

**BUNDELKHAND SAHAKARI DUGDH SANGH MARYADIT**

**SIRONJA, SAGAR (M.P.) 470004**

AN ISO 9001: 2015, ISO 22000:2005 Certified Organization

E-mail: [sanchimccsagar@gmail.com](mailto:sanchimccsagar@gmail.com)

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**Ref No: 930 /BKDS/IM/2019**

**Dated: 26.11.2019**

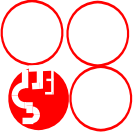
**E-TENDER NOTICE (1<sup>st</sup> call)**

Online e-tenders (Two Bid System) are invited from Manufacturer/Suppliers for supply & installation of Dairy related Lab electronics Equipments, Data Processor based Milk Collection Unit (DPMCU) With External Printer & Milk Analyzer. The tender notice, tender documents, containing the terms and conditions can be purchased online & downloaded through following website <http://www.mptenders.gov.in> from 27/11/2019,12:00PM onwards upto 18/12/2019 at 02.00PM. The tender will be submitted from 27/11/2019, 1:00PM onwards upto 18/12/2019 at 05.00PM. The tender will be opened on 19/12/2019 at 04.00PM.The detailed Tender Form can be seen (only for reference) at our H.O website:[www.mpcdf.gov.in](http://www.mpcdf.gov.in).

For digital Signature please contact M.P. State Electronic Development Corporation Ltd., Area Hills, Bhopal on toll free no. 18002588684.

Corrigendum/Amendment if any to this publication would appear only on the above mentioned websites and will not be published else where.

**CHIEF EXECUTIVE OFFICER**



# BUNDELKHAND SAHAKARI DUGDH SANGH MARYADIT

**SIRONJA, SAGAR (M.P.) 470004**

AN ISO 9001 : 2015 Certified Organization

E-mail: [sanchimccsagar@gmail.com](mailto:sanchimccsagar@gmail.com)

Phone 07582-281345

Ref No: 930 /BKDS/IM/2019

**Date: 26/11/2019**

The tender notice, tender documents, containing the terms and conditions can be purchased online & downloaded through following website <http://www.mptenders.gov.in>

## **E-TENDER FOR SUPPLY OF ELECTRONICS LAB EQUIPMENT**

### **TENDER DOCUMENT**

Schedule I	:	General Terms & Conditions.
Schedule-II	:	Specifications
Schedule III	:	Technical Bid
Schedule IV	:	Form A & Form B
Schedule IV	:	Price Schedule
Tender Cost	:	Rs.1000/- (Rupees one thousand only)
EMD	:	Rs.70000/-
Tender Document Download/Sale Start Date	:	27/11/2019 Time 12:00 PM Onwards
Tender Document Download/Sale End Date	:	18/12/2019 Time 02:00 PM
Bid Submission Start Date	:	27/11/2019 Time 1:00 PM Onwards
Bid Submission End Date	:	18/12/2019 Time 05:00 PM
Bid Opening Date	:	19/12/2019 Time 04:00 PM
Place of opening of Tender	:	Office of the Bundelkhand Sahakari Dugdha Sangh Maryadit, Sagar.
Address for Communication	:	The CEO, Bundelkhand Sahakari Dugdha Sangh Maryadit , Sagar 470004.

**CHIEF EXECUTIVE OFFICER**

## **SCHEDULE - I**

### **General Terms & Conditions for tender submission & material supply**

Bundelkhand Sahakari Dugdha Sangh Mydt, Sagar (BKDS), an ISO certified cooperative organization, invites e-tender (Two Bid System) from manufacturer/suppliers for supply of Dairy related Lab electronics Equipments, strictly in adherence to the detailed specifications given in the schedule II of the tender documents.

CEO Bundelkhand Sahakari Dugdha Sangh Mydt., Sagar reserves the right to accept or reject any or all tenders, which in their opinion justify such actions, without further explanation to the tenderers.

#### **1.0 DECLARATION :**

The submission of a tender by a tenderer implies that he/she has read the notice and conditions of the tender and the terms and conditions of contract and has made himself/herself aware of scope and specifications of the supplies to be made and the destination where the supplies have to be made and satisfied himself/herself regarding the quality and specifications of the articles.

