



BHOPAL SAHAKARI DUGDH SANGH MARYADIT
HABIBGANJ, BHOPAL 462024
AN ISO 9001 : 2000 Certified Organization
E-mail: bsdsim@gmail.com,
Phone 0755-2478250 Fax : 0755-2450896

Ref No. 7

Dated: 07/06/2018

NOTICE INVITING e-TENDER (3rd call)

Online Tenders are invited for supply ,installation & commissioning of Refrigeration plant (skid mounted) at, Shujalpur,Ashta, Multai, Milk chilling centres from reputed manufacturing /distributor/dealer/suppliers. The tender documents containing the terms and conditions can be purchased online & downloaded through following website <http://www.mpeproc.gov.in> from **07.06.18 at 06.00 PM** 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.mpcdf.gov.in OR www.mpcdf.nic.in**

Name of item	EMD Value (Rs.)	Tender Fee (Rs)	Purchase of Tender End Date and Time	Due date & time of bid submission	Tender opening (Envelope-A,B)	Financial Bid Opening
Refrigeration plant (skid mounted) at , Shujalpur,Ashta, Multai, Milk chilling centres	3,00,000/-	3,000/-	27.06.18 02:30 pm	27.06.18 03.00 pm	27.06.18 03.30 pm	29.06.18 03.30 pm

CHIEF EXECUTIVE OFFICER

BHOPAL SAHAKARI DUGDH SANGH MARYADIT

HABIBGANJ, BHOPAL 462024
AN ISO 9001 : 2000 Certified Organization
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Phone 0755-2478250 Fax : 0755-2450896

Tender Document

Schedule I	: General Terms & Conditions.
Schedule I I	: Specification & Qnty & EMD
Schedule III (to be downloaded filled manually & scanned uploaded online.)	: Form A & B
Schedule IV	: Price Schedule to be filled on line
Tender Cost	: Rs.3000/-(Three thousand only)
Place of opening of Tender	: Meeting Hall of The Bhopal Sahakari Dugdha Sangh Maryadit, Bhopal.
Address for Communication	: The CEO, Bhopal Sahakari Dugdha Sangh Maryadit, Bhopal 462024

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: *	3rd	Currency:	Indian Rupee
Email: *		Division/Basin: *	
District:	Bhopal	Vendor Class: *	
Tender Category: *	Procurement	Tender Sub category: *	Machineries
Period of Completion (In months): *	6 months	Tender Type:	
Form Of Contract:		SOR:	
Name of Work: *	Refrigeration plant (skid mounted)	Work No: *	
Tender Fee details			
Probable Amount of Contract(PAC) in: *		EMD in :*	3,00,000/-
Cost of Document in: *	3000/-	Processing Fee in :	
Important Dates			
Purchase of Tender Start Date : *	07.06.18 06.00 Pm	Pre bid meeting Date and Time:	
Purchase of Tender End Date: *	27.06.18 02.30 Pm	Bid Submission End Date: *	27.06.18 03.00 pm
Mandatory Submissions (Envelope A) Open Date: *	27.06.18 03.30 pm	Technical Proposal (Envelope B) Open Date: *	27.06.18 03.35 pm
Financial Bid (Envelope C)Open Date: *	29.06.18 3.30 pm		

* Mandatory field

SCHEDULE – I

General Terms & Conditions for tender submission & material supply

Tender Ref.: BSDS:Cordination:2018

Bhopal Sahakari Dugdha Sangh Maryadit, Bhopal an ISO 14001:2004, ISO 22000:2005, ISO 9001:2008 certified Cooperative organization invites online tenders from reputed manufacturers/dealers or suppliers for Supply, commissioning and installation of Refrigeration Plant at Shujalpur /Ashta/Multai Milk Chilling Centre of Bhopal Sahakari Dugdha Sangh Maryadit, Bhopal with all necessary accessories & mountings strictly in adherence to the details specified in the tender documents.

