



Gujarat Co-operative Milk Marketing Federation Limited, Anand

Request for Proposal
for
Development, Implementation and Support
Of
Amul AMCS for Amul Village Dairy
Cooperative Societies (VDCS)



GUJARAT CO-OPERATIVE MILK MARKETING FEDERATION LTD., ANAND

Ref:

NOTICE FOR INVITATION OF PROPOSAL FOR COMMON APPLICATION FOR VILLAGE DAIRY COOPERATIVE SOCIETIES (VDCS)

The Gujarat Co-operative Milk Marketing Federation Ltd. invites sealed Proposal from reputed/eligible vendors for design, development and implementation of Amul AMCS Application for VDCS at various village level Milk Collection Centres within Gujarat and outside Gujarat. The solution should be compatible with PC based as well Digital Processing Units (DPU) based AMCS of various types.

1. Interested eligible vendors may obtain further information from the office of the Gujarat Co-operative Milk Marketing Federation Ltd., Anand 388 001.
2. A complete set of RFP document may be downloaded by any interested bidder from the Website <http://www.amul.com>.

a	Date of commencement of RFP	01st July 2021
b	Last date for submission of Proposal	15th July 2021
c	Address for Communication	Sr. Manager (Finance & Systems) Gujarat Co-operative Milk Marketing Federation Ltd., Amul Dairy Road Anand 388 001 Gujarat; India e-mail: amcs@amul.coop

3. The Managing Director, the Gujarat Co-operative Milk Marketing Federation Ltd, reserves the right to reject the proposal(s) received, without assigning any reasons what-so-ever.



Background

Gujarat Co-operative Milk Marketing Federation (GCMMF) is an Apex Cooperative Organisation comprising of 18 affiliated District Milk Unions. GCMMF is the single largest organisation in the food industry engaged in marketing & distribution of the Liquid Milk and the Milk Products under brand name of “Amul” and “Sagar”.

The Apex Cooperative Organisation “GCMMF” has around 3.6 million milk producing members, who are giving milk to the Village Cooperative Societies of the respective Member Unions. There are more than 18000 organised VDCS in Gujarat and many more outside Gujarat, which are affiliated to the respective Member Union. A sizable number of VDCS associated with these unions are using either PC based various applications or Digital Processing Unit (DPU) based Automated Milk Collection Stations (AMCS) for milk collection.

GCMMF intends to invite proposal for Amul AMCS deployment across VDCS to extract data from AMCS for meaningful analysis. GCMMF invites bids for design, development, installation and maintenance of both for PC based and DPU based AMCS applications for the same.

INSTRUCTIONS

1.0 Contents of RFP

1.0.1 The system requirement, RFP procedures and contract terms are prescribed in the RFP Document. In addition to the Invitation for RFP, the RFP Document includes :

- ✚ Instructions to Vendors
- ✚ Eligibility Criteria
- ✚ Requirements
- ✚ Terms and conditions of the contract
- ✚ Schedule of requirements (Annexure-1)
- ✚ System study report
- ✚ Qualification application(Annexure-2)
- ✚ Format for details of existing AMCS details(Annexure-3)

1.0.2 The Vendor is expected to examine all instructions, form, terms and specifications in the RFP. Failure to furnish all information required as per the RFP will be at the Vendor’s risk and may result in the rejection of proposal.

1.1 Clarification on RFP

A prospective Vendor requiring any clarification on the RFP may notify GCMMF in writing or by email at the GCMMF’s mailing address indicated in the RFP. GCMMF will respond in writing to any request for clarification on the RFP, which



it receives no later than 7 days prior to the deadline for the submission of bids prescribed by the GCMMF.

However, delay in receipt of clarifications cannot be considered by the vendors as a cause for requesting extension in the due date of submission of the proposal.

1.2 Amendment of RFP

1.2.1. At any time prior to the deadline for submission of bids, GCMMF may, for any reason, whether at its own initiative or in response to a clarification requested by the prospective Vendor, modify the RFP by amendment.

1.2.2. The amendment will be notified in writing or by email to all prospective Vendors which have received the RFP and will be binding on them.

1.2.3. In order to provide prospective Vendors reasonable time to take the amendment into account in preparing their RFP, GCMMF may, at its discretion, extend the deadline for the submission of proposal.

