

TENDER DOCUMENT

FOR

**SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRIAL RUN
OF DATA PROCESSING MILK COLLECTION UNIT (DPMCU)
AT DIFFERENT UNITS OF MILK UNION.**



THE ORISSA STATE CO-OPERATIVE MILK PRODUCERS' FEDERATION LTD. BHUBANESWAR

Phone : (0674) – 2540273 / 2546030 ,2540417, Tele Fax : (0674)-2540974

E-mail : omfed @ yahoo.com

SEP - 2017

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. CSS/RKVY/158/DPMCU/17

- 1.OMFED invites **Techno-commercial offer from original equipment manufacturer or their authorized channel partner Data Processing Milk Collection Unit (DPMCU) at Different Units Of Milk Union** .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.

Estimated Cost (Rs.)	Cost of tender paper.(Rs.)	Availability of tender for on line bidding		Date of opening	Bid Security (Rs.), (EMD)	Period of completion
6,39,04,000.00	10,000 +12% GST	From 27/09/2017	To 16/10/2017	20/10/17 On 11.00 am	2% of the Estimated Cost	120 days

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corrigendum/amendment to this notice if required shall be published only in the OMFED web site www.omfed.com and will not be published again in news paper.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 **10.00 AM of 27.09.2017 to 5.00 PM of 16.10.2017 for online bidding**.

4. (i) The tender paper cost (in shape of D/D) & EMD (i.e 2% of estimated cost) in the form of D/D or Bank Guarantee in original,

(ii) Photo Copy of VAT, PAN, Registration Certificate of firm, Experience Certificate, other documents as per DTCN with duly signed by the bidder. (only Papers relating to Technical Bid)

As mentioned **4 (i) & (ii)** shall have to be deposited in three different sealed envelope within 10.00 A.M. from **17.10.2017 to 05:00PM of 18.10.2017** 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 16.10.2017**.

6. Bids received on line shall be opened at **11.00 A.M. on 20.10.2017 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 venue.

7. It is for the information of all concerned, that **EMD** is binding for all participates i. e. 2% of the estimated cost except valid NSIC certificate holder.

8. 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**.

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

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

Sd/-
Managing Director, OMFED

Eligibility Criteria

1. The manufacturer should have manufactured, supplied and successfully commissioned at least 500nos of DPMCU in each financial year from 2014-15, 2015-16, 2016-17.
2. The manufacturer should have supplied and successfully commissioned at least 500 units of DPMCU against a single order to state milk federations or reputed organizations
3. The average annual sales turnover of the manufacturer should not be less than Rs.300 lakhs during the financial year from 2014-15, 2015-16, 2016-17.
4. The manufacturer should furnish a certificate regarding manufacturing of DPMCU / milk analyser at his own works.
5. The manufacturer should have valid ISO certification.
6. The DPMCU should confirm to the quality standard as specified under BIS / ISI or empanelled under NDDB.
7. Certificate from clients with detailed contact address and landline / cell no to establish the supply as stated above.
8. Preference shall be given to the manufacture who are empanelled under NDDB.

Delivery Time.

The items shall be supplied within 90 days from the date of acceptance of the order.

It is mandatory on the part of the bidder to install / commission the DPMCU and take successful trials with the existing infrastructure within 30 days from the date of supply.

Terms of payment

DPMCU

- 75 % on safe arrival of material at site.
- 15 % after successful commissioning.
- Bills in triplicate shall be submitted with the ordering quantity
- PSD @ 10 % of order 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.

Penalty

- Penalty @ 0.5 % of the order value / week shall be imposed for delay in execution beyond the time frame.

Document to be submitted with technical bid.

- Certificate from the client with detail contact address to establish supply of the items which are functional.
- Proof of sales turn over.
- Undertaking by the manufacturer that the company is not black listed by any Co- operative Milk Union/ State Milk Federation.
- Audited profit and loss account for the year 2014-15, 2015-16, 2016-17.
- Copy of IT return for the financial year 2015-16.
- GSTIN / GST No / PAN No/ TAN no.
- Credentials in support of supply of DPMCU and installation during 2014-15, 2015-16, 2016-17.
- Cost of tender paper in shape of Demand Draft.
- EMD i.e 2% estimated cost in shape of Demand Draft.
- The original bidding document duly sealed and signed by the bidder.
- All documents as required under this tender should be properly numbered and displayed in the content failing which the tender shall not be accepted.