The Bhopal Sahakari Dugdha Sangh Maryadit, Bhopal 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 TENDER SUBMISSION:

- 1.1 Not more than one tender shall be submitted by a Bidder/Firm.
- 1.2 Tender documents consisting of specifications, schedule(s) etc. of work to be done, the condition of contract and other necessary documents will be opened for inspection online and issued for sale on payment of Rs.3,000/- to be paid online on or before 27.06.18 upto 03.00 PM.
- 1.3 Individuals signing on the tender and other related documents must specify in which capacity of the firm he/she has signed the documents.
- 1.4 The tender shall be submitted by the tenderer in the following three separate envelopes online :
 1. Earnest Money – Envelop ‘A’
 2. N.I.T. and Technical Bid – Envelope ‘B’
 3. Tender in Form – A (Price Bid) – Envelope ‘C’

Note : Online Bidders are required to submit the physical EMD in a physical EMD Envelope – ‘A’ and any other document related to Technical Bid which can not be submitted online in a physical Technical Envelope ‘B’. Price Bid are to be submitted mandatorily online and shall not be accepted in any physical form.

Reference of the EMD is to be mentioned online and a scanned copy of EMD is to be uploaded online. Also, in case of Technical Bids, the list of documents being submitted manually is to be uploaded online.

In the first instance, the Envelope ‘A’ containing the Earnest Money shall be opened manually. If the Earnest Money is found proper the Envelope ‘B’ containing technical

bid shall be opened in the presence of such bidders who choose to be present. The financial offer in Envelope 'C' shall be opened only if tenderer meet the qualification criteria and availability of bid capacity as per qualification, criteria of the technical bid document by the Chief Executive Officer of the Bhopal Sahakari Dugdha Sangh Maryadit, Bhopal. The date of opening of financial bid shall be fixed at the time of opening of technical bid.

- 1.5 The tenderer(s) should clearly state in their offer the address, telephone, fax, e-mail, PAN No. Any change in the address should immediately be communicated to the Chief Executive Officer, Bhopal Sahakari Dugdha Sangh Maryadit, Bhopal and correspondence thereafter will be made at the changed address.
- 1.6 Negligence on the part of tenderer in filling the tender offers has no right to withdraw the tender after it has been opened.
- 1.7 The acceptance of the tender and award of the purchase order will be the sole right of the Chief Executive Officer, Bhopal Sahakari Dugdha Sangh Maryadit 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.
- 1.8 The tenderers should send their offers along with the specifications, necessary drawing etc. which will form on the basis of their quotation and integral part thereof.
- 1.9 The Chief Executive Officer, BSDS 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 any item even after rate approval. Purchase order for sister Unions will be issued by respective Chief Executive Officer.
- 1.10 Each tender should be accompanied with PAN and TIN numbers and sales tax clearance certificate without that the tender may not be entertained.
- 1.11 The tenderers should submit the tender in the enclosed form only. The conditional tenders will be rejected.
- 1.12 No person or firm is permitted to submit more than one tender under different names.
- 1.13 Each page of the tender and its enclosure should be signed at the bottom by the
- 1.14 The tenderer can not sublet the contract or assign to any other party or parties, the whole or any portion of the contract. If found so, the work order will be cancelled and party will be black-listed.

- 1.15 Demonstration of equipment, machines or articles shall be arranged by the tenderer at the desired place at his own cost, whenever requested by Bhopal Sahakari Dugdha Sangh Maryadit.
- 1.16 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.
- 1.17 Tenderer shall fill all the details of the unit in the enclosed form in Schedule-III.

2.0 PURCHASE OF BIDDING DOCUMENT:

2.1 The bid document may be purchased online by interested bidders by payment of non-refundable price of the bid document (Rs. 3000/-) either through internet banking or by Using ATM cum Debit Card from the website <http://www.mpeproc.gov.in> and www.mpcdf.gov.in.

