

	<p><b>GWALIOR SAHAKARI DUGDH SANGH MARYADIT</b>  <b>GOLA KA MANDIR, GWALIOR 474005</b>  AN ISO 9001 : 2000 Certified Organization  E mail :gwalior dairy@gmail.com  Phone 0751-2462003 Fax : 0751-2366981</p>
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**Ref No:**

**Dated: 24/05/2018**

**NOTICE INVITING E-TENDER**

Gwalior Sahakari Dugdh Sangh Mydt, GWALIOR invites Online Tenders for **below mentioned Apparatus and machines for Curd manufacturing and cup filling** from manufacturers /authorized supplier of reputed make. The tender documents containing the terms and conditions can be purchased online & downloaded through following website <http://www.mpeproc.gov.in> from **25.05.2018 11.00 AM** 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](http://www.mpcdf.gov.in)

Sr.	Brief Description of the apparatus/Machine	EMD. VALUE (Rs.)	TENDER FEE (inRs)
1.	Supply & installation of Curd manufacturing unit	<b>2,00,000/-</b>	<b>2000/- (Non –Refundable) DD in favour of “Gwalior Sahakari Dugdh Sangh Maryadit” payable at Gwalior</b>

Purchase of Tender End Date and Time	Due date & time of bid submission	Tender opening (Envelope-A,B)	Financial Bid Opening
<b>14.06.2018 05:30 pm</b>	<b>15.06.2018 2:00 P.M</b>	<b>15.06.2018 after 02.30 P.M.</b>	<b>15.06.2018 after 03.30 P.M</b>

**Chief Executive Officer**

**GWALIOR SAHAKARI DUGDHA SANGH MARYADIT**  
**GOLA KA MANDIR: GWALIOR- 462024**

Phone 0751-2462003 Fax : 0751-2366981

E-mail- [gwaljordairy@gmail.com](mailto:gwaljordairy@gmail.com)

**Cost: Rs.1000/-**

**DOCUMENTS**

E-Tender For Supplying Supply of Apparatus and machines for Curd manufacturing and cup filling

Schedule I	:	General Terms & Conditions
Schedule II	:	Technical Specification
Schedule III	:	Technical Bid-Form A & Form B
Schedule IV	:	Financial Bid

Purchase of Tender End Date and Time	Due date & time of bid submission	Tender opening (Envelope-A,B)	Financial Bid Opening
14.06.2018 05:30 P.M	15.06.2018 2:00 P.M.	15.06.2018 after 02.30 P.M.	15.06.2018 after 03.30 P.M.

**Place of online opening of Tender : Gwalior Sahakari Dugdh Sangh Maryadit,  
Gola Ka Mandir, Gwalior (M.P)**

**CHIEF EXECUTIVE OFFICER**

## **SCHEDULE-I (GENERAL TERMS AND CONDITIONS)**

Gwalior Sahakari Dugdh Sangh Maryadit GWALIOR invites online tenders from manufacturers /authorized supplier of reputed Make, which shall be strictly in adherence to the detailed specification given in the Schedule II of the tender.

### **Tender submission**

Purchase of Tender End Date and Time	Due date & time of bid submission	Tender opening (Envelope-A,B)	Financial Bid Opening
14.06.2018 05:30 P.M.	15.06.2018 2:00 P.M.	15.06.2018 after 02.30 P.M.	15.06.2018 after 03.30 P.M.

Gwalior Sahakari Dugdh Sangh Mydt., Gwalior reserves the right to accept a tender in whole or in part or reject any or all the tenders, which in their opinion justify such actions, without further explanation to the bidders.

### **1.0 DECLARATION:-**

The submission of a tender by a firm implies that the firm has submitted the offer in full agreement with the terms and conditions of the tender/contract after having read the notice and the terms & conditions of the tender and has made itself aware of scope and specifications of the supplies to be made and the destination where the supplies have to be made and satisfied itself regarding the quality and specifications of the articles.

### **2.0 TENDER PURCHASE & SUBMISSION:**

- 2.1 Tender documents can be purchased online from portal <http://mpeproc.gov.in>. as per the schedule given.
- 2.2 Original instrument of Demand Draft for EMD should reach office CEO,GSDS on or before **opening of online tender** , non compliance of the EMD deposition would unable bidder to qualify for tender opening.
- 2.3 Only those tender offers shall be accepted for evaluation for proper EMD shall be received.
- 2.4 The Tender should contain two envelopes as below:

Envelope – A : EMD Instrument  
Envelope – B : Technical Bid  
Envelope – C :Financial Bid

Envelopes A & B , in turn shall contain the scanned copy of the required documents as below (stipulated elsewhere) and shall be submitted online with digital signature. And also submit Envelope-A (Containing original instrument of EMD) & B physically before opening the online bid.

