



AMULFED DAIRY

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

Inquiry No	: AFD/PUR/PKS/ENQ/FAV, Dated: Dec 23, 2016
Description	: Purchase Inquiry for Supply, Installation and Commissioning of FAV System at PFP Plant.
Qty	: 1 Set
Due Date	: 4 th Jan, 2017

Dear Sir,

You are requested to give your most competitive rates for supply & installation and commissioning of FAV system at Packaging Film Plant 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. 23/12/2016. Offer received after due date for whatsoever reason may be rejected.
- Your offer should be sent through Post or Courier & 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 two-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.
- GA drawing detailed fabrication drawing and Design calculation is to be submitted along with the offer. Approval from PFP-Mother dairy, Gandhinagar is to be taken before starting the Work.
- Site Address: Mother Dairy – Packaging Film Plant, K road, GIDC, Opp. Madhur Dairy, Gandhinagar- Dist: Gandhinagar
- For the site visit, we requested to all the interested bidders to take prior approval.
- Contact detail: Mr. Palak Shah, Mail: 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



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Annexure-I

Specification for FAV

Location: Cap machine room, PFP, Gandhinagar

General Specification:

- Injection moulding machine load 270 KW * 2 Nos.
- Minimum 25 Air changes require for room.
- System must be capable of providing at least 10 deg C difference than outside ambient in Rh lower than 60%.
- Approx 10 Nos. of Manpower working in room.
- Drawings attached for Room size.

Technical specification of FAV.

Technical Parameters Of ACU Outer Skin	24g Pre Coated G.I.
Inner Skin	24g Plain G.I.
Frame Work	Aluminium Extruded Profile With Injected Puf
Thickness Of Insulated Panels	25mm, Cfc Free Puff Injected (Density : 40 +/- 2 Kg./Cu.M)
Fan Motor Base Channel	Extruded Aluminium Profile
Material Of Latches & Hinges	Nylon
Unit Base	Ms Painted
Pre Filter Type	Pre Filter Flange Type
Media Of Filters	3 Layers Of Hdpe Mesh.
Pressure Drop Across Filter	Initial 3 Mm Wg; Final 09 Mm Wg
Efficiency Of Filters	95% Down To 10 M
Filter Make	Specify
Cell Pad Section Make Of Cell Pad	Munters/ Equivalent
Evaporation System	Cell Pad 300 Mm Thick
Spray System	Gi B Class Pipe With Necessary Valves And Ss Strainers
Air Washer Sump	Ss 1.6 Mm Thick.
Eliminator	4 Pass Pvc
Make Of Pump	Kirloskar / Eq.
Fan And Motor Fan Make	Kruger/Eq.
Type Of Fan	Centrifugal Didw (Statically And Dynamically Balanced)
Make Of Motor	Crompton Or Equ.

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Type Of Motor	Tefc, 3 – Phase, 415 V, 50 Hz, Eff-1, Ip55
Accessories	Fan & Motor Pulley Shall Be Taper Lock, View Glass, Anti - Vibration Isolator, Canvass Connection And Belt.
Dampers Description	Manually Operated Opposed Blade Type Volume Control Damper Having Al. Body And Blade With Nylon Bush, M.S. Handle & Linkage.
Damper Make	Specify
Static Pressure	More Than 50mm Of Wg
Fan Detail	
Fan Model	Specify
Fan Type	Backward Curved
Speed	Less Than 1000 Rpm
Qty.	1 Nos.
Motor Detail	
Rating	Specify
H.P. / Pole	Specify/ 4p
Qty.	1 Nos.
Filter Detail	
Area	Minimum 100 Sq. Ft.
Filter	10 Micron
Cel Pad Details	
Area	Minimum 100 Sq. Ft.
Thickness	300 Mm
Water Circulation Pump Details	
Pump Type	Submersible Type
Material Of Pump	Body S S 304 L
Make	Kirloskar /Eqv.
Electric Panel	
Electric Cable	Double Door Copper only

DOUBLE SKIN AIR HANDLING UNIT SHALL HAVE:

FRESH AIR Filter Section with Pre Filter 50 mm thick 10 micron filters. Cell pad Section with GI "B" class water piping with necessary valves and SS tank. Fan Section with 'KRUGER/OR EQ.'" make DIDW fan and 'CROMPTON' make motor. S.A. Plenum with S.A. Damper.

