



AMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.,
AT-GOSHALA (BOUDIAPARA), PO : KALAMATI, DIST.-SAMBALPUR-768025

Phone : (0663) 2999015, Mob.No.9437122477

Email : omfedsrcmpul@gmail.com/ Website : www.samul.in

TENDER NOTICE FOR

SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF AUTOMATIC MILK COLLECTION UNIT (AMCU)

SAMUL invites sealed and separate offers for Technical & Commercial bids from reputed Manufacturers/ Distributors for supply, installation, commissioning & testing of Automatic Milk Collection Unit (AMCU) at different Milk Producers' Co-operative Societies of SAMUL. Tender document can be down loaded from web site www.samul.in against payment of Rs.1000/- + 18 % GST or Rs. 1180/- in shape of Demand Draft drawn in favour of Samaleswari Regional Co-operative Milk Producers' Union Ltd., Sambalpur drawn on any nationalized bank payable at Sambalpur. The Tender document should be duly filled & submitted on due date alongwith the cost of paper .

The sealed technical & commercial bid along with EMD as mentioned in the Tender Notice (inside commercial bid) should reach the above addressed office by **Dt.28.08.2024** up to **5 PM**. The Bid shall open on **29.08.2024** at **11.00 AM**, in presence of interested bidders. For details please visit our website www.samul.in.

The corrigendum/ amendment to this notice required shall be published only in the SAMUL website and will not be published again in newspapers.

SAMUL reserves the right to cancel partial or whole tender without assigning any reasonthereof.


GENERAL MANAGER, SAMUL

Memo No.421 dt.05.08.2024

Copy forwarded to : Notice Board/News Paper/SAMUL Website.


GENERAL MANAGER, SAMUL



TENDER DOCUMENT

FOR

SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF AUTOMATIC MILK COLLECTION UNIT
(AMCU)

AT

DIFFERENT MILK PRODUCERS' CO-OPERATIVE SOCIETIES UNDER SAMALESWARI
REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.,

AT-GOSHALA (BOUDIAPARA), PO : KALAMATI, DIST.-SAMBALPUR-768025

Date of Commencement for Sale of Tender Papers : 06.08.2024
Last date & Time for Sale of Tender Papers : 28.08.2024 (Up to 2.00 P.M)
Last Date & Time for receipt of Tender : 28.08.2024 (Up to 5.00 P.M)
(Technical Bid and Price bid in separate sealed covers)
Date and Time of opening of Tender (Technical Bid) : 29.08.2024 (At 11.00 A.M)
Date and Time of opening of Tender (Financial Bid) : Will be intimated to the
technically

Qualified eligible bidders later on.

RECEIPT OF TENDER PAPERS
PLACE OF OPENING OF TENDER }
ADDRESS FOR COMMUNICATION

Samaleswari Regional Co-op.
Milk Producers' Union Ltd.,
At-Goshala(Boudiapara)
Po : Kalamati
Dist.-Sambalpur-768025.

GSTIN- 21AAMAS3215Q1Z8

COST -Rs.1000.00 + GST 18%

SAMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.,
AT-GOSHALA (BOUDIAPARA), PO : KALAMATI, DIST.-SAMBALPUR-768025

Phone : (0663) 2999015, Mob.No.9437122477

Email : omfedsrcmpul@gmail.com/ Website : www.samul.in

Handwritten signature in blue ink, possibly reading "21/08/2024".



AMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.,
AT-GOSHALA (BOUDIAPARA), PO : KALAMATI, DIST.-SAMBALPUR-768025

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TENDER NOTICE FOR

SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF AUTOMATIC MILK COLLECTION UNIT (AMCU)

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The sealed technical & commercial bid along with EMD as mentioned in the Tender Notice (inside commercial bid) should reach the above addressed office by **Dt.28.08.2024** up to **5 PM**. The Bid shall open on **29.08.2024** at **11.00 AM**, in presence of interested bidders. For details please visit our website www.samul.in.

The corrigendum/ amendment to this notice required shall be published only in the SAMUL website and will not be published again in newspapers.

SAMUL reserves the right to cancel partial or whole tender without assigning any reasonthereof.

Handwritten signature and date: 28/08/2024

GENERAL MANAGER, SAMUL

Copy forwarded to : Notice Board/News Paper/SAMUL Website.



AMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.,
AT-GOSHALA (BOUDIAPARA), PO : KALAMATI, DIST.-SAMBALPUR-768025
Phone : (0663) 2950426, Mob.No.9437122477
Email : omfedsrcmpul@gmail.com/ Website : www.samul.in

Bid Identification No. SAMUL/ 420 dt.05.08.2024 /Open Tender

SAMUL invites sealed and separate offers for Technical & Commercial bids from original equipment manufacturer or their authorized channel partner for supply, installation, commissioning & testing of Automatic Milk Collection Unit (AMCU) at different Milk Producers' Co-operative Societies of SAMUL. Tender document can be down loaded from web site www.samul.in against payment of Rs.1000/- + 18 % GST or Rs.1180/- in shape of Demand Draft drawn in favour of Samaleswari Regional Co-operative Milk Producers' Union Ltd., Sambalpur drawn on any nationalized bank payable at Sambalpur.

