

	<p>BHOPAL SAHAKARI DUGDH SANGH MARYADIT HABIBGANJ, BHOPAL 462024 AN ISO 9001 : 2000 Certified Organization E-mail: bsds@sancharnet.in, Phone 0755-2478250-53 Fax : 0755-2450896</p>
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Ref No: 41

Dated: 11-12-2019

SHORT TERM TENDER (E-TENDER) -2nd call

Online Tenders are invited for supply of DCS ARTICLES (Milk Testing Equipments) for the year 2019-20 at Bhopal Sahakari Dugdh Sangh from reputed manufacturer/distributor/dealer/suppliers. The tender documents containing the terms and conditions can be purchased online & downloaded through following website <http://www.mptenders.gov.in> from 12.12.2019 13.00 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.nic.in

Name of item	EMD (Rs)	Tender Fee (Rs)	Bid submission due date & time	Technical Bid opening Date & time
DCS ARTICLES (Milk Testing equipments)	As per Schedule-IIB	500/-	26.12.2019 3.00 pm	27.12.2019 3.00 pm

CHIEF EXECUTIVE OFFICER

BHOPAL SAHAKARI DUGDH SANGH MARYADIT

HABIBGANJ, BHOPAL 462024

AN ISO 9001: 2000 Certified Organization

E-mail: bsds@sancharnet.in,

Phone 0755-2478250-53 Fax: 0755-2450896

TENDER DOCUMENT

Schedule I	:	General Terms & Conditions.
Schedule II	:	Specification & Qty & EMD
Schedule III	:	Form A & B
(To be downloaded filled manually & scanned copy uploaded online.)		
Schedule IV	:	Price Schedule
Tender Cost	:	Rs.500/-(Five hundred 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

SCHEDULE - I
General Terms & Conditions for tender submission & supply

Bhopal Sahakari Dugdha Sangh Mydt, Bhopal (BSDSM), an ISO certified cooperative organization, invites sealed tenders from bonafide manufacturers//distributor/dealer/suppliers for supply of DCS ARTICLES strictly in adherence to the detailed specifications given in the schedule II of the tender documents.

Bhopal Sahakari Dugdha Sangh Mydt., 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 DECLARATION :

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

2.0 TENDER SUBMISSION:

- 2.1 Tenders received by e-mail will not be considered. However, amendments by e-mail to a tender sent will be considered, provided the same are received before the opening of the tender and confirmed by post.
- 2.2 The tenderer(s) should clearly state in their offer the address, telephone, fax, e-mail, PAN and GST Numbers. Any change in the address should immediately be communicated to the Chief Executive Officer, Bhopal Sahakari Dugdha Sangh Mydt, Bhopal and correspondence thereafter will be made at the changed address.
- 2.3 Negligence on the part of tenderer in filling the tender form offers him/her no right to withdraw the tender after it has been opened.
- 2.4 The acceptance of the tender and award of the purchase order will be the sole right of the Chief Executive Officer, Bhopal Sah. Dugdha Sangh Mydt. who does not bind himself to accept a tender in whole or in part or reject any or all the tenders received without assigning any reasons and no explanation can be demanded of the cause of rejection of the tender by any tenderer.
- 2.5 The Chief Executive Officer, BSDSM reserves the right to place order for whole requirement with any tenderer or split the orders among one or more tenderers or not to purchase at all any item even after rate approval.
- 2.6 Each tender should be accompanied with copy of PAN, GST Regn.etc.
- 2.7 The tenderers should submit the rates online only. The conditional tenders are liable to be rejected.
- 2.8 No person or firm is permitted to submit more than one tender under different names.
- 2.9 The tenderer shall not sublet the contract or assign to any other party or parties, the whole or any portion of the contract without prior written permission of Chief Executive Officer, BSDSM.

2.10 Manufacturers will be given preference. Wholesalers dealing with the item will have to attach copy of authorization certificate of the manufacturer.

2.11 Tenderer shall fill all the details of the unit in the enclosed form- A,B in schedule-III.

Bid Validity

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

Documents composing the Bid

Technical bid: (To be uploaded online –mandatory)

1. Form-A & B filled (with copy of PAN, GST Regn.)
2. Online EMD transaction acknowledgement

Commercial Bid

- Commercial Bid form Online.

Bid price

Price indicated on the price schedule shall be inclusive of pkg & frdg & freight.
GST (shall be extra)

3.0 Earnest Money Deposit (As per schedule-II B)

EMD should be submitted online only and attach copy of proof for payment of EMD in technical bid.

