

SRI GANGANAGAR ZILA DUGDH UTPADAK SAHKARI SANGH LTD.
Industrial Area, HANUMANGARH JN. 335512 (Raj.)
(AN FSMS ISO- 22000:2018 Certified Organisation)

Tel. 01552-260522,
Mob. 77260 07305

E MAIL- purchasegangmul@gmail.com
gngmu-rj@nic.in

Tender Notice

No. Gangmul /PUR/2024/2291-94

Dated: 10.06.2024

Sealed tenders are invited from Manufacturer, Distributor or Regd. Supplier for the following items:-

Sr. No.	Item	App.Qty./ Value	Earnert Money (RS.)	Date & time of tender	
				Sale	Opening & palace
01	Tender Invited for Supply of Frozen Semen Containers Cap. 3 ltr., 23 ltr., 35 ltr., 47 ltr. & LN Containers Cap. 50 ltr., as per Tender	7.92 Lakhs	16000/-	19.06.2024 upto 11.30 AM	19.06.2024 at 2.00 PM, Gangmul Hanumangarh

Tender form may be obtain from this office on any working day in working hours on cash payment/ DD of Rs. 236/-. The filled form will be accepted upto 1.00 PM on last date of tender. The tender form received without earnest money will be rejected. Under signed reserve the right to accept or reject any tender form in full or in part without assigning any reason. Tender form can be download from www.sppp.rajasthan.gov.in & www.sriganganagarmilkunion.com


(Ugrasen Saharan)
Managing Director

Copy to: -

1. Editor-----with request to kindly publish above notice once in your news paper as early as possible in the -----space with union logo.
2. Incharge Accounts Gangmul Hanumangarh Junction
3. A.P.S. to Managing Director.
4. Office Copy / Master File
5. Notice Board


Managing Director

SRI GANGANAGAR ZILA DUGDH UTPADAK SAHAKARI SANGH LTD.,
INDUSTRIAL AREA, PHASE-I, HANUMANGARH Jn. 335512 (Raj.)
(AN FSMS ISO- 22000:2018 Certified Organisation)

GST 08AAAAS3423N1ZC

Tel. 01552-260522, 77260 07305

E MAIL- gngmu-rj@nic.in

purchasegangmul@gmail.com

TENDER FORM

**Address to : The Managing Director
Sri Ganganagar Zila Dugdh Utpadak Sahkari Sangh Ltd.,
Industrial Area, Hanumangarh Jn. 335512 (Raj.)**

**Managing Director
Sri Ganganagar Zila Dugdh
Utpadak Sahkari Sangh Ltd.
Hanumangarh**

1. Tender for Supply of - **F.S Contariner Cap. 3 ltr., 23 ltr., 35 ltr. & 47 ltr. and LN₂ Container Cap. 50 ltr. as per specifications**
2. Cost of tender form Rs. 200.00+18% GST (Rs. 236.00)
3. Last date of obtaining of tender 19.06.2024 at 11.30 AM.
4. Tender can be submitted up to 1.00 P.M. on 19.06.2024 which will be opened at 2.00 P.M. on Dated 19.06.2024.

5. Name and address of party: _____

Email : _____

6. Phone No. _____ Mobile No. _____

7. GST No. (Copy Attached) : _____

8. EMD Rs. 16000/- Receipt/DD No. : _____

Form Fess Rs. 236/- Receipt/DD No. : _____




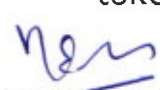
9. Name of the person/ : _____
Authorized to negotiate
and sign the contract

10. PAN No. (Copy Attached) : _____

11. The validity of offered rate will be for 30 days till finalization of tender from the date of bid submission (withdrawal of offer within which by me/us shall be liable for forfeiture of the EMD deposited) After finalization of tender the rate approved by sangh will valid for contract period for successful bidder.

12. We agree to abide by all the conditions mentioned in the tender notice issued by the Managing Director, Sri Ganganagar Zila Dugdh Utpadak Sahkari Sangh Limited, Hanumangarh and also the other conditions of the tender documents in the attached sheets (all the pages of which have been signed by us in token of our acceptance)

Signed and sealed by Tenderer in
token of acceptance of above


   
(S. K Sidana) (G.C Swami) (Mukesh Kumar) (Mahender Kumar)
I/C Pur I/C Plant I/C Q.C I/C Accts

