



BUNDELKHAND SAHAKARI DUGDH SANGH MARYADIT

SIRONJA, SAGAR (M.P.) 470004

AN ISO 9001 : 2015 Certified Organization

E-mail: sanchimccsagar@gmail.com

Phone 07582-281345

Ref No: 729/BKDS/IM/2021

Dated: 08.07.2021

NOTICE INVITING E-TENDER (IInd call)

Online Tenders are invited for supply of **Laboratory Equipments for chilling centres** at Bundelkhand Sahakari Dugdh Sangh from reputed manufacturer/distributor/dealer/suppliers. The tender documents containing the terms and conditions can be purchased online & downloaded through following website <http://www.mptenders.gov.in> from 09.07.2021 onwards. The tender will be opened in the office of the undersigned as mentioned in tender time schedule(key date). The detailed Tender Form can be seen (only for reference) at our H.O website: www.sanchidairy.com

Name of item	EMD (Rs)	Tender Fee (Rs)	Bid submission due date & time	Technical Bid opening Date & time	Financial Bid Opening Date & Time
Laboratory Equipments for chilling centres	As per Schedule II	500/-	15.07.2021 4.00 pm	16.07.2021 4.00 pm	17.07.2021 4.00 pm

CHIEF EXECUTIVE OFFICER

**BUNDELKHAND SAHAKARI DUGDH SANGH MARYADIT
SIRONJA, SAGAR 470004**

E-mail: sanchimccsagar@gmail.com
Phone 07582-281345

DOCUMENT COST Rs. 500/-

TENDER FOR PURCHASE OF Laboratory Equipment's

TENDER DOCUMENT

Schedule I	:	General Terms & Conditions.
Schedule II	:	Specification & Quantity & EMD
Schedule III	:	Form A & B
(To be downloaded filled manually & scanned copy uploaded online.)		
Schedule IV	:	Price Schedule
Tender Cost	:	Rs.500/- (Rupees Five hundred only)
Place of opening of Tender	:	Meeting Hall of The Bundelkhand Sahakari Dugdha Sangh Maryadit, Sagar.
Address for Communication	:	The CEO, Bundelkhand Sahakari Dugdha Sangh Maryadit, Sagar 470004

CHIEF EXECUTIVE OFFICER

Tender Details Annexure-I

Tender level Details			
Tender No: *		Tender Creation Date and Time:	
NIT No: *		Title: *	
Notice Invited for:	Tender	Stage:	II
Tender Call: *	IInd	Currency:	Indian Rupee
Email: *		Division/Basin: *	
District:	SAGAR	Vendor Class: *	
Tender Category: *	Procurement	Tender Sub category: *	Stores and Purchase
Period of Completion (In months): *	12 months	Tender Type:	
Form Of Contract:		SOR:	
Name of Work: *	Laboratory Equipment's for CC	Work No: *	
Tender Fee details			
Probable Amount of Contract(PAC) in: *		EMD in :*	As per schedule II
Cost of Document in: *	500/-	Processing Fee in :	
Important Dates			
Purchase of Tender Start Date : *	09.07.2021 12.00 pm	Pre bid meeting Date and Time:	
Purchase of Tender End Date: *	15.07.2021 3.00 pm	Bid Submission End Date: *	15.07.2021 4.00 pm
Mandatory Submissions (Envelope A) Open Date: *	16.07.2021 4.00 PM	Technical Proposal (Envelope B) Open Date: *	16.07.2021 4.00 pm
Financial Bid (Envelope C) Open Date: *	17.07.2021 4.00 pm		

* Mandatory field

SCHEDULE - I

General Terms & Conditions for tender submission & supply

Bundelkhand SahakariDugdha Sangh Mydt Sagar (BKDSM), cooperative organization, invites sealed tenders from bonafide manufacturers and/ or their authorized dealers or other suppliers for supply of **Laboratory Equipment's for Chilling centers** strictly in adherence to the detailed specifications given in the schedule II of the tender documents.

