

AmulFed Dairy

A UNIT OF GUJARAT CO-OPERATIVE MILK MARKETING FEDERATION LIMITED

(PREVIOUSLY KNOWN AS MOTHER DAIRY, GANDHINAGAR)

PURCHASE ENQUIRY

Inquiry No : AFD/PUR/PKS/ENQ/PI, Dated: Dec 30, 2017

Description : Purchase Inquiry for Supply, installation and commissioning of Lab Instruments for our Microbiology Laboratory.

Qty : As per Annexure -I.

Due Date : 7th Dec, 2018

Dear Sir,

You are requested to give your most competitive rates for Supply, Installation and Commissioning of Lab Instruments for our Microbiology Laboratory at AmulFed Dairy at Gandhinagar with all necessary accessories required, as per the annexure attached herewith:

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.

- The offer should be sent in sealed cover super scribing on the top left hand corner offer for inquiry No. AFD/PUR/PKS/ENQ/PI dtd. 30/12/2017. 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, 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

Sr No.	Instrument	No. of Qty (EA)	Technical specification
1	Incubators (BOD)	03	<ul style="list-style-type: none">✓ Capacity = 400 L/CuFt✓ Temp range: ambient +5°C to 70°C✓ Control accuracy: $\pm 0.1^{\circ}\text{C}$.✓ CE certified.✓ Shelves = 3 nos✓ Noise Leve: Less Than 65 db(A)✓ Temperature Variation Alarm: Set Temperature $\pm 2^{\circ}\text{C}$, Audio Visual Alarm✓ Door Open Alarm : Audio Visual Alarm in case door open for over one minute✓ Power Failure Alarm : Visual Alarm✓ software complying to 21 CFR part "Datasoft"™ 11 as per USFDA Guidelines✓ Battery Backup for Temperature Controller✓ Intelligent Controller helps maintain temperature in case of sensor failure✓ Data Stored in PC server with Lan connectivity and can be monitored on PC with password authentication✓ Reports in graphical and tabular form (Exl., PDF. Word etc.)✓ Alarm report with mention of alarm condition✓ Validation protocol with IQ, OQ, PQ Documentation✓ Sensor failure alarm✓ Electrical circuit breaker✓ Overload cut off relay for compressor✓ Time delay for compressor switch on✓ Microprocessor controller with LED display of Temperature with set, process value & audio visual alarm (standard)✓ CLS (Custom Logical Safe) control system with logical safety devices.✓ Digital PID Temperature Controller with Timer, alarms and auto tuning.✓ Unique design of thermal barrier for better energy efficiency✓ Powerful fan motor for forced air circulation to maintain uniform conditions inside chamber✓ Eye level door mounted Controller for easy access and monitoring.✓ Over temperature safety protection.(stabilizer)✓ Inner Chamber with rounded corners for easy cleaning & better performance.

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			<ul style="list-style-type: none"> ✓ Inner door - frameless - made of tempered safety glass. Single piece inner door panel eliminates crevices & reduces contamination problems. ✓ Inner Chamber with rounded corners for easy cleaning & better performance. ✓ Shelves - adjustable - made of stainless steel wire mesh. ✓ Inbuilt validation port - to avoid gasket damage during validation. ✓ Automatic chamber illumination when door is opened. ✓ Custom built Controller for BOD Incubator with data storage, Ethernet connectivity to central work station and PC software. ✓ GSM Mobile Alert for six Numbers ✓ Data logger for 8 Point temperature recording with sensor printer interface and software ✓ Standby Refrigeration System ✓ Validation (mapping) consist of one cycle for temperature at any one set point for 24 hours on empty and loaded condition ✓ Service available within 24 to 48 hrs. ✓ Spare parts should be easily available.
2	Hot air oven	1	<ul style="list-style-type: none"> ✓ Capacity: 250 L ✓ Shelves : 03 ✓ Temp range: +50°C to 200°C. ✓ Control accuracy: ±0.2°C. ✓ Forced convection design ensures a high level of control accuracy and uniformity. ✓ Automatic cut off of heater & blower when door opened. ✓ Digital PID temperature controller with timer, alarms and auto tuning. ✓ Non contact type door switch. ✓ Aero dynamic internal design for achieving horizontal air circulation. ✓ Seamless round cornered edge of internal chamber ensures easy cleaning & prevents any leakage. ✓ Supplied with stainless steel wire mesh shelves. Shelf height adjustable in 25mm steps. ✓ Service available within short time accordingly specify. ✓ Spare parts should be easily available. ✓

