



BUNDELKHAND SAHAKARI DUGDH SANGH MARYADIT

SIRONJA, SAGAR (M.P.) 470004

AN ISO 9001 : 2015 Certified Organization

E-mail: sanchimccsagar@gmail.com

Ref No: 43/BKDS/PO/2024

Date: 20.06.2024

E-TENDER NOTICE

TENDER COST : Rs.1000/-

Online e-tenders (Two Bid System) are invited from the manufacturers / Authorized Supplier for the Supply, Installation & Commissioning of Refrigeration system for blast freezer chambers of 100 MT capacity (50 MT- 2 Compartment) butter storage in Main dairy plant Sagar. The tender notice, tender documents, containing the terms and conditions can be purchased online & also submitted through following website <http://www.mptenders.gov.in> up to **21/06/2024** at 12.00 PM. EMD for the said work is Rs.1,20,000/-. The detailed Tender Form can be seen (only for reference) at our H.O website: www.sanchidairy.com, Corrigendum/Amendment if any to this publication would appear only on the above mentioned websites and will not be published elsewhere.

CHIEF EXECUTIVE OFFICER

SIGNATURE OF TENDERER

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The tender notice, tender documents, containing the terms and conditions can be purchased online & downloaded through following website <http://www.mptenders.gov.in>

E-Tender for Supply, Installation & Commissioning of Refrigeration system for blast freezer chambers of 100 MT capacity (50 MT- 2 Compartment) butter storage in Main dairy plant Sagar.

TENDER DOCUMENT

Schedule I	:	General Terms & Conditions.
Schedule-II	:	Specifications
Schedule III	:	Technical Bid
Schedule IV	:	Form A & Form B
Schedule V	:	Price Schedule
Tender Cost	:	Rs.1000/- (Rupees One Thousand only)
EMD	:	Rs. 1,20,000/-
Tender Document Download/Sale Start Date	:	21/06/2024 Time 12:00 PM Onwards
Tender Document Download/Sale End Date	:	11/07/2024 Time 01:30 PM
Bid Submission Start Date	:	21/06/2024 Time 12:00 PM Onwards
Bid Submission End Date	:	11/07/2024 Time 04:00 PM
Bid Opening Date	:	12/07/2024 Time 04:00 PM
Place of opening of Tender	:	Office of the Bundelkhand Sahakari Dugdha Sangh Maryadit, Sagar.
Address for Communication	:	The CEO, Bundelkhand Sahakari Dugdha Sangh Maryadit, Sagar.470004.

CHIEF EXECUTIVE OFFICER**SIGNATURE OF TENDERER**

SCHEDULE-I (GENERAL TERMS AND CONDITIONS)

Bundelkhand Sahakari Dugdh Sangh Maryadit Sagar invites online tenders (Two Bid System) for Supply, Installation & Commissioning of Refrigeration system for blast freezer chambers of 100 MT capacity (50 MT- 2 Compartments) butter storage in Main dairy plant Sagar from reputed Manufacturer/ Authorized Supplier strictly in adherence to the detailed specification given in the Schedule II of the tender.

1.0 Instruction to Bidder/Tenderer

- (i) Bidder should read all terms & conditions of tender thoroughly before filling tender online.
- (ii) Scanned copy supporting document to be uploaded wherever required.
- (iii) Technical Bid, Form-A & Form-B shall be submitted online. Enclosed duly filled scanned copy to be uploaded.
- (iv) Price bid shall be filled online only. Physical form of price bid will be rejected out rightly.

2.0 EARNEST MONEY DEPOSIT

All the tenderers are required to deposit Earnest Money on line. As the tender will be finalized the unsuccessful tenderers will get back the EMD from MP TENDERS (as per their norms) on line. 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.

Earnest Money Deposit :-

<u>Sr. no.</u>	<u>Item</u>	<u>Location</u>	<u>Qty/Capacity</u>	<u>EMD Amount</u>
1.	Supply, Installation & Commissioning of Refrigeration system for blast freezer chambers of 100 MT capacity (50 MT- 2 Compartment) butter storage in Main dairy plant Sagar as per technical specifications in tender documents.	Main dairy plant, sagar	1 set As per specificity on	Rs.1,20,000/-

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 without any interest amount.