#### **2.0 TENDER SUBMISSION:**

- 2.1 Tenderer should have at least past 3 years experience in the supply of DPMCU to Co-operative Dairies. Such Tenderer shall be eligible for participating in this tender.
- 2.2 Tenderer should supply DATA Processor, DOT Matrix Printer & Milk Analyzer separately. Intact device shall not be accepted.
- 2.3 Tenders received by e-mail will not be considered. However, amendments by e-mail to a tender sent will be considered, provided the same are received before the opening of the tender and confirmed by post.
- 2.4 Individuals signing on the tender and other related documents must specify in which capacity of the firm he/ she has signed the documents. (copy to be uploaded –mandatory)
- 2.5 The tenderer(s) should clearly state in their offer the address, telephone, fax, e-mail. Any change in the address should immediately be communicated to the Chief Executive Officer, Bundelkhand Sahakari Dugdha Sangh Mydt, Sagar and correspondence thereafter will be made at the changed address.
- 2.6 Negligence on the part of tenderer in filling the tender form offers him/her no right to withdraw the tender after it has been opened.
- 2.7 The acceptance of the tender and award of the purchase order will be the sole right of the Chief Executive Officer, Bundelkhand Sahakari Dugdha Sangh Mydt. Sagar who does not bind himself to accept a tender in whole or in part or reject any or all the tenders received without assigning any reasons and no explanation can be demanded of the cause of rejection of the tender by any tenderer.
- 2.8 The Chief Executive Officer, BKDS SAGAR reserves the right to place order for whole requirement with any tenderer or split the orders among one or more tenderers or not to purchase at all any item even after rate approval.
- 2.9 Each tender should be accompanied with copy of PAN, Income Tax Return of last two financial years, GST and without which the tender may not be entertained. (copy to be uploaded –mandatory)
- 2.10 The Tenderers should submit the tender rates in the Schedule IV only. The conditional tenders are liable to be rejected.
- 2.11 No person or firm is permitted to submit more than one tender under different names.
- 2.12 The tenderer shall not sublet the contract or assign to any other party or parties, the whole or any portion of the contract without prior written permission of Chief Executive Officer, BKDSM during the supply.
- 2.13 Tenderer shall fill all the details of the unit in the enclosed form- A in schedule-III. (copy to be uploaded – mandatory).
- 2.14 Demonstration of articles available with the firm shall be arranged by the tenderer at his own cost, whenever requested by Bundelkhand Sahakari Dugdha Sangh Mydt.
- 2.15 Manufacturers will be given preference. Copy of license is to be attached with tender for each item filled in, wholesalers dealing with the item will have to attach copy of authorization certificate of the manufacturer. (copy to be uploaded –mandatory).

#### **3.0 EARNEST MONEY DEPOSIT:**

- 3.1 All the tenderers are required to deposit Earnest Money Rs.70000/- on line. As the tender will be finalized the unsuccessful tenderers will get back the EMD from MP TENDERS (as per their norms) on line.

Submissions of earnest money by any other mode than specified above shall not be acceptable and the related tender shall not be eligible for consideration.

- 3.2 The earnest money deposit of the successful tenderers will be released on completion of supply/work as the case may be within the stipulated period without any interest.
- 3.3 No interest will be paid on the earnest money for the period during which (the EMD) lying in deposit with Bundelkhand Sahakari Dugdha Sangh, Maryadit.

#### **4.0 PRICES:**

- 4.1 Rate should be quoted for the material as per the specifications given in the schedule II of the tender document. In case of any doubt as to the meaning of any of the terms & conditions or the specifications, the tendering firm may set forth the particulars there of and submit them to the Bundelkhand Sahakari Dugdha Sangh Mydt, in writing that such doubts may be removed before submitting the tender.
- 4.2 Prices offered by the tenderers should be firm, free from all escalations and unconditional and shall be valid at least for a period of 12 months from the date of approval of rates. We would communicate our rate approval within 30 days of opening of tender.
- 4.3 The Tenderer should quote rate on F.O.R Dairy Plant Sagar basis.
- 4.4 The tender should clearly specify whether rates quoted are inclusive or exclusive of GST.
- 4.5 If needed, negotiations will be done for prices and as well as terms & conditions of material supply only with the party which offers the lowest rate.
- 4.6 The prices charged for the material supplied under the contract by the supplier firm in no event shall exceed the lowest price at which the supplier firm sells the material of identical tender description to any other persons/ firms during the period and until the execution of all supply orders placed during contract period.
- 4.7 The lowest rate shall not be the only criteria for approve the tender.
- 4.8 Conditional Tenders are liable for rejection.