Terms & Condition

1. The tender is valid for a period of 3 years from the date of notification.
2. The rate shall be uniform for all destinations on FOR basis and shall include cost of supply, taxes, duties, royalties, freight, packing, forwarding, insurance & duties including CESS.
3. The bid shall be rejected in case of non compliance to the tender requirement.
4. The quantity as mentioned in the tender document is likely to vary depending upon the availability of fund.
5. In case of sub -standard quality, materials shall be rejected & payment for the same shall not be released.
6. The purchase order shall be issued by affiliated Milk Unions.
7. In case of DPMCU, it is mandatory on the part of the manufacturer / authorized representative to demonstrate the set in presence of tender committee prior to opening of commercial bid under advance intimation.
8. The eligibility criteria mentioned in the document refers to the original manufacturer only. The distributor / dealer shall submit the authorization certificate issued by the manufacturer.
9. It is mandatory on the part of the bidder / authorized representative to fill up the formats given in the tender document.
10. It is mandatory on the part of the manufacturer to have a service center in the state of Odisha. The detailed contact address with land line / cell number should be provided along with the tender document.
11. The set should be covered under 3 years guarantee period from the date of successful commissioning.
12. It is mandatory on the part of bidder to quote for all the item as mentioned in the BOQ falling which the offer shall not be consider.
13. Callibration report from Electronics & Quality Development center, Govt. of India should be furnished.
14. In case ISI / BIS certification / empanelled under NDDDB certification is not produced the bid shall be rejected.

SCHEDULE OF QUANTITY

Slno	Items	Quantity (nos)
01	Data processor Milk Collection Unit	600

TECHNICAL BID

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 in Odisha & Contact no	
6	Web site Address	
7	Nature of the Owner ship	
8	Regd No with date	
9	Details of Statuary Certificate / License/ Clearance	
10	GST No	
11	GSTIN No	
12	PAN no	
13	DD for Tender Cost.	
14	DD for EMD.	

Signature:

Seal:

Date:

TECHNICAL SPECIFICATION

1. DPMCU

Function:-The unit is suitable for instant weighing of milk, measuring FAT & SNF content, calculating. The amount payable to the member based on FAT, SNF and weight, printing the amount calculated thereof with member identification details. This unit is also used for maintaining the complete record of the collection center together with the details of all transaction of the village co-operative society.

Scope of Supply:-

1- Electronic Weighing Scale (EWS)

The weighing scale conforms to provisions of “Standards of Weight and Measures (General) Rules, 1987 (Medium Accuracy-III) and will duly certified and stamped by weight and measure department and conforming to IS: 9281 (pt. 1 & 2) 1979, IS 9281:1981 and IS 9281 (Pt.4) 1983 as amended up to date.

Specification:

- | | |
|--|--|
| 1-Capacity | - 200 kgs and above. |
| 2-Resolution | - 20 gm |
| 3-Road Cell | - Stainless steel, bending beam, resistive strain gauge type
Load impact 300%, IP-65 protection. |
| 4-Platform / Platter size | - Minimum of 600 mm x 600 mm and above, Made of SS-202,
SS Pole,
Material Steel Grade rust Protected. |
| 5- Power Supply | - 220 / 240 + %10 volts (AC), 50Hz. |
| 6-Display | - 7 segment GREEN/RED LED digital display of 25/14.22mm
height, Tare, Net or Gross Weight Indication, RS 232 port. |
| 7-Battery Backup | - In built battery backup upto 24 hours at full charge. |
| 8-Auto Tare Facility | – Yes |
| 9- Stamping by Local Weight & Measure Department | : Supplier to arrange first time stamping of each weigh scale from local Governments Weigh & Measure Inspector before installation. Stamping fee of Inspector shall be reimbursed by Purchaser. However Weigh Scale manufacture to have Proto type approval for weigh scale from Government. |

2- Milk Analyzer :

- Ultrasonic based Instant Measurement of FAT & SNF & added water to milk
- Speed - Above minimum 90 tests per hour and above.
- Sample Volume - 20 to 25 ml
- Temperature - 50 to 350
- Use of Chemical - No
- Power Supply - AC 180 – 240 V DC 12V, 6 Amp.
- Power Consumption - Minimum of 30 watts to 50 watts
- Interface - RS 232
- Environmental Condition - 5 to 50 Degree C 50% humidity
- MoC for enclosure - AISI 304, 0.75 mm thick minimum.
- Accessories - Interface Cable, Battery Lead & Daily Weekly Chemical