3.0 EARNEST MONEY DEPOSIT :

- 3.1 All the tenderers shall be required to deposit Earnest Money of Rs. 3,00,000/- (Rupees One Lac only) in the form of crossed Demand Draft in favour of Bhopal Sahakari Dugdha Sangh Maryadit, Bhopal. Submissions of Earnest Money by any other mode other than specified above shall not be acceptable and the related tender shall not be eligible for consideration. No earlier EMD/SD lying with this office on any head will be considered as EMD for this tender.
- 3.2 Any tender which is not accompanied by Earnest Money Deposit will be rejected. Earnest Money Deposit of unsuccessful tenderers will be returned within 30 days from the date of opening of the tender. The Earnest Money Deposit of the successful tenderer will be released on completion of supply/successful implementation, testing and warranty (minimum one year) which covers maintenance. During the warranty period if services provided by successful tenderer does not found satisfactory then EMD will be forfeited by BSDS.
The Bid security (EMD) may be forfeited if - A bidder or supplier withdraws its bidduring the period of validity specified by the bidder/supplier on the bid form
or
- In case of successful bidder/supplier, if the bidder/supplier fails to sign the contract.
- 3.3 No interest will be paid on the Earnest Money for the period during which (the EMD) lies in deposit with the Bhopal Sahakari Dugdha Sangh Maryadit.
- 3.4 Demand Draft towards Earnest Money or the money receipts (in case of cash deposits) should be submitted under separate sealed cover alongwith the cover containing quotation.
- 3.5 The earnest money of successful bidder shall be returned after 30 days from completion of one year of tender period

4.0 CONTENTS OF BIDDING DOCUMENT:

- 4.1 The goods required, bidding procedures and contract terms are prescribed in the Bidding Document. The contents of the bidding Document must be in organized order.
- 4.2 The Bidder/Supplier is expected to examine all instructions, forms, terms and specifications in the Bidding Document. Failure to furnish all information required as per the Bidding Document or submission of a bid not substantially responsive to the bidding Document in every respect will be at the Bidder/Supplier's risk and may result in the rejection of its bid.

5.0 LANGUAGE OF BID :

- 5.1 The Bid/tender prepared by the Bidder/Supplier and all correspondence and documents relating to the bid exchanged by the Bidder/Supplier and the purchaser shall be written in the English language. Any printed literature furnished by the bidder/Supplier may be written in another language so long as **accompanied by an English translation** of its pertinent passages in which case, for the purposes of interpretation of the bid, the English translation shall govern.

6.0 DOCUMENTS COMPRISING THE TENDER/BID :

- 6.1 The bid prepared by the Bidder/Supplier shall comprise the following Components:

- A Bid Form and a Price Schedule completed in accordance with given Proforma .
- Documentary evidence established that the Bidder/Supplier is qualified to perform the contract if its bid is accepted.
- Documentary evidence established that the goods and ancillary services to be supplied by the Bidder/Supplier conform to the Bidding Document.
- Bid security (Earnest Money Deposit) along with the bid security details form.
- A statement of deviation and exception to the provision of bidding documents.

7.0 DOCUMENTS ESTABLISHING BIDDER'S EXPERIENCE & QUALIFICATION :

- 7.1 The Bidder/Supplier shall furnish, as part of its bid, documents establishing the Bidder/Supplier's qualifications to perform the Contract if its bid is accepted. The Bidder/Supplier should also give information in the format attached to the Bidding Document.

- That the Bidder/Supplier has the financial, technical and production capability necessary to perform the Contract. To ascertain this, all bids submitted shall include the information as per the proforma along with qualification application (Table 1FormatA & B).
- Copies of original documents defining the constitution or legal status, place of registration and principal place of business of the company or firm or partnership, etc;
- Details of experience and past performance of the Bidder/Supplier on equipment offered and those of similar nature within the past 5 years and details of current contracts in hand and other commitments.
- Major items of plant and equipment available/ installed in the Bidder/Supplier's factory premises.
- Qualification and experience of key personnel for successful execution of the contract.
- Reports on financial standing of the Bidder/Supplier such as profit and loss statements, balance sheets and, auditor's report of the past three years, bankers' certificates etc.
- Information regarding any current litigation in which the Bidder/Supplier is involved.

7.2 Bidder/Suppliers who meet the criteria given above are subject to be disqualified if they have made untrue or false representations in the forms, statements and attachments submitted in proof of the qualification requirements or have record of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion or financial failures etc.

8.0 OPENING OF BIDS BY THE PURCHASER :

8.1 The Purchaser will open the bids, in the presence of the Bidder/Suppliers' representatives who choose to attend, at the time and date specified in the Invitation for bids, at the office of the purchaser. The Bidder/Suppliers' representatives who are present shall sign a register/ form evidencing their attendance.

8.2 The Bidder/Suppliers' names, bid prices, modifications, bid withdrawals and the presence or absence of the requisite bid security and such other details as the purchaser, at its discretion, may consider appropriate will be announce during the opening of the bids.

