



**Gujarat Cooperative Milk Marketing Federation Ltd, Anand  
Amulfed Dairy (Previously known as Mother Dairy)**

Plot No. 35, Nr. Indira Bridge,  
Ahmedabad-Gandhinagar Highway  
Village: Bhat, Dist.: Gandhinagar  
Gujarat, India-382428

Request for Bid (RFB) for “**Design, Supply (FOR Site basis including Unloading), Installation, Testing & Commissioning of 30KL Curd Storage Tank, 120KL Water storage tank, 200L & 500L Balance tank**” as per given specification.

**AFD: PUR: ENQ: P: 2023: 784**



<b>Inquiry Start Date</b>	25/10/2023
<b>Last date for submission for technical bid</b>	06/11/2023
<b>Last date for submission of commercial bid</b>	10/11/2023 16:00 hr.
<b>Website for vendor registration</b>	<a href="https://afdpurchase.amul.in/">https://afdpurchase.amul.in/</a>
<b>Contact Person</b>	Yogendrasinh Sodha- 7046036777

### 1. Eligibility Criteria

The Bidder/Supplier shall have turnover, in each of the last three years (2020-21, 2021-22 and 2022-23), at least equal to Rs. 5.00 Crores and must have executed, in the last two years at least a contract of similar nature and value not less than Rs. 1.00 Crores.

### 2. Bid Security

All bids must be accompanied by bid security (Earnest Money Deposit – EMD) of Rs. 1,80,000/- in the form of RTGS/NEFT in below mentioned bank detail. The bids not accompanied with EMD shall be summarily rejected.

The Bid security may be forfeited if

- A bidder or supplier withdraw its bid during the period of bid validity specified by the bidder/ supplier on the bid form or
- In case of successful bidder/ supplier, if the bidder/ supplier fails to sign the contract.
- Here you can find the Bank Detail for submission of EMD.

AmulFed Dairy, Gandhinagar

HDFC Bank A/c. No: 00060310001593

Branch Code: 0006 (NAVRANGPURA BRANCH)

Bank AD Code: 0510007-5700009

Swift code: HDFCINBB

IFSC Code: HDFC0000006

### 3. Procedure to participate in above inquiry:

- All the interested bidders have to participate in the inquiry through our purchase portal by registering your firm as a new vendor (if your firm already have registration in our PP, then you have to login to your account and request AFD to send RFQ).
- Interested bidders have to register your firm in our Purchase portal.
  - Website for our portal is as >>>: <http://afdpurchase.amul.in/>
- Offer through mail/hardcopy are not accepted and stand for rejection, your competitive bids should be submitted through our online portal only.
- Interested bidders have to submit their technical specification/detail first, only after technical evaluation/approval, bidders will be invited for submission of commercial bid.

#### **4. Liquidated Damages**

If the Bidder/Supplier fails to deliver any or all of the Goods or perform the Services within the time period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages as under:

##### **a) For the Supply Component:**

A sum equivalent to 0.5% of the delivered price of the delayed goods (As per the price break up furnished by the supplier and accepted by the Purchaser, which the supplier fails to supply within the time period specified in the contract for each week of delay.

##### **b) For the Erection and Commissioning Component:**

A sum equivalent to 0.5% of the un - executed portion of each week of delay or part thereof beyond the time specified in the contract for the successful completion of the plant.

The total amount so deducted as per above, shall not exceed 5% of the Contract value. Once the maximum is reached, the Purchaser may consider termination of the Contract.

Any incremental taxes and levies on account of delay in performance of the Contract by the Bidder/Supplier shall be to the Bidder/Supplier's account.

#### **5. Payment Term**

Payment for supply, installation and commissioning contracts must be strictly as below:

- 1) 20% advance of basic value of contract (without Taxes) (Supply + Erection & Commissioning) on submission of following:
  - Acceptance of the order i.e. Submission of the Duplicate copy of the order duly signed by the authorized signatory putting stamp of the Organization.
  - Against a bank guarantee for equivalent amount valid for 60 days beyond the stipulated delivery (as per schedule of delivery/supply)/ completion period.
- 2) Payment against Supply and erection of Equipments/material (with 100% taxes):
  - 65% progressive payment of supply value against safe receipt of goods at site.
  - 65 % payable on erection value on progression of erection within 30 days of submission of Installation certificate.
- 3) 15% balance payment within 30 days of satisfactory commissioning of the plant.
  - The Performance Security shall be in the amount of 15% of the basic value of Contract (without tax) up to sixty days after the date of completion of performance obligations including warranty obligations.
  - Notes: a) The Bank Guarantees should be obtained from Nationalized Bank or ICICI Bank or HDFC Bank or any other approved bank by AFD (Approval required before processing ABG/PBG).