3.2 Any tender which is not accompanied by Earnest Money deposit are liable to be rejected. Earnest money deposit of unsuccessful tenderers will be returned within 90 days from the date of opening of the tender. The earnest money deposit of the successful tenderers will be released on completion of supply/work as the case may be within the stipulated period.

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

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

4.0 PRICES:

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

4.2 The tenderer should quote rate on FOR dairy plant Bhopal basis(GST shall be extra)

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

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

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

5.0 MODE OF DESPATCH

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

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

6.0 LIQUIDATED DAMAGES:

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

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

6.2 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 also would be forfeited by the management.

7.0 INSURANCE:

Insurance is to be arranged by the tenderer.

8.0 INSPECTION:

8.1 All the supplies are subject to inspection at our plant before acceptance. If goods are rejected due to defective or wrong supply, the report of our authorized official in this respect shall be FINAL and no correspondence on the subject would be entertained. The rejected goods should be removed from our premises by the tenderer within 15 days after receipt of our inspection report failing which the same shall be returned to the supplier at his risk and expenses or disposed off in Auction and the proceeds, if any, less expenses would be credited to tenderer's account.

8.2 Sample of the articles should be sent/produced before the competent authority if asked for within 7 days or as mutually agreed.

9.0 PAYMENT

9.1 Our normal terms of payment is full payment after receipt, inspection and acceptance of materials in our stores within a period of about 30 days after receipt. Such payments shall be made through RTGS. Tenderer agreeing to these terms would be given preference over those specifying other terms.

10. TERMINATION OF CONTRACT:

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

11.0 CONSEQUENCES OF BREACH OF AGREEMENT:

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

12. DISPUTE ARBITRATION & FINAL AUTHORITY:

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

*Chief Executive Officer
Bhopal Sahakari Dugdha Sangh Mydt. Bhopal*

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BHOPAL SAHAKARI DUGDH SANGH MARYADIT BHOPAL

SCHEDULE – II-A

DCS Articles (MILK TESTING EQUIPMENTS)

1. CENTRIFUGAL MACHINE FOR FAT TESTING

A- CENTRIFUGAL MACHINE COMPLETE for 24 tests (ISI mark)

ISI marked IS : 1223

Each centrifugal machine should be marked with the ISI certification mark ISI : 1223:2001

B- ELECTRIC CENTRIFUGAL MACHINE for 24 tests isi:1223(ISI mark)

2. CENTRIFUGAL MACHINE SPARES (For IS:1223:2001)

- a) Top
- b) Handle
- c) Gear wheel
- d) Warm Spindle
- e) Ball bearing

03. MILK SAMPLER FOR D.C.S.

- i) Material : Good quality alluminium/steel
- ii) Length of rod : 40 Cms.
- iii) Diameter of rod : 4.5 mm
- iv) Total length of sampler : 45 CMS.
- v) Wt. Of sampler : 35 Gms. (Minimum)/ 70g (min)

(Having one spout)

- vi) Capacity of sampler : 50 ML.

04. ALUMINIUM MILK PLUNGERS

- i) Material : Good quality alluminium
- ii) Diameter of the disc : 150 mm.
Disc (perforated)
With 6 holes).
- iii) Wt. Of the disc. : Min. 45 Gms.
- iv) Length of the rod : 30 ± 2 inches

(Including loop type

Handle (from the top)

- v) Diameter of rod : Min. 10 mm
- vi) Average wt. Of the rod : Min 175 Gms Without disc.

05. (A) BUTYROMETER SHAKING STAND (PLASTIC)

- i) Material : Virgin Quality HDPE
- i) Row : 8 x 3 with Cover

– For 24 Butyrometer 24 holes in upper & middle plate, hole dia 2.5 cm

- iii) Weight : $550 \pm 10\%$
- iii) Length : 285 mm
- iv) Width : 110 mm
- v) Total Height with cover : 160 mm

06. PLASTIC SAMPLE BOTTLES:

- i) Materials : Made from virgin HDPE white Granules.
- ii) Capacity : 100 ± 10 ml
- iii) Outer diameter of mouth : 2.7 ± 0.1 Cm.
- iv) Diameter of the body : 38 ± 1 mm
- v) Avg. Wt. Of. Empty : $10.5 \text{ gm} \pm 0.5 \text{ g.}$
bottle (without cap)
- vi) Length of bottle : 11.8 ± 0.2 Cm.
- vii) Packing :a) the bottle shall be supplied in gunny bags having 500 bottles.

b) The bottle must bear the name of the manufacturer in short at the bottom.

