

## BHOPAL SAHAKARI DUGDH SANGH MARYADIT

HABIBGANJ, BHOPAL (M.P.) 462024

AN ISO 9001 : 2015 Certified Organization

E-mail:bsdsim@gmail.com

Phone 0755-2450896

Ref No: 8632-8660

Dated: 27/09/2023

Bhopal Sahkari Dugdh Sangh Maryadit, Bhopal related milk cooperative societies and chilling centers formed in the rural areas of Bhopal, Sehore, Raisen, Vidisha, Rajgarh, Shajapur, Hoshangabad, Harda, Betul, Guna, and Ashok Nagar & other areas under bhopal sahkari dugdh sangh maryadit, have M/s Reel, Akash Ganga, (Kamdhenu), Prompt, and Stellapps, the company's installed electronic milk collection and testing equipment like Automatic Milk Collection Unit (Computer+Printer+EWS+Milk Analyser), Automatic Milk Collection Unit (Computer+Printer+EWS+EMT), Data Processor Milk Collection Unit (Data Processor+ Printer+EWS + Milk Analyser), Data Processor Milk Collection Unit (Data Processor+ Printer+ EWS + EMT) and Electronic milko tester + Electronic weighing scal (EMT+EWS) etc. Systems with Software and hardware's comprehensive annual maintenance of existing systems with supply/replacement of new systems like Milk analyzer, DPU, Printer, as per specification mentioned in the tender for each dcs the same are invited online.with installation and commissioning of **MILK TESTING EQUIPMENTS** at DCS as mentioned above of from reputed manufacturer/distributor/dealer/suppliers. The tender documents containing the terms and conditions can be purchased online & downloaded through following website <http://www.mptenders.gov.in> from 27.09.2023 onwards. The tender will be opened in the office of the undersigned as mentioned in tender time schedule (key date). The detailed Tender Form can be seen (only for reference) at our HO website:[www.sanchibhopal.com](http://www.sanchibhopal.com). Any changes in tender documents will be notified on above website only and not at any other sources/platforms, hence bidders are requested to visit the site regularly. The Chief Executive Officer Bhopal Sahakari Dugdh Sangh Maryadit has all the right to accept or reject any or all bids.

Starting date and time of tender form downloading	Last date and time for filling the tender	Date and time of opening of technical tender	Amount of tender form Rs.	EMD ( Rs.)
28.9.2023 11.00 AM	4.10.2023 12.00 Noon	5.10.2023 1.00 PM	1000.00	150000.00

CHIEF EXECUTIVE OFFICER

**BHOPAL SAHAKARI DUGDH SANGH MARYADIT**

**HABIBGANJ, BHOPAL (M.P.) 462024**

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**Ref No:**

**Date:**

**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 ANNUAL MAINTANANCE AND SUPPLY/ REPLACEMENT OF ELECTRONICS LAB EQUIPMENT**

**TENDER DOCUMENT**

Schedule I	:	General Terms &Conditions.
Schedule-II	:	Specifications
Schedule III	:	Scope of work
Schedule IV	:	Price Bid
Schedule V	:	Form A & Form B
Tender Cost	:	Rs.1000/-(Rupees one thousand only)
EMD	:	Rs.150000/-
Tender Document Download/Sale Start Date	:	28/09/2023 Time 11:00 AM Onwards Tender
Document Download/Sale End Date	:	4/10/2023 Time 12:00 NOON
Technical Bid Opening Date	:	05/10/2023 Time 01:00PM
Place of opening of Tender	:	Office of the Bhopal Sahakari Dugdha Sangh Maryadit, bhopal.
Address for Communication	:	The CEO, Bhopal Sahakari Dugdha Sangh Maryadit, bhopal 470004.

