



(Previously Known as Mother Dairy, Gandhinagar)

## Request for Quotation (RFQ)

AFD: PUR: HSG: Boiler annual maint.

01 April, 2025

To,

Dear Sir,

Sub: **Request for Quotation (RFQ)** for Boiler department as mentioned in annexure.

- i) "Annual Maintenance of Boilers"
- ii) "Feed water pipe of 10 TPH boiler"
- iii) "Auto blow down assembly and it's piping"

We invite your most competitive offer for the same as per detailed specifications. Your offer should be based on following considerations.

1. The offer should submit on portal:-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: **Technical due April 12, 2025 before 14:00 hours.**

**Commercial due April 14, 2025 before 17:00 hours.**

3. The offer should be submitted in portal only. First of all, register your firm on shared link.

4. Offer received after due date for whatsoever reason may be rejected.

5. Offer should valid for acceptance for 90 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 after successful inspection of IBR authority @ plant within 30 days of invoice receipt. If the payment term is document through bank, all banking charges shall be borne by the suppliers.

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

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13. **Please find below link to register your firm on Purchase Portal. Without completing registration process on portal can't submit offer.**

**First of all, register your firm on shared link so can send inquiry through portal only.**

Interested bidders have to register your firm in our Purchase portal.

Website for our portal is as >>>: <http://afdpurchase.amul.in/>

Click Below links for Guidelines :

1. [Guide for VRF - MANUFACTURERS](#)

14. **Eligibility criteria: Must have executed similar type of order in last 5 year. Share credentials of the same. If required we ask for Performance Bank Guarantee.**

15. **Once registration process completes, we invite vendor to submit offer. Vendors need to submit technical first only after technical clearance you will be able to submit commercial figures.**

We are an ISO 9001: 2015, ISO 14001:2015, ISO 22000:2018, ISO 50001:2018 and ISO 45001:2018 company; we follow sustainable eco-friendly processes in our organization and expect the same to be followed at your end. We emphasis on energy efficient system and utilization of renewable energy systems in eco-friendly and sustainable way.

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. Offered rates are valid for one year, to cater any emergency in boiler through out the year.

: We may go for reverse auction/negotiation. If required we may ask for PBG.

Mail id as mentioned below.

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

Shri Bhargav Kanabar : [bhargav.kanabar@amul.coop](mailto:bhargav.kanabar@amul.coop)

Shri Paresh Mehta : [paresh.mehta@amul.coop](mailto:paresh.mehta@amul.coop)

Yours Faithfully,

For AmulFed Dairy,

Purchase Depart.

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## 1) Scope of Work for Boiler Annual Maintenance/Service at AmulFed Dairy, Gandhinagar Year 2025-26

Sr No	Details	Working Pressure	Registration Number	Last date of Passing	Due Date
1	10 TPH boiler	17.5 kg/cm <sup>2</sup> (g)	GT-6096	02/07/2024	01/07/2025
2	Condensing Economizer	NON-IBR			
3	12 TPH boiler	24.0 kg/cm <sup>2</sup> (g)	GT-8810	19/06/2024	18/06/2025
4	Condensing Economizer	NON-IBR			
5	10 TPH boiler	17.5 kg/cm <sup>2</sup> (g)	GT-9854	16/10/2024	15/10/2025
6	15 TPH boiler #1	24.0 kg/cm <sup>2</sup> (g)	GT-9778	17/10/2024	16/07/2025
7	Condensing Economizer	NON-IBR			
8	15 TPH boiler #2	24.0 kg/cm <sup>2</sup> (g)	GT-10394	18/09/2024	17/09/2025
9	Condensing Economizer	NON-IBR			
10	15 TPH boiler #3	24.0 kg/cm <sup>2</sup> (g)	GT-10395	21/08/2024	20/08/2025
11	Condensing Economizer	NON-IBR			

Duration: 3 to 4 days and involvement of at least 4 dedicated persons for complete the job.

