



(Previously Known as Mother Dairy, Gandhinagar)

**Request for Quotation (RFQ)**

**AFD: PUR: HSG: 50 KLPD water recycling**

**9 September, 2017**

To,

Dear Sir,

**Sub: Request for Quotation (RFQ)** for "50 KLPD water recycling" as mentioned in annexure.

We invite your most competitive offer for "50 KLPD water recycling" as per detailed specifications. Your offer should be based on following considerations:

1. The offer should reach:-AmulFed Dairy (Previously known as Mother Dairy-A Unit Of GCMMF Ltd) Plot No-35, Nr. Indira Bridge, Ahmedabad - Gandhinagar Highway. Village Bhat, Dist - Gandhinagar. Pin - 382 424.

2. Due Date: **September 27, 2017 Before 17:00 hours**

3. The offer should be submitted in sealed cover super scribing on the top left hand corner offer for AFD: PUR: HSG: "50 KLPD water recycling" If it is not super scribed it can be liable for rejection. Only offer is acceptable in mail. Vendor registration and necessary attachments required in hard copy only.

4. Offer received after due date for whatsoever reason may be rejected. We will not be responsible for postal delays.

5. Offer should valid for acceptance for 45 days from date for submission of offer.

6. The price should be quoted with all details.

7. **Specify your tax condition.** Non indication of above levies will mean that prices are inclusive of all taxes and above levies.

8. Realistic and earliest completion period should be indicated in offer.

9. It will not be binding on us to accept the lowest offer.

10. Right to accept/reject any/all offers without assigning reason is reserved by us.

11. Offers which are incomplete or not meeting the conditions are liable for rejection.

12. Payment terms within 30 days of invoice receipt. If the payment term is document through bank, all banking charges shall be borne by the suppliers.

13. **Herewith this we are attaching vendor registration form please fill it up & provide along with offer, without vendor form offer must not consider.**

# AmulFed Dairy

A UNIT OF GUJARAT CO-OPERATIVE MILK MARKETING FEDERATION LIMITED

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We are an ISO 9001: 2008, ISO 14001:2004 and ISO 22000:2005 company; we follow sustainable eco-friendly processes in our organization and expect the same to be followed at your end.

Note: If required please visit premises with prior confirmation before quote. Please arrange visit between 2:00 P.M. to 5:00 P.M. in working day.

Mail id as mentioned below.

Shri Hardik Gajjar : [hardik.gajjar@amul.coop](mailto:hardik.gajjar@amul.coop)

Shri Sunil Sharma : [sunil@amul.coop](mailto:sunil@amul.coop)

Shri Prashant Sheth : [prashant.sheth@amul.coop](mailto:prashant.sheth@amul.coop)

Yours Faithfully,

For AmulFed Dairy,

Purchase Depart.

# AmulFed Dairy

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## Annexure - "50 KLPD water recycling"

### Preamble

AmulFed Dairy, Gandhinagar is the largest dairy plant in India with milk handling capacity of 3.5 million litres per day. After the current ongoing expansion, the capacity will be 5 million litres per day. The company has set up the plant with state of the art manufacturing facilities.

### Objective

With an objective of recycling the domestic effluent, the company requires modular effluent treatment plant for treatment of domestic effluent. A drawing showing proposed location is attached herewith.

Technical specifications are as under:

### Effluent Characteristics:

Typical effluent characteristics are as under:

SR.	PARAMETER	RAW EFFLUENT	TREATED EFFLUENT
1	Effluent flow rate	50 m <sup>3</sup> /d	45-50 m <sup>3</sup> /d
2	pH	5.5 – 8.5	6.5 – 8.5
3	Chemical Oxygen demand	500-700 mg/L	< 70 mg/L
4	Biochemical Oxygen demand	250-300 mg/L	< 20 mg/L
5	Total Dissolved Solids	1500-2000 mg/L	< 2100 mg/L
6	Total Suspended Solids	300-400 mg/L	< 70 mg/L
7	Oil & Grease	150-200 mg/L	< 10 mg/L

### Scope of Work:

- Selection of most optimal water treatment process including selection of each unit process and operation, selection of process train / sequences and preparing flow diagram etc.
- Basic process design including preparation of P&I diagram, determination of capacity and specifications of all units, selection of equipment / machinery, preparation of plant lay out etc.
- Execution on turnkey basis including plant and machinery, electrification and instrumentation.
- Pre-commissioning checks, no load trials, plant start up, plant commissioning and operations of plant at design load for at least one month.

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## Notes:

- The offer should include equipment/system required for handling of sludge generated during the treatment process.
- Bidder shall carry out the site visit, understand the present system configuration and submit most optimal layout & specifications for water recycling project.
- Battery limit shall be primary collection tank for storage of raw effluent for taking inlet water and final treated water tank for outlet of recycling water project. Electrical power shall be made available at a single point.
- All civil work shall be in purchaser's scope. However, bidder shall clearly specify the civil work requirement along with the offer like proposed size of length, width and height of inlet and outlet tanks and intermediate tanks, if any.
- Magnetic water flow meters with RS 485 communication facility shall be provided to measure the inlet and outlet water quantity of the recycling scheme.