#### **5.0 MODE OF DESPATCH:**

- 5.1 The material to be supplied by qualified firm shall be dispatched to the dairy under prior intimation. Depending upon the type of material, the supplier shall have to carry out proper packing/crating to avoid damage during transit.
- 5.2 Wharfage /Demurrage etc. on account of incorrect or delayed delivery/dispatches of material/documents must the responsibility of supplier and shall be recovered from the bills.

#### **6.0 ELIGIBILITY CRITERIA**

- 6.1 Tenderers should submit supplier's List with contact detail / Purchase order copy/performance Report of past 3 years.
- 6.2 Maximum experience in dairy co-operative industry will have advantage for performance in tender opening.
- 6.3 The tenderers should submit copy of IT Return for Last Two years.
- 6.4 The tenderers should submit copy of PAN Card.
- 6.5 The tenderers should submit Filled Form-A & attached related document as per Form A.
- 6.6 The tenderers should submit EMD (online).
- 6.7 The tenderers should submit copy of Firm Registration certificate.
- 6.8 The tenderers should submit proof for they have strong service network in Madhya Pradesh to provide installation, training and onsite after sale service at village DCS level.

**(Note:- Above required documents should be submitted along with proof of EMD deposit physically in addition to online submission before the tender submission end date & time at BUNDELKHAND SAHAKARI DUGDH SANGH MARYADIT, SIRONJA-SAGAR(M.P)-470004.)**

## **7.0 LIQUIDATED DAMAGES:**

7.1 The time period and the date of delivery of the material stipulated in the purchase order shall be deemed to be the essence of the contract. Once firm delivery date(s) are fixed for supply of material they shall be strictly adhered too. In case they are not followed, or in case of delay in execution or non-execution of the order, the Dugdha Sangh reserves the right either to cancel the order and make alternative purchases from other sources, at the risk and cost & expenses of the defaulting supplier. In case the supplies are not affected as per the schedules, the liquidated damages may be charged on the goods not so delivered as under:-

Sl.No.	Duration of delay	Liquidated Damages
1.	Upto 15 days	1% cost of the unit.
2.	Between 16 to 30 days	2% cost of the unit
3.	Beyond 30 days	Upto 5% cost of the unit.

7.2 If the qualified tenderer fails to make supply as per purchase order without any valid reason, the order would be treated as cancelled and the firm may be blacklisted for future dealings and EMD also would be forfeited by the management.

7.3 If the qualified tenderer fails to make supply the materials as per specification/material quality, BKDS Sagar will have right to purchase materials from the other bidders whom participated in the same tender and willing to supply the material on L-1 approved rates for which BKDS will take the consent of other bidders too.

## **8.0 INSURANCE:**

Insurance is to be arranged by the tenderer.

## **9.0 INSPECTION:**

9.1 All the materials supplies are subject to inspection at our stores before acceptance. If goods are rejected due to defective or wrong supply, the report of our authorized official in this respect shall be FINAL and no correspondence on the subject would be entertained. If the material is not found as per specification of ISDSM Indore the consignment will be rejected. Supplier will be informed regarding rejection by post /e-mail supplier should attend this office within 15 days of the receipt of intimation so that the material could be rechecked in his presence. If the supplier doesn't attend this office on time then the material will be returned at his own risk/cost by BKDS Sagar. No payment shall be made against the rejected materials.

9.2 Sample of the articles should be sent/produced before the competent authority if asked for within 3 days or as mutually agreed.

9.3 Bidders has to submit their customers list along with the performance report of consignee is compulsory.

## **10.0 PAYMENT:**

10.1 70% against delivery of machine/equipments in good condition at site and after physical inspection and verification by concern department.

