



THE ODISHA STATE CO-OPERATIVE MILK PRODUCERS' FEDERATION LTD.

D-2, SAHID NAGAR, BHUBANESWAR-751 007.

Phone: (0674) – 2540273 / 2546030 / 2540417

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TENDER DOCUMENT

FOR

**SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRIAL RUN OF
FTIR TECHNOLOGY BASED MILK ANALYZER (MILKO SCAN FT-1)**

AT DIFFERENT DAIRY PLANTS OF OMFED

Date of Commencement for on line Bidding	04.02.2020, 10 AM onwards
Last Date & Time for online Bidding	25.02.2020 (Up to 5.00 PM)
Date & time for receipt of the hard copies of Demand Draft for paper cost & EMD	04.02.2020 to 27.02.2020 (10.00 AM to 4.00 PM)
Date & Time of opening of Technical Bid (After evaluation of Technical Bid, the date of opening of Commercial Bid shall be informed to the qualified bidders)	29.02.2020 at 3.00 PM

RECEIPT OF TENDER PAPERS :

PLACE OF OPENING OF TENDER :

ADDRESS FOR COMMUNICATION :

**THE ODISHA STATE COOPERATIVE MILK
PRODUCERS' FEDERATION LTD (OMFED)**

D-2, SAHIDNAGAR,

BHUBANESWAR- 751007

Cost: Rs.10000+12% GST



The Odisha State Cooperative, Milk Producers' Federation Ltd.

D-2, SAHID NAGAR, BHUBANESWAR-751 007.

Ph No- 2546030/2540273/2540417, Fax No (0674)2540974

Bid Identification No. 498 / CSS / NPDD / SL / MS-FT-1

OMFED invites Techno-commercial offer from original equipment manufacturer or their authorized channel partner for supply, installation, testing, commissioning and trial run FTIR Technology based Milk Analyzer (Milko Scan FT-1) at different dairy plants of omfed. The tender is invited on-line through 'e'-procurement of Govt. of Odisha web Portal (www.tenderorissa.gov.in). The bidders should have the necessary portal enrolment with his own Digital Signature Certificate (DSC).

Name of the ITEM	Quantity	Estimated Total Cost (in Lakhs)	Cost of Tender paper (in Rs.)	Availability of tender for on line bidding(Date)		Date of opening	Bid Security (Rs.), (EMD)
				From	To		
FTIR technology based Milk Analyzer (Milko Scan FT-1)	9	765.00	10000.00 +12% GST	04.02.20	25.02.20	29.02.20	800000/-

2. Bid documents consisting of specifications, the schedule of quantities and the set of terms and conditions of contract and other necessary documents can be seen in the website: <https://tendersorissa.gov.in>. The corrigendum/amendment to this notice if required shall be published only in the OMFED web site www.omfed.com and will not be published again in news paper.

3. The **Bid documents will be available** in the website: <https://tendersorissa.gov.in> from of **04.02.2020 to 25.02.2020 for online bidding. (10.00 AM to 5.00 PM)**

4. (i) The tender paper cost (in shape of D/D) & EMD (in shape of D/D) in original, to be submitted.

(ii) Photo Copy of GST, PAN, Registration Certificate of firm, Experience Certificate, other documents as per detail tender call notice(DTCN) with duly signed by the bidder(Only Papers relating to Technical Bid) to be submitted.

As mentioned **4 (i) & (ii)** shall have to be deposited in two different sealed envelopes within **10.00 A.M.** from **04.02.2020 to 04:00PM of 27.02.2020** at the OMFED Corporate office, Bhubaneswar.

Non submission of cost of bid document and bid security within the period shall debar from participating in the online bidding system and his portal registration shall be cancelled. His name shall also be informed to the registering authority for cancellation of his registration.

5. Bids shall be received only “on line” on or before 5.00 PM of 25.02.2020

6. Bids received on line shall be opened (technical) at 3.00 P.M. on 29.02.2020 at OMFED Corporate office in the presence of the bidders. Bidders who participated in the bid can witness the opening of bids after logging on to the site through their DSC. If the office happens to be closed on the last date of opening of the bids as specified, the bids will be opened on the next working day at the same time and me time and venue.