**CHIEF EXECUTIVE OFFICER**

## **SCHEDULE - I**

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

Bhopal Sahakari Dugdha Sangh Mydt, an ISO certified cooperative organization, invites e- tender 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 Bhopal Sahakari Dugdha Sangh Mydt. 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/services 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 of experience in the field of services & supply of AMCU/DPMCU to Co-operative Dairies. Such Tenderer shall be eligible for participating in this tender.
- 2.2** Tenderer should supply Printer, Milk Analyzer with stirrer and DPU as per specifications mentioned in tender.
- 2.3** 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)
- 2.4** 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, Bhopal Sahakari Dugdha Sangh Mydt, and correspondence thereafter will be made at the changed address.
- 2.5** 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.
- 2.6** The acceptance of the tender and award of the purchase order will be the sole right of the Chief Executive Officer, Bhopal Sahakari Dugdha Sangh Mydt. 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.
- 2.7** The Chief Executive Officer, BDS bhopal reserves the right to place order for whole requirement with any tenderer or split the orders among one or more tenderer or not to purchase at all any item even after rate approval.
- 2.8** 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)
- 2.9** The Tenderer should submit the tender rates in the Schedule IV only. The conditional tenders are liable to be rejected.
- 2.10** No person or firm is permitted to submit more than one tender under different names.
- 2.11** 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, BDS during the supply/services.
- 2.12** Demonstration of articles available with the firm shall be arranged by the tenderer at his own cost, whenever requested by Bhopal Sahakari Dugdha Sangh Mydt.
- 2.13** 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).
- 2.14** By the Chief Executive Officer, Bhopal Cooperative Milk Union Limited. Tender is invited for replacement of Milk analyzer with stirrer (Combined Model), DPU, which can be work offline & online, Printer, with three years comprehensive warranty as per tender specifications and annual maintenance of hardware and software of all other parts of use in AMCU/DPMCU to all mentioned district cooperative society (DCS) as per mentioned terms & conditions of the tender please read the conditions mentioned in the tender form carefully.
- 2.15** Tenderer have to give 3 years comprehensive warranty to all new equipment as well as to take annual maintenance contract ((AMC) for remaining equipment of AMCU/DPMCU. This is mandatory to tenderer to bid for all dcs systems as per these conditions.
- 2.16** The tenderer should have a strong service networking the districts under the jurisdiction of Bhopal Milk Union to provide services at the rural level. By the tenderer of Bhopal Milk Union.
- 2.17** It is mandatory to submit details of the centers and service personnel of the districts under the work area.

- 2.18** The rate to be filled in the tender will include the maintenance/repairing charges for 3 years and site visit charges for 3 years of all parts used in AMCU/DPMCU machines, as well as to give 3 years comprehensive warranty and services for supplying new systems for each dcs as mention in above points, no additional payment will be made from the Bhopal Milk Union level for next 3 years.
- 2.19** After acceptance of his tender, the tenderer will have to execute the contract by accepting the conditions mentioned in the attached contract letter.
- 2.20** contract it is written Equipment contracted by the first party to the second party for the comprehensive annual maintenance with supplying new equipment including of hardware and software along with all the spare parts for the period from date to date.(On non-judicial stamp paper of Rs 1000/-):: contract letter ::This contract dated today executed between the following parties to be done :-First Party: Chief Executive Officer, Bhopal Cooperative Milk Union Limited, Dairy Plant Habibganj, Bhopal second partyThis agreement is executed between the said parties subject to the following conditions -2) That the dateThe annual rates of the equipment & services for the period from date to date will be as follows for the next 03 years, in which on completion of the said tender period and the work is found satisfactory, after the recommendation of the authorized committee, the contract period will be increased by one year up to additional two years as per the approved rates. And it will be done on conditions.