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

Scope of Work

Bidders Scope:-

- Bidder scope of work includes supply, installation, testing and commissioning of the butter blast Freezer room inclusive of PUF panels & Refrigeration units. As per detailed specification schedule-II.
- Unloading, Shifting and safe storage of cooling units & equipment etc at site.
- Providing 415/230 V, 50 Hz. Uninterrupted AC supply along with M.C.B. Switch for each refrigeration

unit& each blast freezer room light near (within 1 mtr. Radius) the condensing unit & cold room respectively.

- Out Door Stand will be bidders Scope.
- Protective shed for the condensing unit, along with MS stand for mounting it.

BkDS Scope:-

- Providing level base/floor (zero – zero) for erection of butter blast freezer room.
- Water Drains points at site near butter blast freezer room.
- Adequate ventilation for the condensing / outdoor unit.
- Protective shed for the condensing unit, if necessary, along with MS stand for mounting it.
- Requisite racks for the cold storage.
- Any civil work if required.

5.0 Delivery Period

Material supply , installation & commissioning and trial run Within 3 months from the date of confirmed purchase order

6.0 Warranty

Subject to terms of payment agreed upon being punctually complied with and the equipment being operated properly, the machinery conveyed by this contract carries a Warranty against manufacturing defects for 15 months from the date of supply or 12 months from the date of installation, whichever is earlier. If any part of the equipment is put by supplier earlier for any reason whatsoever, the warranty period will commence from the date of such use

Bidder agree to repair / replace such parts which may prove defective and which do not fail from neglect or misuse or faulty operation. The defective parts should be replaced by bidder, duly insured and freight prepaid for examination and agreement that they are defective. The return freight and insurance charges on such repaired or replaced parts will be born by the bidder. No charge will be paid by us for work involved in the repair or replacement of defective parts during the Warranty period in the case of installations within the Municipal limits of any city where we have our own Branch or Service Center.

PRICE

Price offered by the tenderers should be firm and free from all escalations. The prices offered should be valid at least for a period of 12 months from the date of approval of rates; we would communicate our rate approval within 30 days of opening of tender only to successful tenderer.

The tenderer should quote rate only F.O.R Sagar dairy plant.

Octroi duty, if applicable at the destination, shall be borne by the supplier.

TENDER OPENING

Tender will be opened online on scheduled date and time in front of tender committee and representative of tenderer.

Online Technical Bid will be opened first & only on verification of technical bid & supporting documents, online price bid will be opened.

Price bid of only those tenderers shall be opened who fulfill all criteria of technical bid successfully.

ELIGIBILITY CRITERIA

- Tenderers should submit supplier's List with contact detail/Purchase order copy/performance Report.
- The tenderers should submit copy of IT Return for Last Three Financial years (2020-21, 2021-22, 2022-23).
- The tenderers should submit copy of PAN Card & GST.
- The tenderers should submit Filled Form-A & Form-B & attached related document as per Form A & B
- The tenderers should submit copy of Firm Registration certificate.
- The tenderers should submit At least one completion certificate copy of similar nature of work done by tenderer in recent years.

PAYMENT

- 40% advance against submission of bank guarantee of equivalent amount of contract value.
- 30% after supply of all required material for said work and installation at site .
- 20% after commissioning and successful trial run of machine at site and Balance 10% after submission of Performance Bank Guarantee (Nationalized Bank) of 10% equivalent amount valid for 12 months from the date of successful trial run of machine.

GENERAL TERMS AND CONDITIONS

The acceptance of the tender and award of the purchase order will be the sole right of the CEO Bundelkhand Sahakari Dugdha Sangh Maryadit, who does not bind himself to accept a tender in whole or part or reject any or all the tenders received without assigning any reason and no explanation can be demanded of the cause of rejection of the tender by any tenderer. If the tenderer fails to make supply within the stipulated time mentioned in purchase order, then they may be black-listed and EMD also may be forfeited.