General terms and conditions of the tender and contract

1. Tender must be enclosed in a properly sealed envelope and marked tender notice number & item on the envelope, for which tender is given and according to the directions given in tender notice. Only one tender should be kept in one envelope. In case more than one, tender is kept in an envelope, all the tenders thus kept may be ignored.
2. The rate/unit must not under any circumstances be altered and the rates must be entered in words as well as in figures. The rates in figure will be final.
3. The quantities mentioned in the tender are tentative and the actual quantities to be procured may vary upward or downward according to the actual requirements.
4. No responsibility shall be taken for the pre-matured opening of the tender which is not properly addressed or identified.
5. No tenders / rates by way of fax/telegrams/telephone/telex etc. will be accepted /considered unless GANGMUL specifically asks for rates through such mode of communications.
6. The approved supplier shall be deemed to have carefully examined the conditions, specifications, size make and drawing etc. for the goods to be supplied.
7. The contractor shall not assign or sub-let his contract or any substantial part thereof to any other agency.
8. The Managing Director or his nominee shall have all reasonable time access to the tenderer premises, and shall have the power at all reasonable time to inspect and examine the material and workmanship of the goods.
9. The tenderer shall, invariably furnish complete address of the premises of his office/ godown and workshop with the name of person to be contacted with mobile and telephone numbers, where inspection can be made together with full name and address of the person who is to be contacted for the purpose with the deal of telephone & mobile no. In case of those dealers who have newly entered into business, letter of introduction from their bankers will be necessary.
10. It is necessary for suppliers to maintain quality of the material supplied as per prescribed standards and specifications
11. In case the supplied goods are not as per the approved quality specifications, make or required size to use for the job, the same will be rejected and rejected articles must be removed/lifted by the tenderer within a week time from the site at their own cost after getting the information of rejection after that Gangmul can impose the penalty as per the discretion of managing director.
12. The tenderer shall be responsible for the proper packed supply to avoid any damage in the normal condition. The supplier, if he so desire, may insure the valuable goods at his own cost against loss by theft, destruction, riots or damage by fire, flood, under exposure to weather etc.
13. No alteration and over writing should be made in the tender form.

Signed and sealed by Tenderer in
token of acceptance of above


(S. K Sidana)
I/C Pur


(G. C Swami)
I/C Plant



(Mukesh Kumar)
I/C Q.C



(Mahender Kumar)
I/C Accts


SRI GANGANAGAR ZILA DUGDH UTPADAK SAHKARI SANGH LTD.
Industrial Area, HANUMANGARH JN. 335512


14. The tenderer should sign the tender form on each page at the end in token of the acceptance of all the terms and conditions of the tender and agreement.
15. All quoted rates must be FOR GANGMUL Dairy Plant store, Hanumangarh jn., inclusive of all taxes **no cartage will be paid by Gangmul.**
16. Tender form must be accompanied by an earnest money of **Rs. 16000/-** (In words Rs. Sixteen thousand only) without which tender will not be considered. The amount should be Deposited either in the form of cash or Deemand Draft in favor of **Managing Director, Sri Ganganagar Zila Dugdh Utpadak Sahkari Sangh Ltd., Hanumangarh** Earnest Money of L-1 and L-2 will be detained and remaining unsuccessful tenderer EMD shall returned after disposal of financial bid and EMD of L-2 will be refunded after due process completed by L-1 or within 90 clear days from the opening of the tender. Where as, in the case of successful tenderer it shall be become part of security.
17. The tenders received earlier shall be opened on scheduled date and time in the office of M.D, GANGMUL Dairy, HANUMANGARH or in the office in the premises so designated. The tenderers of their accredited agent /representative if they wish shall be allowed to be present at the time of opening of the tender.
18. Negligence on the part of the tenderer in preparing /filling the tender confers no right to withdraw the tender after it has been opened by the committee and shall be dealt in normal course.
19. Remittance Charges on movement to the firm will be borne by the tenderer.
20. **If the approved suppliers fails either to work/supply as per the prescribed specifications or to complete the job within specified period, the EMD of approved supplier will be forfeited. Gangmul can purchase the material from second lowest party**
21. Sri Ganganagar Zila Dugdh Utpadak Sahakari Sangh Ltd., Hanumangarh reserves the right to accept any tender not necessarily the lowest tender and reject any tender without assigning any reason thereof. Order can be placed for the whole or part of the tender at the absolute recreation of the Dairy Plant.
22. **Payment shall be made within one month from the date of receipt of material and in satisfactory condition at Gangmul Dairy Plant, Hanumangarh**

Signed and sealed by Tenderer in
token of acceptance of above


(S. K Sidana) I/C Pur


(G. C Swami) I/C Plant


(Mukesh Kumar) I/C Q.C



(Mahender Kumar) I/C Accts

**SRI GANGANAGAR ZILA DUGDH UTPADAK SAHKARI SANGH LTD.
Industrial Area, HANUMANGARH JN.**

23. If the goods are not supplied within 25 days from the date of issue of purchase order then the goods will be arranged on tenders risk and cost.
24. Sri Ganganagar Zila Dugdh Utpadak Sahakari Sangh Ltd., Hanumangarh has the right to split the tender between one or more parties and also the right to accept or reject any tender in part or full rests with Managing Director, Gangmul Dairy, Hanumangarh.
25. Statutory deductions if any will be made from bill.
26. The specifications, conditions of the tender constitute an integral part of the tender.
27. Tenderer may strike out the items for which they do not want to participate.
28. Terms and conditions other than these documents shall not be accepted.
29. Direct or indirect canvassing on the part of tenderer or representative will be disqualifying their tenders.
30. Download Tender form must be accompanies by tender fees & earnest money. Tender form without fees & earnest money will be rejected.
31. No refund of tender fee is claimable for tenders not accepted or forms returned or tenders not submitted
32. GANGMUL also reserves the right to black list if the performance of approved supplier with respect of quality and time of supply etc. if found unsatisfactory. GANGMUL also reserves the right to forfeit the earnest money /security deposit side by side to recovering other due amounts in any other way including legal resources