Bundelkhand SahakariDugdha Sangh Mydt., Sagar reserves the right to accept or reject any or all tenders, which in their opinion justify such actions, without further explanation to the tenderers.

1.0 DECLARATION:

The submission of a tender by a tenderer implies that he/she has read the notice and conditions of the tender and the terms and conditions of contract and has made himself/herself aware of scope and specifications of the supplies to be made and the destination where the supplies have to be made and satisfied himself/herself regarding the quality and specifications of the articles.

2.0 TENDER SUBMISSION:

- 2.1 Tenders received by e-mail will not be considered. However, amendments by e-mail to a tender sent will be considered, provided the same are received before the opening of the tender and confirmed by post.
- 2.2 Individuals signing on the tender and other related documents must specify in which capacity of the firm he/ she has signed the document. (copy to be uploaded-mandatory)
- 2.3 The tenderer(s) should clearly state in their offer the address, telephone e-mail, PAN and GSTIN Numbers. Any change in the address should immediately be communicated to the Chief Executive Officer, Bundelkhand SahakariDugdh Sangh Mydt, Sagar and correspondence thereafter will be made at the changed address.
- 2.4 Negligence on the part of tenderer in filling the tender form offers him/her no right to withdraw the tender after it has been opened.
- 2.5 The acceptance of the tender and award of the purchase order will be the sole right of the Chief Executive Officer, Bundelkhand Sah. Dugdha Sangh Mydt. who does not bind himself to accept a tender in whole or in part or reject any or all the tenders received without assigning any reasons and no explanation can be demanded of the cause of rejection of the tender by any tenderer.
- 2.6 The Chief Executive Officer, BKDSM reserves the right to place order for whole requirement with any tenderer or split the orders among one or more tenderers or not to purchase at all any item even after rate approval.
- 2.7 Each tender should be accompanied with copy of PAN, GST, sales tax number and sales tax clearance certificate; without which the tender may not be entertained.
- 2.8 The tenderers should submit the rates (ONLINE) in the schedule-IV only. The conditional tenders are liable to be rejected.
- 2.9 No person or firm is permitted to submit more than one tender under different names.
- 2.10 The tenderer shall not sublet the contract or assign to any other party or parties, the whole or any portion of the contract without prior written permission of Chief Executive Officer, BKDSM.
- 2.11 Manufacturers will be given preference. Copy of license is to be attached with tender for each item filled in, wholesalers dealing with the item will have to attach copy of authorization certificate of the manufacturer. (copy to be uploaded-mandatory)
- 2.17 Tenderer shall fill all the details of the unit in the enclosed form- A in schedule-III. (copy to be ⁴uploaded-

mandatory)

Bid Validity

Bid shall be valid for a period of 90 days from the date of opening.

Documents composing the Bid

Technical bid:

1. Technical bid form filled (to be uploaded)
2. Bid Security (EMD) – Scan copy to be uploaded
3. Tender document each page sealed and signed as token of acceptance to each and every terms and conditions

Commercial Bid

- Commercial Bid form filled

Bid price

Price indicated on the price schedule shall be inclusive of all taxes & duties and other expenses like

- GST (Percentage of GST to be mentioned)
- Freight
- Insurance

3.0 Earnest Money Deposit (as detailed in Price bid)

Note: -When submitting EMD online please note that you pay only the EMD of particular item you would like to offer the rate. By choosing “Yes” option so as to enable you for EMD exemption.

All the tenderers are required to deposit fresh Earnest Money as specified in tender document, for each item separately through online mode in favor of “Bundelkhand Sahakari Dugdha Sangh Mydt, Sagar”. EMD should reach online mode before the tender opening time & schedule. Submissions of earnest money by any other mode than specified above shall not be acceptable and the related tender shall not be eligible for consideration.

3.2 Any tender which is not accompanied by Earnest Money deposit are liable to be rejected. Earnest money deposit of unsuccessful tenderers will be returned within 60 days from the date of opening of the tender. The earnest money deposit of the successful tenderers will be released on completion of supply/work as the case may be within the stipulated period.

3.3 No interest will be paid on the earnest money for the period during which (the EMD) lies in deposit with Bundelkhand Sahakari Dugdha Sangh. Maryadit.