7. The cost of bid documents & EMD in demand draft issued from any Nationalized Scheduled Bank may be prepared in favour of OMFED, payable at Bhubaneswar.

8. The Co-operatives, Govt. bodies, NSIC and MSME registered firms are exempted from submitting required EMD.

9. Other details can be seen in the bidding documents.

10. The Financial bid will be open among the qualified technical bidders & it will be intimated in due time

11. The management reserves the right to cancel any or all bids without assigning any reason.

12. Any corrigendum /addendum will be displayed only in the OMFED web site (www.omfed.com)

13. Defaulters' in earlier supply to Omfed or Black listed anywhere in the country are not allowed to participate in the tender.

14. Jurisdiction – The court at Bhubaneswar alone will have jurisdictions for any legal dispute which may arise out of this tender

Sd/-

Dy. General Manager (CSS)

OMFED

Eligibility Criteria

1. The manufacturing company should provide after sale service for the supplied Laboratory items.
2. The average annual sales turnover of the manufacturing company detailed out below.

Sl no	Item Description	Minimum Average Annual sales turn over (Rs) for the year 2016-17 to 2018-19
1	FTIR technology based Milk Analyzer (Milko Scan FT-1)	Rs.800 Lakhs

3. The bidder should have supplied FTIR technology based Milk Analyzer (Milko Scan FT-1) to different Dairy Plants for the year 2016-17 to 2018-19.

Delivery Time.

Supply: Within 60 days from the date of acceptance of the order. The delivery sites will be given in the Purchase order.

Installation: Installation, Commissioning and trail run within 30 days from the date of Delivery of materials at site.

Terms of payment

- Bills in triplicate shall be submitted along with a copy of P.O
- 75 % on safe arrival of material at site.
- 15 % after successful commissioning.
- PSD @ 10 % of billed value shall be retained by ordering authority for a period of 02 years from the date of handing over and shall be released subject to satisfactory performance.
- Any other statutory deduction like TDS etc as applicable

Penalty

- Penalty @ 0.5 % of the order value/week basic shall be imposed for delay in execution beyond the time frame. The penalty amount will be Limited to 10% of the order value.

Document to be submitted in technical bid.

- Certificate from the client with detail contact address to establish supply of the items.
- Proof of sales turn over (Audited Profit & Loss Account).
- Undertaking by the bidder that the bidder is not black listed by any Co-operative Milk Union/ State Milk Federation/Govt. Agencies.
- Audited profit and loss account for the year 2015-16 to 2017-18,
- IT returns for the financial year 2017-18.
- Credentials in support of supply and commissioning of FTIR technology based Milk Analyzer (Milko Scan FT-1).
- Installation and performance certificate issued by the clients are to be furnished.
- Demand Draft towards tender paper cost of Rs 11200.00.
- Demand Draft towards EMD of Rs. **8.00** Lakhs.
- Printed technical literature / catalogue of the offered model of the equipment.
- Duly filled in Manufacturers' authorization letter (for authorized channel partner)
- Xerox copies of PAN / GST.
- Valid NSIC/MSME certificate holders are exempted from the EMD (subject to submit the copy of said certificate for verification).

Terms and Condition

- Bidders are advised to visit site prior to tender.
- The offered price should be uniform for all sites at different Dairy Plants of OMFED inside the State of Odisha irrespective of distance.
- The FTIR technology based Milk Analyzer (Milko Scan FT-1) shall be covered under one year guarantee period from the date of installation and one year free service after expiry of guarantee period.
- The bidder cannot stipulate any terms and condition of his own beyond the tender requirements.
- The bid shall be rejected if not completed with tender requirement.
- All statutory approval is within the scope of the bidder.

- It is mandatory on the part of bidder to quote for the entire item as mentioned in the BOQ failing which the offer shall not be considered.
- All the required documents relating to Technical Bid should be uploaded online.

VALIDITY OF OFFER:

01 year from the date of notification.