Name of the ITEM	Capacity	Qty.	Estimated Total Cost (in Lakhs)	Cost of Tender paper (in Rs.)	Availability of tender for on line bidding(Date)		Date of opening	Bid Security (in Lakh), (EMD)
					From	To		
AMCU	Nos.	12	18.0	1000.00 + 18% GST			29.08.24 at 11.00 AM	0.50

2. Bid documents consisting of specifications, the schedule of quantities and detail of terms and conditions of contract and other necessary documents can be seen in the SAMUL website www.samul.in . The corrigendum/amendment to this notice if required shall be published only in the SAMUL website www.samul.in and will not be published again in newspaper.

3. The Bid documents will be available in the website www.samul.in from 06.08.2024(10.00 AM) to 28.08.2024 (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.

(iii) Financial Bid in a separate closed envelope captioned as "Financial Bid" on the envelope.

As mentioned 4 (i) (ii) & (iii) shall have to be deposited in different sealed envelopes within from 06.08.2024 (10.00 AM) to 28.08.2024 (5.00 PM) at the SAMUL Head Office at Goshala (Boudiagara) Po : Kalamati, Dist.-Sambalpur-768025.

Non-submission of cost of bid document and bid security within the period shall debar from participating in the bidding system.

5. Bids shall be received only on or before 5.00 PM of 28.08.2024

6. Bids received shall be opened at 11.00 A.M. on 29.08.2024 at SAMUL Head office in the presence of the bidders. If the office happens to be closed on the last date of opening of the bids as

Handwritten signature and date: 29/08/2024

specified, the bids will be opened on the next working day at the same 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 SAMUL, payable at Sambalpur.

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 & the details of date, time, venue 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 in the SAMUL website (www.samul.in)

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

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


General Manager
,SAMUL

NERAL TERMS & CONDITIONS:

1. Eligibility Criteria

1.1 The manufacturing company should provide after sale service for supply, installation, commissioning & testing of Automatic Milk Collection Unit (AMCU).

1.2 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 2020-21 to 2022-2023
1	AMCU	1.00 Crore

1.3 The bidder should have supplied above Materials to different Milk Unions/Milk Federations/Dairy Plants for the year 2021-22 to 2023-2024 & should submit the proof along with the copy of Purchase Order.

2. **Specification:** Each supply of these materials must conform to the Technical Specification enclosed as **Annexure – I**.

Quantity Requirement: Attached separate as **Annexure – ‘A’**

2.1 The quantity may vary and will be as per rate that will be finalised & at the discretion of SAMUL.

3. **Offer Price/Rate:** quoted should be inclusive of all taxes, transport , insurance charges, installation, commissioning, Training etc.

The offered price should be uniform for all sites at different MPCs of SAMUL inside the State of Odisha irrespective of distance.

3.1 In case there is any increase/reduction in Government taxes, excise, levis, the same will be made effective immediately.

4. **Delivery Time:** Supply, commissioning, testing & running within **15 days** from the date of acceptance of the order directly at site/Societies of member Unions as per requirement.

4.1 The default penalties during deliveries of goods at all destination/site shall be in your accounts and no any extra charges paid for the same.

4.2 The goods to be supplied , shall be fully insured by supplier against loss/ damage incidental to manufacturer or acquisition, transportation, storage and delivery in the manner specified in the condition.

4.3 If any loss/damage occurs, the supplier shall make arrangement for repair and replacement of the same within the stipulated time.

M.P.
5/08/2024

5. EMD/Security deposit:

- 5.1 You are required to pay EMD/security deposit by demand draft drawn in favour of SAMUL, Sambalpur as per the terms of the business.
- 5.2 This EMD/Security Deposit will carry no interest & shall be refunded only after completion of orders/contract satisfactorily and after obtaining clearance certificate from member unions that there are no outstanding dues to be recovered from you.

6. Change in terms, conditions & specifications: In case of any midyear change in terms, conditions & specifications decided by SAMUL management, we reserve the right to cancel the contract with you in part or in full. However, in such instance, we shall provide you with adequate notice period.

7. Inspection: SAMUL reserves the right to depute either our representatives or representatives of our MPCs or of any independent body for inspection of materials while the same are under manufacturing, installation/commissioning etc. To facilitate inspections as and when necessary, you will be required to give prior intimation as to when you are likely to finish manufacturing of equipments. In case during such inspection the result is found unsatisfactory, we reserve the right to take whatever action is necessary to protect our interests. However, at our destination we may decide not to carry the inspection. But we may rely on the certificate of the supplier confirming that equipments manufactured as per the laid down specifications & standards.

