

TENDER NOTICE

Sealed Tender offers are invited for supply, installation & Commissioning of Gas Chromatography Based Non Milk Fat Analyzer Machine. Terms & conditions & specifications of this analyzer is available at our office & on our website www.gokulmilk.coop . Tender offer in a sealed cover duly marked as **'TENDER FOR GAS CHROMATOGRAPHY BASED NON MILK FAT ANALYZER MACHINE'** along with EMD of Rs. 40,000/- by RTGS /Demand Draft should reach our Gokul Shirgaon, Kolhapur office on or before - **21.08.2026**. Right to accept or reject any Tender without assigning any reason is reserved.

Managing Director

President

Board of Authorised Officers

Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd.,
B-1, M.I.D.C., Gokul Shirgaon, Kolhapur - 416 234

KOLHAPUR ZILLA SAHAKARI DUDH UTPADAK SANGH LTD., KOLHAPUR

General Terms & Conditions

- 1) Technical details of required Gas Chromatography Based Non Milk Fat Analyzer Machine is given in the attached annexure.
- 2) Tender offers is to be given on the Letter heads of the Tenderers in the format given by us.
- 3) Earnest Money Deposit of Rs. 40,000/- (Rs. Fourty thousand only) by RTGS / D/D issued in favour of Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., Kolhapur must be given alongwith the Tender. Tender without EMD will not be considered.
RTGS Details -

Name of Project Authority	Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., Kolhapur
Address of Project Authority	B-1, MIDC, Gokul Shirgaon, Tal Karvir, Dist. Kolhapur, State Maharashtra Pin Code 416 234
Name of Bank	Bank of Maharashtra
Bank A/c No.	60182028384
IFSC Code	MAHB0001575
Branch Name & Address	B-1, MIDC, Gokul Shirgaon, Tal Karvir, Dist. Kolhapur, State Maharashtra Pin Code 416 234

- 4) Technical offer and commercial offer should be sent in a separate envelope duly marked as COMMERCIAL OFFER and TECHNICAL OFFER respectively. Sealed envelops of Commercial offer & Technical offers to be put in a Common sealed cover duly marked as '**TENDER FOR GAS CHROMATOGRAPHY BASED NON MILK FAT ANALYZER MACHINE**' is to be given at our Gokul Shirgaon, Kolhapur office on or before - **21.08.2026**
- 5) Payment Terms-
 - a) 30% advance of total contract value alongwith the purchase order after getting order acceptance and on submission of Bank Guarantee of equivalent amount.
 - b) Next 40% payment alongwith 100% GST of supply items on safe receipt of equipment / material at site on submission of progressive Invoices.
 - c) Next 20% payment of supply items will be released after satisfactory installation & commissioning performance trials of Gas Chromatography Based Non Milk Fat Analyzer Machine.
 - d) Final 10% of total contract value will be released after one month satisfactory working of Installed Gas Chromatography Based Non Milk Fat Analyzer Machine & submission of Performance Bank Guarantee of nationalized bank for same amount valid for one year from date of satisfactory commissioning & performance trials.

- 6) Supplier must submit list of supplier such type of equipment supplied.
- 7) Supplier must give written acceptance of above terms & conditons.
- 8) Right to accept or rejects any or all Tenders without assigning any reason is reserved.
- 9) Subject to Kolhapur Jurisdiction.

Managing Director

Annexure

Technical Specification for Gas Chromatography for Milk FAT – Triglyceride & FAME analysis

Microprocessor based Gas Chromatography system for analysis of Triglyceride & FAME in milk sample by using FID. Suitable capillary columns should be quoted for the mentioned applications and there should be option to change the column as per the application requirement. The system should have automatic/electronic gas control system for all flows/pressure and can be controlled from chromatography management software. User friendly operation to manage the work from LCD Screen with Keypad as when require.

- **Column Oven**
Column Oven Size should be 22 ltrs or more
Operating Temperature range: Ambient +5 °C to 500 °C or better
Temperature Set Point Resolution: 1 °C or better
Number of Ramps/Plateaus: 7/8 or more
Maximum Heating Rate: 50 °C/min or more
Oven Cool-Down (22 °C ambient): 400 °C to 50 °C in < 6 min
- **Performance Specifications**
Typical Retention Time Repeatability: 0.008 min or better
Typical Peak Area Repeatability: <2% RSD or better
- **Automatic / Electronic Pressure Control**
Up to 10 channels or more of integrated electronic gas control
Pressure Set Points Minimum Increments: 0.01 psi in all ranges
- **Injector**
- **Programmable Temperature Vaporizer with electronic gas controller – Qty 1**
Suitable for all (0.1 mm to 0.53 mm i.d.) capillary columns
Temperature Range: 50 degC - 450 degC or more
Pressure Range: 0-145 psi or more
Split Ratio up to 9000:1 or better
Constant pressure & constant flow modes, Pressure programming with three ramps and four plateaus
Gas saver mode: Standard
Modes: Split, Splitless and Solvent Split
Temperature Programming Rate: 1 degC/min to 600 degC/min
- **Capillary Split/Splitless Injector with electronic gas controller – Qty 1**
Suitable for all (0.1 mm to 0.53 mm i.d.) capillary columns
Temperature Range: 50 degC - 450 degC or better
Pressure Range: 0-145 psi or more
Constant pressure & constant flow modes, Pressure programming with three ramps and four plateaus
Gas saver mode: Standard
Split Ratio up to 9000:1 or better