S.No.	Equipment Description	Company Name	Qty	Locations
1	PCMCU/AMCU	Reel	298	Bhopal/Sehore/Rajgarh/Betul/
	PCMCU/AMCU	Akash Ganga	230	Shajapur/Guna/Raisen/Vidisha/
	PCMCU/AMCU	Prompt	60	Hoshangabad
2	PCMCU/AMCU	Reel	72	Sehore/Rajgarh/Betul/Shajapur
3	DPMCU	Reel	50	Bhopal/Sehore/Rajgarh/Betul/
				Shajapur/Guna/Raisen/Vidisha/
				Hoshangabad
4	DPMCU	Stellapps	199	Bhopal/Sehore/Rajgarh/Betul/
				Shajapur/Guna/Raisen/Vidisha/
				Hoshangabad
5	DPMCU	Reel	200	Bhopal/Sehore/Rajgarh/Betul/
				Shajapur/Guna/Raisen/Vidisha/
				Hoshangabad

- 3.0** That, while visiting the milk centers/dcs, the tenderer will have to obtain the visit certificate from the concerned society manager/operator or the officer/employee authorized by BDS.. The format of Visit Certificate will be provided from the BDS, which forms part of this contract.
- 3.1** That, providing software supports for the existing installed equipment and integrate them with each related equipment to fulfill dcs needs would be their responsibility and keeping records will also be of the concerned company. Program Software and WindowsThe software will also have to be provided to the same company, for which no fee will be payable. Also no charge for re-installation in case the software gets damaged.The work shown in the tender is related to the supply,maintenance and services of equipment installed in rural milk producer cooperative societies and chilling centers.
- 3.2** Therefore, it is necessary to provide timely services/quick resolution of problems. Under no circumstances will any unethical behavior be tolerated by the tenderer by offering compensation either in cash or kind or in any form for accepting rejected material or to obtain business in excess of the accepted quantity. will go. In any case, if it comes to notice that the tenderer or any of his employee/representative/agent has done such unfair business/behavior with any employee of the Milk Committee, then the work order will be terminated with immediate effect.
- 3.3** That the tenderer should not work in any committee and take cash payment.If this is done then action will be taken against the person concerned.The jurisdiction of the court will be Bhopal.Initially the validity of the work will be of three years,which can be extended for a maximum of 02 yearswith the mutual consent of both the parties.That,if any dispute arises, the matter can be presented to the Managing Director, MPCDF for resolution. Incase there is no resolution, action can be taken as per the provisions of the Arbitration Act 1996. The said contract was executed voluntarily, with a pure mindand without any pressure, in full consciousness, after reading and understanding it in the presence of the following witnesses. Place: Date:First Party SecondParty SignatureContractor Chief Executive Officer,Cooperative Milk Union Limited.

3.4 All the tenderer are required to deposit Earnest Money **Rs.150000/-** on line. As the tender will be finalized the unsuccessful tenderer will get back the EMD from MPTENDERS (aspertheirnorms) online 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.

3.5 The earnest money deposit of the successful tenderer will be released on completion of supply/work as the case may be within the stipulated period without any interest.

3.6 No interest will be paid on the earnest money for the period during which (theEMD) lyingin deposit with Bhopal Sahakari Dugdha Sangh,Maryadit.

#### 4.0 **PRICES:**

4.1 Rate should be quoted for the material as per the terms & conditions given in 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 Bhopal Sahakari Dugdha Sangh Mydt,in writing that such doubts may be removed before submitting the tender.

4.2 Prices offered by the tenderer should be firm, free from all escalations and unconditional and shall be valid at least for a period of 3 years from the date of approval of rates. We would communicate our rate approval within 30 days of opening of tender.

4.3 TheTenderer should quote rate on F.O.R Dairy BDS basis & have to quote rate in one for all.

4.4 The tender should quote rates inclusive GST and transportation.

4.5 If needed, negotiations will be done for prices and as well as terms & conditions of material-equipment/spares supply/services only with the party which offers the lowest rate.

#### 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 duringtransit.

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 thebills.