- Negligence on the part of tenderer in filling the tender offers no right to withdraw the tender after it has been opened.
- The tenderers should send their offers along with detailed technical specification, necessary documents etc. which will form the basis of tender and integral part thereof.
- The CEO Bundelkhand Sahakari Dugdha Sangh Maryadit reserves the right to place order for sole requirement with any tenderer or split the orders among one or more tenderers.
- The tenders received against the advertisement upto the specified time limit only shall be considered. The Bundelkhand Sahkari Dugdh Sangh shall not be bound to accept lowest rate tender.
- The submission of a tender by a tenderer implies that he has read the notice and conditions of the tender and the terms and conditions of contract and has made himself aware of scope and specification of the supplies to be made and the destination where the supply have to be made and satisfied himself regarding the quality and specifications of the articles.
- The tenderers should submit tender in online format only.
- No person or firm is permitted to submit more than one tender under different names.
- The conditional tenders are liable to be rejected.
- Each page of the technical Bid and its enclosure should be signed & sealed at the bottom by the tenderer.
- The supplier shall not sublet the supply or assign to any other party or parties, the whole or any portion of the contract.
- Required utilities like air, electric supply, soft water supply will be provided at only one point /Control power for above system by BkDS.
- The successful tenderer has to execute an agreement with this office on non-judicial stamp paper of Rs.1000/- within 10 days after allotment of work.

LIQUIDATED DAMAGES

The time period and the date of delivery of the material/services stipulated in the purchase/work order shall be deemed to be the essence of the contract. Once firm delivery date(s) 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 Dugdh Sangh reserves the right either to cancel the order and make alternative purchase/ arrange the completion of job from other sources, at the risk and cost & expense of the defaulting supplier. In case the supplies & services are not fulfilled as per the schedules, the liquidated damages may be charged on the goods/ services not so delivered as under:

(A) For items purchase-Supply

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

(B)Services- Installation and commissioning

S. No.	Duration of delay	Liquidated Damages
1.	1Month	1%
2.	1 to 3 Months	2%
3.	Beyond 3 Months	5%

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WHARFAGE/DEMURRAGE

Wharf-age /Demurrage etc. on account of incorrect or delayed dispatch of material of document shall bathe responsibility of supplier and shall be recovered from his bill.

DISPUTE ARBITRATION & FINAL AUTHORITY

It should be clearly understood that in the event of tenderer failing to accept and execute the Purchase order, decision of the CEO, Bundelkhand Sahakari Dugdha Sangh Maryadit, in this respect will be final and binding on the tenderer.

At the time of submitting the tender, tenderer shall supply detailed information about their activities in the enclosed form.

For all matters of dispute, the decision of the MD, MPCDF, Bhopal Under Arbitration and Conciliation Act. 1996 shall be final and binding on all the concerned.

For all judicial issues the venue of jurisdiction shall be Sagar only.

If the tender opening date become any govt. holiday, then the next day may be considered for tender opening.

CHIEF EXECUTIVE OFFICER

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SCHEDULE– II
TECHNICAL SPECIFICATIONS

Supply, Installation & Commissioning of Refrigeration system for blast freezer chambers of 100 MT capacity (50 MT- 2 Compartment) butter storage in Main dairy plant Sagar.

Basis of design / technical specification

A General Details: -

Location: - Main dairy Plant, Narsinghpur Road, Sironja Dist.- sagar-47004
(Bundelkhand Sahkari Dugdh Sangh Maryadit, Sagar)

Blast Freezer chamber: - 100 MT for Butter (50 MT -2 Compartment)

Blast room size for 50 MT – 14-meter x 6-meter x 3.7 meter

Joined together with common wall, with ante room of size – 12x3x3.7 meter

B Product Details: - Butter

Incoming	: 4-8 ⁰ C
Required temp.	: -18 ⁰ C
Cool down time	: 24 hours
Product Load/day	: 5000 kgs
Room temp to be maintained	: -20 ⁰ C ± 2 ⁰ C
Door Opening	: 5-10 times a day
Lighting Load	: 1.0 watts/sqmt (Appx.)

