



The Bhagirathi Co-operative Milk Producers' Union Limited

(A Govt. of West Bengal Project)

BU/PUR/QUOTATION/0531

May 23, 2023

NOTICE INVITING QUOTATION

The Bhagirathi Milk Union is interested to purchase the following items from the accredited & authorized Suppliers/manufactures. Therefore, you are requested to quote your lowest rate. The specifications, quality and quantity of items to be purchased are given below:-

(FORMAT-A)

Sl. No.	Particulars	Quantity	Unit Rate	GST	Other levies if any	Total Rate	Remarks
1.	Extraction and Kjeldahl Apparatus:- Technical Specification as per enclosed	One Unit					
I do hereby declare that rate quoted by me is not subject to any escalation during execution of this contract and I agree to execute the contract as per the rate quoted by me and payment terms enshrined in this NIQ.							

Time line for Quotation:

PARTICULAR	DATE & TIME
Date of Publication of NIQ	23.05.2023 at 11.00 am
Quotation submission start date & time	23.05.2023 from 11.05 am
Last date & time of submission of Quotation	30.05.2023 till 16.00 pm
Date & Time of opening of Quotation in the office of the Managing Director BCMPUL in the presence of willing bidders.	31.05.2023 at 15.00 pm

General Terms and Conditions:

1. The bidders are required to go through the Terms & Condition carefully, understand the requirement and then quote the most competitive rate in sealed envelope addressed to the Managing Director, The Bhagirathi Cooperative Milk Producers' Union Limited, Feeder Dairy, Panchanantala, Berhampore, Murshidabad, 742101 (WB).
2. Quotation shall only be accepted in sealed envelope subscribing the Enquiry No. and Item Type. No quotations shall be accepted through mail. Incomplete quotations are liable to be rejected.
3. Price quoted by the bidder should be inclusive of all taxes levies packing, and forwarding F.O.R The Bhagirathi Cooperative Milk Producers' Union Limited and in adherence to the payment terms and other general terms and conditions enshrined in this NIQ. No escalation in price will be considered after submission of bids.



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4. The bidders participating in the quotation must provide the following Mandatory Documents along with the price bids:
 - a. **Copy of NIQ duly signed and Sealed as a token of acceptance of all terms and conditions in the NIQ.**
 - b. **GST Registration Certificate**
 - c. **Documents in support of Experience Certificate and Credentials.**
 - d. **Rate as per format in FORMAT – A.**

Failure to submit the above mandatory documents shall lead to rejection of the Quotation.

5. Materials must be delivered within 30 days after placement of Supply Order.
6. Mode of transportation for the supply of the goods to our site will be arranged by the bidder.
7. Materials dispatched from the bidder until or unless reaches the place of Delivery is the sole responsibility of the bidder. The Milk Union will not be responsible for any damage in transit, loading or unloading and no claim in this regards will be entertained.
8. Loading and Unloading of the goods will be the responsibility of the bidder and no claim regarding this will be entertained.
9. Complete documentation like principal warranty papers, operation manuals, technical specification and guarantee cards have to be furnished by the supplier.

10. Payment:

- 50% will be released on receipt of acknowledged copy of Challan/Invoice etc. of the whole unit in good condition at the specified site.
 - 40% payment will be released after Successful Installation, Commissioning & Trial-run of the whole unit duly certified by the official of Union.
 - 10% payment will be released after 6 months. This shall serve as performance guarantee.
11. The material received if found to be of substandard quality shall be rejected upon mutual inspection. In case material does not conform to the acceptability standard of the Milk Union the material has to be replaced by the party within 7 days.
 12. In case of any dispute between the Milk Union and the bidder the decision of the Milk Union shall be final and binding.
 13. The Milk Union reserves full right to accept or reject any quotation/all quotations or to cancel the entire process without assigning any reason thereof.

Sd/-

Managing Director
The Bhagirathi Cooperative
Milk Producers' Union Limited

Copy forwarded to:

1. Official Website (www.bhagirathimilk.com)
2. Office Notice Board



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TECHNICAL SPECIFICATION

Extraction and Kjeldhal Apparatus	
Application: Kjeldhal method is used to determine organic nitrogen and protein contents in food samples. Automatic Kjeldhal protein analysers are space saving and have distillation and digestion units combined together.	
Specification	Requirement
Digestion and distillation unit	Should be combined unit with all units from the same manufacturer and consist of <ol style="list-style-type: none">1. Digestion unit2. Distillation unit3. Scrubber4. Auto titrator
Digestion System Unit with Accessories	1. Aluminium Digestion block
	2. Insert Rack for 8 Place
	3. Separate Heating places for min. 6 no. of Borosilicate glass tubes of 250 ml capacity
	4. Catalyst tablets for above application – 1000 no.
	5. 1 no. of Suitable Exhaust manifold system for removing acid fumes
	6. Temperature range: Ambient to 430 ± 10 °C
	7. Temperature Accuracy: $\pm 0.5\%$ of set temperature
	8. It must have auto heating cut off on completion of digestion cycle
	9. Display should show set value and current value of temperature and timer
	10. Material of construction should be corrosion resistant
	11. 1no of Suitable Scrubber that have fume trap condensation unit followed by water and alkali neutralization
	12. Alkali and Water container capacity : 2 lit(min)
	13. Operating pump must be made up of non corrosive material
	14. Unit shall have mechanism to remove acid from exhaust air through dissolution in water tank/ carbon filter/ any other technique
	15. Power supply Shall meet Indian Standard Power Supply condition
Distillation Unit with Accessories	1. Automatic steam injection
	2. Automatic alkali, Boric acid and Water addition
	3. Auto cut off sensor for water circulation shall be provided
	4. Unit shall have facility for adjustable steam power
	5. Suitable pump for addition of alkali, water and boric acid
	6. Removable drip tray for cleaning
	7. Efficiently insulated steam generator preferably made of stainless steel to provide constant steam output
	8. Housing – Re-enforced chemical resistant plastic housing, with door and tube sensor with safety door & diagnostic functions.



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	9.	Recovery rate for Nitrogen for level between 1-200 mg N should be in the range of 99.5 to 101%
	10.	Chemical storage tank of suitable capacity with level sensor for all the chemicals.
	11.	Addition safety to be provided for electronic components by provision of over current circuit breaker and SELV (Safety Extra Low Voltage)
	12.	Power supply Shall meet Indian Standard Power Supply condition
Titration System		Digital Burette to be offered of 0.01 ml or better resolution along with reagent bottle and adaptor
Accessories		Protein Digestion Borosilicate Glass tubes: Minimum 8 no. of 250 ml capacity
		Tube Insert Rack : 2 no
		Water connection pipes required for installation, demonstration and routine operations for atleast 300 analysis.
Operating manuals, service manuals, other manuals		<ul style="list-style-type: none">• Should provide: -• User, technical and maintenance manuals in English language• List of equipment and procedures required for local calibration and routine maintenance• Service and operation manuals to be provided
Other		<ul style="list-style-type: none">• At the time of installation, the performance of the equipment should be demonstrated as per the provided specifications or OEM catalogue, whichever is better.• The minimum accessories required for the commissioning of the equipment shall be in the scope of supplier.
Recommendations or Warnings		Any warning signs would be adequately displayed
Warranty		2 year after satisfactory installation and working excluding consumable parts and accessories.
List of Spares and Accessories		List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached
Training		The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
UPS		Suitable on - line UPS (5 KVA) to support the instrument.
Quality		Should be ISO certified Quality