**Envelope A** – EMD Instrument

**Envelope – B** : Technical Bid

- i. Duly filled in Form A as per schedule III.
- ii. Copy of Registration certificate of the firm.
- iii. Copy of License of ISI / copy of valid ISO certificate/Test certificate from any authority of Govt. of India.
- iv. Copy of PAN Card of the firm.
- v. Copy of TIN certificate.
- vi. Detailed specifications and drawings of the Incubeter cum blast chiller.
- vii. List of Plant & Machinery available with the firm.
- viii. Authorized dealers will have to attach a copy of valid authorization / dealership certificate along with necessary documents from the Principals

**Envelope C** – Financial Bid

**Duly filled in rate FORM- B under schedule III to be submitted online only.**

- 2.5 Negligence on the part of tenderer in filling the tender form as per the desired procedure would be sole responsibility of the tenderer.
- 2.6 The acceptance of the tender and award of the purchase order will be the sole right of the Chief Executive Officer,Gwalior Dugdha Sangh Mydt. who have the right 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.
- 2.7 The tenderers should submit their offers along with necessary drawings as per their specifications which will form the basis of their offer and is an integral part thereof.
- 2.8 The tender should be accompanied with a copy of PAN & sales tax number & copy of Registration of the firm without which the tender shall not be entertained.
- 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.
- 2.10 Demonstration of Plant & Machinery, Equipments shall be arranged by the firm at his own cost, whenever requested by Gwalior/Jabalpur Sah. Dugdha Sangh Mydt.

- 2.11 **Manufacturers will be given preference.** Copy of license is to be submitted with tender. Authorized dealers will have to submit a copy of valid authorization/dealership certificate of the manufacturer (To be put in Envelope B).

### **3.0 EARNEST MONEY DEPOSIT**

- 3.1 All the tenderers are required to deposit Earnest Money as specified in Schedule II of the tender document for each item in the form of a crossed demand draft / bankers cheque/pay order/RTGS in favour of **“Gwalior Sahakari Dugdha Sangh Maryadit”** . Submissions of earnest money by any other mode than specified above shall not be acceptable and the related tender shall not be eligible for consideration.
- 3.2 **Any tender which is not accompanied by Earnest Money deposit shall be rejected.** Earnest money deposit of unsuccessful tenderers will be returned within 15 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 Gwalior Sahakari Dugdha Sangh Maryadit.
- 3.4 Demand Draft / bankers cheque/Pay Order towards earnest money should be submitted .

### **4.0 SAMPLE**

- 4.1 The tenderer will have to produce a Sample of chaffcutter(s) as per their given specifications for inspection at desired place.

### **5.0 PRICES**

- 5.1 Rate should be quoted strictly as per the opted specifications of the firm and free from any escalation including all expenses-taxes, freight, installation & commissioning etc.
- 5.2 In case of any doubt as to the meaning of any of the terms & conditions or the specifications, the tendering firm may set forth the particulars there of and submit them to the Gwalior Sah. Dugdha Sangh Mydt, in writing that such doubts may be removed before submitting the tender.
- 5.3 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.
- 5.4 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. We would communicate our rate approval within 15 days of opening of tender.
- 5.5 The tender should clearly specify whether the basic prices quoted are inclusive all taxes and freight..
- 5.6 The tenderer should quote rate on F.O.R Dairy Plant Industrial Area, Banmore, Dist. Morena (MP) basis only.

- 5.7 The lowest rate shall not be the only criteria for approving the tender. Approval of any tender is subject to preference of the material specifications/samples offered by the firms.
- 5.8 If need , negotiations will be done for prices and as well as terms & conditions of material supply only with the lowest firm amongst those offers which are preferred to on the basis of material specifications/sample.