10.2 Balance 30%, within 30 days of after commissioning and successful trial run of machine/equipments at site.

10.3 Tenderer agreeing to these terms would be given preference over those specifying other terms.

## **11.0 WARRANTY**

All the Supplied items shall be warranted for one year.

## **12.0 TERMINATION OF CONTRACT:**

If any act of commission or omission of a unit under contract brings Bundelkhand Sahakari Dugdha Sangh Mydt. To dispute, then the Milk Unions shall be competent to debar/blacklist the unit from further business.

## **13.0 CONSEQUENCES OF BREACH OF AGREEMENT:**

If any firm under the contract commits breach of any of the conditions, it shall be lawful for the Chief Executive Officer, Bundelkhand Sahakari Dugdha Sangh Mydt. To cancel the contract and to purchase material from any other alternate sources on the risk and cost of the defaulting unit.

**14.0 DISPUTE ARBITRATION & FINAL AUTHORITY:**

- 14.1 It should be clearly understood that in the event of a successful tenderer failing to accept and execute the supply order, then decision of the Chief Executive Officer, Bundelkhand Sahakari Dugdha Sangh Mydt., in this respect will be final and binding on the successful tenderer.
- 14.2 For all matters of dispute, the decision of the Honorable Chairman, Bundelkhand Sahakari Dugdha Sangh Mydt. Under Arbitration and Conciliation Act. 1996 shall be final and binding on all the concerned.
- 14.3 For all disputes, the venue for legal course shall be at Sagar
- 14.4 If the tender opening date become any govt. holiday then the next day may considered for tender opening.

**15.0 Quantity:**

At present 50 Nos. which may be increased, it depends on availability of funds.

*Chief Executive Officer*  
**Bundelkhand Sahakari Dugdha Sangh Mydt.Sagar**

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## SCHEDULE - II

### **Technical Specification of Data Processor Based Milk Collection Unit**

#### 1. Functional Requirements:

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The Unit should be suitable for instant weighing of milk, measuring fat & SNF content, calculating the amount payable to the member based on FAT and/or FAT & SNF weight, printing the amount calculated thereof with member identification details. The Unit shall also be used for maintaining the main records of the collection centre together with the details of milk business transactions of the village milk co- operative society.

The Unit should be able to measure milk component contents viz. fat from 0.5 % to 12 % & SNF from 6% to 12 % and able to weigh milk up to 200 kg per batch at a time. This should process approximately 70 samples of milk per hour.

#### 2. Design & Other Requirements:

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The DPMCU specs detailed below are minimum required specification. The vendor has to provide for all the components/ tools/ software required for meeting operational & functional requirement. Bidders can offer better & higher version specs if available with them which could be considered, but without any extra weightage.

#### **Operating Environment:**

All the components of the DPMCU should be rugged and must operate in dusty, hot and humid village environment where power outages and supply fluctuations are frequent. The operators may not be skilled persons and not conversant in using electronic equipment:

- Power supply : 160 to 260+10 % V (AC); 50 Hz + 3% or 12 V (DC)
- Ambient Temperature : 5 - 50 C
- Relative Humidity : 50 % to 95 %

#### **Operational provisions:**

**Installation:** All the components of the DPMCU should be installed by the supplier to the satisfaction of the user.

**Warranty:** All the components included in the DPMCU shall be warranted for 01-year comprehensive warranty from date of supply except Burnt & broken items are not covered. Supplier to ensure the installation and commissioning of proper earthing before start of actual operation of DPMCU.

The supplier should also provide Annual Maintenance Contract after one year warranty period on chargeable basis, if felt necessary by the purchaser.

#### Training

- Comprehensive training for 01 day in class room
- Hands-on training for 02 shifts of milk collection on all operational aspects of the milk analyzer and other DPMCU components to the staffs at Village level and other officers of the Milk Union.
- Between 1st & 2nd month of installation refresher training in group shall be imparted at a nodal location.

Operational & Cleaning SOPs (including leaflet on troubleshooting) - Provide laminated wall chart indicating important steps involved in operation & cleaning of the Milk Analyzer for displaying in the Collection Centre.