#### 6.0 **ELIGIBILITY CRITERIA**

6.1 The tenderers should submit copy of IT Return for Last Twoyears.

6.2 The tenderers should submit copy of PANCard.

6.3 The tenderers should submit Filled Form-A & attached related document as per FormA.

6.4 The tenderers should submit EMD(online).

6.5 The tenderers should submit copy of Firm Registration certificate.

6.6 The tenderers should submit proof for they have local office in Bhopal & strong service network in Madhya Pradesh to provide installation, training and onsite after sale service at village DCSlevel.

6.7 Manufacture/Channel Partner/OEM Authorization Certificates/License for each item is to be attached with tender documents.

6.8 Tenderers must have done successfully integration with ERP of Bhopal Sahakari Dugdha Sangh Maryadit/any other Sangh of MPCDF as well as liable to provide field support in every dcs where erp is running.

**(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 BHOPAL SAHAKARI DUGDH SANGH MARYADIT, HABIBGANJ-BHOPAL(M.P)**

## **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 to. 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/services 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/services the materials as per specification/material quality, BDS Bhopal will have right to give order to the other bidders whom participated in the same tender and willing to supply or give services on L-1 approved rates for which BDS 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, and services on field by concern department found not satisfactory level so 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 the tender, or the services are not on satisfactory level. The consignment will be rejected & order will be on hold. 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 BDS. No payment shall be made against the rejected materials & dis-satisfactory services.

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 have to submit their customers list along with the performance report of consignees compulsory.

## **10.0 PAYMENT:**

10.1 30% advance against 30% of BG & 40% against delivery of machine/equipment/services/spares in good condition at site and after physical inspection and verification by concern department.

10.2 Balance 30%, on monthly basis.

## **11.0 WARRANTY**

All the Supplied items shall be warranted for three years from the date of receiving of material at the union with comprehensive annual maintenance and AMC for 3 years of remaining all existing equipment in dcs.

## **12.0 TERMINATION OF CONTRACT:**

If any act of commission or omission of a unit under contract brings Bhopal 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, Bhopal 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, Bhopal 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, Bhopal Sahakari Dugdha Sangh Mydt. Under Arbitration and Conciliation Act. 1996 shall be final and binding on all he concerned.
- 14.3** For all disputes, the venue for legal course shall be at Bhopal
- 14.4** If the tender opening date become any govt. holiday then the next day may considered for tender opening.

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

## **SCHEDULE - II**

### **SPECIFICATIONS**

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

##### **1. Functional Requirements:**

- 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 there of 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:**

- 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. Bidder can offer better & higher version specs if available with the 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 outage and supply fluctuations are frequent. The operators may not be skilled persons and not conversant in using electronic equipment:

1. Power supply: 160 to 260 + 10% V (AC); 50 Hz + 3% or 12 V (DC)
2. Ambient Temperature: 5-50°C
3. 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.

##### **Training**

- Comprehensive training for 01 day in classroom.
- 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 & 2<sup>nd</sup> month of installation refresher training in group shall be imparted at an odd allocation.
- 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.



## Specification for Data Processor Milk Collection Unit (DPMCU) for Milk Pooling Point (MPP) at Village level

- 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–

### 1. TECHNICAL SPECIFICATION FOR DATA PROCESSING UNIT (DPU)

1	Operational Requirement	Provision of import of Producer master, Rate chart data from Milk Union/main dairy plant through pen-drive (USB/Serial/SmartCard) 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 pendrive (USB/Serial) to other computer Through a customized utility software.
		Report as under:
		Producer Slip in English.
		Customized reports as per Milk union requirement with possible inputs.
		Entering of Milk Rate Chart by Pendrive (USB/Serial).
		Two sets of 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 back up through USB Pen Drive.
		Input services data entry and storage.
To develop, if any additional report required by purchaser.		
2	Body Type	Stainless Steel
3	Screen	7-inch Colorful TFT Screen
4	Printer	Inbuilt 2-inch Thermal Printer
5	Keyboard	Standard Keyboard (qwerty type)
6	Connectivity	RS 232
7	Technology	ARM STM32F429IGT6, 32 Bit Microcontroller Based
8	Memory	8GB with 10Year Data Storage Facility
9	Power Supply	140-270V for AC and 12V for DC
10	Operation Requirement	Flexible to change as per Customer Requirements
11	Firmware upgrade	Firmware upgrading by USB interface and through central server
12	Rate Chart	Uploading of milk price chart by encrypted pen drive (USB) and / or online transfer.
13	GPRS Connectivity	4G Modem with dedicated SIM slot