#### **6. Rights Reserved by AFD**

AmulFed Dairy, Gandhinagar at all its sole discretion and without assigning any reason thereof, reserves the right to accept and/or reject the whole or part of any or all the bids received.

#### **7. Validity**

The offer should be valid for 180 days from the date of tender opening.

## 8. Other Terms & Condition

- The price should be quoted on F.O.R basis inclusive of packing and forwarding, freight, Insurance etc. However, it should be clearly mentioned in the quotation.
- Price should be inclusive of all the taxes, excise duties etc., or it should be mentioned separately in your offer clearly.
- It should cover a warranty of at least one-year against manufacturing defect.
- Realistic earliest delivery period should be indicated.
- It is not binding on us to accept lowest offer.
- Offer which are incomplete or not meeting the conditions or only for part items, may liable for rejections.
- No queries regarding the status of the offer will be entertained at any time.
- The final supplier will be the combined decision of our technical team and management and no reason of final selection will be conveyed to any bidder.
- For any query contact to Mr. Yogendrasinh Sodha of Purchase dept. (07046036777) or mail on: [yogendra.sodha@amul.coop](mailto:yogendra.sodha@amul.coop)

## 1. 30KL Curd storage Tank

Specification	Requirement
<b>Product</b>	Curd
<b>Capacity</b>	30 KL
<b>Type</b>	Cylindrical outdoor insulated flat bottom type with alcove. Slope should be such that product inside tank (curd) is emptied out completely
<b>Material</b>	MOC: Inner shell SS316 and Outer shell SS304
	Thickness: Bottom dish: 4 mm and Top dish: 3 mm
	Inner shell bottom: 4 mm and remaining 3 mm
	Outer top dish: 3 mm
<b>Finish</b>	Outer shell: Welded – 2mm
<b>Finish</b>	150 grit
<b>Fittings and Instrument</b>	Inlet/Outlet port with Manual Sanitary design Butterfly Valve with 3" size, with sampling cock in line with sanitary design
	Recirculation port on top with no foam inlet type with 3" size
	Breather: Suitable design with easy opening facility to add ingredients from top
	CIP Spray ball: Spray ball design must be such that complete agitator blade including shadow area and bottom part must be cleaned properly.
	Low level with 1/2" BSP thread provision in tank and also at outlet of pipe with flushed mounted dummy
	High level - Top mounted type with 1/2" BSP thread provision, length: 250mm
	Thermo well for RTD with 3/8" BSP thread provision, length: 400 mm
	Level Transmitter port with DRD65 flange provision
<b>Light glass and sight glass</b>	Manway: Side mounted manway with Proximity switch connection provision with cover and with nitrile food grade gasket. Sample cock must be provided in manhole.
<b>Level marking</b>	Other accessories like light and sight glass
<b>Top Railing</b>	Level marking facility in inner shell
<b>Bird cage</b>	Top Railing: SS 304 MOC for railing with toe guard
<b>Insulation</b>	Bird cage: Shrouding of top tank and platform with 1 mm thick perforated SS304 sheet to avoid bird menace is included in scope of work.
<b>Agitator</b>	A layer of 15 mm thick PUF insulation followed by EPS in two layers of 50 mm each including vapor barrier. Product temp should not vary more than 1 deg C in 24 hrs.
	Type: Suitable design as per product characteristics and functional requirements having VFD compatible IE3 motor with SS304 shroud. Agitator Make: PRG/Alfa Laval. Gear Box make; Nord/SEW
	Material: SS 316
<b>Platform</b>	Top mounted agitator to ensure uniform fat distribution and curd breaking without any adverse effects on the content. Agitation would be Curd/Milk quantity based and required agitators to be provided to meet the functional requirement.
<b>Alcove</b>	Made of MS hot deep galvanized. staircase for approach to silo roof top and maintenance platform for agitator. Railing of Platform shall be SS304. Platform and staircase step must be chequered plate.
	bottom plate 3 mm and other 2.5 mm. With its installation. Size: 1800 mm(H) x 1500 mm(W)
<b>Civil Foundation</b>	Silo installation tentative space is available Dia 2400 MM
	Silo mounting plate for fix silo with civil foundation need to provide by vendor
	During final order, we will share exact civil foundation drawing for silo installation
<b>Erection and positioning</b>	In supplier scope
<b>GA drawing</b>	GA drawing must be submitted by vendor
<b>Test certificate</b>	Test certificate need to submit by vendor i.e., DP test, MOC test.