Measuring Range Accuracy Repeatability

FAT 0.5% to 12% $\pm 0.10\%$ $\pm 0.05\%$

SNF 6% to 15% $\pm 0.20\%$ $\pm 0.05\%$

CLR 0.0% to 40% $\pm 0.50\%$ $\pm 0.05\%$

Simple cleaning & Calibration Procedure

Operation - Auto drive

3-Data Processor

Data processor is to be used at village society level, so should be simple, rugged, easy to Operate with appropriate functional keys. Salient features of data processor are -

<u>S.N</u>	<u>Item</u>	<u>Specifications</u>
1.	Display	: LCD - 4 line x 20 character with back light or better than this.
2.	Memory	: Expandable memory
3.	Data Storage	: 999 members unlimited data storage
4.	Key Board	: 4x4 or higher matrix inbuilt keyboard, external QWERTY Key board (Optional)
5.	Processor Name	: High speed 32 bit cortex ARM Controller Speed or High speed 24 bit pic micro Controller Speed or as per Manufacturers design to meet functional requirement
	Program Memory	: 128 KB Internal High Speed Flash

- | | | |
|-----|--------------------------|--|
| 6. | Language | : English |
| 7. | Storage / Media Type | : Micro SD / internal flash memory
& external USB pen drive. |
| 8. | External Interface | : RS 232 ports /USB Ports as per requirement |
| 9. | Operative Conditions | : Operative Temperature: 0-50 degree Centigrade |
| | Relative Humidity | : 5% to 85% |
| 10. | RS – 232 Interfaces | : For Analyzer, EWS, RDU, Printer |
| 11. | USB Port | : For Pen Drive |
| 12. | Real Time Clock | : Provided with inbuilt battery with password protection
for changing the date & time |
| 13. | Power Supply | : DC Input up to 12 volt
AC input : 210-240 volts, 50+/- 3% Hz. |
| 14. | Power Consumption | : 70 Watt. |
| 15. | Material of Construction | : Housing made of stainless steel of grade SS-202 /
special plastic. |

4- Digital Indicators (Remote Display)

The indicator should display the weight of the milk, fat content and the amount to be paid to the member in bright 7 segments RED LED of minimum 20 mm height. There should be no visual errors.

It should be possible to mount the display indicators separately at any convenient point in the milk reception area. Display for FAT % - 4 Digits, SNF % - 4 Digits, Member Code – 3 to 4 Digits, Milk Rate(Rs.) – 4 Digits , Milk Weight – 4 or 5 Digits, Amount.(Rs.) – 6 Digits. Interface-Rs-232 / USB Host.

5- Ultrasonic Stirrer

- Sample Size - 25 ml.(Maximum)
- Frequency - 26 to 32 KHz or as per manufacturers design, Variable type
- Timer - Fixed or variable
- Construction – Ultrasonic Type, Vibrating S S Probe, Housing – Powder Coated Steel or Special Plastic as per Manufactures design/ Standard, Table top type.
- Power Supply – AC: 230 ± 10 % Volts 50 HZ , DC : 12 ± 10 % Volts.
- Operating Temperature - 5 to 50⁰ C.
- Power Consumption – Operating: 70 Watts (Maximum) ,

6- PRINTER

- Dot Matrix Printer of reputed brand like EPSON / Wepro / TVS
- It is required to print various reports required from DPMCU.
- It can be **inbuilt into Data Processor** or it can be external stand alone (DMP).
- Number of Print Columns 40 / 80, Number of Paper Paths Continuous Friction
- Interface – Serial Yes (RS-232 Serial) , Input Buffer 16 KB
- Print Media- Roll Paper , Power Consumption 100V/240V adapter-24 VESC/P & IBM

7-Earthing

Technology- Earth Electrode, Galvanized pipe as per IS:1239, B class pipe with 48 mm diameter, length approximate 2mtrs. wall thickness-2.5 mm. Earth wire to connect electrode with power supply-copper wire of 8 m long and 4 mm dia should be used. mineral filling compounds -Adequate

8-Un Interrupted Power Supply (UPS)

Functional requirement-To give regulated AC power to DPMCU from main or attached battery.

Capacity- 1.5 KVA

Back up -Minimum 3 hrs of DPMCU Operation,

Voltage range- 50v to 300v

Single phase, Wave Form Quasi Sinewave

Connectivity- Line Interactive, Input 110 volts to 280 volts

Output 230 + 10% volts (AC),

Battery -as per (BIS13369:1992) 2 nos. 12volt 90 AH minimum Industrial Tubular Batteries (With level indicator) & a warranty of Minimum 2 years.