9.0 RIGHT TO VARY QUANTITIES AT THE TIME OF AWARD :

17.1 The Purchaser reserves the right at the time of award of Contract to increase or decrease by up to 15% (Fifteen percent) the quantity of goods and services specified in the Schedule of Requirements without any change in unit rates as specified in the price break – up or other terms and conditions.

9.0 STANDARDS :

9.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the latest Indian Standards.

10.0 Warranty/Guarantee

10.1 The Bidder/Supplier warrants that the Goods and equipment supplied, installed and commissioned under the Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Bidder/Supplier further warrants that the Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except in so far as the design or material is required by the Purchaser's Specifications) or from any act or omission of the Bidder/Supplier, that may develop under normal use of the supplied Goods in the conditions obtaining in the country of final destination. The Bidder/Supplier also guarantees that the Goods supplied shall perform satisfactorily as per the designed/rated/installed capacity as provided for in the Contract. The warranty will not cover normal wear and tear of consumables and minor spares.

This warranty/guarantee shall remain valid for not less than 12 months after the Goods, or any portion thereof as the case may be, have been delivered and commissioned, or for not less than 18 months after the date of shipment / dispatch, whichever period concludes earlier.

The Purchaser shall promptly notify the Bidder/Supplier in writing of any claims arising under this warranty.

Upon receipt of such notice, the Bidder/Supplier shall, with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser other than, where applicable, the cost of inland delivery of the repaired or replaced Goods or parts from the port of entry to the final destination.

If the Bidder/Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to take such **remedial action** as may be necessary, at the **Bidder/Supplier's risk and expense** and without prejudice to any other rights which the Purchaser may have against the Bidder/Supplier under the Contract.

This warranty/guarantee shall not cover any damage/s resulting from normal wear and tear or improper handling by the Purchaser or his authorized representatives.

The Bidder/Supplier shall guarantee the complete installation for satisfactory performance for a minimum period of twelve months from the date of commissioning. The Bidder/Supplier at his own cost shall rectify any defect arising out of faulty installation or use of substandard material or workmanship.

11.0 LIQUIDATED DAMAGES:

11.1 Once firm delivery date(s) are fixed, they shall be strictly adhered to. In case they are not followed, Bhopal Sah. Dugdha Sangh Mydt., reserves the right either to cancel the order and make alternative purchases at the risk and expenses of the defaulting supplier or to charge liquidated damages from him/her at the rate of 2% of the value of goods not so delivered for each month's delay or part thereof. In case of delay the penalties would be deducted as under

<u>Duration of delay</u>	<u>Penalty</u>
Up to 15 days	2% cost of the unit.
Between 16 to 30 days	5% cost of the unit
Beyond 30 days	Up to 10% cost of the unit.

11.2 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/SD also would be forfeited.

12.0 TAXES AND DUTIES:

12.1 The **Bidder/Supplier** shall be **entirely responsible** for all taxes, duties, license fees, etc. incurred until delivery of the contracted Goods to and taking over of the works by the Purchaser. The onus of paying all the statutory levies as per the applicable tariff heads and norms shall be on the Bidder/Supplier.

13.0 BREAK-UP PRICES:

13.1 All the Bidder/Suppliers shall furnish the cost separately for the supply and installation/commissioning along with detailed cost break-up (item-wise), which will be applicable for progressive payments. Items and works for which no break-up price is furnished by the Bidder/Supplier will not be paid for by the Purchaser when supplied/executed and shall be deemed covered by other break-up prices. Such break up cost should be based on ex-works cost and percentage of ex-works cost should be indicated separately for packing and forwarding, transportation, insurance and other incidental charges, erection, and commissioning on percentage basis for each item.

14.0 PAYMENT FOR SUPPLY, INSTALLATION AND COMMISSIONING CONTRACTS:

14.1 **Supply components/Erection Component**

1. 50% payment within 30 days of the safe receipt of the goods at site.
2. 30 % balance payment after installation, commissioning and trial run.
3. 10 % payment after acceptance by the Purchaser's representative and submission of performance bank guarantee of Rs. 5 lacks of any nationalized Bank as per the terms of the Contract/purchase order.
4. Remaining 10% after 1 year of completion of project.