## **6.0 AGREEMENT**

- 6.1 The approved tenderer shall have to execute an agreement on Non-judicial stamp paper as per terms and conditions of this tender with Gwalior Sahakari Dugdha Mydt as per the draft Purchase agreement at Form-C under Schedule III.
- 6.2 The agreement will be effective for a period of one year from the date of awarding the contract. The contract can be increased/decreased with mutual consent.
- 6.3 The Chief Executive Officer, BSDSM/GSDSM/JSDSM reserve the right to increase/decrease the quantity of the material in the tender validity period.

## **7.0 MODE OF DESPATCH**

- 7.1 The material shall be dispatched by approved firm under prior intimation. The supplier shall have to carry out proper packing/crating to avoid damage during transit.
- 7.2 Transit Insurance is to be arranged by the approved firm.
- 7.3 Wharfage /Demurrage etc. on account of incorrect or delayed dispatch of material/documents shall be the responsibility of the approved supplier and shall be recovered from the bills.

## **8.0 LIQUIDATED DAMAGES**

- 8.1 If the approved firm 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 the EMD also would be forfeited.
- 8.2 The time period of the awarded works and the date of delivery of the material/services stipulated in the work order shall be deemed to be the essence of the contract. Once firm delivery date(s) are fixed for supply of material, they shall be strictly adhered to. In case they are not followed or in case of delay in execution or non-execution of the order, the Dugdh Sangh reserves the right either to cancel the order and make alternative purchase/ arrange the completion of job from other sources, at the risk and cost & expensed of the defaulting supplier. In case the suppliers & services are not affected as per the schedules, the liquidated damages may be charged on the goods/ services not so delivered as under:

<b>S. No.</b>	<b>Duration of delay</b>	<b>Liquidated Damages</b>
1.	01 Month	1%
2.	01 to 02 Months	2%
3.	Beyond 2 Months	5%

## **9.0 INSPECTION**

- 9.1 All the bidders are subject to inspection at our stores or where it is installed by bidder at Bidder's cost 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 approved firm 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 suppliers account.

## **10.0 PAYMENT**

- 10.1 Payment equivalent to 50% of the value of the material will be released after receipt, inspection and acceptance of materials in our stores within a period of about 15 days of receipt. 30 % will be released after installation and satisfactory trial run. The balance 20% payment will be released after submission of bank guarantee of 10 % of the total cost for the 12 months.

## **11.0 CONSEQUENCES OF BREACH OF AGREEMENT**

- 11.1 If the approved firm under the contract commits breach of any of the conditions, it shall be lawful for the Chief Executive Officer, GSDSM/JSDSM to cancel the contract and to purchase material from any other alternate sources on the risk and cost of the defaulting firm
- 11.2 If any act of commission or omission of the firm under contract brings Gwalior Sahakari Dugdha Sangh Mydt. to dispute then GSDSM/JSDSM shall be competent to debar/blacklist the firm from further business.

## **12.0 DISPUTE ARBITRATION & FINAL AUTHORITY**

- 12.1 It should be clearly understood that in the event of the approved firm failing to accept and execute the supply order, then decision of the Chief Executive Officer, GSDSM/JSDSM in this respect will be final and binding on the firm.
- 12.2 For all matters of dispute, the decision of the honorable Pradhikrat Adhikari, Gwalior Sahakari Dugdha Sangh Mydt, Gwalior under Arbitration and Conciliation Act. 1996 shall be final and binding on both the parties.
- 12.3 For all disputes, the venue for legal course shall be at GWALIOR.

