

INDORE SAHAKARI DUGDH SANGH MARYADIT

CHANDA TALAWALI, MANGLIA-INDORE(M.P)-453771

AN ISO 22000: 2005 & 9001:2008 CERTIFIED ORGANIZATION

Tel: : (0731)- 2811162/Fax No.0731-2811559

E-mail: sanchiindoreplant@gmail.com

Ref No:3320 /ISDSM/PLANT/2024

Date: 29.01.2024

E-TENDER NOTICE

TENDER COST : Rs.5000/-

Online e-tenders (Two Bid System) are invited from the manufacturers / Authorized Supplier for the Supply, Installation & Commissioning of Milk cold Room for 100 KL capacity in Main dairy plant Indore . The tender notice, tender documents, containing the terms and conditions can be purchased online & also submitted through following website <http://www.mptenders.gov> in upto 21/02/2024 at 01.30PM..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Corrigendum/Amendment if any to this publication would appear only on the above mentioned websites and will not be published else where.

CHIEF EXECUTIVE OFFICER

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E-Tender for Supply, Installation & Commissioning of Milk cold Room for 100 KL capacity. from reputed Manufacturer/ Authorized Supplier for ISDSM

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.5000/- (Rupees Two Thousand only)
EMD	:	Rs. 120000/-
Tender Document Download/Sale End Date	:	21/02/2024 Time 01:30 PM
Bid Submission End Date	:	21/02/2024 Time 01:30 PM
Bid Opening Date	:	22/02/2024 Time 02:30 PM
Pre-Bid meeting Date	:	13/02/2024 Time 02:30 PM
Place of opening of Tender	:	Office of the Indore Sahakari Dugdha Sangh Maryadit, Indore.
Address for Communication	:	The CEO, Indore Sahakari Dugdha Sangh Maryadit , Chanda Talawali, Manglia, Indore 453771.

CHIEF EXECUTIVE OFFICER

SCHEDULE-I (GENERAL TERMS AND CONDITIONS)

Indore Sahakari Dugdh Sangh Maryadit Indore invites online tenders (Two Bid System) for Supply, Installation & Commissioning of Milk cold Room for 100KL capacity. 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) online. 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 Milk cold Room for 100 KL capacity.	ISDSM, Indore	1 set As per specificati on	Rs.120000/-

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 Indore Sahakari Dugdha Sangh.Maryadit.

3.0 Scope of Work - Bidders Scope:-

- ISDS want to convert the following space of mention in layout to milk cold room and use the existing refrigeration system for new milk cold room.
- Bidder scope of work includes supply, installation, testing and commissioning of the milk cold 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.
- Uninterrupted AC supply along with M.C.B. Switch for each evaporative unit in each cold room.
- Automatic on/off of the solenoid Valve with temperature set point has to be provided.
- Providing level base/floor (zero – zero) for erection of Milk cold room.(Before carrying out the floor insulation work, it will be the responsibility of the bidder to zero–zero level the existing floor level.) After insulation of flooring is completing , ISDSM will execute the tile work above insulation.
- Water Drains points at site near cold room.
- All pipe works & connection, all valve will be provided by bidders.
- Pipe material – Ms pipe (C-Class) heavy duty.
- Pipe insulation works will be provided by bidders.
- Pipe measurement will depend on site visit.
- There will be separate lines from Existing LPR to cold room and return lines for each evaporative unit.

4.0 Delivery Period

Material supply, installation & commissioning and trial run Within 45 days from the date of confirmed purchase order

5.0 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 borne 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.

6. PREBID

Pre-bid of this tender as per key dates mentioned on page no 2.

7. 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.

- a. The tenderer should quote rate only F.O.R. Indore dairy plant.
- b. Other all duty, if applicable at the destination, shall be borne by the supplier.

8. 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.

- a. Price bid of only those tenderer shall be opened who fulfill all criteria of technical bid successfully.

9. 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 years.
- 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.

10. PAYMENT

- 60% after supply of all required material for said work at site & submitting original invoice.
- 30% after installation, commissioning and successful trial run of machine at site
- 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.

11. GENERAL TERMS AND CONDITIONS

The acceptance of the tender and award of the purchase order will be the sole right of the CEO Indore 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 Indore 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 Indore 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 suppliers 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 electric supply, water supply will be provided at only one point /control power for above system by ISDS.
- 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 suppliers & services are not affected as per the schedules, the liquidated damages may be charged on the goods/ services not so delivered as under:

(A) For supply, installation and commissioning

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

WHARFAGE/DEMURRAGE

Wharf-age /Demurrage etc. on account of incorrect or delayed dispatch of material of document shall be the 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, Indore 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 Managing Director (MPCDF BHOPAL) shall be final in case of any dispute 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 Indore only.
- If the tender opening date become any govt. holiday then the next day may considered for tender opening.