## 2. TECHNICAL SPECIFICATION FOR MILK ANALYSER CUM STIRRER

Sr. No.	Particulars	Specification
1	Functional Requirement	<p>A) To test &amp; display fat, SNF &amp; added water of sample milk. MILK ANALYSER should have facility to communicate with DPU</p> <p>B) Milk Analyzer shall have alert for cleaning of the analyzer and finally at the time of shift closure should alert for flushing/cleaning.</p> <p>C) Cleaning Alerts: Shut Down by proper functionality of water sucking in while shut down, Interlocking for Cleaning /Flushing: Analyzer should initialize the Flushing/cleaning cycle when switched Off after shift closer or shut down by switching of the Analyzer.</p>
2	Type	<p>Ultrasonic principle based</p> <p><b>Measuring Range:</b></p> <p>1) Fat: 0.5% to 12% or more. Accuracy +/- 0.1% Resolution: 0.01% Repeatability: +/- 0.05 %</p> <p>2) SNF: 6% to 12 % or more Accuracy +/- 0.15% Resolution: 0.01% Repeatability: +/- 0.05 %</p> <p>3) Added water: 0% to 60% Accuracy +/- 5%, Resolution: 1% Repeatability 0.5%.</p> <p>4) Density = 1.0220 g/cm<sup>3</sup> to 1.0360 g/cm<sup>3</sup> Accuracy +/- 0.0005 g/cm<sup>3</sup></p> <p>5) Measuring cycle- 38 sec. / Sample</p> <p>6) Average testing speed – Min. 70 samples/ hrs.</p>
3	Operational abilities	<p>7) Mode selection:</p> <ol style="list-style-type: none"> <li>1. Type of milk – Cow / Buffalo / Mixed</li> <li>2. Cleaning,</li> <li>3. Calibration,</li> <li>4. System error list etc.</li> </ol>
4	MoC for enclosure	AISI 304 (With Certificate of Confirmation of AISI 304), min 0.75 mm thick, dairy finish
5	Loose Accessories	<ol style="list-style-type: none"> <li>1. Holding bottom tray for spillage- 1 No.</li> <li>2. RS 232 Serial Cable- 1 No.</li> <li>3. Power cable with plug top- 1 No.</li> <li>4. Measuring mugs - 2 No</li> <li>5. Daily cleaning solution - No. of Bottle 3 (Quantity minimum 200 ml each or equivalent).</li> <li>6. Weekly cleaning solution - No. of Bottle 2 (Quantity minimum 200 ml each or equivalent)</li> </ol>
6	Manual	Operating Manual each in English & as per local language
7	Operating Voltage	12V DC 3.0 Amps
8	<b>THERMO STAT CUP</b>	<p>Use for Analyzer flushing and cleaning for breakdown reduction and system improvement.</p> <p>The Cup for providing hot water with auto cut off. It should have a base to fit-in the Analyzer Suction cavity.</p> <p>Specifications:</p> <p>D) Hot Water Cup for Cleaning with auto-shut off.</p> <p>E) Water Storage Volume: minimum 10-15 ML</p> <p>F) Temperature range and Time: 0 Deg to 70 Deg C. in not more than 60 sec.</p> <p>G) Operation Input DC Volt: 12V,</p> <p>H) Control: Thermostat, Auto Cut off at 65°C.</p> <p>I) Milk Analyser Cleaning only.</p> <p>J) Holding Arrangement: Base Platform to hold the cup in Milk Analyser</p>