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

**GWALIOR SAHAKARI DUGDHA SANGH MARYADIT,  
GOLE KA MANDIR, GWALIOR  
SCHEDULE-II**

**A-CURD INCUBATOR CUM BLAST CHILLER - 10000 CURD CUPS INCUBATION WITH  
BLAST CHILLING**

**Approx Qty - 01 Nos.**

<b>1. PRE FABRICATED PANELS FOR INCUBATION ROOM</b>	
Cold Room Outer Size (Ft)	: 9'-8" X 9'-8" X 8'-1.22" (W X D X H)
Cold Room Outer Size (Inch)	: 116" X 116" X 97.22" (W X D X H)
Cold Room Inner Size (Inch)	: 111.28" X 111.28" X 90" (W X D X H)
Total Storage Volume	: 661 C.F.T
Product	: CURD
Product Storage	: 1000 Kg and 500 kg
Packing Type	: Cup
Room Temperature	: 40C to 45C
Product Turn Over	: 100% of Total Storage
Panel Construction	: Prefabricated sandwich PUF panels with Cam lock & Pvc gaskets on all sides. All panels fit together by cam lock. Panel with grooves to increase the strength. Wall , ceiling & floor all get together by the mentioned arrangements.
Panel Surface Material	: 60 mm. Puf Panel Bothside pre coated GI sheet, Sheet Thickness 0.5mm
Floor Insulation	: 60mm PUF panel with bothside pre coated GI sheet for Kota stone. (fixing Kota on Customer Scope)
Door Accessories	: Flush type Swing Door with Heavy duty Imported Hardware like Hinges, Handle & Door closer. Door frame made in Heavy duty PVC profile with inbuilt heater arrangement to remove defrosting on door & Push type Gasket to stop air lose & easy operation for Long life.
Door Opening size & Nos.	: Door opening size : 30" x 72" (W x H) & 1 Nos.
Light	: Vapor proof Bulk head provide proper lighting in each & every corner of the cold room.
Pressure Relief port	: we are providing Pressure relief port to balance the air pressure within the room to reduce damage of panel due to vacume.
Kick Plate	: we are providing Aluminum Checkered Plate on bothside of Door bottom to reduce damage
Safety Release Knob	: Safety release Knob placed at the inner side of the door for safety precautions.



<b>2.INCUBATION HEATER UNIT</b>	
Heater Unit	: HEATING CAPACITY : 3 Kw. AIR VOLUME : 1000 Cfm. FAN 250MM 2 NO. BODY SIZE ( MM ) & MOC : 825L X 540W X 220H, Aluminium Powder Coted. HEATER MOC - TUBES & FINS SS 304.
<b>3. PRE FABRICATED PANELS FOR CURD BLAST CHILLING ROOM</b>	
Cold Room Outer Size (Ft)	: 9'-8" X 9'-8" X 8'-1.22" (W X D X H)
Cold Room Outer Size (Inch)	: 116" X 116" X 97.22" (W X D X H)
Cold Room Inner Size (Inch)	: 111.28" X 111.28" X 90" (W X D X H)
Total Storage Volume	: 674 C.F.T
Product	: CURD
Product Storage	: 1000 Kg
Packing Type	: Cup
Room Temperature	: 5C to 8C
Product incoming Temp	: 40C to 42C
Pull Down Time	: 3 to 4 Hr
Product Turn Over	: 100% of Total Storage
Panel Construction	: Prefabricated sandwich PUF panels with Cam lock & Pvc gaskets on all sides. All panels fit together by cam lock. Panel with grooves to increase the strength. Wall , ceiling & floor all get together by the mentioned arrangements
Panel Thickness	: 60 mm. PUF ( poly urethane foam), Density 40 + 2 Kg / m3 Puf blowing agent-141B (CFC free)"
Panel Surface Material	: 60 mm. Puf Panel Bothside pre coated GI sheet, Sheet Thickness 0.5mm.
Floor Insulation	: 60mm PUF panel with bothside pre coated GI sheet for Kota stone. (fixing Kota on Customer Scope)
Door Accessories	: Flush type Swing Door with Heavy duty Imported Hardware like Hinges, Handle & Door closer. Door frame made in Heavy duty PVC profile with inbuilt heater arrangement to remove defrosting on door & Push type Gasket to stop air lose & easy operation for Long life.
Door Opening size & Nos.	: Door opening size : 30"" x 72"" (W x H) & 1 Nos.
Light	: Vapor proof Bulk head provide proper lighting in each & every corner of the cold room
Pressure Relief por	: we are providing Pressure relief port to balance the air pressure within the room to reduce damage of panel due to vacume.
Kick Plate	: we are providing Aluminum Checkered Plate on

		bothside of Door bottom to reduce damage
Safety Release Knob	:	Safety release Knob placed at the inner side of the door for safety precautions.
<b>4. REFRIGERATION SYSTEM FOR BLAST CHILLING ROOM</b>		
Refrigeration Unit Type		Air Cooled Split Type
No of Refrigeration Unit		1 Nos.
Condenser Type		Air Cooled Aluminum Fin & Copper Tube type
Condensing unit Model No.		C028 - ZB – 45
Compressor Make		Emerson, ZB-45
Compressor Type		Hermetic scroll Compressor
Cooling Capacity		31083 BTU / Hr (Each Unit)
Cooling Capacity based on		-2 ° C Evaporating Temperature & 50 ° C Condensing Temperature
Evaporator Unit Model No.		A7060-353A
Evaporator Coil		Aluminum Fin & Copper Tube Type
Refrigerant		R - 404 A or suitable for bidders make
Connected Power Load		6.06 Kw/Hr. (Each Unit)
Power Supply		440 Volt, 50 Hz, 3 Phase.
Defrosting Method		Heater Cycle

## **B- ROTARY CURD CUP FILLING MACHINE**

Duty : To fill the Curd in 100/ 200 / 400 gm cups.