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GI DUCT:

Kindly note that the G I Ducting shall be made as per IS standard and same will be fabricate & assembled at site as well as at your assembly shop as per approved drawing / site requirement. **Air Ducts Made from GI Sheets as per IS specifications. The gauge will be as under.**

Maximum Duct Size	Gauge of Sheet	Thickness of Sheet
Up to 750 mm	24	0.63
751 mm to 1500 mm	22	0.80
1501 mm to 2250 mm	20	1.00

Quoted Rates are for complete job. i.e. to fabricate G I ducting along with all necessary ancillary items like Angle frame, Support, Rod and, Gasket and necessary Hardware and erection and installation at site with two coats of approved paints.

Conditions:

1. We will provide all the masonry and constructional work for placing air washer plant. All types of civil/structural works, constructional work, wall & slab openings/cut outs and closing/finishing of the same afterwards, grouting and equipments.
2. Concrete blocks, foundations, masonry/RCC wall for installing/supporting Humidification Plant equipment will be provided by us.
3. Supplier needs to provide all Electrical Switches, panels, starters, cabling, Cable Trays etc. for cooling Plant equipments up to 30 meters distance from cooling unit panels.
4. MCC panel will be double door weather proof, self standing near cooling Plants.
5. Ladders/stairs where required should be provide by supplier for heights above 2400 mm of operations.
6. Suppliers must provide makeup and drain pipe to and from the air washer unit as well as the piping set for supplying the required quantity of water to the air washer tank from source located 15meters away from cooling unit.
7. Rates must include on Trunkey basis including all : Supply, erection and installation at site (first floor) and subsequent commissioning at site.
8. FAV system must be capable of providing at-least 10 deg. Cent. Difference than outside ambient in RH lower than 60%.
9. Supplier is required to furnish all warranty certificates in original of brought our items.
10. Two sets of manual, Electrical circuit (as built) and spares catalogue to be submitted.

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Bill of Quantity

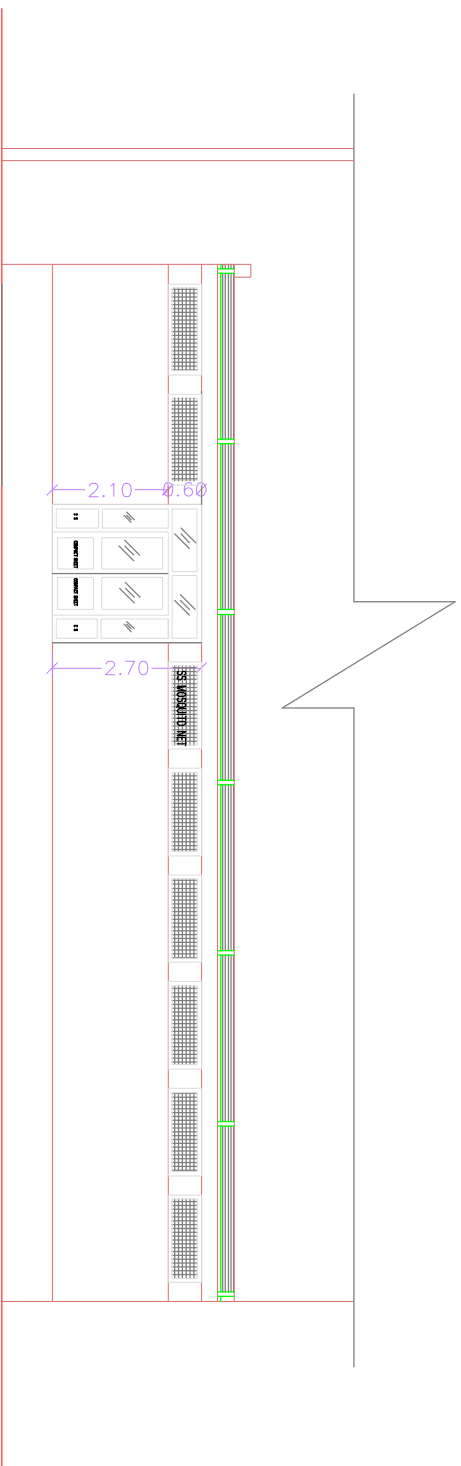
Sr. No.	Description	Qty	Unit Rate	Total
Annexure A				
1	Supply, installation, testing and commissioning of floor mounted double skin type air - cooling unit with thermal break profile, as per the above specification			
2	Exhaust Fans			
3	Main Power Distribution panel			
4	Local Push Button Station			
5	Cables, cable tray, supports			
6	GI Ducting Work			
	18 Gauge			
	20 Gauge			
	22 gauge			
	24 Gauge			
7	Aluminium Air Grills with diffuser			
8	Acoustic Insulation			
9	Other Accessories required			
10	Supply and erection of SA MS Grills Powder coated of size 2ft x 1 ft. for old plant			
11	Total			
12	Excise			
13	CST/VAT			
14	Freight charges			
15	Insurance			
16	Installation and commissioning charges (including service tax)			
	Total			