15. **DISPUTE ARBITRATION & FINAL AUTHORITY**

Any dispute arising out of the tender /work assigned to the successful bidder shall be amicably resolved through mutual discussions /interactions within 15 days .If the dispute persists and is not resolved by mutual discussions within the prescribed time frame ,either party may refer the dispute for resolution before a sole arbitrator ,who shall be consented by both the parties .Arbitration proceedings shall be held at Bhopal only.

Jurisdiction in case of all the dispute not resolved in the arbitration or otherwise, will be the court in Bhopal only.

In Case of any conflict between any remarks/Terms an conditions /notes stipulated in the tender document, the decision of CEO BSDS Bhopal would be final.

TERMS AND CONDUITIONS

- If any act of commissions or Commission of a unit under contract brings Bhopal Sah. Dugdha Sangh Mydt. to dispute, then Bhopal Sahakari Dugdha Sangh shall be competent to debar/blacklist the unit from further business.
- If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the equipment proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such equipment until rectification of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchasers' operation.
- No responsibility shall be attached for premature opening of tender not properly addressed and identified the tender received against the advertisement up to specified time limit shall be considered but the lowest rate shall not be the only criteria for awarding the tender
- negligence on the part of tender gin filling the tender after no right to withdraw the tender after it has been opened
- the tenderers should send their after along with specification necessary document etc which will be on the basis of their quotation and integral part thereof
- The tender received against the adjustment up to the specified time limit only shall be considered the bhopal sha. dughdah sangh shall not be bound to accept lowest rate tender
- Each tender should be accompanied with income tax clearance certificate, service tax , sale tax number and sales tax clearance certificate.

- the submission of a tender by tenderers implies that he/she read the notice and condition of the tenders and the terms and condition of the contract and made him/her self aware of scope and specification of the supplies to be made and the destination where the supply have to made and satisfied him/her self regarding the quality and specification
- the tenderers should submit tender in enclosed format only
- PURCHASER i.e. BSDS reserved all the rights and have all authority to cancel bidders bid and renders tender without given any explanation to whom so ever it may concern

14.0 SIGNING OF CONTRACT:

- 14.1 At the same time as the Purchaser notifies the successful Bidder/Supplier that it's Bid has been accepted, the Purchaser will send the Bidder/Supplier the Contract Form /Purchase Order incorporating all agreements between the parties.
- 14.2 Successful tenderer shall enter into an agreement with BSDS in the prescribed form within 7 (seven) days on receipt of letter of acceptance.
- 14.3 Within 15 days of receipt of the Contract, the successful Bidder/Supplier shall return the duplicate copy of the Order duly signed and sealed in token of acceptance of the order to the Purchaser.
- 14.4 Failure of the successful Bidder/Supplier to comply with requirement of Clause (14.1, 14.2 & 14.3) shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next lowest evaluated Bidder/Supplier or call for new bids.

Signature of tenderer

Chief Executive Officer
BSDS

Note: Tender reference must be indicated on top of the envelope.

SCHEDULE – II

INTRODUCTION

The refrigeration plant is to be strengthened to full Chilling capacity of dairy plant at Shujalpur /Ashta/ Multai For Shajapur CC we require to install a new IBT with all accessories along with the refrigeration system of Ammonia based existing refrigeration plant.

The proposed plant shall have facility to receive raw milk in milk can's reception , chilling, storage and dispatch. All the utilities shall be planned, designed and erected accordingly.

SITE ADDRESS:

Shujalpur Milk Chilling Centre, Pachore Road shujalpur Distt. Shajapur,(M.P.)

Ashta Milk Chilling Centre, Indore Road Disst Sehore,(M.P.)

Multai Milk Chilling Centre, Nagpur Road Multai, (M.P.)

(A Unit of Bhopal Sahakari Dugdh Sangh Maryadit)

Contact Person: AGM (Coordination)

Mobile No: 9406900332

E-Mail Id: bsdscoord@gmail.com

Design Basis

HISTORY

The brief details of existing dairy set up are as follows;

- A. Raw Milk Reception- Total 60,000 Lit/day in milk cans.
- B Raw Milk Chiller 05 Kl/hour
- C Raw Milk Chilling presently 60000 Lit/day out of which 40000 lits in day shift & remaining 20000 ltrs in night shift to dispatch the same to main dairy Bhopal plant through milk tankers and milk collection is increasing day by day & year by year.