- EMD may be forfeited:
 - If Successful Bidder/supplier fails/denies to perform work
 - If any bidder/supplier withdraw its bid during the bid validity period

4.0 PRICES:

4.1 Prices offered by the tenderers should be firm and free from all escalations and shall be valid at least for a period of 12 months from the date of approval of rates. BKDS will have the right to extend the validity of the tender approval by 3 months. We would communicate our rate approval within 60 days of opening of tender

4.2 The tenderer should quote rate on FOR dairy plant Sagar basis. (GST Extra)

4.3 If need be, negotiations will be done for prices and as well as terms & conditions of material supply only with the party which offers the lowest rate.

4.4 The prices charged for the material supplies under the contract by the supplier firm in no event shall exceed the lowest price at which the supplier firm sells the material of identical tender description to any other persons/ firms during the period and until the execution of all supply orders placed during contract period.

4.5 The lowest rate shall not be the only criteria for approving the tender.

5.0 MODE OF DESPATCH

5.1 The material to be supplied by successful firm shall be dispatched to the dairy under prior intimation. Depending upon the type of material, the supplier shall have to carry out proper packing/crating to avoid damage during transit.

5.2 only FDA/CE/BIS approved product accepted.

5.3 Wharfage /Demurrage etc. on account of incorrect or delayed dispatch of material/documents shall be the responsibility of supplier and shall be recovered from the bills.

6.0 LIQUIDATED DAMAGES;

6.1 Delivery date are fixed for supply of material they shall be strictly adhered too. In case they are not followed, or in case of delay in execution or non-execution of the order, the Dugdha Sangh reserves the right either to cancel the order and make alternative purchases from other sources, at the risk and cost & expenses of the defaulting supplier. In case the supplies are not fulfilled as per the schedules, the liquidated damages may be charged on the goods not so delivered as under: -

S. No.	Duration of delay	Liquidated Damages
1.	Upto 15 days	1% cost of the unit.
2.	Between 16 to 30 days	2% cost of the unit
3.	Beyond 30 days	Upto 5% cost of the unit.

- If the tenderer fails to make supply as per purchase order without any valid reason, the order would be treated as cancelled and the firm may be blacklisted for future dealings and EMD also would be forfeited by the management.

7.0 INSURANCE:

Insurance is to be arranged by the tenderer.

8.0 INSPECTION:

- Machine/equipment's supplies are subject to inspection at our site before acceptance. If goods are rejected due to defective or wrong supply, the report of our authorized official in this respect shall be FINAL and no correspondence on the subject would be entertained. If the material is not found as per specification of the tender. The consignment will be rejected. Supplier will be informed regarding rejection by post /e- mail supplier should attend this office within 15 days of the receipt of intimation so that the material could be rechecked in his presence. If the supplier doesn't attend this office on time, then the material will be returned at his own risk/cost by BKDSSagar. No payment shall be made against the rejected materials.
- Bidders have to submit their customers list along with the performance report of consignee is compulsory.

9.0 PAYMENT

- 70% against delivery of machine/equipment's in good condition at site and after physical inspection and verification by concerned department.
- 20%, within 30 days of after commissioning and successful trial run of machine/equipment's at site.
- Balance 10% of E-Mat payment after 1 years and other items payment after 6 months of satisfactory performance.
- Tenderer agreeing to these terms would be given preference over those specifying other terms

10. TERMINATION OF CONTRACT:

If any act of commission or omission of a unit under contract brings Bundelkhand Sah. Dugdha Sangh Mydt. to dispute, then Bundelkhand Sahakari Dugdha Sangh Mydt. shall be competent to debar/blacklist the unit from further business.

11.0 CONSEQUENCES OF BREACH OF AGREEMENT:

If any firm under the contract commits breach of any of the conditions, it shall be lawful for the Chief Executive Officer, Bundelkhand Sah. Dugdha Sangh Mydt. to cancel the contract and to purchase material from any other alternate sources on the risk and cost of the defaulting unit.