Important Instruction:- The Law relating to procurement "The Rajasthan Transparency in Public Procurement Act, 2012" [hereinafter called the Act] and the "Rajasthan Transparency in Public Procurement Rules, 2013" [hereinafter called the Rules] under the said Act have come into force which are available on the website of State Public Procurement Portal <http://sppp.rajasthan.gov.in> Therefore, the Bidders are advised to acquaint themselves with the provisions of the Act and the Rules before participating in the bidding process. If there is any discrepancy between the provisions of the Act and the Rules and this Bidding Document, the provisions of the Act and the Rules shall prevail

Signed and sealed by Tenderer in
token of acceptance of above


(S. K Sidana) (G.G Swami) (Mukesh Kumar) (Mahender Kumar)
I/C Pur I/C Plant I/C Q.C I/C Accts

SRI GANGANAGAR ZILA DUGDH UTPADAK SAHAKARI SANGH LTD.,
INDUSTRIAL PHASE-I, HANUMANGARH JN. 335512 (Raj.)
(AN FSMS ISO- 22000:2018 Certified Organisation)

PRICE BIDDate of opening :- **19.06.2024 at 2.00 P.M.**Tender for Supply of F.S Container Cap. 3 ltr., 23 ltr., 35 ltr. & 47 ltr. and LN₂ Container Cap. 50 ltr. as per specifications

ADDRESSED TO: THE MANAGING DIRECTOR, GANGMUL, HANUMANGARH.

Name and full address of the firm submitting the tender:-

M/S.....

.....





.....

Telephone Nos. Mobile

Our tendered rates are as follows: -

ITEM NAME-		Rate per unit
1	Supply of Frozen Semen Containers Cap. 3 ltr. (Qty. 10 Nos.)	
2	Supply of Frozen Semen Containers Cap. 23 ltr. (Qty. 2 Nos.)	
3	Supply of Frozen Semen Containers Cap. 35 ltr. (Qty. 6 Nos.)	
4	Supply of Frozen Semen Containers Cap. 47 ltr. (Qty. 6 Nos.)	
5	Supply of Liquid Nitrogen Containers Cap. 50 ltr. (Qty. 5 Nos.)	
BASIC PRICE	
GST	
TOTAL		
(FOR Hanumangarh Dairy inclusive of all taxes & duties)		
Rs. (In Words).....		

SIGNATURE OF THE TENDERER
WITH OFFICE SEAL & DATE





 (S. K Sidana) (G.C Swami) (Mukesh Kumar) (Mahender Kumar)
 I/C Pur I/C Plant I/C Q.C I/C Accts

Section II:

Evaluation and Qualification Criteria

1. The Bidder must be a manufacturers, Distributors or Authorised by Manufacturer.
2. The Bidder must not have been debarred by the State Government/Centre government or Sri Ganganagar Zila Dugdh Utpadak Sahakari Sangh Ltd., or blacklisted by any other procuring entity.
3. Submit acceptance of tender document and specifications in the enclosed format.
4. The Bidder should have upload last two year Turnover/ITR Copies with tender form.
5. The Bidder must have PAN number and GST number. Enclose self attasted copy
6. The successful Bidder will be one who fully agrees to comply with all the terms and conditions of this Bid documents without any omission, deviation and reservation and possesses the required qualifications and experience and whose financial bid is evaluated as the lowest by Sri Ganganagar Zila Dugdh Utpadak Sahakari Sangh Limited, Hanumangarh
7. All The Items will be Evaluated Together.

**SIGNATURE OF THE TENDERER
WITH OFFICE SEAL & DATE**



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Gangmul Sahiwal PT Project - RGM

