



AMULFED DAIRY

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

Inquiry No : AFD: PUR: ENQ: 2022:621, Dated: 12th Sep, 2022
Description : Purchase of settling system to be procured for 700 KLD water recycling project.
Qty : 1 Nos.

Last Date for vendor registration in our Purchase Portal: 19.10.2022 before 4:00 PM

Last date for submission of Commercial bid: 22.10.2022 before 4:00 PM

Dear Sir,

You are requested to give your most competitive rates for submit techno commercial proposal for settling system to be procured for 700 KLD water recycling project:

Procedure to participate in above inquiry:

- 1) 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, than you have to login to your account and request AFD to send RFQ).
- 2) Interested bidders have to registered your firm in our Purchase portal .
 - a. Website for our portal is as >>>: <http://afdpurchase.amul.in/>
 - b. Click Here for Circular from AFD : [Click Here](#) for circular
- 3) Click Below links for Guidelines :
 1. [Guide for VRF - Other than MANUFACTURERS](#)
 2. [Guide for VRF - MANUFACTURERS](#)
- 4) Offer through mail/hardcopy are not accepted and stand for rejection, your competitive bids should be submitted through our online portal only.
- 5) Detail technical specification is as below for your reference.
- 6) Interested bidders have to submit their technical specification/detail first, after technical evaluation/approval based on the below requirement, bidders will invited for submission of commercial bid.
- 7) For any query please contact Mr. Palak Shah (Mobile-7359001666, [E-Mail-
palak.shah@amul.coop](mailto:palak.shah@amul.coop))

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



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Background:

AmulFed Dairy, Gandhinagar (AFD) is manufacturing unit of Gujarat Cooperative Milk Marketing Federation Ltd (GCMMF) having peak milk handling capacity of 5000 KLD. Range of manufactured products include pouch milk, aseptic long life milk, curd, buttermilk, flavored milk, butter, ghee and ice cream. The plant is situated near Indira Bridge on Ahmedabad Gandhinagar Highway.

Water conservation has been the focus area in the plant. To further optimize the fresh water consumption, AFD has worked out treated waste water recycling system from Secondary Clarifier through settling system, UF and RO.

Scope of Work:

Scope of work covers supply and installation of settling system for removal of suspended solids, COD, BOD, FOG and turbidity.

Inlet and Outlet Parameters are as under:

Sr. No.	Particulars	Specifications	
		Inlet	Outlet
1	Effluent flow	48 m ³ /hr	48 m ³ /hr
2	pH	6.5-8.5	6.5-8.5
3	TSS	150 mg/L	30 mg/L
4	Oil & Grease	10 mg/L	5 mg/L
5	Turbidity	100 NTU	20 NTU
6	COD	100 mg/L	70 mg/L
7	BOD	30 mg/L	20 mg/L
8	TDS	2100 mg/L	2100 mg/L

Specifications of major units are as under:

Sr. No.	Particulars	Specifications
1	Type	Diffused Air Floatation
2	Nos.	01
3	MOC of wetted parts	MSEP/MSFRP
4	MOC of non-wetted parts	MSEP/MSFRP
5	Nos. of mixing tube	1 with SS 304 MOC
6	Sediment discharge	Automatic
7	Accessories	All accessories as per requirement eg. Recycle pump (1W+1SB), revolving carriage, intake distribution pipe,

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		clarified water discharge pipe, level control, spiral scoop, bottom scrapper, drive motors and gear boxes, air rota meter, valves, pressure gauges, timers to control the frequency of purge etc.
8	Operational spares	one set of wheels
9	Coagulant dosing	Through dosing pump (1W+1S), 2 Nos. dosing tanks of 500 L each with agitator
10	Poly dosing	Through dosing pump (1W+1S), 2 Nos. dosing tanks of 500 L each with agitator
11	Flocculation system	Pipe flocculator

Civil Work:

All civil work (mainly foundations) shall be carried out by client (AFD). Load details shall be provided by bidder.

Mechanical Work:

1. Installation and commissioning of DAF system including lifting and shifting required for installation. Internal piping shall be done by AFD. Installation will be done at about 2.5 meter height from ground level.

Electrical work

1. Main electrical power for all accessories shall be provided by AFD.
2. Control cabling shall be done by client as per requirement.

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