12. DISPUTE ARBITRATION & FINAL AUTHORITY:

- 12.1 It should be clearly understood that in the event of a successful tenderer failing to accept and execute the supply order, then decision of the Chief Executive Officer, Bundelkhand Sah. Dugdha Sangh Mydt. in this respect will be final and binding on the successful tenderer.
- 12.2 For all matters of dispute, the decision of the Honorable Managing Director, MPCDF Under Arbitration and Conciliation Act. 1996 shall be final and binding on all the concerned.
- 12.3 For all disputes, the venue for legal course shall be at Sagar.

Chief Executive Officer

Bundelkhand Sahakari Dugdha Sangh Mydt. Sagar

**BUNDELKHAND SAHKARI DUGDHA SANGH MARYADIT
SAGAR DAIRY PLANT;SIRONJA, SAGAR**

SCHEDULE – II

S. No.	Item name	Qty.	EMD
1	Digital water bath	6	5000
2	BR refractometer	6	5000
3	Water distillation unit	6	5000
4	Electronic milk adulteration tester (E-Mat)	6	30000
5	Electronic balance 300gm	6	7000

Technical specifications

Digital Water Bath for TS-12 holes

S.No.	Specifications	Requirement
1	Application	Required to Evaporation of excess water from samples during total solids analysis.
2	Operational Requirements	It should have <ul style="list-style-type: none"> • Reading of the Hot water bath Temperature by digital display • Minimum height/depth for water shall be 10 cm • Alarm for water level with Auto cut off
3.	Technical Specifications	<ul style="list-style-type: none"> • Power supply 200-240V, 50 Hz, Single phase • Double walled, filled with high grade insulation. • Thermostatically controlled with an accuracy of $\pm 1^{\circ}\text{C}$ • 12 nos. of hole in lid • Each hole diameter minimum 7.5 cm • Sufficient space of 2 to 3 cm between holes accepted • Weighing capacity upto 220g Readability 0.1 mg Repeatability 1 mg or less. Setting time 1.5 secs.
4.	Hot water Bath should have	<ul style="list-style-type: none"> • Leak Proof • inner side and outer side made of stainless steel (AISI 304)

5.	Accessories	<ul style="list-style-type: none"> • All necessary accessories should be provided with unit.
6.	Calibration certificate	Certificate from an ISO 17025 accredited lab
7.	Operation and training component	<ul style="list-style-type: none"> • The supplier will have to carry out successful Installation at the laboratory premises (wherever 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

8.	Supplier/Manufacturer	<ul style="list-style-type: none"> Must be ISO certified for quality
9.	Service Support Contact details (Hierarchy Wise; including atoll free/landline number)	<ul style="list-style-type: none"> Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/adhoc) to be declared by the manufacturer;
11	Recommendations or warnings	<ul style="list-style-type: none"> Any warning signs would be adequately displayed
12	Warranty	<ul style="list-style-type: none"> Warranted for 1 years after satisfactory installation and working excluding consumable parts and accessories.
13	Service contract clauses, including prices	<ul style="list-style-type: none"> 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;
14	Operating manuals, service manuals, other manuals	<p>Should provide 2 sets (hard copy and soft-copy) of:</p> <ul style="list-style-type: none"> User, technical and maintenance manual to be supplied in English language along with machine diagrams; List of equipment and procedures required for local calibration and routine maintenance; Service and operation manuals (original and copy) to be provided; Advanced maintenance tasks documentation; Certificate of calibration and inspection
15	Payment	Payment only after installation, validation and performance demonstration

DIGITAL BUTYRO- REFRACTOMETER (for oil and Ghee, handy)

Calibration with standard liquid, large, easy to read display, External Light interference. (ELI) or Equivalent feature display of both Butyro& RI scale, temp, compensated scale at 40°C, Automatic & Accurate, Measurement Range: - Butyro 30.0-90.0, accuracy $\pm 0.5^{\circ}\text{C}$ at 40°C compensation. R.I.: - 1.300- 1.700, accuracy R.I. ± 0.0003 at 40°C