#### 3. Scope of Work:

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- This is a complete job for supply, installation, testing and commissioning of the DPMCU system which can collect all milk collection data at DCS level.
- The Unit should be suitable for instant weighing of milk, measuring fat, SNF & water content, calculating the amount payable to the member based on fat, SNF & weight, printing the amount calculated thereof with member identification details.
- Integrated unit shall consist of Data processor to accept data from electronic Weighing Scale, Milk analyzer & Milk producer detail manually entering, process milk billing & write processed data on pen drive or print in report format.
- Automatic tare option for Weigh Scale to allow multiple entries of can by any single member.
- System should be able to capture data from electronic weighing scale and milk analysers which can transfer data through RS-232 serial port
- System must be easy to operate, safe and secure and prevented from unauthorized access.
- Comprehensive warranty for One year.
- Ensure proper and accurate functioning of all the components of the DPMCU and impart training to the operating staff in operation, maintenance and routine check till the operating staffs are confident in operation and routine maintenance.



4. Detailed Specifications:

### 1.0 Data Processor Milk Collection Unit (DPMCU)

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

TECHNICAL SPECIFICATIONS OF DPMCU		
1.0 DATA PROCESSOR UNIT		
S. No.	Particulars	Specification
1.1	Operational Requirement	Provision of import of Producer master, Rate chart data from Milk Union/main dairy plant through pen-drive (USB/ Serial/Smart Card) Based on the requirement.
		To accept data from electronic weighing machine, milk analyzer after entering The milk producer code number manually.
		Data transfer from DPU through pen drive (USB/Serial) to other computer Through a customized utility software.
		Reports as under:
		1. Producer Slip in English
		2. Shift End Summary in English-Reports-In 40/80 column
		3. Dispatch slip, Local sale, Payment Registers & Member listing in English-Reports on EXTERNAL DOT MATRIX PRINTER- In 40/80 Column format.
		Customized reports as per Milk union requirement with possible inputs.
		Entering of Milk Rate Chart by Pen drive (USB / Serial).
		Two set so rate charts (Buff. & Cow both), one for current & other as “Effective from date ”.
		Rate chart type to support –Fat ; FAT & SNF-As required by purchaser
		Data backup through USB Pen Drive.
		Input services data entry and storage.
To develop, if any additional report required by purchaser		
1.2	Technology	Advanced ‘Micro Controller ’based
1.3	Display	LCD 4 Line / 20 Character OR HIGHER
1.4	Memory	8 GB SD Card, 5 Years data storage for @ 1000 Members.
1.5	RS-232 Interface	For Milk Analyzer, Electronic Weigh Scale, Remote Display Unit,DMP / Other suitable Printers & Pen Drive as required for incorporating all functionalities as required by the user.

1.6	Environment	5-50 Deg. C, 85 % Rh, Village Dusty Environment.
1.7	Printer	Interface for External Dot Matrix Printer
1.8	Power Supply	230 V AC, 50 Hz. or 12 V DC Input.
1.9	Key Board	Matrix type / PC Keyboard
1.10	Real Time Clock	Inbuilt
1.11	Consumables & Accessories with each DPU	Paper Role 05 No.
		All required Power Cord 1.5M with plug top-01 No.
		All interconnecting Data Leads 2M-Dully fitted with RS-232 Connectors at both ends-As Required for Weigh Scale, Milk Analyzer & Remote Display Unit.
		Suitable Paper holder to hold paper rolls-01 No.
1.12	Modem	DPU should incorporate in build 2G/3G Enabled Modem to communicate with portal Functionalities:- <ol style="list-style-type: none"> <li>1. Online Rate Chart Syncing Facility.</li> <li>2. All Farmer Transactions to Sync to Portal.</li> <li>3. Facility to send SMS to farmer.</li> </ol>
		Recurring cost of data/SMS not a part of this tender. Will be post excitation and installation OF DPU 's