8. Insurance for supply : The manufacturer shall have to arrange **all transit risk insurance warehouse to warehouse basis**, including strike clauses, for an amount equal to 110% of the FOR destination value of the Goods, valid for a period of not less than 3 months after the expected date of arrival of Goods at destination.

In the event of any damage to/loss of consignment in transit, it will be your responsibility to lodge necessary claims with the carriers/underwriters and pursue them till settlement. Since the insurance policy will be in our name, if required, we shall give you necessary authorization letter authorizing you to lodge and pursue claims on our behalf with the carriers/underwriters. Also you shall have to make good the losses/damages occurred in transit by making replacement/payment to us in the first instance and if claims are settled by the underwriters and any amounts are realized by us, the amounts thus realized in settlement of claims shall be reimbursed to you. In other words, the prima facie responsibility rests on you for getting compensation of the damage/losses incurred if any, due to all transit hazards.

9. Transportation : The Tenderers is required to deliver the Goods FOR Destination, by road, Transport of the goods to the destination shall be arranged through a reputed and Bank approved transporter having local offices at destination and Sambalpur, and shall be paid for by the Tenderers.

10. Incidental services :

10.1 The Tenderers is required to provide the following services :-

- a) Performance of no-site assembly, installation, hooking-up to existing system, start up, testing performance trial and handing over of the supplied goods.
- b) Furnishing of tools, tackles and spanner etc. required for assembly and maintenance of the supplied goods.



- c) Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods.
- d) Operation, maintenance and repair of the supplied goods for a period of 30 days, provided this service shall not relieve the Tenderers of any warranty obligations under this contract, and
- e) Conduct of training of the personnel, on-site, in assembly, start-up operation, maintenance and repair of the supplied goods, if required.

11.2 Prices charged by the Tenderers for the preceding incidental services are to be included in the price of the contract.

11. Spare parts :

11.1 The Tenderers may be required to provide any or all the following materials and notifications pertaining to spare parts manufactured or distributed by the Tenderer :

- a) Such spare parts as the Committee may elect to purchase from the Tenderer, provided that this election shall not relieve the contractor of any warranty obligations under the contract : and
- b) In the event of termination of production of the spare parts :
 - (i) Advance notification to the Committee of the pending termination, if sufficient time to permit the Committee to procure its needed requirement; and
 - (ii) Following such termination, furnishing at no cost to the Committee the blue prints, drawings and specifications of the spare parts, if and when requested.

12.2 Tenderers shall carry sufficient inventories to assure ex-stock supply of consumable spares such as gaskets, plugs, washers, belts, etc. other spare parts and components shall be supplied as promptly as possible but in any case with six months of placement of order.

12. WARRANTY:

12.1 The Supplier warrants that the goods supplied under the contract are new, unused of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The Supplier further warrants that the goods supplied under this contract shall have no defect arising from design, material of workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied goods in the conditions. The Supplier also guarantees that the goods supplied shall perform satisfactorily as per the designed/rated/installed capacity as provided for the contract.

12.2 The warranty/guarantee shall remain for 12 months after the goods or any portion thereof as the case may be, have been delivered & handed over to the General Manager, SAMUL after the performance of 30 days trial run period.

12.3 The General Manager, SAMUL shall promptly notify the Supplier in writing of any claims arising under this warranty.

12.4 Upon receipt of such notice, the Supplier shall, with all reasonable speed, repair or replace the defective goods or parts thereof, without cost to the General Manager, SAMUL.

12.5 If the Supplier, having been notified, fails to remedy the defects within a period of 30 days the General Manager, SAMUL may proceed to take such remedial action as may be necessary, at the Suppliers risk and expense the without prejudice to any other rights which the General Manager, SAMUL may have against the Supplier under the contract.

The warranty/guarantee shall not cover any damage/s resulting from normal wear and tear or improper handing by the General Manager, SAMUL or his authorized.

13. Terms of payment:

- Bills in triplicate shall be submitted along with a copy of P.O.
- 75 % on safe receipt of material at site.
- 15 % after successful commissioning/testing & running/report of equipment supplied.
- PSD @ 10 % of billed value shall be retained by ordering authority for a period of 01 year from the date of successful commissioning and shall be released subject to satisfactory performance.
- Any other statutory deduction like TDS etc. as applicable

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

15. Termination for default

16.1 The General Manager, SAMUL may without prejudice to any other remedy for breach of contract, by written notice of default sent to the contractor, terminate the contract in whole or in part.

- a) If the contractor fails to delivery an or all the goods within the time period (s) specified in the contract,
Or
- b) If the contractor fails to perform any other obligation (s) under the contract.