SPECIFICATION FOR LIQUID NITROGEN FROZEN SEMEN CONTAINER - CAPACITY: 3.9 LITRES

Sr. No	Item Description																										
1	FUUNCTIONAL REQUIRMENT																										
1.1.	The container filled with Liquid nitrogen would be used to preserve frozen semen doses in canisters/goblets at NTP for filed use.																										
2.	DESIGN REQUIRMENTS																										
2.1	The design parameters for a Liquid Nitrogen containers shall be as under: <table border="1" style="width: 100%; margin-top: 10px;"> <tbody> <tr> <td style="width: 50%;">Net capacity</td> <td>3.9 Litres +/- 5%</td> </tr> <tr> <td>Neck diameters</td> <td>50mm +/- 1mm</td> </tr> <tr> <td>Straw holding capacity</td> <td>Single level 0.25 ml 1560 nos.</td> </tr> <tr> <td>No. Of canister for goblets</td> <td>6</td> </tr> <tr> <td>Max. Allowable static evaporation</td> <td>0.135 Litres/day</td> </tr> <tr> <td>Minimum required static holding</td> <td>29 days</td> </tr> <tr> <td>Field working duration @ 1.6 safety</td> <td>18 days</td> </tr> <tr> <td>Material of construction:</td> <td></td> </tr> <tr> <td>Container body</td> <td>Alu. Alloy Grade IS 737-1974 (52000).</td> </tr> <tr> <td>CAP</td> <td>Polycarbonate</td> </tr> <tr> <td>Insulation</td> <td>Multi-layer Super Insulation (MLSI)</td> </tr> <tr> <td>Container OD</td> <td>225mm +/- 15mm</td> </tr> <tr> <td>Container height</td> <td>450 mm +/-75mm</td> </tr> </tbody> </table>	Net capacity	3.9 Litres +/- 5%	Neck diameters	50mm +/- 1mm	Straw holding capacity	Single level 0.25 ml 1560 nos.	No. Of canister for goblets	6	Max. Allowable static evaporation	0.135 Litres/day	Minimum required static holding	29 days	Field working duration @ 1.6 safety	18 days	Material of construction:		Container body	Alu. Alloy Grade IS 737-1974 (52000).	CAP	Polycarbonate	Insulation	Multi-layer Super Insulation (MLSI)	Container OD	225mm +/- 15mm	Container height	450 mm +/-75mm
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Insulation	Multi-layer Super Insulation (MLSI)																										
Container OD	225mm +/- 15mm																										
Container height	450 mm +/-75mm																										
2.2	It should be high vacuum multi-layer super insulated. The supplier should indicate the degree of vacuum (absolute pressure) in 'Torr' - warm sealing vacuum of 5x10-3 torr or better and the material of insulation- imported paper and Al foil is required.																										
2.3	The cap of the container must be suitable for convenient use: outer Lid made of SS 304/Polycarbonate and inner neck plug with insulating material like fishery foam suitable to withstand a temperature range of -200 to + 50 deg C. The inner plug should be grooved to much with canisters. The cap should have provision for locking during transit.																										
2.4.	The container should be provided with a set of 6 canisters made of stainless steel AISI 304 tube/cup, with easy displacement facility for removal of frozen semen straws.																										
2.5.	The canister should be sturdy to withstand regular use. The joints with fibreglass tube and SS rod must be glued to withstand regular removal & insertion of canister canister should be suitable to withstand a temperature range of -200 to +50 des C. The canister shoulhave minimum height of 120 mm and provided with a hole o 2mm approw dia at 20 mm approx from bottom of the canister. Each canister should accommodate one goblet of 35mm dia,in one level.																										
2.6.	The canister should fot into slots of the indexing ring of the container neck and to be held firmly in place by container cap. The canister should have smooth surface and all the weld joints should be smooth without causing any damage to container or persons handling.																										



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2.7.	The inner and outer corners of the container should be well radiused.
2.8.	Lifting handle/handles should be provided for easy handling of the container.
3.0.	INSPECTION:
3.1	Purchaser reserves the right to inspect the Liquid Nitrogen Containers during manufacturing stages and witness the performance test.
4.0.	GENERAL
4.1.	The Container should be Warranted for two years from the date of dispatch against defects in design workmanship or substandard material.
4.2	Each container should be provided with a test certificate and warrantee card.
4.3	Containers should be packed separate with proper packing material to avoid damage during transit.
4.4	Container to be certified to BIS standard IS:11552
5.0	Manufacturer to conduct in-house QA stages and Inspection Test Reports for Each Batch to Consist of he Following:
	. Raw material (Aluminium)Physical and chemical test report copy
	. Incoming MLSI Check
	. Welding soundness – MSLD
	. Warm vacuum – sealing
	. Painting
	. Final assembly


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Gangmul Sahiwal PT Project - RGM

SPECIFICATION FOR LIQUID NITROGEN CONTAINER FOR BULK STORAGE AND TRANSPORT OF FROZEN SEMEN-CAPACITY: 23 LITRES

1. FUNCTIONAL REQUIREMENTS.

- 1.1 The container filled with liquid nitrogen would be used to preserve frozen semen doses in canisters/goblets at NTP for field use.