Capacity : Min. 2400 Cups per hour to 3000 cups

Filling : Automatic by volume into plastic cups

Accuracy of Filling: < +/- 1 gm

Type : Rotary, Mechanical driven,

- No of tracks: Twin Track – Single Head
- Cup regulation system: Pneumatically operated cup regulation system with vacuum draw.
- Lid placement: Pneumatically controlled lid regulation system with vacuum Holding
- Cup ejection: Pneumatically operated cup ejection system
- Cup discharge: Pneumatically operated dragger system
- Rotary table indexing system: Cam indexing system with BONFIGLIOLI geared motor to have 6 indexing per revolution
- Control System: PLC based circuit with HMI for the complete operation & regulation of functions
- Pack selection: A separate selector switches has provided for different size of packs like 100,200 and 400 ml
- Vacuum generation system: Pneumatic
- Pneumatic working system: BIDDER TO SPECIFY
- Compressor capacity: BIDDER TO SPECIFY
- Power Supply: BIDDER TO SPECIFY

- Power Consumption: BIDDER TO SPECIFY
- Drive / operations: Mechanical motor driven indexing system with pneumatically operated devices.
- Filling system: Pneumatic time based filling
- Sealing: Temperature controlled continuous sealing system
- MOC : Aluminium / stainless steel components with SS sheet metal outer body. Product contract parts are in SS 304 quality material. All parts other than SS will be powder coated
- Cup filling machine should be provided with a suitable exit conveyor OF 2.0 meter for conveying the cups to the packing table.
- The machine to be fitted with parts for 200 ml cups & for other variants one set of change parts is included in supply
- Inkjet printer for printing on cup/lid
- Cup counting system
- Complete functions of the machines are automatic, since the sequence of operations functions and the logics are programmed in the PLC. The machines have 2 operational modes like manual and auto. In auto mode the complete machine works automatically without any interruption where as in manual mode the machine works according to the functions selected through switches. Hence individual functions such as cup transportation, Lid placement, sealing, ejection and cup drag works independently through individual switches. The machine can run in either mode for regular production. Track selection is automatic because of the following safety devices

Provision had made in the machine to handle different size of cups by repositioning a few components and also by replacing the cup & lid adopters

Machine should also have following features

- No cup no fill
- No fill no lid
- No lid no seal
- No seal(but filled)no ejection
- No ejection machine stops
- Automatic display of faults with alarm
- Low air pressure no start
- Low Sealing temperature no start
- Low air pressure machine stops
- No product no start
- Low product level machine stop

**Note: Cup samples Will be provided by the purchaser to successful bidder for machine trial before dispatch at free of cost . Cup outer diameter will remain same inn all pack size.**

## **C- INOCULATION TANKS - 500 KG CAPACITY- INCLUDING PH METER/TEMP. INDICATOR**

The inoculation tank Will be used to mix culture in the curd milk before packing it in the cup filling machine.

Quantity	: As Per BOQ
Capacity	: As Per BOQ
Duty	: to mix culture in the curd milk before packing it in the cup filling machine
Construction	: Vertical, Insulated with agitator.
MOC	: 3 mm SS-316 inner shell and 2 mm SS 304 cladding
Insulation	: 100 mm glass wool
Accessories	: Inlet/outlet, breather, CIP spray ball, fittings for high & low level switches, top manway & other accessories like light & sight glass etc. Instruments are also under scope of supply

## **D-MILK TRANSFER PUMP**

Quantity	: As Per BOQ
Capacity	: As Per BOQ
Duty	: transfer of milk
Type	: Centrifugal, mono block, with quick opening sanitary fitting, free standing with adjustable ball feet
Seal	: Mechanical seal
Motor	:440 V AC, 3Φ, 50 Hz, IE 2, squirrel cage induction motor, TEFC, IP 55 enclosure with SS 304 shroud

## **E- CURD MILK HEATER**

Quantity	: As Per BOQ
Capacity	: As Per BOQ
Material	: SS-316 plates
Duty	: To heat water / Milk upto 45° C
Type	: Plate Heat Exchanger with PID based temp. control system.