Scope of work

### Smoke side cleaning

1. Opening of boiler front door.
2. Removal of burner (if required)
3. Removal of all spirals
4. Cleaning of all the tubes by wire brush manually, followed by air cleaning
5. Removal of dirt/ash from all sides, collecting and throwing to the designated disposal area
6. Assist in boiler open and hydraulic inspection
7. Insert spiral back to the boiler after inspection (within 24 hours of inspection)
8. Closing of front door
9. Refitting of burner if opened.
10. Clean the smoke side by High pressure water jet with adequate size of pressure gauge mounting on jet machine.
11. Obtain work permit for attending cleaning in confined space for workers
12. Check Oxygen level in confined space before entering
13. Use of only 24V AC Lamp in confined space for illumination / inside inspection purpose

### Note:

- 1) Cleaning to be witnessed by AFD Engineer, followed by boiler inspector
- 2) There are no spirals in 12 TPH Boiler, 15 TPH Boiler and all economizers

### Water side cleaning

1. Opening the Main hole door # by contractor
2. Chemical putting inside the Boiler shell from main hole.
3. Increasing the boiler pressure to 3-4 kg/cm<sup>2</sup> & holding for 24 Hrs- by AFD
4. Drain the chemical solution (Kindly note that advance information will be issue to contractor about our cleaning program.
5. He has to assure the maintaining cleaning program once finalized)
6. Opened the mud hole and main hole for cleaning and other mountings and accessories.

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7. Clean the chemical solution by flushing with water for 2~3 times.
8. Clean the water tubes by wire brush & scrapper manually.
9. Clean the waterside by High pressure water jet with adequate size of pressure gauge mounting on jet machine.
10. Jet machine shall have ELCB
11. Must use of PPEs (Personal Protective Equipment) such as Hand gloves, safety helmets, safety goggles, safety shoes

**Note:**

Cleaning to be witnessed & satisfactory level of AmulFed Dairy's Engineer, followed by Boiler Inspector

12. IBR Related boiler mountings and accessories
13. Opening of all mountings and accessories from the boiler
14. Opening Fusible plugs (two numbers) and keep them in safe hands.
15. Apply dummy in place of fusible plugs
16. To take the seat by lapping for all mountings and accessories if requires
17. To prepare & keep ready all the IBR related parts for inspection
18. To provide the Blind flanges if required
19. Removal of necessary piping of gas line, Furnace oil line and other piping
20. To open all measuring and controlling instruments for cleaning and inspection
21. To open the necessary tubing connected to the boiler accessories and mountings
22. To do the maintenance if require for all mounting, fitting and accessories
23. To take the hydro test individual of all mountings and accessories before refitting.
24. Refitting all the mountings and accessories on the boiler for the final inspections
25. To take the boiler hydro test before the inspector inspect the boiler
26. Preparation for the open inspection
27. Boiler front door refractory work if required
28. During the job insulation removal and re-insulation to be done as per requirement
29. Refitting all the necessary equipment for the normal operation of boiler by cutting and applying appropriate size of gaskets where necessary.
30. Removal of dummy and refitting of fusible plugs previously removed
31. After taking boiler pressure at 5 kg/cm<sup>2</sup>, hot tightening procedure followed.

**ECONOMISER and CONDENSING ECONOMISER Cleaning**

1. Open the doors of economizer and condensing economiser
2. Clean the outside of flue gas tubes by wire brush/pressure jet, Apply appropriate size of pressure gauge
3. Clean inside of water tube by acid circulation
4. Final closes the doors after cleaning activity
5. Use of only 24V AC Lamp for illumination/inside inspection purpose.
6. Must use of PPEs (Personal Protective Equipment) such as Hand gloves, safety helmets, safety goggles, safety shoes

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**Note:**

Maintenance and hydro test to be witnessed & satisfactory of AmulFed Dairy's Engineer, followed by Boiler Inspector.