## 2.0 DOT MATRIX PRINTER:

S. No.	Particulars	Specification
2.1	Printable Columnn	Dot Matrix Type 9-Pins- 80 Column
2.2	Operating Voltage	230 V 50 Hz AC or 12 V DC input
2.3	Print Method	Impact dot matrix
2.4	Print Direction	Bi-direction parallel interface/USB/Serial
2.5	Print speed	Min.4.7 LPS
2.6	Paper Handling	Friction feed
2.7	Paper Path	Manual insertion-front or rear in -top out
2.8	MTBF (hrs. at 25% duty cycle)	5 million lines
2.9	Copy Capability	Original +1 Copy
2.10	Accessories	Ribbon Cartridge, Paper holder-1 No. Each

### 3.0 SPECIFICATION FOR MILK ANALYZER

S. No	Particulars	Specification
3.1	Functional Requirement	To Test & display FAT, SNF & Added Water of sample Milk Analysis and display of Additional Parameters will be preferred
3.2	Type	Ultrasonic principle-based Milk Analyzer for testing FAT, SNF & Added Water
		Measuring parameters:
		1) Fat-0.5% to 12% with accuracy +/-0.1%, with Resolution: 0.01%
		2) SNF -6% to 12% with accuracy +/-0.2%, with Resolution: 0.01%
		3) Added water-0% to 60% with accuracy +/-5%, with Resolution: 1%
		Measuring cycle -40 Sec per sample
		Average testing speed-70 samples/hr.
3.3	Operational abilities	Mode selection for type of milk-Cow, Buffalo, Mixed/single
		With Cleaning, Calibration, System error list etc.
3.4	Type	Ultrasonic Milk Analyzer for testing FAT, SNF & Added Water
	MOC for enclosure	Stainless Steel
3.5	Loose Accessories	• Holding bottom tray for spillage-1 No.
		• RS 232 Serial Cable-1 No.
		• AC Power cable with plug top-1 No.
		• Measuring mugs -2 No
		• Daily cleaning solution-No. Of Bottle 2 (Quantity minimum 200 ml or equivalent).
		• Weekly cleaning solution-No. of Bottle 1 (Quantity minimum 200 ml or equivalent) or
• Monthly cleaning solution-No. of Bottle1 (Quantity minimum 200 ml or equivalent)		
3.6	Manual	Operating Manual each in English & preferably Local language per

#### 4.0 Electronic Weigh Scale:

4	Electronic Weigh Scale	
4.1	Functional Requirement	To Electronically weigh & digital display of milk quantity in litre in a container
4.2	Capacity	200 kg
4.3	Least Count	20 gm
4.4	Weight Accuracy	20 gm as per Standards of W&M Rules 1987 medium accuracy Class III
4.5	Certification & Stamping	Duly certified and stamped by W&M Dept. and confirming to IS:9281 (pt1 & 2) 1979, IS:9281:1981 and IS:9281 (Pt.4) 1983 as amended up-to-date
4.6	Display Resolution	1/10,000, (accuracy class III)
4.7	Load Cell	Single, IP 67 grade SS of certified and approved make
4.8	Overload & shock load protection	250% to take impact of loading, with audio (beep) visual indication
4.9	Platform Size	Suitable for placing 2 Cans each of 40 Litre.
4.10	Platform MoC	AISISS 304 1.6 mm thick,150 grit top plate
4.11	Platform under frame material I Design	Cold rolled mild steel box of adequate size. Hot dip galvanized after fabrication
4.12	Indication in display EWS unit	Quantity-7 Segment RED LED, 6 digits, minimum 13 mm height, display for mode of operation-zero, tare, kg/litre, by default KG
4.13	Display unit mounting	•Pole mounted type with sturdy base and 38 mm dia. Pipe-1.2 m high
		•MS Powder Coated / ABS enclosure, Tactile switch keys with feedback response, auto calibration & auto span with drift correction.
		•RS 232 serial port (Full Duplex)
4.14	Calibration protection & Sealing Arrangement	•Special arrangement to house PCB & seal in arrangement.
		•Password protection at user end.
4.15	Load cell Cable	Load cell cable from platform to display unit with reinforced heavy duty PVC conduit
4.16	Battery for working on power failure	Inbuilt, 6V capacity minimum for 12 hrs.
4.17	Power Supply	Minimum 1 m power cable with plug top AC/DC
4.18	Model Approval Certificate	Manufacturer to have model approval certificate of regulatory authority I Govt. of India (Weight & Measure Unit)
4.19	Stamping	EWS should be supplied duly stamped by Dept. of Weights and Measures