16.2 Termination for Insolvency

The General Manager, SAMUL may at any time terminate the contract by giving written notice to the contractor, without compensation to the contractor, if:

- (a) The contractor becomes bankrupt or otherwise insolvent,
- (b) The contractor being a company is wound up voluntarily by the order of a court receiver, liquidator or manager appointed on behalf of the debenture holders or circumstances shall have arisen which entitle the court or debenture holders to appoint a receiver, liquidator or a manager,

Provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the General Manager, SAMUL

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5/20/2021

17. Termination for Convenience

17.1 The General Manager, SAMUL, may by written notice sent to the contractor, terminate the contractor, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is of the General Manager, SAMUL convenience, the extent to which performance of work under the contract is terminated, and the date upon which such termination becomes effective.

17.2 The goods that are complete and ready for shipment within 30 days after the contractor's receipt of notice of termination shall be purchased by the General Manager, SAMUL at the contract terms and prices. For the remaining goods, the General Manager, SAMUL may elect:

- (a) To have any portion completed and delivered at the contract terms and prices; and /or
- (b) To cancel the remainder and pay to the contractor an agreed amount for partially completed goods and for material and parts previously procured by the contractor.

18. Settlements of Disputes

18.1 If the contractor considers any work demanded of him to be outside the requirements of the contract, or considers any drawings, record or ruling of the engineer on any matter in connection with or arising out of the contract or the carrying out of the work to be unacceptable, he shall promptly ask the engineer in written instructions or decision. There upon the engineer shall give his written instructions or decision within a period of fifteen days of such request.

18.2 Upon the receipt of the written instructions or decisions the contractor shall promptly proceed without delay to comply with such instructions or decisions.

18.3 If the engineer fails to give his instructions or decisions in writing within a period of fifteen days after being requested, or if the contractor is dissatisfied with the instructions and decisions, he shall appeal to the General Manager, SAMUL which shall afford an opportunity to the contractor to be heard and to offer an evidence in support of his appeal. The General Manager, SAMUL shall give a decision within a period of thirty days after the contractor has given the said evidence in support of his appeal.

18.4 If the contractor is dissatisfied with this decision, the contractor within a period of thirty days from the receipt of the decisions shall indicate his intension to refer the dispute to arbitration, failing which the said decision shall be final and conclusive.

19. Arbitration

All disputes or differences in respect of which the decision is not final and conclusive shall, on the initiative of either party, be referred for adjudication as per the Arbitration And Conciliation Act 1996

20. Applicable law

The contract shall be interpreted in accordance with the laws of the union of India.

5/08/2014

Notices

- 1 Any notice given by one party to the other pursuant to the contract shall be sent in writing or by telegram/ fax/ cable and confirmed in writing to the address specified for that purpose in the special conditions of contract.
- 21.2 A notice shall be effective when delivered or on the notice's effective date, whichever ever is later

22. Taxes and Duties

The contractor shall be entirely responsible for GST, all taxes, duties, license fees etc compliance to the labour law. incurred until handing over of the goods and services to the SAMUL. All Government fees paid for inspections and approvals by statutory authorities shall be reimbursed by SAMUL on production of copy of treasury Challan for same. Service charges for depositing the govt. fees or submission of requisite forms with the statutory authorities shall be not being admissible.

23. Documents to be submitted in technical bid:

- Certificate from the clients 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 2020-21 to 2022-23,
- IT returns for the financial year 2020-21 to 2022-23.
- Credentials in support of supply of above materials.
- Performance certificate issued by the clients are to be furnished.
- Demand Draft towards tender paper cost of Rs.1180.00
- Demand Draft towards EMD as per Tender Notice.
- Printed technical literature / catalogue of Materials.
- 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).

24. Other Terms and Condition:

- 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.

25. VALIDITY OF OFFER:

01 year from the date of notification.

Signature with Seal:

Date



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COMMERCIAL BID FORMAT

SI No	Name of Item	Quantity	Unit Price with FOR (in Rs.)	Taxes (in Rs)	Total Amount Including all (in Rs.)
1	Automatic Milk Collection Unit (AMCU) Including operating Software				

Signature:

Seal:

Date:

Handwritten signature and date: 21/09/2024

DECLARATION

(To be filled in party's letter pad)

I/WE DECLARE THAT I/WE HAVE GONE THROUGH THE ABOVE MENTIONED CONDITIONS IN DETAIL BEFORE FILLING UP OUR RATES AND SUBMISSION OF THE TENDER PAPER. I/WE ARE AGREEING TO ABIDE WITH THESE CONDITIONS UNTIL THE FINALISATION OF THE TENDER.

Enclosure

Signature :

Name of Firm:

TIN/CST No.

Address :

Date:

Telephone No:

Handwritten signature and date: 15/09/2024

TECHNICAL DEVIATION STATEMENT FORM

The following are the particulars of deviations from the requirements of the tender specifications.