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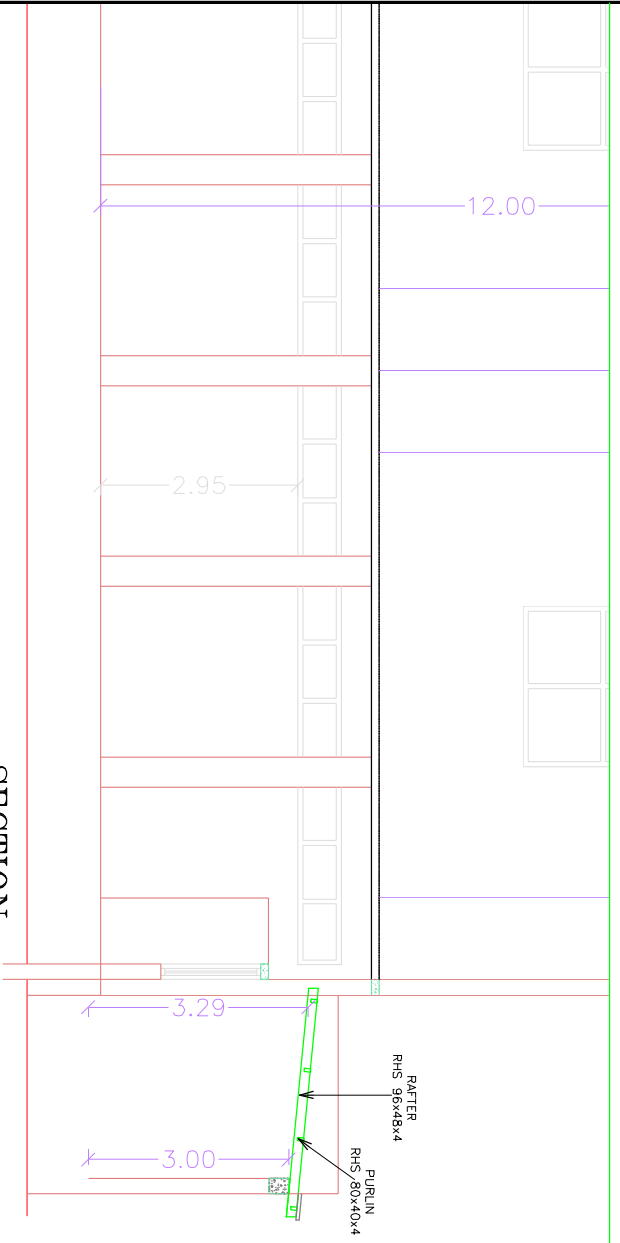
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ELEVATION



SECTION

Drng. No. :- Cap machine Dock covering.