## 5.0 REMOTE DISPLAY UNIT (RDU)

S. No.	REMOTE DISPLAY UNIT (RDU)	
	Functional Requirement	To display pourer members milk collected & milk testing and other Selected parameters in English/ Local Language
5.1	Type	Wall mounted type
5.2	Display Parameters-	The digital display should be able to display the following: Members Code, Litre, FAT, SNF, Amount & etc. generally to meet the need of the users.
5.3	Interface	RS-232 / USB Host
5.4	Display Type	7 Bright segments Red LED of 0.56 "height (or suitable to meet the requirements)
5.5	Environment	Dusty Humid, preferably housing to be with IP55 or equivalent protection rust proof powder coated metallic.
5.6	Connecting Cables	Minimum 3m Power cable with plug top with connector at both ends, Minimum 3m Data cable with connector at both ends

## 6.0 Ultrasonic Milk Sample Stirrer

6.1	Functional Requirement	To remove air from fresh milk sample by vibrations created in the milk before testing of milk.
6.2	Type	Table top, Ultrasonic Stirrer
6.3	Stirrer for Ultra sonic Stirrer	Ball type
6.4	Ultrasonic Frequency	20-25 KHz (Variable)
6.5	Timer	Suitable fixed timer for degassing a raw milk sample
6.6	Environment	Suitable for dusty/ humid village environment operating temperature-5 to 50 Degree C
6.7	Connecting Cables	Minimum 1.5 m Power cable with plug top.
6.8	Complete ready to use	Item complete in all respect with required electric/ electronic parts, ready for use at site.
6.9	MoC for body	MS Powder Coated
6.10	Operating Voltage	230 Volts+/-10, AC, 50 Hz or 12 Volts DC

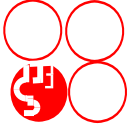
## 7.0 Power Back-up Solution:

S. No.	Particulars	Specification
7.1	Functional Requirement	The Power Back-up system for Data Processor Milk Collection Units (DPMCU) is required to install in rural areas at milk collection points. This system consisting with battery must be able to run the entire system on battery when Grid Power goes off for minimum 2 hours in a shift.
7.2	Average Output Power load	300 Watts minimum approx.
7.3	Back up time (Full Load)	<b>2-hrs minimum (in one shift)</b>
7.4	Output sockets	Suitable number of sockets as required for the respective components of DPMCU.
7.5	Min. Battery Size	1 x 100 Ah
7.6	Battery Charging	• Grid Charging: At 110 & 300 V AC with SMPS charger
		• Boost charging at minimum 7A Approx.
		• Battery overcharge protection
	Battery Type	Industrial Tubular low maintenance battery
Battery feature	Battery level indicator	
	Battery Rating	12 V, 100 Ah.
	Battery units	1 No.
	Charging Indicator	Battery charging indicator plus low battery/ fault indicator to be provided
	Leads for Connection	Suitable connecting cables required for the respective items of DPMCU.
7.7	Operating Environment	Temp 5-50 Deg. C; RH-85% non-condensing, Dusty Environment

**SCHEDULE-III**

**Technical Bid**

<b><u>Sr.no.</u></b>	<b><u>Item</u></b>	<b>AS PER</b>	<b><u>YES/NO</u></b>	<b><u>REMARK</u></b>
1.	Supply & Installation of DPMCU with DATA Processor, DOT Matrix Printer, Milk Analyzer, Electronic Weigh Scale, REMOTE DISPLAY UNIT (RDU), Ultrasonic Milk Sample Stirrer, Power Back-up Solution	<b>TECHNICAL SPECIFICATION IN SCHEDULE -II</b>		



# BUNDELKHAND SAHAKARI DUGDH SANGH MARYADIT

**SIRONJA, SAGAR (M.P.) 470004**

AN ISO 9001 : 2015 Certified Organization

E-mail: sanchimccsagar@gmail.com

Phone 07582-281345

## **SCHEDULE – IV**

(To be submitted along with the offer)

### **Form – A**

Chief Executive Officer

Date :