CLAUSE	DEVIATION (Including justification)	REMARKS
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Dated- _____ Signature and seal of the
Manufacturer / Bidder

Note:

- (3) Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviations".
- (4) The technical specifications furnished in the bidding document shall prevail over those of any other document forming a part of our bid, except only to the extent of deviations furnished in the statement.

12/30/2020

DECLARATION REGARDING NOT BLACKLISTED

Date-

To,

The General Manager
Samaleswari Regional Co-operative
Milk Producers' Union Ltd.
At-Goshala (Boudiapada)
Po-Kalamati
Dist.-Sambalpur-768025

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

(Name, Seal, Signature, Date.)

Handwritten signature and date: 17/08/2024

POINTS BIDDERS SHOULD BEAR IN MIND

- I. BIDS CONTAINING DEVIATIONS FROM BIDDING DOCUMENT TERMS AND OTHER CONDITIONS MAY BE REJECTED.
- II. BIDS NOT ACCOMPANIED BY BID SECURITY (EARNEST MONEY DEPOSIT) SHALL BE SUMMARILY REJECTED.
- III. NON-COMPLIANCE WITH EVEN A MINOR TECHNICAL REQUIREMENT SHOULD BE SPECIFICALLY STATED BY THE BIDDERS.
- IV. BIDDERS SHOULD FURNISH THEIR COMPLETE ADDRESS FOR THE PURPOSE OF FURTHER CORRESPONDENCE PERTAINING TO BIDDING DOCUMENT.
- V. CORRECTIONS IN THE BID SHOULD BE NOTED OVER AND INITIALED AT THE PLACE OF CORRECTIONS.
- VI. NEGLIGENCE OF THE BIDDER IN PREPARING THE BID CONFERS NO RIGHT TO WITHDRAW THE BID AFTER IT WAS OPENED.
- VII. SPECIFICATIONS, CONDITIONS, SCHEDULES AND DRAWINGS OF BIDDING DOCUMENT CONSTITUTE AN INTEGRAL PART OF THE BID.
- VIII. ALL THE BIDS ALONGWITH ENCLOSURES, DRAWINGS AND TECHNICAL LITERATURE SHOULD BE IN ENGLISH ONLY.
- IX. BIDDING DOCUMENT SHALL BE GOVERNED AND INTERPRETED ACCORDING TO THE SYSTEM AND COMPONENTS UNDER TROPICAL CONDITIONS.
- X. ALL THE BIDDERS SHOULD SUBMIT QUALIFICATION APPLICATION IN THE GIVEN FORMATS WITH REQUIRED DOCUMENTATION.
- XI. BIDS SHOULD BE KEPT VALID FOR ACCEPTANCE FOR A PERIOD OF 90 DAYS FROM THE DAY BIDS ARE OPENED.
- XII. THE BIDDING DOCUMENT SHALL BE GOVERNED AND INTERPRETED ACCORDING TO THE LAWS OF THE UNION OF INDIA.
- XIII. ALL BIDDERS ARE URGED TO SUBMIT PROMPTLY WRITTEN REQUESTS ON MATTERS WHERE CLARIFICATIONS OR ADDITIONAL INFORMATION ARE DESIRED, NOT LATER THAN SEVEN DAYS BEFORE BIDS ARE DUE TO OPENING. NO EXTENSION IN DUE DATE OF SUBMISSION OF BIDS WILL BE ALLOWED ON THIS GROUND.
- XIV. ALL THE BIDDERS SHOULD QUOTE FOR THE ITEMS AS PER THE SPECIFICATIONS AND DETAILS GIVEN IN THIS BIDDING DOCUMENT ONLY. IN CASE, ALTERNATIVE DESIGNS ETC. ARE TO BE OFFERED BY THE BIDDERS, THEY MAY DO SO BUT THIS SHOULD BE STATED SEPARATELY IN THE OFFER. ORISSA STATE CO-OPERATIVE MILK PRODUCERS' FEDERATION LIMITED RESERVES ITS RIGHT TO ACCEPT OR REJECT SUCH ALTERNATIVE OFFERS, WITHOUT ASSIGNING ANY REASONS THEREOF TO THE BIDDERS.
- XV. THE BIDDERS WHO QUOTE FOR SUPERVISION OF ANY VANS SHOULD ALSO INDICATE THE PRICES IN THE BID SEPARATELY.
- XVI. GENERAL MANAGER, SAMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD., SAMBALPUR RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS WITHOUT ANY EXPLNATION TO BIDDERS.

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ANNEXURE - 'A'

REQUIREMENT OF MATERIALS/ITEMS

Sl.No.	Name of the ITEM	Capacity	Qty.	Place
1.	AMCU	Nos.	12	12 Nos. existing DCS

5/08/2023

AMCU with Operating Software

Technical Specifications for Automatic Milk Collection Unit

1.0 Functional Requirements

- 1.1 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 co-operative society/MCC.
- 1.2 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.