Distillation unit

Specifications of Double Distillation Unit with Accessories

1. Double Distillation Unit

- It should be All Quartz double distillation unit
- Demountable Boiler Panel Series
- Model – Vertical
- Distilled Water Output Capacity – 1 Liters / Hours
- Distillate water quality specifications

It should be free from pyrogen and organic matter

Conductivity $<1 \times 10^{-6}$ S/cm

Total Organic Carbon $<500 \mu\text{g/l}$

Total Solids $<0.1 \text{mg/lit}$

2. Accessories for Double Distillation Unit

- Distillation Apparatus power supply (DAPS) for 1 ltrs model
- Low temperature circulating water bath (Chiller)

Working Temperature: -10°C to 100°C

Temperature Accuracy: $\pm 0.1^{\circ}\text{C}$

Bath Volume: Minimum 5 litre capacity

External water Circulation for continuous operation.

User Manual should be provided along with the equipment

Warranty: One year at the minimum from the date of successful installation.

Training: To be provided free of cost for two persons at chilling center level during the installation and commissioning.

Documents: (1) Compliancy certificate is to be provided indicating conformity to the technical specifications. (2) Guarantee certificate shall be furnished along with the supply.

Payment: Payment will be released after acceptance and establishing of performance

Installation and commissioning: After receipt and acceptance of material at Stores, supplier shall install & commission the equipment at their cost. What so ever expenditure incurred for the above shall be borne by the supplier.

Performance Certificate: For earlier / recent executed purchase order (at least 2 No's) shall be furnished along with the offer.

Electronic Milk Adulteration Tester

Features:

- Check majority of harmful adulterants
- Measures Fat, SNF, Protein, Lactose, density & added water
- Performs 90-100 tests per hour
- Low sample volume
- Inexpensive method for testing of milk purity
- User friendly operations
- Easy cleaning
- Close correlation to accepted standard methods
- Green technology, no hazardous chemical
- Easy to read digital display
- Quick measurement and instant read-out
- RS 232 data output
- Runs on mains or battery
- Online recording of analyses data on SD card

Performance Data

Milk type: Cow, buffalo and mixed milk.

Measuring Speed: 90 - 100 samples per hour

Parameters: Fat, SNF, Protein, Lactose, density & added water

Calibrated Adulterants: Urea, Detergent, Ammonium Sulphate, Salt (Sodium Chloride), Hydrogen Peroxide, Soda (Sodium bicarbonate) and Caustic Soda.

Measuring Range:

- Fat 0.01% to 25%
- SNF 3% to 15%
- Protein 2% to 7%
- Lactose 0.01% to 6%
- Density 1015 to 1040 Kg/m³
- Added water 0% to 70%

Accuracy:

- Fat + 0.10%
- SNF + 0.15%
- Protein + 0.15%
- Lactose + 0.20%

- Density + 0.3 Kg/m³
- Added water + 0.10%

Minimum limits of Detection Adulterants Limit of detection %

- Urea ≥ 0.1 %
- Detergent ≥ 0.3 %
- Ammonium Sulphate ≥ 0.2 %
- Salt ≥ 0.2 %
- Hydrogen Peroxide ≥ 0.3 %
- Soda (Sodium bi Carbonate) ≥ 0.3 %
- Caustic Soda ≥ 0.3 %

OTHER REQUIREMENTS

- Initialization time: Max 5 Minutes
- Sample temperature: Milk temperature: 25 °c to 50 °c.
- Sample volume: 18 ml.
- Cleaning: Easy cleaning
- Display: LCD display
- Data interface: SD Card and RS232

Analytical Balance
(300gm)

Make:-Citizen

S.No.	Specifications	Requirement
1	Application	Required to LABORATORY WORK.
2	Operational Requirements	It should have <ul style="list-style-type: none"> • Automatic & Accurate. • Large, easy to read display • Balance with transparent case. • Weighing with automatic and manual start and provision for data interface.
3.	Technical Specifications	<ul style="list-style-type: none"> • Weigh accurately up to 3rd decimal place. • Fully automatic time and temperature controlled internal calibration and balance should be capable to adjust itself Auto zero setting. • Weighing capacity up to 300g • Readability 0.1 mg • Repeatability 1mg or less. Setting time 1.5 secs.
4.	International Protection Class	<ul style="list-style-type: none"> • 006P dry battery (9V)