7. Boiler accessories and mounting are mention into the Annexure-A for 10, 12 and 15 TPH boilers for your kind information only. IBR related all the items come into contractor scope.
8. IBR related welding for the boiler tubes work if required
  - 10 TPH IBR Boiler heating surface area 205 Sq. Mtr
  - 12 TPH IBR Boiler heating surface area 261.35 Sq. Mtr
  - 15 TPH IBR Boiler heating surface area 361 Sq. Mtr
  - 10 TPH IBR Economizer heating surface area 154 Sq. Mtr
  - 12 TPH IBR Economizer heating surface area 178 Sq. Mtr
  - 15 TPH IBR Economizer heating surface area 157 Sq. Mtr
9. While the annual inspection if we find the tubes are in damage condition like cracking, puncher and any other damaged during the cleaning activities, replacement of tubes also is in your scope of work.
10. Removal of seal welding, collapsing expanding, removal of tube, cutting tube to the size, fitting of the tubes, expanding of the tubes, seal welding of the tubes.
11. AFD Scope of work
  - Consumable like Sulphatic acid, Boiler tubes, Wire brush, scrapper, emery paper, Water, Air, Electricity connection, spares of mountings and accessories will be supported from AFD.
  - AFD will bear only the charges towards govt. annual inspection fee.
12. Contractor Scope of work
13. All tools and tackles like Pneumatic grinder, welding rods, requirements & arrangements for the tube replacements and anything, other than the mentioned above and skilled manpower etc. are to be arranged by Contractor.
14. Consumable list, which are, require during the annual inspection and maintenance before two months of job start by Contractor.
  - Rest all the expenses like visiting, travelling, handling etc, are to be bear by Contractor.
  - Besides MDG scope of work, other works directly comes into the contractor scope.
  - Arrangement of Inspector's travelling and other facility required to be arranged by contractor
  - Contractor must complete the job before the mention time limit in any case.
15. Tube replacement job if required while the annual inspection and cleaning activities as per IBR regulation and requirements by contractor

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## Annexure-1.1

No	Description	Size	Quantity
01	Non return valve	4"	01
02	Air vent isolation valve	1 ½"	01
03	Feed check valve	1 ½"	01
04	Blow down valve	1 ½"	01
05	Safety Valve	1 ½"	01
06	Mobery unit isolation valve	1"	02
07	Water transmitter isolation valve	1"	02
08	Niddle valves	½"	04
09	Gauge glass cock	½"	04
10	Mobery drain isolation valve	½"	01
11	Gauge glass header isolation valve	½"	01
12	Pressure gauge & switch isolation valves	½"	04
13	Feed water line isolation valves	1 ½"	05
14	Feed water line non-return valves	1 ½"	02
15	Fusible Plug		01
16	Man Hole		01
17	Mud Hole		01

## Annexure-1.2

No	Description	Size	Quantity
01	Steam stop valve	6"	01
02	Non return valve	6"	01
03	Air vent isolation valve	1"	01
04	Feed check valve	2"	01
05	Blow down valve	1 ½"	01
06	Safety Valve	1 ½"	02
07	Mobery unit isolation valve	1"	02
08	Gauge glass cock	½"	04
09	Mobery drain isolation valve	½"	01
10	Pressure gauge & switch isolation valves	½"	02
11	Feed water line isolation valves	3"	05
12	Feed water line non-return valves	1 ½"	02
13	Man Hole		01
14	Mud Hole		02
15	Hand hole		04



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## **2) Scope of work for Boiler feed line**

❖ **ALL IBR formalities are to be performed by vendor.**

### **A. Dismantling work:**

**Dismantling a feed water pipe of 10TPH boiler**

**Total length: 2" diameter \* 40meters approx.**

#### **Pre-Dismantling Activities**

##### **1. Risk assessment and method statement:**

a. Conduct a Through risk assessment and develop a method statement outlining the dismantling procedure, potential hazards, and necessary safety measures.

##### **2. Notification and permits:**

a. Notify relevant authorities, obtain necessary permits and ensure compliance with local regulations.

##### **3. Isolation and shutdown:**

a. Isolate the feed water pumps, feed water lines to prevent water ingress.

##### **4. Safety precautions:**

a. Establish safety zones, install warning signs, and ensure adequate lighting.

#### **Dismantling Activities:**

##### **1. Access preparation:**

a. Ensure safe access to the piping, including scaffolding, ladders or aerial lifts as necessary.

##### **2. Pipe preparation:**

a. Remove any insulation, lagging or other coverings to expose the feed water pipe.