Note: If wt. of bottle will be less than 10 gms. consignment will be rejected.

07. MILK COLLECTION TRAY FOR D.C.S.

- i) Material : The milk collection trays shall be made of galvanized Iron sheet of 0.70 ± 0.05 mm.Thickness through out .
- ii) Spout diameter and: Length 12 cms. Diameter 3 cms.Length.
- iii) Dimensions :Length 60 ± 0.5 cm, width 45 ± 0.5 Cm.

Height 7.0 ± 0.5 cms (including 0.5 Cms support in bottom)

Weight minimum - 2 kg.

- iv) Other:
 - a) The tray should be soldered at corners so that it shall be free from leakage from all the corners
 - b) Trays should be provided with two handles.
 - c) Two supporting rings at the bottom having 3 cms. diameter.
- v) Height of supporting rings 5 ± 1 mm.

08. MILK STAINER (WITHOUT GAUGE):

- i) Material : The strainer shall be made of best quality aluminum Sheet having 0.8-mm. thickness throughout.
- ii) Top outer diameter : 32.5 ± 0.5 Cms.
- iii) Total Height : 16.5 ± 0.5 Cms.
- iv) Weight : 300 to 310 GM.
- v) Bottom diameter : Suitable for milk sieve as per item no 10.
- vi) Other : A loop shall be provided for hanging.

9. MILK SIEVE:

- i) Milk sieve made from brass wire mesh of 500 mesh.
- ii) Brass wire mesh mounted on Aluminum Frame of outer diameter of 12.5 Cms. having two cross bars at right angle.
- iii) Total weight - Min -- 20 ± 3 grams. Sieve lock: Iron wire

10. SAMPLE BOTTLE BRUSH :

- i) Diameter of brush for hair : 5 (± 0.5 Cm.)
- ii) Length of Hair brush 8.5 (± 0.5 Cm.)
- iii) Total length of brush 20 (± 2 Cm.)
brush including loop type handle.
- v) Weight of Brush : 5 Grams.
- v) Other : Sample must be provided at the time of the tenders. Brushes must be sturdy.

11. BUTYROMETER BRUSH :

- i) Total length of brush : 25 (± 1 Cm.)
(including loop type) : Hair of brush up to 15 mm (2 Cm. Dia) from 115 to 195 mm (3 Cm. Dia).
- ii) Weight of Brush : 2 Grams.
- iii) Other : Sample must be provided at the time of opening of the tender

12. PIPETTE BRUSH (10.75 ml.)

- i) Length of Brush : 40 ± 1.0 Cm.
- ii) Hairing length : 10 Cm (up to first two cm. tapered type hairing)
- iii) Dia. Of brush : 2 cm.
- iv) Weight of Brush : 3 Grams.
- v) Others : Sample must be provided at the time of opening of the tender

13. SAMPLE BOTTLE STAND :

- i) Material for construction : Stands shall be made of alluminium Sheet
- ii) Thickness in mm. : Min. 0.6 ± 0.05 mm throughout
- iii) No. Of holes : 24 in 3 rows of 8 of 44mm diameter.
- iv) Dimensions : Length width Height
(440x170x48) 440 ±5 mm 170±1mm 48 ± 1 mm.
- v) Riveting shall be done with alluminium rivets.
- vi) Two carrying handles made of alluminium . Wires of 4 mm thickness shall be provided or grooved handles will also be considered.

14. PIPETTE STAND :

- i) Material for construction : Made of plastic HDPE in white colour (Pigmented)
- ii) Type : Horizontal folding type
- iii) Capacity : For 12 pipettes.
- iv) Weight Minimum : 100 ±10 gm

15. DROPPING BOTTLE :

- i) Materials : made of HDPE in white colour (Pigmented)
- ii) Wt. of bottle : 30 to 35 grams.
- iii) Capacity : 250 ML. (Min)

- iv) Delivery tube : a) Length 26 to 27 Cm,
b) Outer dia. 0.5 Cm.

The delivery tube shall be provided with nozzle.