The above data is provided for vendor information only.

Brief technical specifications and scope of supply is given as below. Bidders are requested to read it carefully. Bidders are also requested to visit the dairy plant to get more clear idea for scope of supply before quoting for the work.

Technical Specification for IB Tank with all Accessories : (For milk Chilling Centre Shujalpur in existing refrigeration plant)

1- IBT made of MS plate of 10 mm bottom & 8 mm side wall and Partition (Tank size 5m x 4 m x 2.06m). Of tank will be in two parts. The grade of plate will be ISO -2062 with all civil works.

2- Ice Accumulation coils – (IBT Coils)

Refrigerant coils shall be fabricated of 32mm heavy 'C' class as per IS 1239/32 mm NB CS seamless steel pipe of grade SA 106 schedule 40. This should be intended to suit the operations of these coils gravity force liquid refrigerant (over feed system) Each coil is supplied from the liquid header through a fixed metering orifice to ensure even distribution of liquid. The metering orifice provided for each spiral coil circuit shall be mounted preferably horizontally instead of vertically. The coils have positive grade from the top supply header to bottom suction (wet return) header. The suction riser incorporates a lift fitting suitable provision shall be made for effective draining oil, if entrapped in coil.

All submerged pipe work and supports shall pasivated or sand blasted to bare metal and hot clip galvanized/spray galvanized as the case may be.

In case of hot dip galvanization wherever specified in the tender specification, the minimum zinc coating is

75 to 80 micron uniform thickness all around the surface.

In case of spray galvanization wherever specified in the tender specification the minimum zinc coating required is 120 to 125 microns uniform thickness all around in surfaces.

3- Specification for liquid accumulators:

Large horizontal cylindrical, type with dished ends, complete with electronic level control connected to liquid feeding solenoid valve for maintaining the percentage liquid level in the accumulator one each, for each compartment of IBT coil. The flow of liquid refrigerant to the chilled water coils shall be along with stop valve, strainer ,by-pass arrangement with valve,ice limit, switch and suitable hand operated action valve.

The liquid accumulator shall be 320 RMT and as per the capacity of 5x5 Frick ammonia compressor.

4 **Agitator** accessories suitable for IBT and motor with accessories are of Kirloskar/Crompton make

5 **Fiber glass** reinforced polymer (FRP) make tank cover (IBT cover).

6 Insulation of IBT -

Insulation of tanks with 100mm thick EPS in two layers each of 50mm thick for the application of surface and floor insulation thermocol (EPS)

7 Painting of IBT internal surface of the tanks -

The ice bank tank side wall should be wire brushed or sand blasted to the required grip and then apply one coat of 100 microns thick epoxy based high built primer followed by two coats of high built epoxy based paint of 100 microns thick for each coat of paint of approved make and shade after applying the second coat of finish paint as above. Leave the surface undisturbed for curing and standard required before installing the IBT coil.