1.3 Language of Proposal

The Proposal prepared by the Vendor and all correspondence and documents relating to the Proposal exchanged by the Vendor and GCMMF, shall be written in the English language, provided that any printed literature furnished by the vendor may be written in another language so long as accompanied by an English translation of its pertinent passages in which case, for the purpose of interpretation of the proposal, the English translation shall govern.

1.4 Prices

1.4.1. The Vendor shall indicate Total proposal price of the AMCS System it proposes to develop, implement and support on the appropriate Price Schedule attached to this document.

1.4.2. Prices quoted by the Vendor shall be fixed during the Vendor's performance of the Contract and not subject to variation on any account.

1.5 Currency

Prices shall be quoted in Indian Rupees for the goods and services which the Vendor will supply. GCMMF will make payments in INDIAN RUPEES only.

1.6 Documents Establishing Vendor's Qualifications

That the Vendor has the necessary financial, technical and delivery capabilities necessary to perform the Contract. To this end, all bids submitted shall include



the following information along with formats 'A' and 'B' under qualification Application given in Annexure-2.

- i. Copies of original documents defining the constitution or legal status, place of registration and principal place of business of the company or firm or partnership, etc.
- ii. Details of experience and past performance of the bidder on similar solutions offered within the past 5 years and details of current contracts in hand and other commitments;
- iii. Qualification and experience of key personnel for successful execution of the contract;
- iv. Reports on financial standing of the Vendor such as profit and loss statements, balance sheets and, auditor's report of the past three years, bankers certificates, etc;
- v. Information regarding any current litigation in which the Vendor is involved.
- vi. Details about current AMCS installed as per Annexure-3.

1.7 Eligibility Criteria for Vendors

Following eligibility criteria are applicable to Vendors –

- a) Vendor should be in dealing in AMCS applications for at least **3 years**.
- b) Vendors should have implemented PC based and DPU based Online AMCS at at least **500 VDCCS each**.
- c) The last year's annual turnover should be more than **Rs. 10 Crores**.
- d) Vendor should possess team and infrastructure to ensure future development, implementation and support to commensurate with volume of business.

GCMMF reserves right to alter these norms.

1.8 Period of Validity of RFP

Proposal shall remain valid for 120 days after the last date of submission of the RFP as prescribed by GCMMF.

1.9 Sealing and Marking of Proposal

The Proposal should be properly sealed and marked with reference to the RFP.

1.10 Late Submission of Proposal

Any Proposal received by the Purchaser after the deadline for submission of proposals prescribed by the GCMMF, pursuant of Clause 1.10 will be rejected.



1.11 Pre-Bid Meeting

Interested candidates may send email request to amcs@amul.coop with contact person's name, address, mobile number and company details for participating in pre-bid meeting on or before 5th July, 2021. Meeting details shall be shared via email from above email address.

1.12 GCMMF's Right to Vary Quantities

The GCMMF reserves the right at the time of award of Contract to increase or decrease the quantity of goods and services specified in the Schedule of Requirements without any change in price or other terms and conditions.

1.13 GCMMF's Right to Accept Any proposal and to Reject Any or All Proposals

The GCMMF reserves the right to accept or reject any proposal, at any time prior to award of Contract, without thereby incurring any liability to the affected Vendor or Vendors or any obligation to inform the affected Vendor or Vendors of the grounds for the Purchaser's action. GCMMF reserves the right to award the contract to a single vendor or split between more than one vendors.



Section 2 REQUIREMENTS

The requirements are divided into 6 parts as follow:

Part-A	Design and Development of PC / Android / DPU based AmulAMCS application for VDCS, mobile applications for farmer member, society committee and Dairy Supervisors
Part-B	Design and Development of Centralised portal for AmulAMCS to enable analysis of VDCS operations including BI and email alerts
Part-C	Supply, installation & maintenance of Infrastructure for hosting of Portal
Part-D	Database and Application Management and Helpdesk support
Part-E	Application implementation at VDCS, Master data migration, training and Onsite Support including network connectivity management and hardware maintenance (PC, Printer, Display, Weighing Scale etc.)
Part F	Other Requirements (Anti-virus, Internal modem)

PART A - Common Application for VDCS

2.1.Scope of the Common Application for VDCS

The scope of work will include the following:

- Conducting a detailed system study to compile the requirements for consolidating data arising at various locations.
- Designing and development of package or sourcing ready-made packages to cater to these needs.
- Integration of all the modules / packages.
- Testing and implementation.
- Training to end users of each VDCS and dairy union to enable them operate the application.
- Prepare detailed user documentation in English as well as at least one local language.
- Specify the licenses and/or software needed for installation of application and the cost involved. Include such aspects such as runtime licenses per work station.
- Give details of training requirements and other aspects of system utilisation and control.