2. DESIGN REQUIREMENTS

- 2.1 The design parameters for a Liquid Nitrogen container shall be as under :

Net capacity	23.5 litres +/-5%
Neck diameter	90mm +/- 1.5mm
Straw holding capacity	Single level 0.25 ml – 7380 nos.
No. of canister/goblets	9
Max. allowable static evaporation rate	0.35 Litres/ day
Minimum required static holding time	67 days
Field working duration @ 1.6 safety factor	45 days
Material of construction:	
Container body	Alu. Alloy Grade IS 737- 1974 (52000).
Cap	Polycarbonate / SS304
Insulation	Multi-layer Super Insulation (MLSI)
Canister outside diameter / height	68 mm / 120 mm
Container OD	450mm +/- 15mm
Container height	450mm +/- 15mm

- 2.2 It should be high vacuum multi-layer super insulated. The supplier should indicate the degree of vacuum (absolute pressure) in 'Torr' – warm sealing vacuum of 5×10^{-3} torr or better and the material of insulation- imported paper and Al foil is required.
- 2.3 The cap of the container must be suitable for convenient use; outer lid made of SS 304/Polycarbonate and inner neck plug with insulating material like fishery foam suitable to withstand a temperature range of -200 to + 50 deg C. The inner plug should be grooved to match with canisters. The cap should have provision for locking during transit.
- 2.4 The container should be provided with a set of 9 canisters made of stainless steel AISI 304 tube/cup, with easy displacement facility for removal of frozen semen straws.
- 2.5 The canister should be sturdy to withstand regular use. The joints with fiberglass tube and SS rod must be glued to withstand regular removal & insertion of canister should be suitable to withstand a temperature range of -200 to + 50 deg C. The canister should have minimum height of 120 mm and provided with a hole of 2 mm approx dia at 20


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mm approx from bottom of the canister. Each canister should accommodate one goblet of 65 mm dia. in one level.

- 2.6 The canister should fit into slots of the indexing ring of the container neck and to be held firmly in place by container cap. The canister should have smooth surface and all the weld joints should be smooth without causing any damage to container or persons handling.
- 2.7 The inner and outer corners of the container should be well radiused.
- 2.8 Lifting handle/handles should be provided for easy handling of the container.

3. **INSPECTION :**

- 3.1 Purchaser reserves the right to inspect the Liquid Nitrogen Containers during manufacturing stages and witness the performance test.

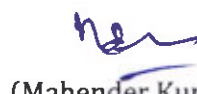
4. **GENERAL**

- 4.1 The container should be warranted for two years from the date of dispatch against defects in design workmanship or substandard material.
- 4.2 Each container should be provided with a test certificate and warrantee card.
- 4.3 Containers should be packed separately with proper packing material to avoid damage during transit.
- 4.4 Container to be certified to BIS standard IS:11552
- 5.0 Manufacturer to conduct in-house QA stages and Inspection Test reports for each batch to consist of the following:
 - Raw material (Aluminium) physical and chemical test report copy
 - . Incoming MLSI Check
 - . Dimensional check report
 - . Welding soundness – MSLD
 - . Warm vacuum – Sealing
 - . Painting


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SPECIFICATION FOR LIQUID NITROGEN CONTAINER - FROZEN SEMEN CONTAINER CAPACITY: 33 LITRES

Sr. No	Item Description																																		
1	FUUNCTIONAL REQUIRMENT																																		
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No. Of canister for goblets	6																																		
Max. Allowable static evaporation	0.118 Litres/day																																		
Minimum required static holding	282 days																																		
Field working duration @ 1.6 safety	176 days																																		
Material of construction:																																			
Container body	Alu. Alloy Grade IS 737-1974 (52000).																																		
CAP	Polycarbonate																																		
Insulation	Multi-layer Super Insulation (MLSI)																																		
Canister outside diameter	38 mm																																		
Container OD	450mm +/- 20 mm																																		
Container height	690 mm +/-25 mm																																		
2.1	It should be high vacuum multi-layer super insulated. The supplier should indicate the degree of vacuum (absolute pressure) in 'Torr' - warm sealing vacuum of 5x10 ⁻³ torr or better and the material of insulation- imported paper and Al foil is required.																																		
2.2	The cap of the container must be suitable for convenient use: outer Lid made of SS 304/Polycarbonate and inner neck plug with insulating material like fishery foam suitable to withstand a temperature range of -200 to + 50 deg C. The inner plug should be grooved to much with canisters. The cap should have provision for locking during transit.																																		
2.3	The container should be provided with a set of 6 canisters made of stainless steel AISI 304 tube/cup, with easy displacement facility for removal of frozen semen straws.																																		
2.4	The canister should be sturdy to withstand regular use. The joints with fibreglass tube and SS rod must be glued to withstand regular removal & insertion of canister canister should be suitable to withstand a temperature range of -200 to + 50 deg C. The canister should have minimum height of 120 mm and provided with a hole o 2mm approx dia at 20 mm approx from bottom of the canister. Each canister should accommodate one goblet of 35mm dia, in one level. Facility must be available for																																		

