



AMULFED DAIRY

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

Inquiry No : **AFD/PUR/PKS/ENQ/JWS/1, Sep 29, 2018**

Description : **Purchase Inquiry for Supply Installation and commissioning of Jaw Cooling System for Tetra Pak Machine at Ghee Section.**

Qty : **1 Set.**

Due Date : **18th Oct , 2018**

Dear Sir,

You are requested to give your most competitive rates for supply, installation and commissioning of Jaw Cooling System for TPK at Ghee Section as per the attached specification/ requirement at AFD, Gandhinagar, mentioned in the attached annexure.

1. The offer should reach, AmulFed 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.
2. The offer should be sent in sealed cover super scribing on the top left hand corner offer for inquiry No. AFD/PUR/PKS/ENQ/JWS/1 dtd. 29/09/2018. Offer received after due date for whatsoever reason may be rejected.
3. Your offer should be sent through Post/Courier.
4. Offer should be valid for acceptance, for 45 days from due date of submission of offer.
5. 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.
6. It should cover a warranty of at least one-year against manufacturing defect.
7. Realistic earliest delivery period should be indicated.
8. It is not binding on us to accept lowest offer.
9. Right to reject any or all the offers without assigning any reason is reserved by us.
10. Offer which are incomplete or not meeting the conditions or only for part items, are liable for rejections.
11. No queries regarding the status of the offer will be entertained at any time.
12. 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.
13. Payment terms with 30 days credit shall be preferred.
14. We are an ISO 14001 certified unit. We follow Eco- friendly processes in our factory & also expect same to be followed in your company.
15. For any query, you may contact Mr. Palak Shah, Purchase Department(07359001666),or mail: 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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Scope of Supply:

TECHNICAL SPECIFICATION & SCOPE OF SUPPLY

NO	DESCRIPTION	CAPACITY	QTY
1	FEED TANK Vertical, cylindrical in design, made of 2 mm thick SS 304 sheet polished to 160 grits complete with following accessories. - Top cover with connections and lifting handle - Level Switches; HL/ML/LL - Inlet and Outlet connections - SS Legs	150L	1 Nos.
2	S.S. WATER FEED PUMP Type: Centrifugal MOC: SS 304 Capacity: 2500lph Head: 45MWC Suction/Discharge: □51/ □38 Electrical connection: Standard TEFC 3 phase motor operated on 400/440V AC supply.	2500LPH 1NO	2500LPH 1NO
3	Flow Meter Model: Optiflux 4000 Make: KROHNE MARSHAL	STD	1
4	HEAT EXCHANGER -TUBULAR Water inlet temperature: 25 Deg C. Water outlet temperature: 15 Deg C. Utility chilled water inlet temperature: 2 deg C Utility chilled water flow rate: 7500LPH Shell and tube heat exchanger: The inside tubes for water flow will be of SS 316 corrugated seamless tubes and outer shell for glycol water will be fabricated of SS 304 pipe.	2500LPH	1NO
	CANTROL PANEL AND INSTRUMENTS It will be stainless steel box having following accessories:	STD 16 Amps Dia. 38 mm	1 LOT 1 No. 1 No.

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5.1 MCB for incoming power supply with Phase indicating Amps 5.2 MPCB contactor with power load relay for the water pump 5.3 Temp indicator/controller having 1 NO/NC potential free contact 5.4 3 ½" digital display 5.5 Pt-100 sensor (will be mounted on skid) 5.6 3/2 Pneumatic Solenoid Valve 5.7 Mini Series Air Regulator with pressure gauge 5.8 Pneumatically Operated ON/OFF valve for chilled water line 5.9 Pneumatically Operated ON/OFF valve will be provided at inlet of tank Panel will be pre-wired & Pre-piped.	Dia. 25 mm	1 No. 1 No. 1 No. 1 No. 1 No. 1 No.
VALVES AND FITTINGS: Manually operated butterfly valves will be provided for supply and FRV for regulating the flow. Unions and support will be provided All WATER contact parts will be of SS 304 ONLY	STD	1 LOT
SS PIPES AND FITTINGS One lot of SS 304 pipes and fittings will be provided to interconnect the process equipment's in this section.	STD	1 LOT
SS SKID The above process equipment's and tanks will be mounted on SS 304 skid.		
Flow 2000-2500 LPH Pressure Required: 3.5 to 4.5 Bar Required Outlet Water Temperature: 15-18°C Required THE for water cooling.		

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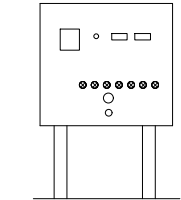
P & ID Enclosed herewith for your reference:

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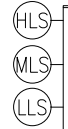
ø38
MAKEUP WATER
INLET AT 3 BAR
100LTR/BATCH

25NB Y TYPE
ON/OFF VALVE



CONTROL PANEL FOR
JAW COOLING SYSTEM

EMF BALANCE TANK
CAP.-150 Ltr., MOC-SS304



WATER SUPPLY PUMP
MOC-SS304 CAP-2500 LPH
45MWC, 5HP,

WATER INLET FROM
FILLING M/C

FRV

FRV

HEAT EXCHANGER
SHELL AND TUBE
CAP-2500 LPH
WATER CHILLER

ø38
25°C

15°C

REPL
SCOPE



FILLING MACHINE

3.5 TO 4.5 BAR
TO FILLING M/C
WATER OUTLET
ø38

ON/OFF VALVE
40NB Y TYPE

2°C, 7500LPH
CHW INLET AT

10°C, 7500LPH
CHW OUTLET

SCOPE
CUSTOMER

REV NO	DESCRIPTION	REV. BY & DT.	CHK. BY & DT.	APPD. BY & DT.

IF IN DOUBT ASK ALL DIMENSIONS ARE IN M.M. DO NOT SCALE