Brand - Reputed Brand, Full Protection Under / Over Voltage, Low battery Voltage, Overload, Short circuit, No load, Protection against spikes, Performance Efficiency 85% & above Frequency

Stability + 0.5%, Operating Environment Temp. 5⁰ C to 50⁰ C, 90% RH, Dusty Back up time (Full load) 3 hrs. minimum in one shift with rate of charging/discharging @C/10

Consumables & Accessories of DPMCU (For Complete Installation and Running)

- 15 M with paper each roll – 2 nos
- Interface cable for electronic weigh scale
- Cleaning solution: Daily & weekly for 2months consumption
- Interface cable for remote display unit
- Interface cable for milk analyzer/electronic milk tester

- Memory Card: 8 GB 17 Inbuilt Printer No need for additional weighing scale.
- Entering milk rate chart with 4 digits code to be stored through key board
- Daily slip printing (Morning, Evening)
- Payment report 10 day's , 15 days or monthly.
- Producer's Ledger Report
- Rate chart entry, Manually, Serial & USB

It generates the following reports:

1. Slip Printout for Member transactions
2. Shift End summary
3. Payment Register
4. Cumulative Summary

Note: DPMCU to be complete with all required firmware, software & memory to operate DPMCU & generate reports which are required for operating milk collection centre & sending milk data through Pen drive to concerned milk chilling centre.

Memory:

Should be able to store more than 20 days of Data Software and cloud features:

- Complete solution for milk collection, procurement, dispatch and billing.
- Software is based on cloud and reports seen from any location.
- Milk procurement data of farmer & live reports on
- Milk collection from farmer.
- Milk Dispatch to Chilling centre
- Discrepancy report
- Different rate charts
- Machine health and cleaning
- Calibration report
- Cleaning report
- Repair and service report
- Rate chart checking reports for finance control
- Direct payment to farmer
- Stock discrepancy
- POS point of sale
- Discrepancy Village to MCC to plant
- Multiple level of password control.
- Different rate charts with future rates
- Dashboard with cleaning report, calibration report, hardware report

- Statistical and MIS reports.
- Data encryption and security. No one can change the data.
- POS system is working. Goods can be issued to the farmer and farmer bill can be generated after deducting the cost of items give to farmer.

MANUFACTURER'S AUTHORIZATION FORM

To,

Date-

The Managing Director

The Odisha State Co-operative Milk
Producers' Federation Ltd.,
D-2, Sahid Nagar, Bhubaneswar-751007.

Ref : Tender notice No-

Dated-

Sub: MANUFACTURER'S AUTHORIZATION LETTER.

Dear Sir,

We, M/s. (company name and address), who established and reputable manufacturers of (Name of The Item.....) having factories at (factory address.....), do hereby authorized M/s (Company name and address with TIN, CST No submit tender.....) to submit the tender for the goods manufactured by us.

No Company or Firm or Individuals other than M/s (name and address of the company) are authorized to tender for the goods manufactured by us.

We hereby extended our full guarantee and warranty as per tender for the goods and services offer for the supply by the above firm.

For (name of the manufacturer)

Designation with signature

DATA ON FIRM

1. Name of the firm with address :
2. Name and Designation of principal Officer/ :
Person to be contacted.
3. Status (Whether an individual/partnership/ :
Firm/Public/private Limited Company
4. In Case of Partnership Firm :
 - a) Whether it has been registered :
 - b) If registered provide certified copy of
the registration Certificate :
 - c) Name of all partners :
 - d) Details of partnership Deed
(Enclosed Certify copy of the same) :
5. If Proprietary Concern name and address
Of the Proprietor :
6. If Private limited Company, Please
Enclose Copy of Memorandum /Article of
Association :
7. Year of Establishment of firm
8. Year of Commencement of Commercial
Production :
9. CST/VAT Registration No:
10. Income Tax PAN Certificate No. & Date:

DECLARATION

The above information is true in all respects and we undertake to inform you if any change in the above particulars regarding our business from time to time.

Place:

Date:

Signature of Authorised Representative

Of the firmUnder proper seal

SIGNATURE OF TENDERER

DECLARATION REGARDING NOT BLACKLISTED

To,

Date-

The Managing Director

The Odisha State Co-operative Milk
Producers' Federation Ltd.,
D-2, Sahid Nagar, Bhubaneswar-751007.

Ref : Tender notice No-

Dated-

Sub : DECLARATION REGARDING NOT BLACKLISTED.

Dear Sir,

We M/s-(name of the company and address.....) declare
that our company was not blacklisted by any Govt. Offices / govt. Undertakings /
Organisations / UNO agencies / PSU etc.

This is for your Kind Information please.

For

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