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	double level canister fitting also as an alternative.
2.5	The canister should fit into slots of the indexing ring of the container neck and to be held firmly in place by container cap. The canister should have smooth surface and all the weld joints should be smooth without causing any damage to container or persons handling.
2.6	The inner and outer corners of the container should be well radiused.
2.7	Lifting handle/handles should be provided for easy handling of the container.
3.0.	INSPECTION:
3.1	Purchaser reserves the right to inspect the Liquid Nitrogen Containers during manufacturing stages and witness the performance test.
4.0.	GENERAL
4.1.	The Container should be Warranted for two years from the date of dispatch against defects in design workmanship or substandard material.
4.2	Each container should be provided with a test certificate and warrantee card.
4.3	Containers should be packed separately with proper packing material to avoid damage during transit.
4.4	Container to be certified to BIS standard IS:11552
5.0	Manufacturer to conduct in-house QA stages and Inspection Test Reports for Each Batch to Consist of he Following:
	. Raw material (Aluminium)Physical and chemical test report copy
	. Incoming MLSI Check
	. Dimensional check report
	. Welding soundness – MSLD
	. Warm vacuum – sealing
	. Painting
	. Final assembly



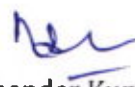
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SPECIFICATION FOR LIQUID NITROGEN CONTAINER FOR BULK STORAGE AND TRANSPORT OF FROZEN SEMEN-CAPACITY: 47 LITRES

Sr. No	Item Description																												
1	FUUNCTIONAL REQUIRMENT																												
1.1.	The container filled with Liquid nitrogen would be used to preserve frozen semen doses in canisters/goblets at NTP for filed use.																												
2.	DESIGN REQUIRMENTS																												
2.1	The design parameters for a Liquid Nitrogen containers shall be as under: <table border="1" style="margin-left: 20px; width: 100%;"> <tbody> <tr> <td>Net capacity</td> <td>47.4 Litres +/- 5%</td> </tr> <tr> <td>Neck diameters</td> <td>120mm +/- 2mm</td> </tr> <tr> <td>Straw holding capacity</td> <td>Double level 0.25ml – 18000 nos.</td> </tr> <tr> <td>No. Of canister/ goblets</td> <td>11</td> </tr> <tr> <td>Max. Allowable static</td> <td>0.38Litres/day</td> </tr> <tr> <td>Minimum required static holding</td> <td>124 days</td> </tr> <tr> <td>Field working duration</td> <td>78 days</td> </tr> <tr> <td>Material of construction:</td> <td></td> </tr> <tr> <td> Container body</td> <td>Alu. Alloy Grade IS 737-1974 (52000).</td> </tr> <tr> <td> CAP</td> <td>Polycarbonate / SS304</td> </tr> <tr> <td>Insulation</td> <td>Multi-layer Super Insulation (MLSI)</td> </tr> <tr> <td>Canister outside diameter</td> <td>72 mm / 280 mm</td> </tr> <tr> <td>Container OD</td> <td>470mm +/- 20 mm</td> </tr> <tr> <td>Container height</td> <td>700mm +/- 25 mm</td> </tr> </tbody> </table>	Net capacity	47.4 Litres +/- 5%	Neck diameters	120mm +/- 2mm	Straw holding capacity	Double level 0.25ml – 18000 nos.	No. Of canister/ goblets	11	Max. Allowable static	0.38Litres/day	Minimum required static holding	124 days	Field working duration	78 days	Material of construction:		Container body	Alu. Alloy Grade IS 737-1974 (52000).	CAP	Polycarbonate / SS304	Insulation	Multi-layer Super Insulation (MLSI)	Canister outside diameter	72 mm / 280 mm	Container OD	470mm +/- 20 mm	Container height	700mm +/- 25 mm
Net capacity	47.4 Litres +/- 5%																												
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2.2	It should be high vacuum multi-layer super insulated. The supplier should indicate the degree of vacuum (absolute pressure) in ‘Torr’ – warm sealing vacuum of 5x10 ⁻³ torr or better and the material of insulation- imported paper and Al foil is required.																												
2.3	The cap of the container must be suitable for convenient use: outer Lid made of SS 304/Polycarbonate and inner neck plug with insulating material like fishery foam suitable to withstand a temperature range of -200 to + 50 deg C. The inner plug should be grooved to much with canisters. The cap should have provision for locking during transit.																												
2.4	The container should be provided with a set of 11 canisters made of stainless steel AISI 304 tube/cup, with easy displacement facility for removal of frozen semen straws.																												
2.5	The canister should be sturdy to withstand regular use. The joints with fibreglass tube and SS rod must be glued to withstand regular removal & insertion of canister canister should be Suitable to withstand a temperature range of -200 to + 50 deg C. The canister should have minimum height of 280 mm (double level)and provided with a hole o 2mm approw dia at 20 mm approx from bottom of the canister. Each canister should accommodate one goblet of 65mm dia,in one level. Provision for second layer of goblet also must be available																												
2.6	The canister should fit into slots of the indexing ring of the container neck and to be held firmly in place by container cap. The canister should have smooth surface																												