2.0 Design & Other Requirements :

The AMCU 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 weight age.

2.1 Operating Environment :

All the components of the AMCU 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

* Ambient Temperature : 5 : 50°C Relative Humidity : 50% to 95%

2.2 Operational provisions :

2.2.1 Installation and Commissioning : This is a complete job for supply, installation, testing and commissioning of the AMCU and any item not mentioned in this document but necessary for the proper functioning of the unit shall be provided by the supplier free of cost. All the components of the AMCU should be assembled, configured, commissioned and demonstrated for the purpose of smooth milk collection by the supplier to the satisfaction of the user. The bidder should install and provide all the inputs/materials for the proper earthing as per local Electricity Board Regulations.

2.2.2 Warranty : All the components included in the AMCU shall be warranted for 3 year comprehensive warranty except Burnt & broken items are not covered. Supplier to ensure the installation and commissioning of proper earthing before start of actual operation of AMCU.

Sr.No	Particulars	Specification
3.0	Basic Operations at Society	<p>All operations are manual or semi-automated at society level. No regular power supply is available and fluctuation in power supply is very high. Clean and dust free environment cannot be guaranteed. The operators may not be IT savvy.</p> <p>Major Activities at Society.</p> <ul style="list-style-type: none"> . Purchase of Milk . Payments to producers for milk poured, government subsidies, incentives for quality etc. . Purchase of Cattle feed. . Purchase of Ghee . Other Purchases . Expenditure for Services . Other Expenditures . Local Sale of Milk . Supply/Sale of Milk to the Union . Sale of Cattle Feed . Sale of Ghee . Support of AH, AI etc . Income from Services . Other Income
4.0	AMCU-Functional Requirements	<ul style="list-style-type: none"> . The Unit should be suitable for instant weighing of milk, measuring record fat content, calculating the amount payable to the member based on fat & weight, printing the amount calculated thereof with member identification details. . This unit should also be used for maintaining the complete record of the collection centre as above together with the details of all transactions of the producers/MCC. . Recommended to incorporate capability for online data transfer to Milk Union and designated local Banks for transfer of payments to milk producers in their bank accounts directly.
5.0	Computer Hardware and Software	Models of PC offered should be of Enterprises/Business Class Desktop PC (OEM).Home/SMB Class Desktop PC shall not be accepted with Manufacturer Warranty
5.1	Processor	. 11 th Generation Intel Core,64 Bit, I-5 Processor
5.2	Form Factor	. Tower Model
5.3	Chipset	. Intel Chipset supporting the above processor
5.4	Memory	. 8 GB DDR3 1333 MHz SDRAM expandable to 16 GB
5.5	Internal Storage	. 1 TB SATA II Hard Disk 512 GB SSD
5.6	Removable Media	. DVD+/- RW Writer
5.7	Graphics	. Integrated Intel HD Graphics supporting 1600x1200 Resolutions
5.8	Audio	. Integrated high definition audio
5.9	Network	. 10/100/1000 Mbps Gigabit Ethernet
5.10	Display Monitor	. 18.5" wide screen LCD/LED Backlit TFT Color HD Monitor with 1366x 768 native resolutions.
5.11	Input Devices	. USB Standard Keyboard and USB Optical button Scroll Mouse with Pad.
5.12	Ports & Connectors	. 3 Serial Port, 1 Parallel Port, 1 VGA Port, 1 Microphone/Headphone Jack, 1 RJ45 Port
5.13	USB Ports	. 6 USB 2.0 Ports (Min. two on front and two on rear side)
5.14	PCI Slots	. Minimum 1 free PCI Slots
5.15	Compatibility	. Window 11
5.16	Operating System-11	. Licensed Windows 11 professional 64 bit Preloaded with OS Recovery Media Driver CD.