C Room Fabrication/Insulation Items-

1. PUF Panels for walls & ceiling of freezer rooms 120 mm thick, Cladding PPGI sheets both sides.
2. PUF Panels for walls & ceiling of Ante rooms 60mm thick, cladding PPGI sheets both sides
3. PUF sheets for floor insulation for freezer rooms 120mm thick (in two layers) with tarfelt sheet, bitumen etc.
4. PUF sheets for floor insulation for ante room 60 mm thick with tarfelt sheet, bitumen etc.
5. Doors for freeze rooms, Sliding type 1800mm wide x 2400mm high, with best quality accessories, frame heater. -2nos.
6. Door for Ante room hinged, overlap type 1800 mm wide x 2400 mm high, with best quality accessories. – 1no.
7. Door outside air curtain system installed for avoid environmental contaminants operated in auto mode when door opens.

D Refrigeration system Equipment's-

S.No.	PARTICULAR	QTY	REMARK
1	BITZER/BOCK/Emerson make sealed type SEMI HERMETIC RECIP type compressor of suitable capacity.	4 Nos.	Each blast freezer room one in running and one stand by. Each Compressor suitable for 14-meter x 6-meter x 3.7-meter blast freezer room
2	Air cooled condensing unit (Airtech make) having condenser made of copper tubes, axial flow fans aluminum fins, for above compressor	2 Nos.	One blast freezer room both compressors connected with condensing unit.
3	Airtech make cooling unit (Indoor Unit) with copper tubes, axial flow fans, aluminum fins, drain tray.	4 Nos.	Each blast freezer room one in running and one stand by. Consist tray and other heating elements to auto refrigeration defrosting
4	Thermostat Expansion valve. (Danfoss/equiv. make)	4 Nos.	
5	Filter cum driers for refrigerant.	4 Nos.	
6	LP & HP cut outs	4 Nos.	
7	Digital Temp. Controller cum indicator	4 Nos.	
8	Accumulator to avoid entry of liquid into compressors	4 Nos.	
9	Wire & Wiring Materials to connect indoor unit from outdoor unit and electrical panel main supply for each machine.	1 Lot	Suitable qty as per site
10	Suction Line insulation using nitrile rubber	1 Lot	Suitable qty as per site
11	Copper pipe & copper fittings to connect indoor unit with outside unit.	1 Lot	Suitable qty as per site
12	Drain piping & fitting to drainage of condensate water.	1 Lot	Suitable qty as per site
13	Electrical panel with safety equipment's to safe the compressor from power fluctuations.	1 Lot	Suitable qty as per site
14	First charges of Refrigerant freon (R-404a) and compressor oil	1 Lot	Suitable qty as per site
15	Hanging & supporting materials for pipes and air-cooling units.	1 Lot	Suitable qty as per site
16	Liquid line valves.	1 Lot	
17	Erection & commissioning	Once	

NOTE:- 10% Plus variation in size & capacity would be acceptable. Bidders will advisable to visit site for any clarification before submission of tender.

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Specification:-

B. Refrigeration Units

- 1 Stainless steel body & excellent corrosion resistant refrigerant units.
- 2 Inner grooved tubes for superior heat exchanger.
- 3 In-built defrost heaters for low temperature units.
- 4 External rotor driven fans with low noise levels.
- 5 Removable side panels for easy service.