## **F-CIP RETURN PUMP**

Quantity	: As Per BOQ
Capacity	: As Per BOQ
Type	: Self priming, mono block, SS centrifugal with SS-316 contact parts
Seal	: Mechanical seal

Motor : 440 V AC, 3Φ, 50 Hz, IE 2, squirrel cage induction motor, TEFC, IP 55 enclosure with SS 304 shroud

## G-CULTURED MILK TRANSFER PUMP TO PACKING MACHINE

Quantity : As Per BOQ  
Capacity : As Per BOQ  
Duty : For transfer of Milk upto the cup filling machine balance tank  
Type : Centrifugal, mono block, with quick opening sanitary fitting, free standing with adjustable ball feet. Pump should be interlocked with balance tank of cup cup filling machine.  
Seal : Mechanical seal  
Motor : 440 V AC, 3Φ, 50 Hz, IE 2, squirrel cage induction motor, TEFC, IP 55 enclosure with SS 304 shroud

## H- SS 304 TABLE FOR PACKING

Qty : As per BOQ  
MOC : With SS Study frame, 6 leg, SS 304 top plate with supports & thickness 3 mm, length 8 feet, width - 4 feet & height suitable to packing machine conveyor level. Table periphery should have raised border to prevent falling of cups from the table

## I- SS 304 PIPES (MILK/PRODUCT/CIP), FITTINGS & VALVES AND PIPE & FITTINGS ETC FOR UTILITY LINES

**Type:** TIG welded; annealed and de-scaled tubes will be manufactured as per the standard ASTM-A270. Outer surface of the tubes should be mat finished and inner surface should be acid pickled & finished as per dairy standard.

### **Material of construction and thickness:**

All the pipes unless otherwise stated will confirms to AISI 304. The average wall thickness of tubes should be 1.6 mm up to 76.2 mm diameter and 2.0 mm for diameters 101.6 and above. The wall thickness at any point will not vary more than 12.5% over and under from the average wall thickness specified. The ovality on the open ends will be within the permissible limit specified in the ASTM A270.

Supports will have wall thickness of 2.6 mm up to 40 mm dia pipe and 3.2 mm for higher size pipes up to 63 mm dia.

**Testing:** All the process tubes will be hydraulically tested at the manufacturer's works at 1500 PSI for pipes up to 38.1 mm diameter and 1000 PSI for tubes size 50.8 and above. All the tubes will bear the heat mark. The supplier is required to furnish the test certificate of the tubes with respect to chemical composition, tensile test and mechanical test.

## **J-CURD PASTURIZER 2 KL -**

Time – Temp. Indicator 92-95<sup>0</sup> C/ 10 minutes holding  
FDV- 91<sup>0</sup> C

## **K- CLARIFER – 10 KL capacity**

## **L- AIR PURIFIER-** For covering to shed 40X40 Sq. feet area

All the contact parts must be food grade material

### **NOTE:**

- (i) **Please submit a detailed list of adopted/applicable specifications (to be put in Envelope – B: Technical Bid).**
- (ii) **(ii) Drawing is to be submitted as per the adopted specifications (to be put in Envelope – B: Technical Bid).**

<b>LIST OF MAKES OF MAJOR EQUIPMENT/BOUGHT OUT ITEMS</b>	
<b>DESCRIPTION</b>	<b>MAKES</b>
Curd cup filling machine	SAMARPAN/ PWS/RMC or reputed make having installed atleast 5 machiens in cooperative dairens in last 5 years
SS Milk & CIP Supply & Hot water Pump	FRISTAM /ZEUTECH /ALFALAVAL/SPX
Chiller / Pasteurizer	TETRA PAK / SPX/ALFA LAVAL/IDMC
Water & CIP Solution Heater	TETRA PAK / SPX/ ALFA LAVAL/IDMC
SS CIP Return Pump (self- priming)	FRISTAM /ZEUTECH/ALFALAVAL/SPX/IDMC
Inkjet Printer	DOMINO / VIDEOJET / IMAGE
TTO Printer	DOMINO / VIDEOJET / MARKEM
PUF Panels for Cold Rooms	LLOYDS / BEARDELL / FRICK / RINAC / JINDAL MEC TEC / SINTEX/ICEMAKE
SS Vertical Water / Chilled /Hot Water Pumps	KIRLOSKER/GRUNDFOS / MATHER & PLATT / WILO/ CRI / KSB
Milk Silo Agitator (Side Mounted)	STELZER / ALFA LAVAL / PRG/ JONGIA
<b>INSTRUMENTATION, CONTROLS &amp; AUTOMATION</b>	