##### **3. Support removal:**

a. Support structures, such as pipe racks, hangers or brackets.

##### **4. Pipe dismantling:**

a. Dismantle the feed water pipe, using appropriate tools and techniques, taking care avoid damage to surrounding equipment or structures.

##### **5. Component removal:**

a. Remove any associated components, such as valves, Fittings or instruments.

#### **Post-dismantling Activities.**

##### **1. Debris removal:**

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- a. Remove all debris, including pipe sections, fittings, and other materials.
- 2. Area cleaning:**
  - a. Clean the area, removing any spills, residue or other hazards.
- 3. Safety inspections:**
  - a. Conduct a final safety inspection to ensure the area is safe for re-occupation.
- 4. Documentation:**
  - a. Document the dismantling process, including before-and-after photos and update relevant records.

## **Safety consideration**

- 1. Personal protective equipment (PPE):**
  - a. Ensure all personnel involved wear appropriate PPE, including hard hats, safety glasses, gloves, and fall protection gear.
- 2. Fall protection:**
  - a. Implement fall protection measures, such as safety nets, guardrails or fall arrest systems.
- 3. Hot work permits:**
  - a. Obtain hot work permits, if necessary and ensure compliance with relevant regulations.

## **B. Fabrication and Fitting (as per IBR Guidelines):**

### **Fabrication Scope:**

- 1. Material Procurement:**
  - a. Procure Feed water line materials (e.g. pipes, fittings, flanges etc.) as per IBR requirements and approved specifications. (In scope of AFD)
- 2. Pipe fabrication:**
  - a. Fabricate the feed water line as per approved drawings and IBR requirements.
- 3. Fitting and fabrication:**
  - a. Fabricate fittings (e.g. elbows, Tees, reducers etc.) as per approved drawings and IBR requirements.
- 4. Welding:**
  - a. Perform welding as per IBR requirements and approved welding procedures.

### **Fitting Scope:**

- 1. Site Preparation:**
  - a. Prepare the site for fitting including cleaning and aligning the existing piping.



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2. **Fitting installation:**
  - a. Install the Fabricated feed water line including pipes and fittings as per approved drawings and IBR requirements.
3. **Welding:**
  - a. Perform welding as per IBR requirements and approved welding procedures.
4. **Pressure testing:**
  - a. Perform pressure testing as per IBR requirements and approved procedures.

## **IBR Formality scope:**

1. **Design approval:**
  - a. Obtain design approval from IBR authorities for the feed water lines.
2. **Material inspection:**
  - a. Conduct material inspection as per IBR requirement.
3. **Welding procedure qualification:**
  - a. Qualify welding procedure as per IBR requirements.
4. **Welder qualification:**
  - a. Qualify welder as per IBR requirements.
5. **Inspection and testing:**
  - a. Conduct inspection and testing as per IBR requirements.
6. **Certification:**
  - a. Obtain certification from IBR authorities for the fabricated and fitted feed water line.

## **Documentation scope:**

1. **Fabrication records:**
  - a. Maintain fabrication records including material inspection and welding.
2. **Fitting records:**
  - a. Maintain fitting records including installation and welding.
3. **IBR documentation:**
  - a. Maintain IBR documentation including design approval, material inspection, welding procedure qualification, welder qualification, inspection, testing records.
4. **Certification records:**
  - a. Maintain certification records including IBR certification for the fabricated and fitted feed water line.

## **Safety scope:**

1. **Safety Planning:**
  - a. Develop a safety plan for the fabrication and fitting work.
2. **Personal protective equipment (PPE):**
  - a. Ensure all personal involved wear appropriate PPE, including hard hats, safety glasses, gloves, and fall protection gear.

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3. **Safety training:**
  - a. Provide safety training to personnel involve in the fabrication and fitting work.
4. **Emergency response planning:**
  - a. Develop an emergency response plan for the fabrication and fitting works.