C. PUF Panels

- 1 Precision locking mechanism Cam-Lock with metal plungers.
- 2 Eco-friendly PUF Panel with Eco-friendly blowing agent : Cyclopentane
- 3 Puff density: 40kg/m³
- 4 PUF thickness :60mm/120mm
- 5 ODP (Ozone Depletion Potential): 0
- 6 Fire retardant property : Self extinguishing
- 7 Panel joint : tongue & groove Joint
- 8 Panel to panel fitment: The gap between two fitted panel <3mm
- 9 Panel are suitable for wide temperature range of -30°C to +80°C.
- 10 Easy expandable to larger sizes
- 11 90°C corner panels to ensure stability
- 12 Easy shiftment of cold room to different location

D. Electrical Details

SITC of Electrical Power Supply Distribution panel with MCCB, Power Cable

1. from DB Panel to Controller Location 4 c 6 SQMM with Armored Copper cable.
2. MCCB Power supply Suitable as per Manufacture guideline. Panel MCB for each machine with 40 amp plus one spare. And MCB suitable.
3. for Door heater and Light panel distribution board with one spare.
4. Suitable cabling for proper functioning of system, as per manufacturer guideline.
5. Connection from substation.

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SIRONJA, SAGAR (M.P.) 470004

AN ISO 9001 : 2015 Certified Organization

E-mail: sanchimccsagar@gmail.com

Phone 07582-281345



SCHEDULE – IV

(To be submitted along with the offer)

Form – A

Chief Executive Officer
BkSDSM,
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 as a
Manufacturer Issued by the competent authority
(Regn No. & Date) (Enclosed Copy) : _____
7. GST NO. _____ dated _____
8. Work completion certificate: _____
9. Details of PAN CARD (Enclosed Copy): _____
10. Income Tax return (Enclose Copy): _____
11. Name of Bank & RTGS/NEFT No.: _____
Enclose cancelled cheque: _____
12. Have your Co./Unit or its sister concern ever been black listed/ debarred by BkSDSM or its sister Milk
Unionsor GOI /GOMP & its undertaking? YES / NO
13. If yes, when & Why? Give reason in details

SIGNATURE OF TENDERER

I/WE HAVE READ THE TERMS AND CONDITIONS OF THE TENDER DOCUMENT WHICH ARE ACCEPTABLE TO ME/US.
NO ADDITIONAL CONDITION, DEVIATION OR POINT OF DIFFERENCE HAS BEEN GIVEN BY ME/US.

I AM PROPRIETOR / MANAGER/ DIRECTOR_____ OF THE TENDERING FIRM AND HAVE BEEN
AUTHORISED TO SUBMIT. THE AUTHORITY LETTER IN THIS REGARDS IS ENCLOSED HEREWITH.

DATE:

SEAL AND SIGNATURE OF TENDERER

NAME OF SIGNATORY

DESIGNATION

**Seal & Signature of the
Authorized Signatory of the Co./Unit**

SCHEDULE IV

(To be submitted along with the offer)

Form B

CHIEF EXECUTIVE OFFICER

Date:_____

BkSDSM, SAGAR

Dear Sir,

I/We furnish here below more particular about our Company/Unit which will form a part of our Tender rate submission against your Tender Notification No. _____ Dated _____:

1. Items manufactured at our Unit : _____

2. Capacity of the Plant : _____

3. Is there any break in your production/
business activities during the past 5 : _____
years period? If so, give details thereof.

4. Your customers/client on current list : 1. _____
2. _____
3. _____
4. _____
5. _____

5. Have/Are you supplied/supplying :
items of similar nature to any Dairies
under coop. sector? if yes to whom
and how long?

I/We hereby undertake that information furnished in the Tender documents are correct to the best of our knowledge and belief.

Place:

Date:

Seal & Signature

Authorized Signatory of the Co. /Unit

SCHEDULE- V

PRICE BID

Price bid of Supply & Installation of butter cold storage 200 MT capacity.

<u>S.n</u>	<u>Items</u> <u>(As per technical specifications schedule II)</u>	<u>Price Quoted Unit Rate</u> <u>(In Rupees.)</u> <u>(Including, Packing and Forwarding, GST, Transport charges, Loading, Unloading, Insurance, Installation and commissioning and training to BKDS operator.)</u>
1.	Supply, Installation & Commissioning of Refrigeration system for blast freezer chambers of 100 MT capacity (50 MT- 2 Compartment) butter storage in Main dairy plant Sagar as per technical specifications in tender documents.	

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