16. PLASTIC FUNNEL :

- i) Material : Made of HDPE in white colour (Pigmented). Free from all visible defects
ii) Total height : 16.5 Cm.
iii) Outer diameter : 15 Cm.
iv) Holding tab : a) within 2.7 Cm. With hole in centre.
b) Length of the tab 3 Cm.

17. MILK BUTYROMETER:

The items should be ISI marked individually and copy of the B.I.S. Licence should be enclosed with tender form.

18. MILK PIPETTE 10.75 ml (ISI MARKED)

The items should be ISI marked individually and copy of the B.I.S. Licence should be enclosed with tender form.

19. PLASTIC TILT MEASURES 10 ML. (ACID)

- i) Material : Made of good quality glass/plastic, which should be annealed & free from cracks and other visible defects.
ii) Capacity : 10 + 0.50 ML.
iii) JET : Should be tapered
iv) Rubber cork : Size of cork should be suitable to fit in the bottle of 2 Cm. Inner diameter of mouth.

20. PLASTIC TILT MEASURE 1 ML.(ALCOHOL)

- i) Material : Made of good quality glass/plastic, which should be annealed and free from all visible defects cracks etc.
ii) Capacity : 1.0 + 0.05 ml.
iii) JET : should be tapered.
iv) Rubber cork size : Cork should be suitable to fit in a bottle of 2 Cm. Inner diameter of mouth.

21. LOCK STOPPER KEY :

- i) The lock stopper key shall be as per ISI : 1223 (part - I)
- ii) The lock stopper key made from best quality of alluminium

22. LOCK STOPPERS:

- A) The lock stoppers shall bear the B.I.S. certification, must enclose the copy of B.I.S. Licence along with the Tender Form.
- B) I.S.I. Marked.

23. JERRY CANS FOR SULPHURIC ACID:(20 Liters)

- i) Construction: Heavy-duty jerry cans in white colour made up of virgin high-density polyethylene, stackable type with lid. Cap and sealing arrangement. Suitable for filling/storing/ transporting acid.
 - ii) Weight: 1200 ± 50 g
 - iii) Capacity: 20 Liters.
 - iv) Mouth Dimension : Suitable for filling/ empty sulphuric acid in Jerry cans.
 - v) Drop Test: When loaded jerry cans dropped three times (from the height of 1.5 meters) the jerry can should not show any sign of breakage/leakage.
 - vi) Others a) Jerry can shall be of even thickness, through out and free from pinholes.
- b) Jerry can shall bear the name of manufacturer (in short) year and month of manufacture and batch no. Near the neck.

24. PLASTIC JERRY CANS FOR SULPHURIC ACID: (10 Liters) HDPE

- i) Construction : Heavy-duty jerry cans in white colour made up of virgin high-density polyethylene, stackable type with lid. Cap Suitable for filling/storing/ transporting Sulphuric acid from jerry can.
- ii) Weight : 800 ± 5%
- iii) Capacity : 10 Liters.
- iv) Mouth Dimension : Suitable for filling/ empty sulphuric acid from Jerry cans.
- v) Drop Test : When loaded jerry cans dropped three times (from the height of 1.5 meters) the jerry can should not show any sign of breakage/leakage.

25. JERRY CAN FOR AMYL - ALCOHOL: (2.5 LIT)

- i) Construction : Heavy duty jerry can, in white colour made up of virgin high density polyethylene, stackable type with lid, cap suitable for filling/storing/transporting amyl alcohol
- ii) Weight : 250 Grams \pm 12 g
- iii) Capacity : 2.5 Lit.
- iv) Drop test : When loaded jerry can dropped three. Times from the height of 1.5 meters. The jerry can should not show any sign of breakage/leakage.
- v) Others : a) Jerry can shall be of even thickness throughout and free from pin holes.
b) Jerry cans shall bear the name of the manufacturer, year and month of manufacture and batch near the neck.

26. ALCOHOL THERMOMETER

- : Scale range --- (-)10.0 °C to 110.0 °C
Graduation interval ----- 1° C
Scale Accuracy ----- \pm 1° C

27. ALUMINUM MEASURING SET FOR MILK

- Capacity** : **1000ML, 500ML, 200ML, 100 ML**
- Specification : As per Department of Weight and Measurement.
- Other terms : Duly inspected and stamped by the Department of weights and measurement.

28. LACTOMETER JAR:

- Material : Aluminum
- Pipe Dia : 30.00 mm
- Pipe length(ID) : 130 mm
- Wall thickness of pipe(Internal) : 0.70 mm
- Bottom support Dia : 77 ± 2 mm
- Weight of jar : 45 ± 5 gm.