BKDS,

Sagar

Dear Sir,

I/We hereby furnish below some particulars about our company/unit which will form a part of our offer submission :

1. Name of the Co./Unit : \_\_\_\_\_
2. Address of the Co./Unit : \_\_\_\_\_  
\_\_\_\_\_
3. Telephone Nos.(with STD Code) : \_\_\_\_\_  
Mobile No. : \_\_\_\_\_  
FAX No. : \_\_\_\_\_  
Email ID : \_\_\_\_\_
4. Name of the CEO/Proprietor/ Partner : \_\_\_\_\_
5. Name and designation of other : \_\_\_\_\_  
Authorized signatory of the Co./  
Unit.
6. Particulars of Regn. Certificate as a  
Manufacturer Issued by the competent authority  
(Regn No. & Date) (Enclosed Copy) : \_\_\_\_\_
7. GST NO. \_\_\_\_\_ dated \_\_\_\_\_
8. Details of PAN CARD (Enclosed Copy): \_\_\_\_\_
9. Income Tax return (Enclose Copy): \_\_\_\_\_
10. Name of Bank & RTGS/NEFT No.: \_\_\_\_\_  
Enclose cancelled cheque: \_\_\_\_\_



11. Have your Co./Unit or its sister concern ever been black listed/ debarred by BKDS Sagar or its sister Milk Unions or GOI /GOMP & its undertaking ? YES / NO
- 12 If Yes, when & Why? Give reason in details.

I/WE HAVE READ THE TERMS AND CONDITIONS OF THE TENDER DOCUMENT. WHICH ARE ACCEPTABLE TO ME/US. NO ADDITIONAL CONDITION.DEVIATION OR POINT OF DIFFERENCE HAS BEEN GIVEN BY ME/US.  
I AM PROPRIETOR / MANAGER/ DIRECTOR \_\_\_\_\_ OF THE TENDERING FIRM AND HAVE BEEN AUTHORISED TO SUBMIT. THE AUTHORITY LETTER IN THIS REGARDS IS ENCLOSED HEREWITH.

DATE:

SEAL AND SIGNATURE OF TENDERER

NAME OF SIGNATORY

DESIGNATION

**Seal & Signature of the  
Authorised Signatory of the Co./Unit**

**SCHEDULE IV**

**(To be submitted along with the offer)**

**Form B**

**CHIEF EXECUTIVE OFFICER**

**Date:\_\_\_\_\_**

**BKDS, SAGAR**

Dear Sir,

I/We furnish here below more particular about our Company/Unit which will form a part of our Tender rate submission against your Tender Notification No. \_\_\_\_\_ Dated \_\_\_\_\_:

1. Items manufactured at our Unit : \_\_\_\_\_

2. Capacity of the Plant : \_\_\_\_\_

3. Is there any break in your production/  
business activities during the past 5 : \_\_\_\_\_  
years period? If so, give details thereof.

4. Your customers/client on current list : 1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_

5. Have/Are you supplied/supplying : \_\_\_\_\_  
items of similar nature to any Dairies  
under coop. sector ? if yes to whom  
and how long ?

I/We hereby undertake that information furnished in the Tender documents are correct to the best of our knowledge and belief.

**Place:**

**Date:**

**Seal & Signature**



**BUNDELKHAND SAHAKARI DUGDH SANGH MARYADIT**

**SIRONJA, SAGAR (M.P.) 470004**

AN ISO 900 : 2015 Certified Organization

E-mail: sanchimccsagar@gmail.com

Phone 07582-281345

**SCHEDULE -IV**  
**FORMAT FOR QUOTING RATES**

<b>S. No.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>RATE FOR DPMCU (FOR Destination &amp; Inclusive of P&amp;F, Freight, Taxes applicable &amp; all other charges (In Rs.))</b>
A.	Supply & Installation of DPMCU with DATA Processor, DOT Matrix Printer, Milk Analyzer, Electronic Weigh Scale, REMOTE DISPLAY UNIT (RDU), Ultrasonic Milk Sample Stirrer, Power Back-up Solution	1 Set ( as per technical specifications)	

**Date:**

**Place:**

**Signature of authorized of the Unit**

**(With Seal)**