5.	Accessories	<ul style="list-style-type: none"> • All necessary accessories should be provided with unit.
6.	Calibration certificate	Certificate from an ISO 17025 accredited lab
7.	Operation and training component	<ul style="list-style-type: none"> • The supplier will have to carry out successful installation at the laboratory premises (wherever 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
8.	Supplier/Manufacturer	<ul style="list-style-type: none"> • Must be ISO certified for quality

9.	Service Support Contact details(Hierarchy Wise; including atoll free/landline number)	<ul style="list-style-type: none"> Contact details of manufacturer, supplier and local service agent to be provided; Any Contract(AMC/CMC/adhoc) to be declared by the manufacturer;
10.	Recommendations or warnings	<ul style="list-style-type: none"> Any warning signs would be adequately displayed
11.	Warranty	<ul style="list-style-type: none"> Warranted for 1 years after satisfactory installation and working excluding consumable parts and accessories.

12.	Service contract clauses, including prices	<ul style="list-style-type: none"> 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;
13.	Operating manuals, service manuals, other manuals	<p>Should provide 2 sets (hard copy and soft-copy) of:</p> <ul style="list-style-type: none"> - User, technical and maintenance manual to be supplied in English language along with machine diagrams; List of equipment and procedures required for local calibration and routine maintenance; Service and operation manuals (original and copy) to be provided; Advanced maintenance tasks documentation; Certificate of calibration and inspection
14.	Payment	Payment only after installation, validation and performance demonstration

**BUNDELKHAND SAHAKARI DUGDHA SANGH MARYADIT,
SIRONJA, SAGAR 470004**



SCHEDULE – III

Form – A

(To be uploaded - mandatory)

To,
Chief Executive Officer
BKDSM, SAGAR

Dear Sir,
Please find enclosed herewith scan copy of EMD No..... dtd..... for Rs..... Bank
Name..... towards EMD deposit. Original will be submitted before opening of tender.

Seal & Signature of the of the tenderer



**BUNDELKHAND SAHAKARI DUGDHA SANGH MARYADIT,
SIRONJA, SAGAR 470004**

SCHEDULE – III

**Form – B
(To be uploaded -mandatory)**

To,

Chief Executive Officer
BKDSM, Sagar

Date:

Dear Sir,

I/We hereby furnish below some particulars about our company/unit which will form a part of our offer submission:

1. Name of the Co./Unit : _____
2. Address of the Co./Unit : _____

3. Telephone Nos.(with STD Code): _____
FAX No. : _____
Email ID : _____
4. Name of the CEO/Proprietor/ Partner : _____
5. Name and designation of other : _____
Authorized signatory of the Co./Unit
6. Particulars of Regn. Certificate : _____
Issued by the competent authority
(Regn No. & Date)
7. We are manufacturer/distributor/dealer/supplier ofCo.(with proof)
8. GST NO dtd.....
9. PAN Number (Permanent Account Number- Income Tax) :
10. Have your Co./Unit or its sister concern ever been black listed/ debarred by BSDSM or its sister Milk Unions or
GOI /GOMP & its undertaking? YES / NO
11. Price Escalation: YES/NO

Seal & Signature of the

Authorized Signatory of the Co./Unit

(Copies enclosed)

- Form-A &B (scan copy to be uploaded)
- Tender document each page sealed and signed as token of acceptance to each and every terms and condition.



**BUNDELKHAND SAHAKARI DUGDHA SANGH MARYADIT SIRONJA,
SAGAR 470004**

SCHEDULE – IV

Form – C
(To be uploaded – mandatory only online)

(PRICE BID)

TENDER NUMBER:	
NAME OF TENDERER:	

S. No.	DESCRIPTION	Rate/unit	F.O.R	Sager

(Seal & Signature of the tenderer)