**ULTRASONIC STIRRER MUST BE COMBINED WITH ANALYSER IN A SINGLE BODY:**

9	Functional Requirement	To remove air from fresh milk sample by vibrations created by the stirrer
10	Type	Table top, Ultrasonic Stirrer
11	Stirrer for Ultrasonic Stirrer	SS Ball type
12	Ultrasonic Frequency	20-25 KHz (Variable)
13	Timer	1-35 (Max.) Sec. Typicle-13 sec. (selectable) Digital Display.
14	Environment	Suitable for dusty / humid village environment, operating temperature -5 to 50 Degree C
15	Connecting Cables	Minimum 1.5 m Power cable with plug top.
16	Complete ready to use	Item complete in all respect with required electric/ electronic parts, ready for use at site.
17	Operating Voltage	10.5 to 16 Volts DC 2.2 amps. Approx. Over Voltage and Under Voltage Protection.
18	MoC for body	AISI 304 (With Certificate of Confirmation of AISI SS 304), min 0.75 mm thick combined with Milk Analyser Body Model
19	Power Consumption	As per design

**3. TECHNICAL SPECIFICATION FOR THERMAL PRINTER**

Sr. No.	Particulars	Specification
1	Printing Method	Thermal Line Printing
2	Installation	Horizontally
3	Standard Accessories	Roll Paper x 1(for checking the initial movement of the printer, 12V- DC cable, RS-232 Cable
4	Font	9x17 / 12x24, Hanji Font: 24x24, Thai Font: 9x24 / 12x24
5	Character Size (W x H)	0.88x2.13mm / 1.25x3mm, Hanji Font: 3x3mm, Thai Font: 0.88x3mm / 1.25x3mm
6	Character Set	95 Alphanumeric, 18 set International, 128x43 pages (including user-defined page) Hanzi: Simplified Chinese: GB18030-2000:28,553 Barcode: UPC-A, UPC-E, JAN13(EAN13), JAN8(EAN), CODE39, ITF, CODEBAR (NW-7), CODE93, CODE128, GS1-128, Gs1 Data Bar Two-dimensional code: PDF417, QR Code, Maxi Code, 2D Gs1 Data Bar Composite Symbology
7	Characters Per Inch	22.6cpi / 16.9cpi, Hanji Font: 7.8cpi, Thai Font: 22.6cpi / 16.9cpi
8	Interface	Serial RS-232,
9	Buffer	2048K bytes, NV Flash: 256K bytes
10	Print Speed	Max 120mm/s
11	Dot Density	208x208 dpi
12	Paper (Roll Paper (Width & Roll Diameter)	57.5 ± 0.5 (W) x dia. 83.0
13	Power	DC +12V ± 5%
14	Operating	Approx. 3A (Mean/Print ratio 18% with print pattern)
15	Standby	Approx. 0.1A (Mean)
16	Baud Rate	9600

### SCHEDULE - III

Sr.no	Equipment Description	Scope of work
1.1	AMCU ¼Computer+Printer+ EWS +Milk nalyzer(Lactoscan½	Supply and replace current milk analyser with new milk analyser+ stirrer and Printer with 3 year warranty , integration & software upgradation of analyser , Annual maintenance/ repair of all other parts of AMCU.
1.2	AMCU ¼Computer+Printer+ EWS+ EMT½	Supply and replace current EMT with new milk analyser+ stirrer and Printer with 3 year warranty , integration & software upgradation of analyser , Annual maintenance/ repair of all other parts of AMCU.
1.3	DPMCU ¼ Data Processor+ Printer+ EWS+EMT½	Supply and replaceData processing unit( DPU), EMT with new milk analyser+ stirrer and Printer with 3 year warranty integration & software upgradation of analyser , Annual maintenance/ repair of all other parts of DPMCU.
1.4	DPMCU ¼Data Processor+Printer+ EWS+ Milk analyzer(Lactoscan½	Supply and replaceData processing unit( DPU), milk analyser withnew milk analyser+ stirrer and Printer with 3 year warranty integration & software upgradation of analyser , Annual maintenance/ repair of all other parts of DPMCU.
1.5	EMT+EWS	supply new DPU,Printer and milk analyser with Stirrer and replace EMT with new milk analyser with 3 year of warranty, Annual maintenance/ repair of all other parts.