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3) **Subject: Scope of work for Fabrication, fitting and necessary IBR approvals for Auto blow-down assembly and its piping up to flash vessel for 3 number of boilers.**

❖ **ALL IBR formalities are to be performed by vendor.**

## **Scope of Work**

### **1. Fabrication and Fitting of Auto Blow-down Valve assembly**

- a. Fabricate and fit the auto blow-down valve assembly to the boiler, ensuring proper alignment and secure mounting.
- b. Ensure the valve is compatible with the boiler's operating conditions (temperature, pressure, and fluid type).

### **2. Piping Fabrication and Installation**

- a. Fabricate and install the piping from the boiler to the flash vessel.
  - i. Pipe material (e.g., carbon steel).
  - ii. Pipe size and schedule.
  - iii. Fittings (e.g., elbows, tees, reducers).
  - iv. Valves (e.g., isolation, control).
- b. Ensure piping is designed and installed to withstand operating conditions (temperature, pressure, and fluid type).

### **3. Connection to Flash Vessel**

- a. Connect the piping to the flash vessel, ensuring a secure and leak-tight connection.
- b. Ensure the connection is compatible with the flash vessel's operating conditions (temperature, pressure, and fluid type).

### **4. IBR Formalities**

- **Design approval:**
  - Obtain design approval from IBR authorities for the Auto blow-down assembly fitting and piping upto flash vessel.
- **Material inspection:**
  - Conduct material inspection as per IBR requirement.
- **Welding procedure qualification:**
  - Qualify welding procedure as per IBR requirements.
- **Welder qualification:**
  - Qualify welder as per IBR requirements.
- **Inspection and testing:**
  - Conduct inspection and testing as per IBR requirements.
- **Certification:**



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- Obtain certification from IBR authorities for Auto blow-down assembly fitting and piping upto flash vessel.

## **5. Testing and Commissioning**

- a. Perform hydrostatic testing of the piping system to ensure integrity and leak-tightness.
- b. Conduct functional testing of the auto blow-down valve and piping system to ensure proper operation and performance.
- c. Commission the system, ensuring proper operation and performance.

## **6. Assumptions and Exclusions**

- a. The scope of work assumes that the boiler and flash vessel are existing and properly installed.

## **7. Acceptance Criteria**

- a. The auto blow-down valve and piping system shall be installed in accordance with IBR regulations and guidelines.
- b. The system shall be tested and commissioned to ensure proper operation and performance.
- c. The installation shall comply with all relevant safety and regulatory requirements.

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**On Letter Head of Vendor / Customer.**

To,  
General Manager  
AmulFed Dairy (A Unit of GCMMF Ltd.)  
Village:- Bhat,  
Near Indira Bridge,  
Gandhinagar-382 428

Dear Sir,

**Sub : Fund Transfer Payments.**

I/we request and authorise you to effect Fund Transfer Payment to my / our Bank account as per the details given below (Please map our account in your SAP):

Vendor Name:- : \_\_\_\_\_  
Vendor Code : \_\_\_\_\_  
Bank Account Name : \_\_\_\_\_  
Bank Account Number : \_\_\_\_\_  
Branch Name & Address of Bank: \_\_\_\_\_  
Email Id : \_\_\_\_\_  
Permanent A/c Number (PAN) : \_\_\_\_\_  
Name of the Auth signatory : \_\_\_\_\_  
Contact Person : \_\_\_\_\_  
Contact Number : \_\_\_\_\_  
IFSC code : \_\_\_\_\_  
MICR Code : \_\_\_\_\_  
Type of Account : Savings / Current / Cash Credit

I, hereby declare that the particulars given above are correct. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the user institution responsible. I hereby authorise Bank ( as mentioned above) to credit my above mentioned account with the amount of instalment and I agree to discharge the responsibility expected of me as a participant under the scheme.

Date: \_\_\_\_\_

Signature of Account Holder (s)

- Mandatory fields -cannot be left blank.
  - Kindly attach a blank cancelled cheque with this mandate form.

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**Bankers Attestation -**

**CERTIFIED THAT THE PARTICULARS FURNISHED ABOVE ARE CORRECT AS PER OUR RECORDS.**

BANK STAMP

DATE : \_\_\_\_\_

\_\_\_\_\_  
SIGNATURE OF BANK OFFICIAL