relevant food safety and electrical standards
32 Documentation	User manual, operation guidelines, and safety instructions to be provided

### Terms & Conditions:

1. Quotations should be addressed to **Coordinator, CARI, Department of Agriculture (Near U I T building), Guru Nanak Dev University, Amritsar- 143005**, so as to reach this office **27 January, 2026 (Tuesday)** at 4.30 p.m. under **registered speed** post duly **super-scribed** on the envelope **"Quotation for Ethylene Generator"**.
2. Rates should be inclusive of all taxes, duties, installation and levies in Indian Rupees F.O.R. G.N.D. University, Amritsar, otherwise quoted price will be treated as all inclusive. Rates should be written both in words and figures.
3. The institutional discount should be mentioned clearly.
4. The Quotations shall be written legibly and free from erasing and over-writing. Corrections, if any, should be duly attested by authorized signatory.
5. Bids received within the due date only will be entertained.




6. The quotation should be valid for a period of 60 days for acceptance from the date of opening of the bids.
7. Bidders cannot withdraw their offer once it is submitted.
8. The vendor may quote the items, which meets the requirements and specification along with the layout, make, model, material specifications, dimensions, brochures, photo catalogues of items along the quotation.
9. GNDU Committee also reserves the right to accept/reject the offers or cancel the whole proceedings without assigning any reason whatsoever. In case of any dispute, the matter will be referred to Vice-Chancellor, Guru Nanak Dev University, Amritsar
10. Decision will be binding and final. Bidders are not entitled to claim any damage or compensation in case of such cancellation.
11. Jurisdiction: The disputes, legal matters, court matters, if any shall be subject to Amritsar Jurisdiction only.
12. The delivery of Ethylene **Generator** in the Department of Agriculture in G.N.D. University shall be made within 20 working days of the issue of supply order, failing which the order will be withdrawn.
13. All materials shall be new, unused, and of standard make.
14. The bill payment process will be started as per institutional norms after the purchase of **Ethylene Generator**



Coordinator, CARI  
Co-ordinator  
Centre for Agricultural Research  
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