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3	Autoclave	1	<ul style="list-style-type: none"> ✓ Capacity :113 L ✓ PSI :15 ✓ CE certified. ✓ process status with each point ✓ F0 value for Sensor. ✓ Mfg as per ASME standard. ✓ Enables reproducibility of results as full cycle including purging of stale air, sterilizing hold time, cycle end with exhaust of pressure is automatic, requiring no human intervention. ✓ Widest options for documenting available: ✓ Heater interlocks pressure interlock. ✓ Independent over temperature cut-off. ✓ Independent scanning, displaying and printing to inbuilt printer ✓ Exclusive build in features like automatic water fill, multiple temperature sensors with control on all, power failure restore, wandering probe for load sensing & control, PC connectivity ✓ Wide range of applications wherein fast and assured sterilization is required. ✓ Unique single lever lock for lid with single hand opening. ✓ Conformance to National & International Standards. ✓ Microprocessor Based Control ensures repeatability & a high accuracy. ✓ Spring loaded safety valve for over pressure. ✓ Pressure interlock on door. - Independent Chart Recorder ✓ Supplied with Test Certificates & calibration reports along with traceability for Temperature Controller and Pressure Gauge. ✓ μProcessor based Controller with time and temperature programmable by user. ✓ A backlit alphanumeric two line 32 characters LCD display, displays all information including process and set values at a glance, eliminating guesswork. ✓ Operating and Display range up to 122°C (135°C for models #7423 & #7433) in 0.1°C resolution. ✓ Pt100 sensor, enabling precise monitoring. ✓ Low water level alarm and cut off. ✓ Service available within short time accordingly specify ✓ Spare parts should be easily available
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4	Deep freezer	1	<ul style="list-style-type: none"> ✓ Capacity: 100 L ✓ Temp range: -20C to -80 C. ✓ Control accuracy: should be mentioned. ✓ Low noise level ✓ Low heat dissipation. ✓ Insulated inner doors. ✓ Door key lock. ✓ Ergonomic loading.(Easy to use) ✓ 100 % HCFC/CFC free.(chloro fluoro carbon free) ✓ Micro processor controller with digital display ✓ Ambient temp display. ✓ Adustable high and low temp alarm. ✓ Power failure alarm. ✓ Instrument failure alarm. ✓ Open door alarm. ✓ All other safety related features. ✓ Service available within short time accordingly specify ✓ Spare parts should be easily available
5	Biosaftey cabinet	1	<ul style="list-style-type: none"> ✓ class two ✓ Size: 4.5'x2'x6'' Fully SS ✓ S.S –304 (Stainless Steel) Working surface with proper Stainless steel support from the bottom ✓ HEPA filter size 4'x 2'for supply having an efficiency of 99.97 % down to 0.3 micron. ✓ Exhaust HEPA Filter of required size. ✓ Pre –Filters with Synthetic and HDPE (High Density Poly-Ethylene) media. ✓ Dynamically balanced motor blower of required HP with proper CFM. ✓ Flexible Rexene connector for vibration free functioning. ✓ Zero leakage plenum design. ✓ 90 FPM face velocity +/-20%. ✓ Imported 0-10 mm Magnehelic manometer to mark the Plenum pressure. ✓ Additional plug point & operating switches. ✓ 3Ft Ordinary tube light fitting along with 18" Ultraviolet germicidal light. ✓ Front Polycarbonate panels in 5mm thickness with fix and movable. ✓ PVC tubing. ✓ Base supports with rectangular / square pipes on all the sides with firm bolting. ✓ Leveling legs of required capacity to maintain sturdiness. ✓ G.I Ducting with 5-6 Ft long ducts. ✓ Service available within short time

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			accordingly specify ✓ Spare parts should be easily available
6	Precision balance.	1	Readability 0.01 g Repeatability 0.01g Linearity 0.02 g Settling time 1.0 s Sensitivity temperature drift 3.0 ppm/°C Maximum weight 3 kg. ✓ Service available within short time accordingly specify Spare parts should be easily available

Note:

Above is the General requirement for the instruments.

In case of any emergency breakdown or maintenance the service engineer should be available within 24-48 hours for repairing .The spares should be arranged within 24-48 hours during the entire life of instrument.

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