2.2. Project Plan

Vendors to provide Project Plan for development, implementation and supporting Amul AMCS for VDCS and Central Portal.

2.3. Functional Requirements

The application should be suitable for instant weighing of milk, measuring **Fat / SNF** content and other components, calculating the amount payable to the member based on Fat, SNF and weight, printing the amount calculated thereof with member identification details. This system should also be used for maintaining the complete record (including financial details) of the VDCS along with details of all transactions of the village co-operative society.

The key details should be transferred to Centralized Console for monitoring and generating exception reports. The data in console should be made accessible to farmer members, supervisors in form of reports from console or using **mobile application** for better transparency and decision making.

2.4. Application

Operating System

The application should run on any Platform i.e. Windows OS or Linux or Android and any Hardware above Intel Dual Core or Core i3 processor including tablets. Please also specify minimum hardware requirement for the application as per Annexure-4.

Application

A System Study Report of a Typical Village Dairy Co-operative Society" has been given as an annexure. This report can be used as a guide to develop application.

- The application should be user friendly, menu driven, and provide help facility in local language.
- The application should support multiuser environment as many societies have more than one collection points and collection locations.
- The data input forms, reports, menus etc. should be in English and in one local language based on the location of implementation.
- The application package should contain legal copy of the database used.
- Modules
 - Financial Accounting
 - Loan Accounting
 - Share Accounting
 - Fixed Deposit
 - Audit
 - Sale
 - Purchase



- Inventory Management
 - Payroll & Salary processing
 - Member & Cattle insurance
 - Animal Health – Ration Balancing
 - GST and other statutory compliance reports
- The system should be able to interface/ integrate with existing devices such as –
 - Electronic Weighing Scale (EWS)
 - Electronic Milk Tester / Milk Analyser
 - **DPU (Micro-controller, Micro-processor and Android based)**
 - Digital Displays, etc.

Bluetooth connectivity should also be supported for wireless communication between system and various devices.

- Other Key Features of application are –
 - Application should support client – server architecture.
 - Application should work both in off-line and on-line mode.
 - Application should support parent-child (sub society) and consolidated data transfer from parent society to MU. Sub-society to transfer data automatically to parent society at regular intervals.
 - Should support Multi-society data entry and reports from same PC.
 - Should have role based access for access control
 - Shortcut key function to access frequently used transaction.
 - User configurable message printing on member's slip with date control – supports regional language
 - The application should accommodate necessary changes among different VDCS on case-to-case basis wherever required.
 - Should support standard RDBMS so that the database cannot be accessed directly from backend without proper user id & password.
 - Control unauthorized access – should lock the database after predefined number of attempts.
 - Milk procurement transaction cannot be deleted, can be modified – and appear in report.
 - Data at society can be archived with date identification.
 - Data Encryption – client and server – support 128 bit encryption.
 - Audit trail to be provided with facility to view the same through software in formatted report.
 - Backup & Restore
 - Should sync data automatically when connectivity is established Data restore and rebuild from Server to client.
 - Data should be replicated at regular intervals to the server – automatically – in the background.
 - Backup restore possible on pen-drive (external device) with minimum input from operator – button with drive letter hard-coded- drive letter store in configuration file.



- Two way data transfer using pen drive
- Integration
 - Data Migration from legacy system to vendor's current database.
 - Connectivity to bank for payments to vendors/supplier through system.
- Alerts
 - At society – notification to be provided of payment arrival from MU
 - SMS to Farmers for transaction
 - Milk and product pricing change
- Society Sales
 - Sales by society to farmers (outsiders also) – should be properly accounted
 - Coupons
 - Amul Dan
 - Ghee etc.

Note: Detailed module functionality, masters etc. to be determined after detailed system study by vendor and submitted to GCMMF for approval.