REQUIREMENT OF FTIR TECHNOLOGY BASED MILK ANALYZER (MILKO SCAN FT-1): 9 no

Signature:

Seal:

Date:

TECHNICAL BID FORMAT FOR FTIR TECHNOLOGY BASED MILK ANALYZER (MILKO SCAN FT-1)

SL NO	Description	Details
1	Name of the Company	
2	Office address	
3	Phone no Fax No.	
4	Corporate Head Quarter address & Contact no .	
5	Local office address & Contact no in Odisha .	
6	Web site Address.	
7	Nature of the Ownership.	
8	Firm Registration No with date	
9	Details of Statuary Certificate / License/ Clearance.	
10	GST Registration No	
11	GSTIN No	
12	PAN no	
13	DD for EMD	
15	DD for Tender Cost.	
15	ISO Certification no/ Validity	

Signature with seal:

Date:

INFORMATION:

SI no.	Name of the equipments	Requirement in no's	Address & F.O. R Destination
1.	FTIR TECHNOLOGY BASED MILK ANALYZER (MILKO SCAN FT-1)	01	Bhubaneswar Dairy At: Chandrasekharpur, Po.: Mancheswar Railway Colony, Bhubaneswar, Dt.: Khurda. State - Odisha
		01	Sambalpur Dairy At: Godavanga, P.O: Kalamati, Via : C.A.Chiplima, Dt. :Sambalpur, State - Odisha
		01	Balasore Dairy, At./PO: Januganja, Via: Remuna, Dt.: Balasore, Pin.-756003, State - Odisha
		01	Berhampur Dairy, At/PO.: Ankushpur, Near Kukudakhandi, Berhampur, Ganjam, State - Odisha
		01	Rourkela Dairy, At./P.O : Luakera, Rourkela-9 Dt. : Sundargarh, State - Odisha
		01	Angul Dairy, At. Panchamahala, PO.- Koradagadia, Dist. Angul-759132 State - Odisha
		01	Bhawanipatna Dairy, At: Bhangabadhi, P.O: Bhawanipatna, Dt.: Kalahandi, State - Odisha
		01	Salapada Dairy, At./PO- Salapada, Anandpur, Dist. Keonjhar-758020 State - Odisha
		01	Keonjhar Dairy, At. : Silisuan, P.O.: Raisuan, Dt.: Keonjhar State - Odisha

COMMERCIAL BID FOR FTIR TECHNOLOGY BASED MILK ANALYZER (MILKO SCAN FT-1)

SI No	Name of Item	Quantity	Unit	Unit Price (in Rs.)	Total GST Amount For All Quantity	Total Amount with taxes	Total Amount without taxes
1	FTIR TECHNOLOGY BASED MILK ANALYZER (MILKO SCAN FT-1)	9	No's	Rate shall be quoted only through https://tendersodisha.gov.in			

Signature with Seal:

Date:

Technical Specification of FTIR (Fourier Transform Infrared) Technology Based Milk Analyzer)

1. Application

a) The equipment should be used for analysis of milk and milk products, adulteration screening and quality determination of raw, intermediate and processed milk.

b) Products to be analysed: Milk (Raw and processed), Cream, Whey and Yoghurt and Ice cream mixes.

2. Equipment shall be capable of analysing at least below parameters in the range provide:

a) Fat (Up to 50 % or higher)

b) Protein (Up to 7 % or higher)

c) Lactose (Up to 7 % or higher)

d) Total solids (Up to 55 % or higher)

e) Solids not Fat (To meet the product requirement as per Sr. No.1)

The above are the minimum performance criteria of equipment. However, measurement ranges should fulfil the compositional criteria for the products outlined at Sr. No. 1.

The additional parameters like Total Acidity / Density / FPD / FFA/ Citric Acids / Casein / Urea / Glucose / Galactose / True protein /NPN / pH etc. which could be analysed by the equipment should be indicated by the bidder along with the range of analysis.

3. The equipment should be supplied with all required calibrations and software for the products at Sr. No.1. It shall have the provision to upgrade / modify from time to time, if needed.