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(G. Swami)
I/C Plant


(Mukesh Kumar)
I/C Q.C


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	and all the weld joints should be smooth without causing any damage to container or persons handling.							
2.7	The inner and outer corners of the container should be well radiused.							
2.8	Lifting handle/handles should be provided for easy handling of the container.							
2.9	The container shall be protected from external shocks by gluing suitable rubber padding of trapezoidal/ rectangular cross section (one bottom and 2 side rings)							
3.0.	INSPECTION:							
3.1	Purchaser reserves the right to inspect the Liquid Nitrogen Containers during manufacturing stages and witness the performance test.							
4.0.	GENERAL							
4.1.	The Container should be Warranted for two years from the date of dispatch against defects in design workmanship or substandard material.							
4.2	Each container should be provided with a test certificate and warrantee card.							
4.3	Containers should be packed separately with proper packing material to avoid damage during transit.							
4.4	Container to be certified to BIS standard IS:11552							
5.0	<table border="1"> <tr> <td>. Raw material (Aluminium)Physical and chemical test report copy</td> </tr> <tr> <td>. Incoming MLSI Check</td> </tr> <tr> <td>. Dimensional check report</td> </tr> <tr> <td>. Welding soundness – MSLD</td> </tr> <tr> <td>. Warm vacuum – sealing</td> </tr> <tr> <td>. Painting</td> </tr> <tr> <td>. Final assembly</td> </tr> </table>	. Raw material (Aluminium)Physical and chemical test report copy	. Incoming MLSI Check	. Dimensional check report	. Welding soundness – MSLD	. Warm vacuum – sealing	. Painting	. Final assembly
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SPECIFICATION FOR LIQUID NITROGEN CONTAINER FOR BULK STORAGE AND TRANSPORT OF FROZEN SEMEN-CAPACITY: 50 LITRES

Sr. No	Item Description																
1	FUUNCTIONAL REQUIRMENT																
1.1	The container would be required for transport and storage of liquid nitrogen at NTP conditions for transferring liquid nitrogen in other containers / Liquid Nitrogen containers.																
2.	DESIGN REQUIRMENTS																
2.1	The design parameters for a Liquid Nitrogen containers shall be as under:																
	<table border="1" style="width: 100%;"> <tbody> <tr> <td style="width: 50%;">Net capacity</td> <td>51Litres +/- 5%</td> </tr> <tr> <td>Neck diameters</td> <td>50mm +/- 1mm</td> </tr> <tr> <td>Max. Allowable static</td> <td>0.43Litres/day</td> </tr> <tr> <td>Minimum required static holding</td> <td>116 days</td> </tr> <tr> <td>Material of construction: Container body</td> <td>Alu. Alloy Grade IS 737-1974 (52000). Polycarbonate</td> </tr> <tr> <td>Insulation</td> <td>Multi-layer Super Insulation (MLSI)</td> </tr> <tr> <td>Container OD</td> <td>450mm +/- 20 mm</td> </tr> <tr> <td>Container height</td> <td>720mm +/- 25 mm</td> </tr> </tbody> </table>	Net capacity	51Litres +/- 5%	Neck diameters	50mm +/- 1mm	Max. Allowable static	0.43Litres/day	Minimum required static holding	116 days	Material of construction: Container body	Alu. Alloy Grade IS 737-1974 (52000). Polycarbonate	Insulation	Multi-layer Super Insulation (MLSI)	Container OD	450mm +/- 20 mm	Container height	720mm +/- 25 mm
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Insulation	Multi-layer Super Insulation (MLSI)																
Container OD	450mm +/- 20 mm																
Container height	720mm +/- 25 mm																
2.2	It should be high vacuum multi-layer super insulated. The supplier should indicate the degree of vacuum (absolute pressure) in 'Torr' - warm sealing vacuum of 5x10 ⁻³ torr or better and the material of insulation- imported paper and Al foil is required.																
2.3	The cap of the container must be suitable for convenient use: outer Lid made of SS 304/Polycarbonate and inner neck plug with insulating material like fishery foam suitable to withstand a temperature range of -200 to + 50 deg C. The cap should have provision for locking during transit.																
2.4	The inner and outer corners of the container should be well radiused.																
2.5	Lifting handle/handles should be provided for easy handling of the container.																
2.9	The container shall be protected from external shocks by gluing suitable rubber padding of trapezoidal/ rectangular cross section (one bottom and 2 side rings)																
3.0.	INSPECTION:																
3.1	Purchaser reserves the right to inspect the Liquid Nitrogen Containers during manufacturing stages and witness the performance test.																
4.0.	GENERAL																
4.1.	The Container should be Warranted for two years from the date of dispatch against defects in design workmanship or substandard material.																
4.2	Each container should be provided with a test certificate and warrantee card.																
4.3	Containers should be packed separately with proper packing material to avoid damage during transit.																
4.4	Container to be certified to BIS standard IS:11552																
4.5	The container shall be protected from external shocks by gluing suitable rubber padding of trapezoidal/rectangular cross section (one bottom and 2 side rings)																