CHIEF EXECUTIVE OFFICER

SIGNATURE OF TENDERER

SCHEDULE- II
TECHNICAL SPECIFICATIONS

Specification for supply, installation and commissioning of Milk cold room.
Basis of design / technical specification for Proposed milk cold room (100KL)

2.1 Requirements for proposed cold room

SNo.	Particulars/ Parameters:	Cold Store (Positive Chamber)	Ante room
1	Room size (L, B, H, in mtrs)	11.20 x 21 x 3.5	21.0 x 1.5
2	Cold Room temperature:	3 Deg C max.	
3	Cooling Capacity	720000 BTU/HR or as per design	
4	Compressor operating duty	-5°C EVA. & 40°C COND. TEMPERATURE	
5	Insulation material & thickness		
	Floor	100 mm PUF	
a)	Ceiling	120 mm PUF	
	Wall	120 mm PUF	
6	Product Stored	Milk/Curd/butter milk	
7	Product quantity per day per compartment	1,00,000 L of milk	
8	Temp. of incoming product	6 Deg C	
9	Pull down time	2 hrs	
10	Packing materials	Polythene pouches in crates	
11	Temp. of packing material	Ambient	
12	Electrical equipment load	FDC + Lighting	
13	Number of workers	6	
14	Ante lock room	PUF 90 MM thickness	

2.2 MAJOR ITEMS PROPOSED

S. N.	Item Description	Capacity
1	Floor insulation Cold Stores	Conventional Insulation for - PUF slabs 100 mm thick (intwo layers - each of 50 mm thickness)
2	Wall insulation Panel with allaccessories for cold stores & ante room	Pre-engineered pre-fabricated sandwich (PCGI) rigidPolyurethane Panel 120 mm thick
3	Ceiling insulation Panel with all accessories for cold stores& ante room	Pre-engineered pre-fabricated sandwich (PCGI) rigidPolyurethane Panel 120 mm thick
4	Manual Sliding type coldstore doors	120 mm PUF insulated door of size 1.2 X 2.1 m.
5	Door	There shall be total four door in the cold room and two door for ante room.
6	Air curtains and PVC strip curtain	Air curtain – 2Nos., PVC strip in all doors
7.	Kick Plate must be included on both sides of door.	
8.	Opening for the crate conveyor window shall be provided with PVC stip.	
9.	Cold store safety systems bidder shall provide	
10	Data Logger for keeping tracking of parameters, mobilebased IOT data logger for Temperature. Data logger duration = 15days	
11	Internal electrification of coldstores and ante room will in the scope of bidder	
12.	Air curtains and all the necessary facilities shall be provided so that the at the time of loading , doors open & closed frequently.	

Specification:-

A. 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.
- 6 Existing pump of LPR system shall be used for supply of Ammonia refrigerant.

B. 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 ODP (Ozone Depletion Potential):
- 5 Fire retardant property : Self extinguishing
- 6 Panel joint : tongue & groove Joint
- 7 Panel to panel fitment: The gap between two fitted panel <3mm
- 8 Panel are suitable for wide temperature range of -30°C to +80°C.
- 9 Easy expandable to larger sizes
- 11 90°C corner panels to ensure stability
- 12 Easy shiftment of cold room to different location

C. 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. Electric connection from supply panel.
6. All the electric motor shall be I3 & above with Maximum power saving.
7. Electric panel shall be provided by bidder ,IP-65

D. Supply, installation & commissioning of ammonia based compressor

i. Compressor – Reciprocating compressor with VFD

Cooling capacity - 100TR

Refrigerant – NH₃ Gas(R-717)

Make – Frick India / Kirloskar/ Equivalent

VFD- Abb/Siemens/Danfoss (For 125 HP)

Motor Capacity- 125 Hp (Abb/ Siemens /Bharat bijlee)

Compressor operating duty -5°C Evaporative/40°C condensing temp.

ii. Evaporation unit:-

- Capacity 15TR x 5unit =75 TR
(It will be based on capacity of proposed cold room)
- Refrigerant - ammonia
- Evap. Temperature = -5°C
- Corrosion resistant , painted galvanized steel sheet
- Tube and all assembly are manufactured from stainless steel 304.
Easily removal side part, panels for maintenance purpose.
- Tube – Stainless steel 304
- Fins – Aluminum fins with corrugated partition.
- Fan + Motor – blade pattern
- Expansion valve- Manual type with solenoid valve.
- Back pressure valve for each evaporation unit = 5 nos , make-
Danfoss/manic
- All the ammonia line valve will be flange type.

ii. Condenser –

- Capacity -150 TR
- Product type – Evaporative
- Type – Induced draft
- Wet bulb x 28°C
- Refrigerant – Ammonia
- Condensing - 40°C
- Fan – 3x800mm, axial fan, motor 1.5 Kw, 415 v/3ph /50hz
- Water flow – 10.5 Lps
- Pump – 1 no. with 1.5 kw, mono block type
- Existing pump of LPR system shall be used for supply of Ammonia refrigerant.

SIGNATURE OF TENDERER

**INDORE SAHAKARI DUGDHA SANGH MARYADIT
CHANDA TALAWALI, MANGLIA INDORE 453 771**

As ISO 9001 : 2000 Certified Organization Plant E-Mail :
sanchiindoreplant@gmail.com / sanchimsids@gmail.com ,9425912919



SCHEDULE – IV

(To be submitted along with the offer)

Form – A

Chief Executive Officer
ISDSM, Indore

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 (Similar nature of work):
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 ISDSM or its sister Milk Unions
or 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:_____

ISDSM, INDORE

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 Milk cold storage 100 KL capacity.

S.n	Items (As per technical specifications schedule II)	Price Quoted Unit Rate (In Rupees.) (Including, Packing and Forwarding, GST, Transport charges, Loading, Unloading, Insurance, Installation and commissioning and training to IDS operator.
1.	Supply, Installation & Commissioning of Milk cold Room for 100 KL capacity in Main dairy plant Indore .	

SIGNATURE OF TENDERER