- 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 there of 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 pendrive or printinre port ormat.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 analyzers which can transfer data through RS-232 serialport.
- System must be easy to operate,safe and secure and prevented from unauthorized access.
- Comprehensive warranty for 3 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 staff sare confidenting operation and routin emaintenance.

**SCHEDULE - IV**  
**Price - Bid**

Sr.no	Equipment Description	Company Name	Qty	Locations	Rate Per Unit	Tax
1	replacement with software upgradation of testing equipments with 3years of comprehensive warranty and annual maintenance, repair/ maintenance of all ther parts of AMCU/DPMCU. (as per schedule-III)					
1.1	AMCU ¼Computer+Printer+ EWS +Milk nalyzer(Lactoscan½	Reel	298	Bhopal/Sehore/Rajgarh/Betul/ Shajapur/Guna/Raisen/Vidisha/ Hoshangabad		
1.2	AMCU ¼Computer+Printer+ EWS+EMT½	Reel	72	Sehore/Rajgarh/Betul/ Shajapur/		
1.3	DPMCU ¼ Data Processor+ Printer+ EWS+EMT½	Reel	50	Bhopal/Sehore/Rajgarh/Betul/ Shajapur/Guna/Raisen/Vidisha/ Hoshangabad		
1.4	DPMCU ¼EMT+EWS½	Reel	200	Bhopal/Sehore/Rajgarh/Betul/ Shajapur/Guna/Raisen/Vidisha/ Hoshangabad		
1.5	AMCU¼Computer+Printer+ EWS+Milk nalyzer(Lactoscan½	Akash Ganga	230	Bhopal/Sehore/Rajgarh/Betul/ Shajapur/Guna/Raisen/Vidisha/ Hoshangabad		
1.6	AMCU ¼Computer+Printer+ EWS+Milk nalyzer(Lactoscan½	Prompt	60	Bhopal/Sehore/Rajgarh/Betul/ Shajapur/Guna/Raisen/Vidisha/ Hoshangabad		
1.7	DPMCU ¼Data Processor+Printer+ EWS+ Milk nalyzer(Lactoscan½	Stellapps	155	Sehore/Rajgarh/Betul/ Shajapur/Guna/Raisen/Vidisha/ Hoshangabad/Harda		

**Note : Price Bid to be filled by only online mode.**

**BHOPAL SAHAKARI DUGDH SANGH MARYADIT**

**HABIBGANJ, BHOPAL (M.P.) 462024**

**AN ISO 9001 : 2015 Certified Organization**

**E-mail:bsdsim@gmail.com**

**Phone 0755-2450896**

**SCHEDULE – V**

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

**Form – A**

To

Chief Executive Officer  
BDS, Bhopal

Date:

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): \_\_\_\_\_  
MobileNo. : \_\_\_\_\_  
FAXNo. : \_\_\_\_\_  
EmailID : \_\_\_\_\_
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/NEFTNo.: \_\_\_\_\_  
Enclose cancelled cheque: \_\_\_\_\_

11. Have your Co./Unit or its sister concern ever been black listed/ debarred by BDS Bhopal or its sister Milk Unions or GOI /GOMP & its undertaking ? YES / NO

12 If Yes, when & Why? Give reason indetails.

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**

**To**

**CHIEF EXECUTIVE OFFICER  
BDS, BHOPAL**

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

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 there of.

4. Your customers/client oncurrent 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**