Temperature / Pressure Transmitter	RADIX/E&H / EMERSON / ANDERSON NEGELE / IFM
RTD	E&H / EMERSON / ANDERSON NEGELE / IFM/ RADIX / GIC / ALTOP
PID Controller	SAMSON / AVCON / DEMBLA / FORBES MARSHALL / YOKOGAVA
Level Switch (float type & vibrating fork type)	E&H / EMERSON / ANDERSON NEGELE / IFM/ BAUMER
Control Valve	DEMBLA /DANFOSS / SAMSON / MARSHALL-ARCA
Pressure switch / temp switch	DANFOSS / ALCO / HANSEN / PARKER / E&H/ EMERSON / ANDERSON NEGELE / IMF / INDFOSS / PYROTECH / SWITZER / RADIX / DAG-PROCESS/ TRAFAG
Pressure & Temperature Gauge	FIEBIG / H GURU / WAAREE / WIKA / PRICOL
Dual type Pressure / temp gauges	FIEBIG / H GURU / WAAREE / WIKA / GIC / PRICOL / ALTOP
Temperature digital indicator / controller	E&H / EMERSON / ANDERSON NEGELE / IFM/ RADIX / WIKA
Load Manager / Power / Energy Monitor	ROCKWELL (ALLEN BRADLEY) / SIEMENS / ABB / L&T / SCNEIDER
PC (Personal Computer)	HEWLETT-PACKARD / DELL / LENOVO
Network Switch	CISCO /SIEMENS
<b>ELECTRICALS</b>	
Electric Motors	SIEMENS / BHARAT BIJLEE / ABB / LEROY SOMER / CROMPTON GREAVES / KIRLOSKAR
Air Circuit Breaker	L&T / SIEMENS / SCHNEIDER/ ABB
MCCB	L&T / SIEMENS / ABB/ SCHNEIDER / MDSLEGRAND
MPCB	L&T / SIEMENS / SCHNEIDER / ABB
Contactors	L&T / SIEMENS / SCHNEIDER / ABB
Starter Overload Relays	L&T / SIEMENS / SCHNEIDER / ABB
Intelligent Motor Protection Relays	L&T / SIEMENS / ALLEN BRADLEY / ABB/ SCHNEIDER
Timers Electronic	L&T / SIEMENS / SCHNEIDER / ABB
Switch Fuse Units	L&T / SIEMENS / SCHNEIDER / ABB
MCBs	LEGRAND / SCHNEIDER / SIEMENS / HAGER
Push Buttons	SIEMENS / L&T / SCHNEIDER / ABB / GE / TEKNIC
Indicating Lamps (LED)	L&T / SIEMENS / SCHNEIDER / ABB /BINAY/ TEKNIC
Digital Ammeter & Voltmeter	SIEMENS / L&T / SCHNEIDER / RISHABH

Analog Ammeter & Voltmeter	RISHABH / IMP / MECO / AE
Digital Energy Meter	SIEMENS / L&T /SCHNEIDER /HPL SOCOMEC
PVC Conduit & accessories	PRECISION / CLIPSAL / POLYCAB/ P – PLAST
Digital Power Factor Meter	SIEMENS / L&T / SCHNEIDER / RISHABH / EPCOS
Programmable Protection Relay	MINILEC/ L&T
Resin cast / Polycarbonate Current Transformer	KAPPA / BHARTI / L&T / NEWTEK / PRECISE / AE
LT armoured Power Cables (aluminium & copper)	KEC (RPG) / FINOLEX / RR KABEL / POLYCAB/ SBEE / UNIVERSAL
LT armoured Copper Control Cables	KEC (RPG) / FINOLEX / RR KABEL / POLYCAB/ SBEE / UNIVERSAL
LT steel braided copper power & control cables	LAPP KABEL / SBEE / RR KABEL
Signal & Instrument cable	LAPP KABEL/ FINOLEX/ POLYCAB/ RR KABEL/ SBEE / THERMOPAD
Power Capacitors	EPCOS / SCHNEIDER / NEPTUNE DUCATI / L&T / KHATAU JANKAR / UNISTAR
APFC Relay	BELUKE / EPCOS / L&T / SIEMENS
Electronic Soft Starter	DANFOSS / ALLEN BRADLEY / SIEMENS / SCHNEIDER / L&T / ABB
Servo Voltage Stabilizer	SUVIK / APLAB / NEEL / CRYCARD
UPS	EMERSON / HI-REL / DB ELECTRONICS/ SOCOMEC / REILO
SMF Battery	AMCO / EXIDE / AMARA RAJA / AMCO YUASA
<b>SS PIPES &amp; VALVES</b>	
SS Pipes	RATNAMANI / BHANDARI FOILS & TUBES/ APEX TUBES/RENSA
Single Seat SS Pneumatic Valves	SPX / GEA TUCHENHAGEN / ALFA LAVAL
Pneumatic SS Butterfly / Ball type valves	SPX / GEA TUCHENHAGEN / ALFA LAVAL
SS Manual Valves & Fittings	IDMC / ALFA LAVAL / GEA/EQUIVALENT