- **Detector**
- **Flame Ionization Detector with Electronic Gas Controller– Qty 2**
 Compatible with 1/4", 1/8", 1/16" and capillary columns
 Flameout detection
 MDL: <1.8pg C /Sec for Dodecane
 Linear Dynamic Range: >10⁷
 Maximum Temperature: 450 degC
- **Auto Injector/Sampler – Qty 1**
 Auto Injector/Sampler with vial Capacity 100 no.s or more of 2ml vial size should be quoted as per the requirement to inject liquid sample to get better accuracy.
- **Column**
 Should be quoted Suitable capillary columns as mentioned specification
 5m length metal column for Milk FAT Triglyceride analysis – Qty 1
 100m length capillary column for FAME analysis – Qty 1
- **Software**
 Suitable Chromatography Management Software 32/64 bit windows 2000 / XP/7/10 based or latest with PC, Printer to manage the work from software should be quoted. The software should control the GC & Autoinjector and acquiring data from GC & processing. The software should have facility for customize formula for Milk FAT triglyceride analysis as per the method ISO 17678 and the customize template with reporting should be demonstrated during installation & training.
- **IQ/OQ (System Validation)**
 IQ/OQ should be the part of installation. Should be quoted IQ/OQ along with part number
- **Consumables**
 5ul syringe for Autoinjector – Qty 2
 2ml vial with cap and septa – Qty 500
 PTV liner 1.0mm ID – Qty 2
 Septa Pk/50 – Qty 1
 Ferrule for 0.53mm ID column Pk/6 – Qty 1
 Ferrule for 0.1mm to 0.25mm ID column Pk/6 – Qty 1
 Ferrule for Detector side for 0.53mm ID column Pk/6 – Qty 1
 Ferrule for Detector side for 0.1mm to 0.25mm ID column Pk/6 – Qty 1
 Metal column cutter – Qty 1
- **Warranty**
 Three Years standard warranty should be quoted.
- **Accessories to install the equipment as mentioned:**
 UHP grade Nitrogen, Hydrogen & Zero Air Gas filled Cylinder 47 Lit. appx Water capacity with Double Stage SS Pressure Regulator – Qty 1 set each
 Should be quoted 5KVA online UPS, 230 Volt AC, 50 Hz, Single Phase I/P & O/P, 30min backup for operation of the system
 Gas purification panel with fittings for all gases should be quoted.

FORMAT

(Technical offer)

The Managing Director,
Kolhapur Zilla Sah.Dudh Utpadak Sangh Ltd.
B-1, M.I.D.C., Gokul Shirgaon,
Kolhapur - 416 234

Sub - Technical offer for Gas Chromatography Based Non Milk Fat Analyzer Machine.

Dear Sir,

With reference to the Tender Notice published in Daily _____ on _____, I/
we submit the Technical offer Gas Chromatography Based Non Milk Fat Analyzer
Machine. We also agree upon Terms conditions

Yours faithfully

Seal & Signature of Tenderer

Encl -

1. D D towards EMD / RTGS Details
2. Company Profile

FORMAT

COMPANY PROFILE

Name of the Tenderers	-	
Address	-	
Tel. Nos.	-	
web site	-	
E - mail	-	
GST Registration No.	-	
Name of Authorised Signatory	-	
Designation of the authorised Signatory	-	

Seal & Signature of Tenderer

Format
Commercial offer
(To be given on the Letter head of Tenderer)

Date :

To,

The Managing Director,
Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd.,
B-1,, MIDC., Gokul Shirgaon, Kolhapur-416 234.

Sub : Commercial offer for Gas Chromatography Based Non Milk Fat
Analyzer Machine.

Dear Sir,

With reference to the Tender Notice published in _____, I/We submit commercial offer for supply & installation of Gas Chromatography Based Non Milk Fat Analyzer Machine. We have thoroughly studied the details of work to be done and agree upon the following.

Sr. No.	Particulars of Analyzer	Milk analyzer
1)	Unit Price of Gas Chromatography Based Non Milk Fat Analyzer Machine. (Including Transport, Installation & Commissioning charges)	
2	Applicable GST	
	Total Unit Price (1+2)	

B) REQUIRED DELIVERY PERIOD -

Place :

Date :

Seal & Signature of Tenderer