4. Equipment should be provided with a standard pre-calibrated module and required software for screening of adulterants like

a) Ammonium Sulphate

b) Detergent

c) Glucose

d) Maltose

e) Melamine

f) Salt

g) Sodium Carbonate

h) Sodium citrate

i) Sorbitol

j) Starch

k) Sucrose

l) Urea

m) Vegetable Oils when mixed with Chemical Emulsifiers

n) Formaldehyde

5. In other products, equipment shall be able to analyse the following parameters:

a) Milk: Fat, Protein, Total Solids, Lactose, SNF

b) Yoghurt: Fat, Protein, Total Solids

c) Whey: Fat, Protein, Total Solids, Lactose

- d) Cream: Fat, Protein, Total Solids, SNF
 - e) Ice cream: Fat, Protein, Total Solids, SNF
6. Method Set Up: It would be a responsibility of the bidder to set up all the methods in different products and standardize the instrument for work after proper verification.
 7. The equipment should be based on FTIR technology and should follow IDF (International Dairy Federation) standard 141 / ISO 9622 I AOAC Official Method 972.16.
 8. The equipment should be supplied with a networking software along with all necessary accessories to transfer data to client server.
 9. The equipment software should have the quality control features for monitoring instrument stability and status.
 10. The equipment should comply with international safety guidelines. Certificate of these shall be submitted
 11. Technical requirements: -
 - a) Accuracy: < 1% CV on major milk components for different varieties of milk
 - b) Repeatability: < 0.25% CV on major milk components
 - c) Analysis time: Maximum 40 seconds per sample for milk
 - d) Sample Volume: Less than or equal to 10 ml
 - e) Sample Temp: Approx. 5 - 42° C or wider on both sides
 - f) Cleaning Should be Automatic and Programmable
 - g) Optical System: Should be adequately sealed and protected
 12. Vendor should provide branded PC and suitable printer for equipment operation for sufficient data storage, speed and ease of operation, sufficient ports for transferring online data and support data transmission should be available.
 - 1 GHz CPU speed
 - 8 GB RAM
 - 64 GB free disk space
 - NTFS File system
 - 4xUSB connector
 - 1 GB Ethernet
 - DVD R/W Drive
 - Windows 7, or higher suitable for software of milk analyser, either 32 Bit or 64Bit versions
 13. Consumable and Accessories: Equipment should be supplied along with appropriate reagents, consumables, spares and accessories for routine operations for approximate analysis of 20000samples during the warranty period.

The requirement of these supplies for samples would be given to bidder on six monthly basis or on mutually agreeable dates.

14. Training: Basic training on operation/maintenance to be arranged by the bidder after installation of the equipment along with calibration development to be done for parallel/alternate milk products. The advance training on these should be conducted as per the request from end user, on mutually agreeable dates. The equipment should also be supplied with user manuals required for installation and training.

15. Warranty: Equipment shall be supplied with minimum a warranty of one year from the date of installation. Bidder should undertake on site minimum two preventive maintenance visits during the warranty period apart from the breakdown visits. Warranty would apply to all the accessories supplied by bidder. Bidder shall provide service within 48 hrs after registering the complaint during warranty and AMC period.

Warranty extension: If equipment has been down for more than 30 days due to malfunctioning of the any part supplied by bidder or want of spares/ consumable, warranty would be extended.

16. Demonstration and Evaluation: Purchaser reserves the right to verify the performance of equipment at any stage of purchase process. The bidder is requested to arrange all the pre-requisite timely for successful demonstration and evaluation if demanded by OMFED.

17. Compliance: The reference / traceability of compliance information in the offer shall be clearly specified with supporting documentary evidences. The offer with incomplete/untraceable information may not be considered. Any type of unwarranted canvassing for selection of instrument may lead to rejection of the offer.

18. No offering of refurbished/assembled/demo modules: No part of the offered equipment shall be refurbished or used in demonstration purpose. Kindly submit undertaking.

19. The AMC charges for two years after the expiry of warranty period shall be quoted separately.

20. It is the responsibility of vendor to supply a complete solution / unit for the analysis.

21. Vendor should be able to supply all the spares / consumable required for repair for at least 8- 10 years after installation.

22. The vendor should have at least same quantity of installations of instrument as equivalent to tendered quantity in major co – operative dairies / federations / government laboratories in the country in last three years. Copies of purchase orders of the same along with performance certificates should be submitted.