PART B – Design, Development and Implementation of Centralized Portal

2.5. Scope of Work

- Supply, installation and maintenance of Portal Hardware.
- Conducting a details system study to compile the requirements for consolidating data arising at various locations.
- Identify the details of interface requirements of the proposed application systems, for acquiring data from the existing computerised systems if any, or vice versa, required for implementation of the proposed solution.
- Identifying and implementing necessary requirements for data transfer.
- Designing and development / Selecting ready-made packages to cater to these needs.
- Integration of all these modules / packages.
- Testing and implementation.
- Training to core group of users of each Member union and GCMMF to enable them operate the application.
- Prepare detailed user documentation.

2.6. Scope of Centralized Application

The scope of work will include the following:

The vendor should provide the complete software and middleware to ensure smooth operation of the portal. The vendor will also be responsible for update of the software during contract period.



The software should be capable for two way data transfer using appropriate data transfer strategies. The software functionality shown below is indicative in nature and vendor should arrive at final functionality list during study phase :-

- Maintain all masters including village, taluka, DCS, union, members etc.
- Maintain complete data of all DCS to enable centralised Audit and control.
- Maintain Rate master for milk and milk products and update to all VDCS centrally
- Provide complete Portal solution in order to provide a “Knowledge” based portal to people with possibility of data grouping at various levels.
- Provide advisory services for farmer/VDCS/union on the portal including AMCS/DCS Management etc.
- Provide a roadmap for upgradation over a period of time.
- The system should also enable least cost feed formulation at individual farmer/cattle level.
- The vendor will also be responsible for maintaining/upgrading the Portal during contract period.
- Mobile application to inform farmers of their payment receipt etc.
- Milk bill report from SAP
- Milk procurement data from AMCS directly to SAP - MU-wise - concerned account
- Mobile application for accessing console information on mobile devices including tablets. The application should support all mobile platforms such as iOS, Microsoft, Android etc.
- Access to third party applications using APIs/ Web-services to exchange data to and from the central portal.

Other Key Features of Centralized Portal

- Should provide a dashboard for users. Dashboard should be user configurable.
- A standard website to be developed for each VDCS sourcing details from portal
- Access control based on company and role
- Allow viewing of data collected from VDCS as reports and / or charts
- The frequency of update can be set from central portal.
- Locked database can be opened by central portal or a executable supplied from helpdesk.
- Push notifications, file transfer should be supported for Paripatra and Milk Bill delivery
- Integration with banks for online direct payment to farmer members
- Interface with SAP for Purchase, Sales and financial data exchange

The vendor may also be required to provide support for data/system administration, network security, backup, solving user problems, additional user training etc.



2.7. Functional Requirements

The system should be suitable for Centralized audit of the complete data of the DCS at central level. The portal should become a single point of contact between DCS, MU and GCMMF. The functions should also include appropriate data transfer strategies based on available infrastructure. The strategies may include a single Central Server or multiple servers (each at MU level). The system should enable centralised audit, input services including animal management, breeding, health care & nutrition services etc.

PART C - Supply, Installation & Maintenance of Infrastructure for Centralized Portal

Scope of supply of Hardware

The vendor should size and provide appropriate Centralized portal hardware and necessary application software for ensuring fail safe environment. The vendor should also provide necessary provision for scaling-up users during its life cycle as under -

- Server Hardware configuration during pilot phase
- Scaling-up of resources to cater to up to 18,500 societies.
- Scaling-up of resources for up to 10 years of operations

The vendor will include provision for database backup at regular intervals.

Vendor will monitor the infrastructure. The vendor would be governed by SLA. In case of failure of any component of the system vendor will take immediate remedial measures.

The scope will also include setting-up of DR facilities after successful rollout of application.

Centralized Portal connectivity

The vendor will ensure sufficient internet bandwidth between VDCS and Servers for smooth and fast data exchange of the system. The connectivity should be preferably using 4G SIM using internal modem having e-SIM capabilities.

PART D - Database & Application Management

Database and Application Management will be included as part of the project. Application Management for all applications including mobile applications will include Master Data Management, new development, functional testing of new development / bug fixing, Application Support including L1, L2 and L3 support etc.



Provide details of setting up of dedicated, multilingual helpdesk facilities for support and details of resources needed for above activities during pilot, during rollout and post rollout support. Please provide:

- Charges per year (AMC) for the services. This should include:
 - Infrastructure cost
 - Dedicated Toll-free Number(s) for maintaining service quality during operations hours.
- No. of persons manning the helpdesk – provide phased plan.
- Helpdesk to operate from 6 am to 10 pm, 7 days/ week, 365 days / month.
- Call recording should be enabled for quality purpose.