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I/C Accts

5.0

Manufacturer to conduct in-house QA stages and Inspection Test Reports for Each Batch to Consist of the Following

- | |
|---|
| . Raw material (Aluminium) Physical and chemical test report copy |
| . Incoming MLSI Check |
| . Welding soundness - MSLD |
| . Warm vacuum - sealing |
| . Painting |
| . Final assembly |


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(Mukesh Kumar)
I/C Q.C


(Mahender Kumar)
I/C Accts

SRI GANGANAGAR ZILA DUGDH UTPADAK SAHAKARI SANGH LTD.,
INDUSTRIAL AREA, PHASE-I, HANUMANGARH Jn. 335512 (Raj.)
(AN FSMS ISO- 22000:2018 Certified Organisation)

GST 08AAAAS3423N1ZC

Tel. 01552-260522, 77260 07305

E MAIL- gngmu-rj@nic.in

purchasegangmul@gmail.com

TENDER FORM

Adress to : The Managing Director
Sri Ganganagar Zila Dugdh Utpadak Sahkari Sangh Ltd.,
Industrial Area, Hanumangarh Jn. 335512 (Raj.)

1. Tender for Supply of – **F.S Contariner Cap. 3 ltr., 23 ltr., 35 ltr. & 47 ltr. and LN₂ Container Cap. 50 ltr. as per specifications**
2. Cost of tender form Rs. 200.00+18% GST (Rs. 236.00)
3. Last date of obtaining of tender 14.06.2024 at 11.30 AM.
4. Tender can be submitted up to 1.00 P.M. on 14.06.2024 which will be opened at 2.00 P.M. on Dated 14.06.2024.

5. Name and address of party: _____

Email : _____

6. Phone No. _____ Mobile No. _____

7. GST No. (Copy Attached) : _____

8. EMD Rs. 16000/- Receipt/DD No. : _____

Form Fess Rs. 236/- Receipt/DD No. : _____


9. Name of the person/
Authorized to negotiate
and sign the contract : _____

10. PAN No. (Copy Attached) : _____

11. The validity of offered rate will be for 30 days till finalization of tender from the date of bid submission (withdrawal of offer within which by me/us shall be liable for forfeiture of the EMD deposited) After finalization of tender the rate approved by sangh will valid for contract period for successful bidder.

12. We agree to abide by all the conditions mentioned in the tender notice issued by the Managing Director, Sri Ganganagar Zila Dugdh Utpadak Sahkari Sangh Limited, Hanumangarh and also the other conditions of the tender documents in the attached sheets (all the pages of which have been signed by us in token of our acceptance)

Signed and sealed by Tenderer in
token of acceptance of above


(S. K Sidana) (G. C Swami) (Mukesh Kumar) (Mahender Kumar)
I/C Pur I/C Plant I/C Q.C I/C Accts

SRI GANGANAGAR ZILA DUGDH UTPADAK SAHAKARI SANGH LTD.,
INDUSTRIAL PHASE-I, HANUMANGARH JN. 335512 (Raj.)
(AN FSMS ISO- 22000:2018 Certified Organisation)

PRICE BID

Date of opening :- 14.06.2024 at 2.00 P.M.

Tender for Supply of F.S Contariner Cap. 3 ltr., 23 ltr., 35 ltr. & 47 ltr. and LN₂ Container Cap. 50 ltr. as per specifications

ADDRESSED TO: THE MANAGING DIRECTOR, GANGMUL, HANUMANGARH.

Name and full address of the firm submitting the tender:-

M/S.....

.....





.....

Telephone Nos. Mobile

Our tendered rates are as follows: -

ITEM NAME-		Rate per unit
1	Supply of Frozen Semen Containers Cap. 3 ltr. (Qty. 10 Nos.)	
2	Supply of Frozen Semen Containers Cap. 23 ltr. (Qty. 2 Nos.)	
3	Supply of Frozen Semen Containers Cap. 35 ltr. (Qty. 6 Nos.)	
4	Supply of Frozen Semen Containers Cap. 47 ltr. (Qty. 6 Nos.)	
5	Supply of Liquid Nitrogen Containers Cap. 50 ltr. (Qty. 5 Nos.)	
BASIC PRICE	
GST	
TOTAL		
(FOR Hanumangarh Dairy inclusive of all taxes & duties)		
Rs. (In Words).....		

**SIGNATURE OF THE TENDERER
WITH OFFICE SEAL & DATE**





 (S. K Sidana) (G. C Swami) (Mukesh Kumar) (Mahender Kumar)
 I/C Pur I/C Plant I/C Q.C I/C Accts