Sr.No	Particulars	Specification
5.17	Anti Virus	. Norton,Symantec,etruat,Macfee,Trend Micro,Quick Heal Latest version with three (3) years license.
5.18	Warrantee obligation	. call should be attended by next business day. . problem resolved within 48 hours of attending the call. . within 48 hours in case any part is to be replaced.
5.19	Scope of work	. Installation and configuration
5.20	Application Software	. Supplier to develop and provide Integrated AMCU Software for all functions & requirements of Milk collection centre. Supplier to finalize requirements from EIA for all Milk Collection centers, develop/modify a software and install in each AMCU with a testing period of software for 6 months from the date of installation of software and subsequent one time modifications in the software based on feedback /request from EIA/Milk Collection centers to be done without extra charges. . Software should be Bi-Lingual (English Language) . Data generated from the new system should be compatible with the format in which the data is accepted by the existing system. . The Software should be user friendly, menu driven and provide help facility in local language. . The data input forms, reports, menus etc. should be in English. . The application software, if felt essential by the user may be modified/updated to meet the need of the milk collection centre. . The software should have provision of connectivity of such milk collection center with milk collection agencies head office in the future. . The supplier should also make necessary changes on case-to-case basis, wherever required. The application package should contain legal copy of the database used.
6.0	DOT MATRIX PRINTER	
6.1	Print Method	Impact dot Matrix external printer
6.2	Pins in head	24 pins
6.3	Print Direction	Bi-direction parallel interface USB 2.0 (Full speed)
6.4	Print Speed	300 cps high speed draft, LQ and other features
6.5	Printable column	80 (10 cpi)
6.6	Paper Handing	Pull tractor unit
6.7	Paper path	Manual insertion front or rear in top out: Push Tractor front or rear in top out –front or rear or bottom in and top out.
6.8	MTBF (Hrs at 25% duty cycle)	10000 POH (25% Duty)
6.9	Copy Capability	Original 3 copies
6.10	Cartridge	Ribbon cartridge Black with 2.5 million characters
6.11	Compatible OS with Drivers	MS Windows 8/7/Vista/XP(32bit/64 bit), Windows Server 2003/2008/2012 (32 bit/64 bit)
6.12	Accessories	Roll Stand
7.0	Electronic Weigh Scale	
7.1	Functional Requirement	To Electronically weigh & digital display of milk quantity in litre in a container
7.2	Capacity	200 kg
7.3	Least Count	20 gm
7.4	Weight Accuracy	20 gm as per Standards of W & M Rules 1987 medium accuracy Class III

Sr.No	Particulars	Specification
7.5	Certification & Stamping	Duly Certified and stamped by W&M Dept. and confirming to IS:9281(pt 1&2) 1979, IS:9281 and IS:9281 (pt.4) 1983 as amended up-to-date.
7.6	Display Resolution	1/10,000 (accuracy, Class-III)
7.7	Load Cell	300kg S/S ADI
7.8	Over Load & shock Load Protection	300% to take impact of loading with audio (beep) visual indication
7.9	Platform Size	600 mm X 600 mm
7.10	Platform Moc	AISI SS 304,1.6 mm thick,150 grit top plate
7.11	Platform under frame material/design	<ul style="list-style-type: none"> • Cold rolled mild steel box of adequate size, Hot dip galvanized after fabrication • All screw/bolts/nuts to be of SS.
7.12	Indication in display EWS Unit	Quantity-7 segment RED LED,6 digits,minimum 1.3 mm height,display for mode of operation zero,tare,kg/litre,by default KG.
7.13	Display Unit Mounting	<ul style="list-style-type: none"> • Pole mounted type with sturdy base and SS 304,38 mm dia,pipe 1.2 m high. • SS 304 Body IP 55,Tactile Switch keys with feedback response, auto calibration & auto span with drift correction • RS 232 Serial port with protocol to meet requirement of IBM compatible.
7.14	Calibration protection & Sealing Arrangement	<ul style="list-style-type: none"> • Special arrangement to house PCB & Sealing arrangement
7.15	Load Cell Cable	Load Cell cable from platform to display unit with reinforced heavy duty PVC conduit.
7.16	Battery for working on power failure	In built, 6 V capacity minimum for 6 hrs.
7.17	Power Supply	As given above with minimum 1 m power cable with plug top AC/SC
7.18	Model Approval Certificate	Manufacturer to have model approval certificate of regulatory authority/ Govt of India (Weight & Measure Unit)
7.19	Stamping at Site	Supplier to arrange stamping of each scale at site from local weights & measure inspector before installation. Supplier should include the cost of stamping in the unit of AMCU for the 1 st year only. Stamping of each weighing scale from 2 nd year onwards will be in the scope of EIA.
8.0	Milk Analyzer	Analyzer Inbuilt with Lithium battery Backup Stand by -5 - 6 hours , virtual charging by Electric / Solar panel Cap-40watt.
8.1	Functional Requirement	To test & display FAT, SNF & Added water/Lactose/Protein/ Salts sample Milk
8.2	Type	<p>Direct Measuring Parameters: FAT:0.5% to 12% accuracy+/-0.1% 12% to 15% accuracy+/-0.2% SNF: 6% to 15% accuracy+/-0.15% Temperature : 1°C to 40°C</p> <p>Calculated Parameters: CLR:15 to 40 accuracy+/-1 Protein :2% to 7% accuracy+/-0.1 Lactose: 0.01% to 6% accuracy+/-0.2</p> <p>Resolution: Added Water In Milk 0% to 99% Accuracy+/-3% FAT,SNF,Lactose,Protein,Salts : 0.01% Tempearture : 1°C CLR:0.5, Added Water:1%</p> <p>Repeatability: FAT: +/-0.07% SNF: +/-0.1%, CLR: +/-0.5</p> <p>Milk Testing Time(Measurement) – 25 Sec</p>

