



BIDHAN CHANDRA KRISHI VISWAVIDYALAYA

PO- Krishiviswavidyalaya, Mohanpur, Nadia, West Bengal, Pin- 741252
Project "Establishment of Integrated Post-Harvest Handling and Processing
Infrastructure for Sustainable Floriculture Development"

Re-Tender Notice for CO₂ Cylinder Supply and CO₂ Cylinder Refilling (2nd call)

Ref. No. RKVY/ PHT/ 2026-LTC-2(RT)

Dated : 13/03/26

Rates are invited from the eligible vendors having good credential including GST clearance in sealed cover for supply of the following items for the project - " **Establishment of Integrated Post-Harvest Handling and Processing Infrastructure for Sustainable Floriculture Development**, at Directorate of Research, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur. The quotations should be dropped in the allotted " **Tender Box**" kept at Directorate of Research, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal, Pin- 741252, **within 10days from the date** of publication of the notification

Sl. No.	Name of the Item	Qty.	unit	Quoted amount (INR)
1	<p>CO₂ SUPPLY SPECIFICATION For Supercritical CO₂ Extraction Plant – Cylinder Mode. Only Food/Beverage grade, dry, oil-free CO₂ of purity ≥99.5% with valid COA shall be accepted for use in the SC-CO₂ extraction system. Gas containing oil contamination, excess moisture, or without documentation shall be rejected. Purity- Minimum: ≥ 99.5% v/v, Preferred: ≥ 99.9% v/v</p> <p>Cylinder Specification</p> <ul style="list-style-type: none"> Type: High-pressure steel CO₂ cylinder Capacity: Typically 47 L water capacity cylinder (~30–35 kg CO₂ per cylinder), Fill pressure: As per gas safety regulations (typically ~150–200 bar at 15°C) Valve: Compatible with plant manifold & regulator <p>Supply Arrangement</p> <ul style="list-style-type: none"> Cylinders shall be supplied in manifold configuration suitable for continuous SC plant operation at Mondouri, BCKV. Cost should be included in the rate given 	3	Cylinder	
2	<p>Supply of Process Gas – CO₂ Cylinder Refilling (47 L WC Cylinders). Refilling of University-owned 47 Litre Water Capacity (WC) high-pressure CO₂ cylinders with Food/Beverage grade carbon dioxide for use in a Supercritical CO₂ extraction system. Purity and supply arrangement as per item no 1 (mentioned above). Refilling Conditions: Vendor shall inspect cylinder condition prior to refilling.</p> <ul style="list-style-type: none"> Cylinders with expired hydrostatic test shall not be filled. Vendor shall ensure: <ul style="list-style-type: none"> No moisture contamination No oil contamination Proper sealing of valve Safe transport 	14	lit	

Terms & Conditions:

- In all the above mentioned cases higher purity is better because water reduces extraction efficiency and complicates phase behaviour.
- The bonafied and eligible bidders are requested to quote their price.
- The bidders are desirable to have GST and PAN etc.
- The quoted price should be inclusive of all taxes, if any.
- Lowest bidder will be selected based on all the rates put together.
- Quotations must specify the terms and conditions for supply including warranty where applicable and the rates should be quoted per unit basis inclusive of all taxes which should be mentioned clearly.
- Cost of transport, loading, unloading etc. should be included in the given rate.**
- The bid shall **remain valid for 180 days** from the date of financial bid opening and shall be subject to vetting by the competent authority.
- Issue of work order shall be subject to administrative approval, technical sanction and availability of funds from the competent authority. The amount of procurement may increase or decrease as per availability of fund.
- This tender does not constitute a financial commitment by the University. The University reserves the right to cancel, modify or defer the tender process at any stage without assigning reasons. The University reserves the right to accept or reject any bid without assigning reasons.

Thank you
Prof Suhrita Chakrabarty Das

As per decision of the 94th meeting of the LTC held on 13/03/2026 tender notice is allowed to publish as per rule

13/03/2026