



# AMULFED DAIRY

A UNIT OF GUJARAT CO-OPERATIVE MILK MARKETING FEDERATION LIMITED  
**PURCHASE ENQUIRY**

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| <b>Inquiry No</b>  | : AFD/PUR/PKS/ENQ/FAV, Dated: Aug 7, 2018                                                 |
| <b>Description</b> | : Purchase Inquiry for Design, Supply, installation and commissioning of FAV unit at AFD. |
| <b>Qty</b>         | : As per Annexure -I.                                                                     |
| <b>Due Date</b>    | : 16 <sup>th</sup> Aug, 2018                                                              |

Dear Sir,

You are requested to give your most competitive rates for Design, supply, installation and commissioning of FAV System for AmulFed Dairy at Gandhinagar with all the accessories required, as per the annexure attached herewith:

The offer should reach, Mother Dairy (A Unit Of Gujarat Co - Operative Milk Marketing Federation Limited.) Plot No. - 35, Near Indira Bridge, Ahmedabad - Gandhinagar Highway, Village: Bhat, Dist.: Gandhinagar. Pin No.382 428.

- The offer should be sent in sealed cover super scribing on the top left hand corner offer for inquiry No. AFD/PUR/PKS/ENQ/FAV dtd. 7/8/2018. Offer received after due date for whatsoever reason may be rejected.
- Your offer should be sent through Post/Courier/mail & not by Fax or personally.
- Offer should be valid for acceptance, for 60 days from due date of submission of offer.
- The price should be quoted on F.O.R basis inclusive of packing and forwarding, taxes, excise duties, freight etc. However if it is separate, it should be clearly mentioned in the quotation as per the attached annexure.
- It should cover a warranty of at least one-year against manufacturing defect from commissioning of the plant.
- Realistic earliest delivery period should be indicated.
- It is not binding on us to accept lowest offer.
- Right to reject any or all the offers without assigning any reason is reserved by us.
- Offer which are incomplete or not meeting the conditions or only for part items, are 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.
- Payment terms with 30 days credit shall be preferred.
- We are an ISO 14001 certified unit. We follow Eco- friendly processes in our factory & also expect same to be followed in your company.
- Contact detail: Mr. Palak Shah, Mail: [palak.shah@amul.coop](mailto:palak.shah@amul.coop), Mob: 7359001666

**Amul SAGAR**

Plot No. 35, Nr. India Bridge, Ahmedabad – Gandhinagar Highway, Village: Bhat, Dist.: Gandhinagar, PIN 382 428  
Tel. No.: (079) 23969055 – 58, Fax No.: (079) 23969059  
Website: [www.amul.com](http://www.amul.com)



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## Annexure-I

### Technical Specifications for FAV Unit:

#### Scope of Work:

Scope of work covers replacement of Old FAV Unit with New FAV Unit supply, unloading, erection, testing and commissioning of FAV (Air Washer) system at AmulFED Dairy, Gandhinagar. All arrangements for lifting tools & tackles for unloading and installation shall be in the scope of supplier.

Broad technical specifications of work are as under:

#### Technical Specifications:

| Sr. No. | Particulars                                        | APS FM Area                     |
|---------|----------------------------------------------------|---------------------------------|
| 1       | Supply Air Quantity CFM                            | 22000                           |
| 2       | No. Of FAV (Air Washer)Units                       | 22000 x 1                       |
| 3       | Supply Air Temperature in peak summer °C at grills | 28                              |
| 4       | Air Control Dampers                                | Aluminium at required locations |

#### FAV (Air Washer) Unit Technical Specifications:

| Sr. No. | Particulars           | Specifications                                                                                                                                                                                       |
|---------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Fan Type              | Backward Curved and plug type Fan                                                                                                                                                                    |
| 2       | Fan Make              | Kruger/Nicotra                                                                                                                                                                                       |
| 3       | Fan Static Pressure   | 50 mm WC                                                                                                                                                                                             |
| 4       | Fan Motor Make        | Siemens/CGL/ABB/Bharat Bijlee with IE3 rating                                                                                                                                                        |
| 5       | Unit Framing          | Extruded Aluminium                                                                                                                                                                                   |
| 6       | Type of Unit          | Double skinned with 25 mm thick 40 Kg density PUF injected panel, 0.8 mm GI powder coated sheets on outer side and SS 304 0.8mm thick on inner walls as well as floor and all fittings should be SS. |
| 7       | Water Tank            | SS 304 18guage                                                                                                                                                                                       |
| 8       | Water Pump            | Centrifugal type, Kirloskar/Equivalent make                                                                                                                                                          |
| 9       | Pre-filters           | 10 Microns, washable type, with SS nut-bolts and maximum terminal velocity of 500 FPM. Additional Nylon cloth should be provided before filter with proper fittings.SS structure Frame for Filters.  |
| 10      | Cell Pad              | Munters make with 300 mm thickness split in two cell pads                                                                                                                                            |
| 11      | Saturation efficiency | Minimum 90%                                                                                                                                                                                          |
| 12      | Drift Eliminator      | 4 Pass PVC Eliminator                                                                                                                                                                                |

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- All electrical and civil work shall be done by AmulFED Dairy. However, anchoring work for support fixing shall be done by supplier.
- Rates should include cost of nuts, bolts, gaskets and other such miscellaneous items, including fabrication and fixing of supports.
- Bidder shall also quote for one year AMC of the system after the guarantee period.
- Before submission of offer, bidder must visit the site and understand the exact system requirements as well as site conditions.

## Office, Store and Security

AFD shall not provide any office space or store. Bidder has to make his own arrangement with INSTA CABIN (Containerized Office and Store) near to proposed location, if required. No Shanties will be allowed to be built-up in Dairy premises. Bidder has to provide own security round the clock for safety of your materials.

## Protection of Environment

Bidder shall store the material at site and carry out the work in such a manner that environment and green belt is not endangered. All construction/fabrication debris shall be shifted from site as soon as possible at the place and in the manner directed by the Engineer in Charge from AFD.

## Safety

Special importance shall be given to Safety of persons engaged at site during the execution of work. The contractor shall abide by all rules and regulations in force to ensure workplace safety, including obtaining the labour license, taking site safety permission etc.

Labour license must be taken if numbers of person working at site exceeds 9 as per factory act.

System design shall also be done in such a manner so as to ensure safety of personnel operating and maintaining the equipments.

## Turnkey responsibilities

The scope of work covers supply, unloading, project management, erection, testing, commissioning and putting into successful operation of all equipments and achieving the intended performance of complete system.

Bidder should also consider activities like transit insurance, unloading, storage at site, workmen insurance, assembly, erection, regular inspection, pre-commissioning checks, obtaining statutory

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clearance, furnishing skilled/unskilled labors during work as well as commissioning etc. under the scope of work.

## **Tools and Tackles**

All special tools and tackles like chain pulley block, Cranes etc. required for erection of equipments shall be included in the scope of supplier.

## **Warranty Period**

All the equipments and systems shall be warranted for intended performance for a period of 12 months from the date of hand over. This warranty shall be further extended for a period of 12 months in case any correction is required during the warranty period.

## **Time Frame:**

Successful bidder shall visit the site within a week of receipt of PO and finalize the drawings. Material shall be supplied within 4 weeks and the entire work shall be completed within maximum time frame of 6 weeks from the date of approval of drawings.

AFD reserves the right to consider the offer either in whole or in parts.

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