## General Specifications:

### Piping Work:

- All GI piping works shall be done using GI B Class pipes, duly painted as per relevant color codes.
- All HDPE piping work shall be done using pipe with pressure rating of 6 kg/cm<sup>2</sup>
- All the HDPE pipes and accessories should be suitable to "Electro fusion" jointing. All joints should be made by electro fusion welding only.
- All material shall be guaranteed against manufacturing defects for a period of 12 months from the date of commissioning.
- Gravity pipeline sizing shall be done considering gravity difference between the equipments and theoretical pressure drop in piping at 1.2 times the design flow.
- Pumping pipeline shall be sized at maximum velocity of 1.5 m/sec.
- All SS pipelines shall be SS 304 with minimum thickness of 1.6 mm.

### Electrical Work:

- The work shall be carried out in conformity with the relevant specification/codes of practice of the Bureau of Indian Standards.
- All power and control cables for use on 415 V system shall be of 1100 volt grade. MCC incoming power cables shall be of Aluminium conductor and all equipment feeder power cable shall be of copper conductor. Use of un-armoured cable shall be done only under approval of our engineer in charge. All control cables shall be of copper conductor only.
- The job may require installation of outdoor MCC. MCC shall be of IP 65 rating, free standing, non-compartmental type, except for the feeders requiring installation of VFD. All switchgears shall be of Siemens/L&T/equivalent make only. All variable frequency drives shall be Siemens/Danfoss/equivalent make only.
- Suitable weather sheds shall be provided above the outdoor MCC.
- Adequate earthing with separate earth pit shall be provided to MCC. Double earthing (plate earthing) shall be provided on all electrical equipments.

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

Tel. No. (+91-79) 23969055 – 58, Fax No. (+91-79) 23969059

Website: [www.amul.com](http://www.amul.com)

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Please mention the following parameters along with the offer. Evaluation shall be done on life cycle cost analysis including the operating cost.

Sr. No.	Item	Value
1	Capital cost	
2	Annual operation cost	(Rs./ m3 )
3	Operator requirement	Numbers and Skill level required
4	Space Requirement	M <sup>2</sup>

## Two Parts Bidding:

Technical part and commercial part must be submitted in separate sealed envelopes. Commercial bids will be rejected if technical bid is not acceptable due to not meeting the required objective of STP. Technical details must be complete and comprehensive with responsibility matrix. Commercial offers must be with complete price break up and battery limits.

Please confirm HSN code for the quoted item.



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VENDOR REGISTRATION FORM  
(FOR AUTHORIZED DISTRIBUTORS/DEALERS/STOCKISTS/TRADERS/SERVICE PROVIDERS)

- (1) Category of item/Service for Which registration is sought :
- (2) Name Of Firm :
- (3) Add. Of Register Office :
- Phone No. & Fax No. :
- e-mail :
- (4) Name Of Contact Person (A'bad/Gujarat) :
- Status of Firm (outside Gujarat, if any)
- (5) In case of Partnership firm, :
- (a)
- (b)
- (c)
- (6) If Proprietary Concern Name & Address of proprietary :
- (7) If Private/Public Limited Co. (Memorandum Of Association to be enclosed)
- (8) Year of establishment of firm :
- (9) Category of items to be handled by you and their details
- | Item Catg. | Size | Make | Manufacturer | Nature Of Agency |
|------------|------|------|--------------|------------------|
|------------|------|------|--------------|------------------|
- (Enclose copy of Dealership/Agency approval letter of manufacturer)
- (10) Name and address of the dealer/depot from where you get delivery of item offered to us.
- (11) Please enclose details of manufacturer for the products offered to us.
- (12) Central Sales Tax No.
- (13) If excise applicable, current excise duty and details
- (14) Applicable CST/ST rate
- GST
- (15) Last 03years sales (business) of your firm (Average in Rs. Lacs)
- 2015-16
- 2014-15
- 2013-14

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- (16) List of leading buyers from you for the products (services) offered to us.
- (17) Item category Name and address of buyer Annual business (Rs. Lacs)
- (18) Name Of Bankers
- (19) IT clearance certificate no. and date (Photocopy to be enclosed)
- (20) Latest Annual Report / Auditors' certificate
- (21) In case your are/were a supplier/service provider to co-op. Dairies in Gujarat, please mention  
(If then attach purchase order copy with form)
- (a) Name of Diary  
(b) Item Supplied  
(c) Quantities supplied per year
- (22) If the business is discontinued with any of them reasons:
- (23) Whether any of your relatives is working with us or with our member dairies, if so, details
- (24) Any other information you would like to furnish to us

## **DECLARATION**

THE ABOVE IS TRUE IN ALL RESPECTS AND WE UNDER TAKE TO INFORM YOU IF ANY CHANGE IN THE ABOVE PARTICULARS REGARDING OUR BUSINESS FROM TIME TO TIME

PLACE : SIGNATURE OF AUTHORISED REPRESENTATIVE  
OF THE FIRM UNDER PROPER SEAL

DATE :

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FOR OFFICE USE

VENDOR REGISTRATION NO.

DATE

CATEGORY

VENDOR NO.

INFORMATION RECEIVED

RECOMMENDED

APPROVED

COMPLETELY SATISFACTORY

PURCHASE EXECUTIVE

MANAGER PURCHASE

I/c GM