TECHNICAL SPECIFICATION :-

SPECIFICATION FOR REFRIGERATION PLANT SKID MOUNDED **FOR CHILLING CENTRE SHUJALPUR ,ASHTA & MULTAI**

S. No.	DESCRIPTION	QTY.
1.	High speed Ammonia Reciprocating compressor, of reputed make Capacity 60 TR (Performance Will be given to frick India 454 XL and kirloskar KCX -3 Make) -5°C suction Temp:40°C Condensing temp with suitable oil separator accessories including motor & Pannel board .(Two each for chilling centre Shujalpur, Ashta & Multai.)	6 Nos.
2.	Evaporative could condenser of reputed make 120 TR , with all accessories viz. complete with angle support, pressure gauges, approach ladder, valves ,pump and fan with motor and mountings as per Capacity.	3 Nos.
3.	PHE(chiller) Alfa Laval/Danfoss Make PHE type with valves,controls,instruments with all Accessories.	3 Nos.
4.	Ammonia Receiver suitable of reputed make plant capacity 60 TR. The plate shall be IS-2062.Thickness 10 mm ,Hydraulic testing pressure max: 25 kg/cm ²	3No
5.	Accumulator -5°C with all accessories & mountings.	3 Nos
6.	Refrigerant; R 717 (NH 3) Ammonia.	
7.	Refrigerant pipe & pipe fitting. The pipe shall be TATA make MS "C" Class IS1239.Or NB-CS Seamless Steel pipe of grade SA 106 Schedule 40	3 Lots
8.	Ammonia Valves & Valve fittings. Valves should be Danfoss make.	3 Lots
9.	GI pipe & pipe fitting for compressor, condenser and drain etc. The valve shall be Danfoss Make and pipe should be GI "C" Class TATA make.	3 Lots
10.	Chilled water supply pumps Beacon/Kirloskar (5 HP 2900 RPM) of the plant	6 Nos.
11.	Cable fitting for fan, Pump & Motor. The cable should be Havells/Anchor/Finolex of Different sizes as per drawing. All cable from panel should be Copper cable.	3 Lots
12.	Insulation Cladding of suction line, accumulator, chilled water line with 24 gauge Aluminum Sheet & Thermocol (EPS) density of 0.96 – 1.04g/cm ³	3 Lots
13.	Chilled water pipe in GI "C" class 100 mm dia as per requirement .(TATA Make or equivalent)	3 Lots
14.	MS Structure for Supporting of piping as per requirement for firm structure	3Lots
15.	Cubical Type Electrical Panel. Total Switch Gear shall be L & T make	3 No.
16.	Oil Charging Unit (oil loading & unloading system ,common for all compressor)	3 Nos.
17.	Surge Drums of suitable capacity	6 Nos.
18.	Control :- liquid level float valve (high level, low level) with liquid indicator, Solenoid valve	3 Lots

	Danfoss make and bypass system ,filter and expansion valves(manually operated) danfoss.	
19.	Other Pipelines TATA make equivalent or Valves, and accessories (Danfoss) required for installation .	3 Lots.
20.	Ammonia gas & compressor oil (installation and commissioning as per the requirement)	3Lots
21.	Erection, Commissioning and Testing with necessary foundation civil work, Earthpit and Accessories.	
22.	Foundation Work (civil work) for Ammonia Plant. As per requirement	
23	Dismantling of old unit , if required .	

Note : The job shall be treated as Turnkey job including all taxes and duties . It shall be a fix contract and any variation once the offer is finalized and purchase order is placed shall not be acceptable in any nature.

BHOPAL SAHAKARI DUGDH SANGH MARYADIT

HABIBGANJ, BHOPAL 462024

AN ISO 9001 : 2000 Certified Organization

E-mail: bsdsim@gmail.com,

Phone 0755-2478250 Fax : 0755-2450896

Form – A

(To be uploaded - mandatory)

To,

Chief Executive Officer

BSDSM, Bhopal

Dear Sir, Please find enclosed herewith scan copy of DD No... .. dtd... ..
for Rs... ..towards EMD deposit. Original will be submitted before mandatory date &
time.

Seal & Signature of the of the tenderer

BHOPAL SAHAKARI DUGDH SANGH MARYADIT

HABIBGANJ, BHOPAL 462024

AN ISO 9001 : 2000 Certified Organization

E-mail: bsdsim@gmail.com,

Phone 0755-2478250 Fax : 0755-2450896

SCHEDULE – III
Form – B (To be uploaded -mandatory)

To,
Chief Executive Officer
BSDSM, Bhopal

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) : _____

Mobile 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/fabricator Co.(with proof)

8. GST NO. _____ dated _____

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. Technical details of machinery shall be supplied.(enclose sheet if required)

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

BHOPAL SAHAKARI DUGDH SANGH MARYADIT
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SCHEDULE – IV**Form – C
PRICE BID (Online only)**

TENDER NUMBER	
NAME OF TENDERER	

S.No.	DESCRIPTION	CAPACITY	Price for each unit inclusive of all taxes and duties, transportation, unloading, installation, commissioning and insurance (Indian rupees)
1.	Supply, commissioning and installation of Refrigeration Plant Skid mounded at Shujalpur /Ashta/Multai Milk Chilling Centre	(60,000 LPD Cap.)	
2.	IB tank with all accessories (for milk chilling centre Shujalpur)	As per specification	

OTHERS:

- Delivery Schedule
- Warranty/ Guarantee:
- Any other information:

(Seal & Signature of the tenderer)