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"**

Tender Notice for CO_2 Cylinder Supply and CO_2 Cylinder Refilling

Ref. No. **RKVY/ PHT/ 2026-LTC-2**

Dated : 27/02/2026

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 0 days from the date** of publication of the notification * (10 days)

Sl. No.	Name of the Item	Qnty.	unit	Quoted amount (INR)
1	CO_2 SUPPLY SPECIFICATION For Supercritical CO_2 Extraction Plant – Cylinder Mode. Only Food/Beverage grade, dry, oil-free CO_2 of purity ≥99.5% with valid COA shall be accepted for use in the SC-CO_2 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** **Cylinder Specification** • Type: High-pressure steel CO_2 cylinder • Capacity: Typically **47 L water capacity cylinder (~30–35 kg CO_2 per cylinder)**, Fill pressure: As per gas safety regulations (typically ~150–200 bar at 15°C) • Valve: Compatible with plant manifold & regulator **Supply Arrangement** • 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	Supply of Process Gas – CO_2 Cylinder Refilling (47 L WC Cylinders). Refilling of University-owned **47 Litre Water Capacity (WC) high-pressure CO_2 cylinders** with Food/Beverage grade carbon dioxide for use in a Supercritical CO_2 extraction system. Purity and supply arrangement as per item no 1 (mentioned above). **Refilling Conditions: Vendor shall inspect cylinder condition prior to refilling.** • Cylinders with expired hydrostatic test shall not be filled. • Vendor shall ensure: ○ No moisture contamination ○ No oil contamination ○ Proper sealing of valve ○ Safe transport	14	lit	

Terms & Conditions:

1. In all the above mentioned cases higher purity is better because water reduces extraction efficiency and complicates phase behaviour.
2. The bonafied and eligible bidders are requested to quote their price.
3. The bidders are desirable to have GST and PAN etc.
4. The quoted price should be inclusive of all taxes, if any.
5. Lowest bidder will be selected based on all the rates put together.
6. 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.
7. **Cost of transport, loading , unloading etc . should be included in the given rate.**
8. 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.
9. 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.
10. 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 Sumita Chakrabartty Das

As per decision of the 92nd meeting of the LTC held on 27/02/26 tender notice is allowed to publish as per rule

27/02/26