FOR FIELD OPERATION SECTION

29. Artificial insemination Gun:

French method (Universal/French mini)

1. Universal artificial insemination Gun French method to be used with 0.25 ml straws and 0.5 ml straws- Best quality.

2. Artificial insemination AI Gun French mini to be used with 0.25 ml straws – Best quality
(Samples should be submitted with offer)

30. A.I Sheath / straw

1. French method universal AI sheaths 0.25 ml
2. French method universal AI sheaths used 0.5 ml

31. Mini Ear Tag:

Suitable for	:	cattle
Type	:	Button type, joint less,
Material	:	Brass
Dia	:	16 mm

- 32. Applicators :** Suitable for fixing mini ear tags at sl. No. 32.

- 33. Milk Cans 40 Ltr. Capacity with lid** (As per NDDDB specification)

STAINLESS STEEL MILK CANS (AISI 304 Grade)

Capacity: 40 Litres SPECIFICATION NO.14. 32. 01. 01.R05-2009

1. Functional Requirements:

Cans shall be used for collection and delivery of milk from milk producers to dairy co-operative societies (DCS), transportation of milk from milk collection centres to Dairy Plants and for handling milk in the Dairy plants.

2. **Design Requirements:**

Dimensions:

Normal Capacity :40 Litres + 2%

Total height, mm (without lid) :591 +/- 4

External dia at base, mm :346 +/- 3

Internal dia of body, mm :340 +/- 3

Internal dia at neck, mm :200 +/- 0.5

Minimum hardness (Brinell hardness) :200 BH for body, 150 BH for bottom Minimum weight, Kg (can plus lid) :8.2 [Can 7.2 Kg minimum + Lid1Kg (approx) Maximum weight, Kg (can plus lid) :8.5 Kg

The can and lid shall be fabricated as per NDDDB drawing No DCS-ACC 06/R5

BIS Code: Presently, there is no code available for SS milk Cans. BIS is in the process of formulating new code for SS Cans.

Material of construction: The can body, lid, handle and bottom ring shall be made from Stainless steel sheet/flat/rod conforming to AISI 304 grade and manufactured by SAIL or Jindal. The can body shall be fabricated from a sheet blank having minimum thickness of 1.2 mm. After fabrication, minimum thickness at the neck, body and bottom should be minimum 0.95, 1.00 and 1.10 mm respectively. Bottom ring flat shall have minimum thickness of 2.0 mm and the handle with 12 mm diameter rod. The lid shall be fabricated from two stainless steel (AISI 304) sheets, the cup is of 0.8 mm thickness and saucer is of 1.0 mm thickness. Thickness of top of the lid comes to minimum 1.8 mm (1 + 0.8).

Fabrication:

Body: Complete body shall be fabricated in two pieces. The bottom and top halves shall be deep drawn and spinned. The top and bottom pieces shall be welded circumferentially. All welding shall be done with argon arc process (TIG) and ground smooth. Top edge of the neck shall be folded.

Handle: Shall be made of SS, AISI 304, designed to give good grip of the can welded on the taper neck with 2 nos pad plates for each handle, adequately thick, to avoid any protrusions inside the Can.

Bottom ring: The bottom ring shall be secured to the body of the Can firmly so that even after repeated and years of usage it should not come out or get loosened. These shall be made from SS, AISI 304, and 2 mm thick sheet formed and rolled. The bottom ring shall be shrink-fitted with proper locking arrangement on the body. The bottom ring shall permit draining of water and detergent from bottom of the reversed can and there shall not be any cavity on the ring, which could lead to unhygienic conditions.

Lid: The lid shall be of SS, AISI 304. The conical skirt shall be provided with 3 nos. air equalising holes of 12 mm dia each. The lid shall have mushroom shape to drain off any water outside. The lid shall be provided with two nos. punched holes of 8 mm dia on the mushroom canopy near periphery of lid for locking/ sealing the Can. The cup and saucer portions of the lid shall be welded to each other circumferentially, preferably by fusion welding process. In case fusion welding is not done, it shall be done by employing TIG process. There shall not be any deformation or unevenness and it should be ground smooth. The shape of the lid shall be as per NDDDB drawing no. DCS-ACC 06/ R5.