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Sr.No	Particulars	Specification
8.3	Technical's	Milk Temperature : 1 to 40°C Measurement Time: 25 Sec Sample Volume: 15 ml Average Speed: 120 samples/hr Number of Calibration: 3 Operation Time Limit: Continuous Display: High contrast blue / green backlight 4 line 20 character LCD Display. Average Speed: 120/hr Environmental: Ambient Temperature 10°C to 40°C Conditions: Relative Humidity 30 to 80%
8.4	Electricals	Power Input: 160-240V AC, 50HZ Voltage 12 +/-0.05V DC/10A (Max) Output: Average Power 30W Peak Power 120W
8.5	Manual	Operating Manual each in English & Local language per AMCU supply
9.0	Ultrasonic Milk Sample Stirrer	
9.1	Functional Requirement	To remove air from fresh milk sample by vibrations created in the milk before testing of milk.
9.2	Type	Table Top, Ultrasonic Stirrer
9.3	Stirrer for Ultrasonic Stirrer	SS Ball Type
9.4	Ultrasonic Frequency	20-25 KHz (Variable)
9.5	Timer	1-99 Sec selectable
9.6	Environment	Suitable for dusty/humid village environment, operating temperature -5 to 50 Degree C
9.7	Complete Ready to Use	Item complete in all respect with required electric/electronic parts, ready for use at site.
9.8	MoC For body	AISI 304, 1.2 mm thick minimum
9.9	Operating Voltage	230 Volts +/-10, AC, 50 Hz and 12 Volts DC
10.0	REMOTE DISPLAY UNIT (RDU)	
10.1	Functional Requirement	To display pourer members milk collected & milk testing and other selected parameters in English/ Local Language
10.2	Type	Wall mounted type
10.3	Display Parameters -8 No	7 Bright segments, Red LED,
10.4	Labels for display	Screen Printed
10.5	Environment	Dusty, Humid, preferably housing to be with IP 55 or equivalent protection, rust proof powder coated metallic.
10.6	Connecting Cables	Minimum 5 m Power cable with plug top with connector at both ends, Minimum 5 m Data cable with connector at both ends
11.0	UPS	
11.1	Functional Requirement	To give regulated AC power to AMCU from mains or attached battery
11.2	Type	Line-Interactive type
11.3	Capacity	1500 VA minimum
11.4	Back up time (Full Load)	3-hrs minimum (in one shift)
11.5	Output Wave Form	Sine Wave/Quasi Sine wave
11.6	Voltage at input	160-280 V (+10%)
11.7	D C Voltage Bus	24 V
11.8	Voltage at output (With Mains as well as with Battery)with in-built AVR	220V +/- 10%

Sl. No	Particulars	Specification
11.0	Full protection	Inbuilt protection - Under / Over voltage, Short-circuit, Overload Cut off, Low Battery Cut-off, Spikes cut-off
11.10	Warning (LED+ Sound)	Low Battery & Overloads
11.11	Input/ Output Frequency	50Hz +/- 3Hz, No Correction
11.12	Battery switch over	Battery switch over in 3-10 milli seconds
11.13	Battery Charging	Preferably to take place even at 130& 300 V with SMPS charger <ul style="list-style-type: none"> • Boost charging at minimum 7A • Battery overcharge protection
11.14	Battery No and Type	2 No 100 AH Tubular, Acid filled, low maintenance battery with level indicator (Maintenance free Battery desirable)
11.15	Charging Indicator	Battery charging indicator plus low battery/ fault indicator to be provided
11.16	Battery Steel Rack	Required
11.17	Leads between UPS & Battery	Flexible, Cu conductor PVC, Minimum 1 m with lugs at both ends.
11.18	Warranty of Battery	3 years against manufacturing defect.
11.19	Steel rack for UPS	Required to place UPS above floor
11.20	No load loss at 24 Volt when UPS is ON	Minimum
11.21	INVERTER & BATTERY	Microtek, Livguard, Luminous, Amaze
12.0	Earthing - Earth Electrode (Gel type) (Optional)	
12.1	Technology	Earth Electrode (Gel type) maintenance free earthing. Mineral Filling Compound (MFC), surrounded to earth electrode creates low resistance zone so that output is constant for longer life.
12.2	Pipe Material	Galvanized Pipe as per IS : 1239
12.3	Class of Pipe	Class-B
12.4	Diameter (Outer Dia.)	48 mm
12.5	Length	2 Meter
12.6	Wall Thickness	2.5 mm
12.7	Primary Electrode	Mild Steel Strip
12.8	Mild Steel Strip	2.12 m long, 32 mm wide and 6 mm thick
12.9	MS Strip hot dip Galvanized thickness	110 micron
12.10	Gel Filled	Highly non-corrosive compound
12.11	Earth wire to connect Electrode with Power Supply.	Copper 8 m long & 8 mm dia suitable for interconnection
12.12	Filling compound	Adequate
12.13	Civil works	chamber to secure the earthing

1/5/2024