

VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LIMITED

# PATNA DAIRY PROJECT

PHULWARISHARIF, PATNA 801505

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PDP :PUR: FBD 807

Dated. 02.05.24

Dear sir

We are interested for rate contract for supply of **milk Analyzer & Stirrer** as per enclosed specification . Your rate must be valid for one year **till 30.06.2025** Warranty of Analyzer must be 3 years. Your rate should be inclusive of installation / commission at DCS and F.O.R Our Dairy at Patna / Hajipur / Chhapra / Biharsharif / Balia etc.

Our payment terms is 90% on installation at DCS and 10% on performance Bank Guarantee of 3 year . If you are interested for ARC kindly submit your rate **latest by 18.05.24** in sealed envelop superscribing ARC for Analyzer and our enquiry no. & date.

Thanking you

Yours faithfully

  
Manager (MM)

## ULTRASONIC MILK ANALYZER

Technical Specification shall be as below:

**Functional Requirement:** To test & display Fat, SNF & added water in milk electronically.

**Measuring Parameters :**

**Fat** - From 1.5% to 12 % with accuracy  $\pm 0.1\%$

**SNF** - from 6% to 12% with accuracy  $\pm 0.2\%$

**Added Water** - Accuracy  $\pm 5\%$ .

**Measuring Cycle** - Maximum 45 Sec per sample.

**Average Speed** - Minimum 70 Samples /hr.

**Display** - 2 line, 16 Character, Big LCD Display with minimum 06 mm Character height.

**Operation facilities:** Single channel testing & single calibration curve for all milk calibration. It shall have capable of secured calibration protection through any external device (Not Password). It shall have in-built storage to store history, error list, calibration & cleaning data, and the same data shall be exported. Milk Analyzer shall not operate without cleaning and shall request for cleaning if it is not been operated for a period of time (i.e. 15 mins or 30 mins) in order to safeguard the sensor and PCB.

**Operating Voltage:** 12 Volts DC  $\pm 8\%$

**Interface:** RS232

**Environmental Conditions:-**

- Ambient air temp - 8 to 35 degree C.
- Relative Humidity : 30 to 80% .
- Milk temperature : 5 to 35 degree C.

**Loose Accessories:**

- RS232 Serial cable - 01 no.
- Measuring Mug : 2 Nos.
- Operating Manual (English/ Hindi version ) – 01 no.
- Cleaning Solutions – 1 no. of each type (Monthly / Weekly / Daily)

## **ULTRASONIC STIRRER**

**Functional requirement:** Shall be used to remove air bubbles from milk before testing.

**Type:** Table top type

**Operating Voltage:** 12 Volt DC +/-8%

**Type & MOC of stirrer:** Ball type of Food Grade materials.

**Timer:** 1 - 99 sec Selectable

**Environment:** Suitable for dusty /humid village environment operating temp. 5 to 70 degree C

**Connecting cables:** minimum 1.5 power cable with plug top

**Power Consumption:** Max 80 Watts

The entire unit shall be under warranty for 3 years. The units supplied under this bid shall remain in working condition till completion of warranty period.

**Note:** Priority will be given to Original Equipment Manufacturers (OEM).