### **SCHEDULE III**

**GWALIOR SAHAKARI DUGDH SANGH MARYADIT  
GOLA KA MANDIR, RESIDENCY ROAD  
MORAR, GWALIOR (M.P.)  
ENVELOP - 'A'**

EMD	
Bidders Name	
Bank Name	
DD No.	
DD Date	
Amount	

**GWALIOR SAHAKARI DUGDHA SANGH MARYADIT  
GOLA KA MANDIR, GWALIOR- 462024**

**TECHNICAL BID ENVELOP-‘B’**

**(To be submitted along with the Technical Bid)**

**Form A**

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 the authorized signatory of the Co./Unit	
6	Particulars of Regn. Certificate issued by the competent authority (Regn No. & Date)	
7	GST No.	
8	PAN No. (Permanent Account No.-Income Tax)	
9	Have your Co. /Unit or its sister concern ever been Black listed/debarred by any organisation or any milk union (Y/N)	
10	If Yes, when & Why? Give reason in details	
11	Details of the works executed during the last 5 years of the same nature:-	

S. No.	Name of work	Cost of the work(Rs In Lacs)	Date of completion	Details of organization awarded the work etc.		
				Name of the organization	Work order No/date	Whether work completed (Yes/No)

**NOTE:-** Tenderer should submit copies of work order/completion certificate/Performance Certificate for work executed in last five (05) years.

**GWALIOR SAHAKARI DUGDH SANGH MARYADIT  
GOLA KA MANDIR, RESIDENCY ROAD,  
MORAR, GWALIOR (M.P.)**

**Price Bid-A**

<b>Sr. No.</b>	<b>Name of Item</b>	<b>Rate offered by Bidder (Rs. Per Unit) Incl. all exp. and taxes FOR in words</b>	<b>Rate offered by Bidder (Rs. Per Unit) Incl. all exp. and taxes FOR in numbers</b>
1	COMPLETE CURD MANUFACTURING UNIT		-

**SUBMIT PRICE BREAK ON SEPARATE SHEET**

Bidders Name:

Authorized Representative:

Address:

Contact details: Ph. No.

Email:

**GWALIOR SAHAKARI DUGDH SANGH MARYADIT  
GOLA KA MANDIR, RESIDENCY ROAD,  
MORAR, GWALIOR (M.P.)**

**PRICE BREAK UP SHEET**

<i>Sr.</i>	<i>Name of Item</i>	<i>Rate offered by Bidder (Rs. Per Unit) Incl. all exp. and taxes FOR in words</i>	<i>Rate offered by Bidder (Rs. Per Unit) Incl. all exp. and taxes FOR in Number</i>
A	CURD INCUBATOR CUM BLAST CHILLER		
B	INOCULATION TANKS		
C	MILK TRANSFER PUMP		
D	CURD MILK HEATER		
E	CIP RETURN PUMP		
F	CULTURED MILK TRANSFER PUMP TO PACKING MACHINE		
G	SS 304 TABLE FOR PACKING		
I	SS 304 PIPES (MILK/PRODUCT/CIP), FITTINGS & VALVES AND PIPE & FITTINGS ETC FOR UTILITY LINES		
J	CURD PASTURIZER 2 KL		
K	CLARIFER		
L	AIR PURIFIER		

**NAME OF BIDDER:**