Welding: For fabrication of the Can only argon arc welding process shall be used. Being a thin sheet material parent material fusion welding technique may be applied and if required, AWS ER 308 L filler wire may be used for welding of ring, handle etc. All welding shall be done by argon purging (TIG).

Finish: All weld joints shall be free from porosity, blowholes, pinholes, undercut, lumps, cavities etc. and shall be sound in nature. All welded joints shall be finished smooth to minimum 150 grit to provide a sanitary finish to all the inner and outer surface of the weld joint. The Can surface including at the taper neck portion should be wrinkle free. There should not be any sharp corner. All such points shall have minimum 25 mm radius.

Heat Treatment and Passivation: The Can and Can lid shall be heat treated to relieve the stress developed during deep drawing and spinning. Thereafter complete surface shall be passivated with standard passivation solution to enhance corrosion resistance of the base material and welded surfaces.

The composition of the passivating bath shall be as follows:

0.50% concentrated Nitric acid (HNO₃)

0.50% sodium or potassium dichromate

99.0% water with not more than 5 ppm chloride

The Cans shall be filled with the solution and lid shall be immersed in a tank containing this solution. The solution shall be held in the Cans and lid at the temperature indicated for the following period:

25oC – 24 hours; or

35oC – 15 hours; or

50oC – 8 hours; or

65oC – 4 hours; or

80oC – 2.5 hours; or

Boiling temperature – 1 hour.

The can and lid shall be guaranteed against any defect in material and fabrication for a period of at least one year. In case of any defect, the supplier shall repair/replace the can and lid.

Marking: Each Can shall be marked legibly and permanently with at least following particulars:
Manufacturer's name or initial or trademark on can and lid.

The rated capacity of the Can in Litres.

Month (2 digits), year of manufacture (4 digits), followed by manufacturer's serial no. on both can body and lid (Example: 0420095000 means April, 2009 and serial no. 5000)

Buyer's logo or identification mark on can.

Material of Construction: AISI 304 SS

Capacity mark on inside surface of the can

Test: The following tests shall be carried out on the Cans by the supplier:

Conformity of the material of construction to AISI 304 grade. The stainless steel sheets and rods used shall be of SAIL or Jindal make.

Dye Penetration test of all weld joints.

Surface finish check for 150 grit

Pressure test for leakage/bulging.

Drop test at rated capacity (Reference IS 1825-1983 clause 7.2 for Aluminium Cans for guidance and reference)

Hardness test.

Can weight with lid and capacity in litres.

Dimensions & thickness

The Supplier shall furnish a Test certificate confirming all the results of the tests conducted.

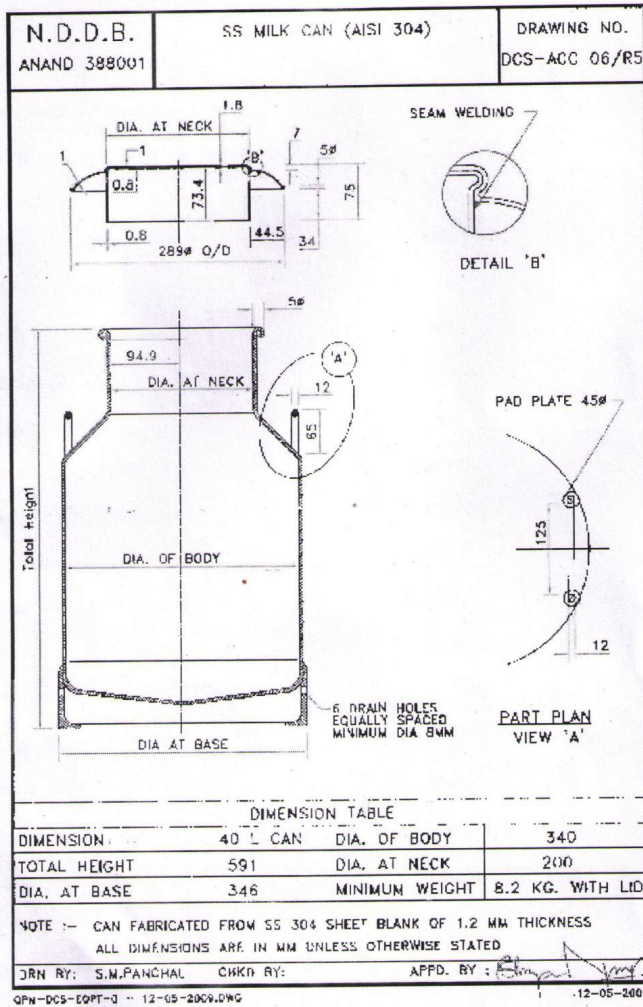
Inspection:

Purchaser shall carry out all the above-mentioned tests during inspection of the Cans and lids by the purchaser. In addition to that overall workmanship shall be visually checked.