## 2. 120 KL Cold water Storage silo

Spefication	Requirement
<b>Product</b>	Water
<b>Capacity</b>	120 KI
<b>Type</b>	Cylindrical outdoor insulated type
<b>Material</b>	MOC: Inner shell and Outer shell SS304
	Thickness: Bottom dish: 4 mm and Top dish: 3 mm
	Inner shell bottom: 4 mm and remaining 3 mm
	Outer top dish: 3 mm
<b>Finish</b>	Outer shell: Welded – 2mm
<b>Finish</b>	150 grit (inner and outer)
<b>Fittings and Instrument</b>	Inlet/Outlet port with Manual Sanitary design Butterfly Valve, 4"(101 mm)
	Recirculation port on top with no foam inlet type, 4"(101mm), this pipe needs to be extended from top to bottom with proper clamp support and pipe size 4"with isolation manual valve
	Breather: Suitable design
	CIP Spray ball: Stationary suitable
	Low level with 1/2" BSP thread provision
	High level - Top mounted type with 1/2" BSP thread provision, length 250 mm, 38mm line size conduit needs to be laid from top to bottom for high level connection
	Thermo well for RTD with 3/8" BSP thread provision, length 400 mm
	Level Transmitter port with DRD65 flange provision
<b>Light and sight glass</b>	Manway: Side mounted manway with Proximity switch connection provision with cover and with nitrile gasket. Sampling cock need to provide in manhole.
<b>Level Marking</b>	Other accessories like light and sight glass
<b>Level Marking</b>	Level marking facility in inner shell
<b>Top Railing</b>	SS 304 MOC for railing, design should be considered with safety point of view. Toe guard to be provided at top silo.
<b>Top platform</b>	Top platform to access breather, valve, level switch etc.
<b>Insulation</b>	A layer of 15 mm thick PUF insulation followed by EPS in two layers of 50 mm each including vapor barrier. Product temp should not vary more than 1 deg C in 24 hrs.
<b>Provision of Agitator</b>	Side mounted agitator provision, agitator not required only provide blind flange
	Provision shall be suitable according to design agitator for milk product
<b>Ladder</b>	Monkey ladder with cage, MOC SS304
	Monkey ladder step must be anti-sleep flat type
<b>Civil Foundation</b>	Silo installation tentative space is available for outer Dia 3800 MM
	Silo mounting plate for fix silo with civil foundation need to provide by vendor
	During final order, we will share exact civil foundation drawing for silo installation
<b>Erection and installation</b>	In supplier scope
<b>GA drawing</b>	GA drawing must be submitted by vendor
<b>Test certificate</b>	Test certificate need to submit by vendor i.e., DP test, MOC test.

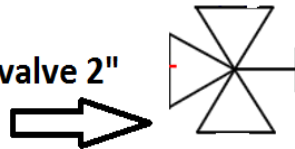
### 3. 500 Lit Balance tank

Tank Capacity	Specification
500 L tank	<ul style="list-style-type: none"><li>• 500 L cylindrical leg mounted tank with top cover with gasket</li><li>• Tank MOC : SS304</li><li>• Mat finishing of inside and outside area of tank</li><li>• Flat bottom with slop to empty tank properly</li><li>• One outlet port 76mm dia with SMS union and isolation valve</li><li>• Makeup water connection in top 63.5 mm with SMS union with no form inlet design</li><li>• DRD 65 flange connection with counter flange for Level transmitter connection</li><li>• 3 nos of 1/2" BSP female thread connection for level switch (low level, middle level and high level)</li><li>• Tank dia should be 800 mm, accordingly vendor need to share height of tank</li><li>• Overflow pipe should be provided</li><li>• Vendor need to share drawing of the tank for approval</li></ul>

#### 4. 200 Lit Balance Tank

200 Lit Balance tank as per Drawing	
Tank Capacity	Work Desc.
200 L tank	200 L balance Tank as per below drawing with 01 no. of Inline strainer & 02 Nos. of Three-Way Valve 2"

supply of 3 way valve 2"



SIZE : 2" DIA

Inlet with 2" union/dummy



SIZE : 2" DIA