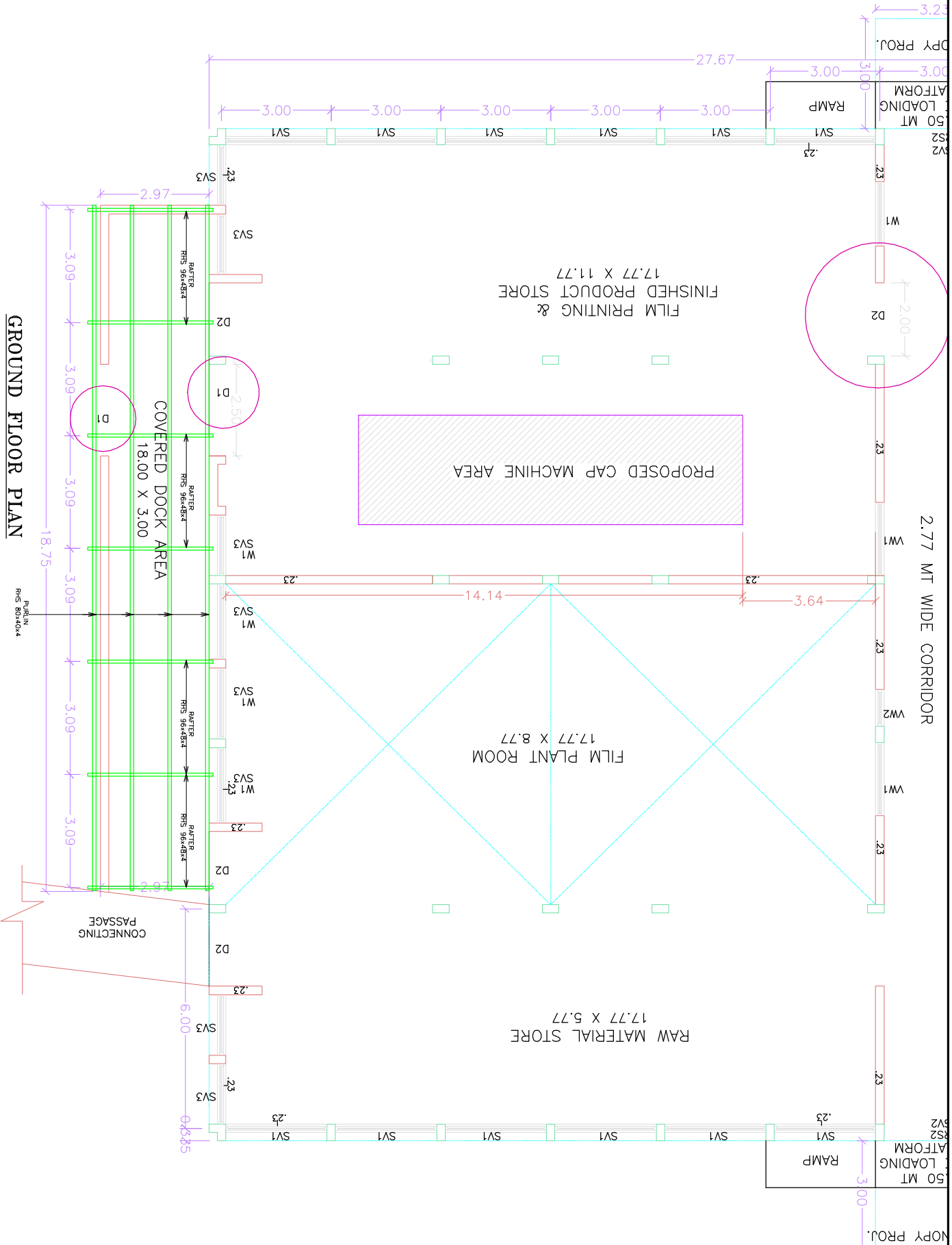
Drafted By	Date	Checked By	Approved By
Ashwin Patel	18-08-2015	Sh. P.K.Sarkar	

**Part Plan for Dock Covering at Cap
Machine Room Area.**



MOTHER DAIRY
A UNIT OF GUJARAT CO-OPERATIVE MILK MARKETING FEDERATION, LTD.
GANDHINAGAR

CIVIL DEPARTMENT



DRG. NO. :- Cap machine Dock covering.

Drafted By	Date	Checked By	Approved By
Ashwin Patel	18-08-2015	Sh. P.K.Sarkar	

GROUND FLOOR PLAN

Part Plan for Dock Covering at Cap Machine Room Area.

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 A UNIT OF GUJARAT CO-OPERATIVE MILK MARKETING FEDERATION LTD.
GANDHINAGAR
 CIVIL DEPARTMENT