Purchaser has the right to inspect the equipment at any stage from raw material to finished product.



My Document/ Shyamal/ SS Can specs rev May 09 (Updated in May, 2009)



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1/2 ee

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P/SB/D 19.

SCHEDULE - II -B

Further details about quantity required & EMD

<u>S.No.</u>	<u>Description</u>	<u>Approx. Requirement (Nos.)</u>
1	Centrifugal Machines complete	300
2.	Centrifugal Machine spares	
	(a) Top	300
	(b) Handle	300
	(c) Gear wheel	300
	(d) Warm spindle	300
	(e) ball bearing	100
3.	Milk Sampler (Alu.)	2,000
4.	Milk plungers (Alu.)	600
5.	Butyrometer shaking stand (wooden)/plastic	4000
6.	Plastic sample Bottles	42,000
7.	Milk collection trays (Alu.)	500
8.	Milk strainer (Alu.)	500
9.	Milk Sieve	10,000
10.	Sample bottle brush	30,000
11.	Butyrometer brush	50,000
12.	Pipette brush	25,000
13	Sample bottle stand (Alu.)	1200 Nos.
14.	Pipette stand (pl.)	1200 Nos.
15.	Dropping bottles	200
16.	Plastic Funnel	50 No.
17.	Butyrometers	1 lakh
18.	Milk pipettes ISI marked	15,000
19.	Acid tilt measure (pl.)	5,000
20.	Alcohol tilt measure (pl.)	5,000

21.	Lock stopper key (Alu.)	2,000
22.	Lock stoppers (ISI marked)	20,000 doz.
23.	Plastic Jerry Cans 20 lit(for acid)	1,000
24.	Plastic Jerry Cans 10 lit(for acid)	1,000
25.	Plastic jars 2.5 lit.(for Amyl Alcohol)	800
26.	Alcohol Thermometer	2,000 Nos.
27.	Measurement sets(duly stamped) (Alu.)	600
28.	Lactometer jars (Alu.)	1,000
29	Artificial Insemination Gun :	1,000 Nos
30	Artificial Insemination sheath	1,50,000 Nos.
31	Ear Tag	40,000 Nos.
32	Applicators	250 Nos.
33.	SS Milk Can with lid (40 ltr cap)	500 Nos

E.M.D. TO BE DEPOSITED

- For Sl.no.1 to 28 EMD of Rs.20,000/-
- Sl.no.29 to 32 EMD of Rs.5,000/- & for sl.no.33(SS milk can) EMD of Rs. 40,000/- is required.

Note :- Whole Consignment will be rejected if not found as per Tender specifications.

**BHOPAL SAHAKARI DUGDHA SANGH MARYADIT, HABIBGANJ,
BHOPAL 462024**



SCHEDULE – III

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

To,
Chief Executive Officer
BSDSM, Bhopal

Dear Sir,
Please find enclosed herewith scan copy of Online EMD transaction acknowledgement vide
no.....dtd.....Rs.....towards EMD deposit.

Seal & Signature of the of the tenderer

BHOPAL SAHAKARI DUGDHA SANGH MARYADIT, HABIBGANJ, BHOPAL 462024



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): _____
FAX No. : _____
Email ID : _____
4. Name of the CEO/Proprietor/
Partner : _____
5. Name and designation of other : _____
Authorized signatory of the Co./Unit
6. Particulars of Regn. Certificate : _____
Issued by the competent authority
(Regn No. & Date)
7. We are manufacturer/distributor/dealer/supplier ofCo.(with proof)
8. GST NO. _____ 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. 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.

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

**BHOPAL SAHAKARI DUGDHA SANGH MARYADIT HABIBGANJ,
BHOPAL 462024**



SCHEDULE – IV

**Form – C
(To be submitted Financial Bid Online only)**

NIT Ref. No.	
NAME OF TENDERER:	

S. No.	DESCRIPTION	Rate/unit GST Extra.	F.O.R	Dairy

Note: Purely indicative for e-tender as the rates are required to be filled on these lines in the prescribed BOQ in Excel format.