PART E - Application Implementation, training and Onsite Support

The vendor will require deputing resources to coordinate with GCMMF / Member Unions for deployment planning, master data preparation and migration. Please provide:

- Charges for implementation services. This should include:
 - Online tool for VDCS Survey for checking readiness of VDCS for implementation.
 - Online tool for implementation planning
 - Number of days for implementation and details of activities to be performed each day clearly identifying key milestones for online monitoring.
 - Online feedback capturing post implementation.
 - **Anit-virus** to be deployed at all VDCS with automatic update.

Onsite support should include multiple options as under -

- a) Option 1 -
 - a. Monthly fixed charges for dedicated field engineer
 - b. Travelling allowance and Dearness Allowances for field engineer
- b) Option 2 -
 - a. Monthly fixed charges for dedicated field engineer
 - b. Fixed charges per call
- c) Option 3 -
 - a. Comprehensive AMC per society without spare parts for upto 4 visits

Support services include support for AMCS hardware like Personal Computer, DPU, printer, display unit, milk testing unit (only call logging), UPS etc. in addition to AmulAMCS applications. Spare parts rates should be published in advance for approval. Approved rates should be published and the service reports to contain details of spares consumed along with item codes for cross reference.



PART F - Other requirements

- To take care of all requirements during implementation and rollout
- Approx. 18500 VDCS of Gujarat and many more outside Gujarat
- Vendor to provided proposal for
 - Hosting of server and AMC
 - Providing Helpdesk support at vendor's site - Manpower (Hardware & Software) from implementation to rollout is complete and beyond for 5 years.
- Vendor will thoroughly test application before release.
- Implementation and support required for entire India.
- Data transfer should be possible through minimum 4G network device with 4G plan up to 2GB or more depending on size of VDCS. The device should only connect to the central server or other sites as required from time to time.
- Restoration of data from Console in an event of DB failure at Society level.
- Automatic posting of accounting entries for milk purchase and sales.

NOTE: Implementation and support will be coordinated by MU personnel.

Vendor Information Required

Vendor to provide following additional details -

- Client list - All India and Gujarat - societies and Unions/ Company
- No. of years in supporting AMCS
- Date of establishment
- Annual turnover
- Number of Software developers
- Number of Hardware engineers
- Support location in cities
- Team details - Organization structure for project management - and during AMC
- Capabilities to setup data centre and manage the same.
- Should be ready to sign Service Level Agreement (SLA) for next 5 years with an option to extend other 5 years at mutually agreed charges.
- Do proper version control of software - please provide plan and method how it will follow version control.
- Vendor will recognize Intellectual Property Rights of AMUL and provide source code of software at regular interval during the project duration.



SECTION 3 TERMS AND CONDITIONS

The terms and conditions are specified in the following paragraphs. Vendors should note that these conditions and the responses that are made to all the other sections of the tender are expected to form the basis of the contract between GCMMF and the Vendor.

3.1 Delivery

The software (system software, language compilers, utilities, packaged software etc.) should be delivered with complete set of Manuals, CD/ DVDs and related Add-ins along with the hardware. The short supply of any component, of either hardware or software OR if delivered is not operational, will be deemed incomplete and will be technically unacceptable. Partial delivery of products is not acceptable and partial payment will not be made for any such delivery.

3.2 Installation

Vendor will have to install the system and hand it over to GCMMF & MUs for acceptance testing within one week from the date of delivery of the system at respective sites.

GCMMF & MUs reserves the right to install third party software/hardware or any other products on the supplied Components/machine.

3.3 Quality Of Goods/Acceptance

Quality of Goods

The goods supplied against this order shall conform to our description, specifications, etc. The hardware components supplied with the machine should be of standard make.

All equipment supplied should be of OEMs products only and no clones products will be accepted. All hardware to be supplied should conform to industry and OPEN standards, should be brand new and of well known original make.

- Following tests of connectivity/Interoperability with system will be conducted at Societies.

- On-line data transfer
- Software acceptance testing
- Weight acceptability and repeatability testing
- Milk fat / SNF acceptability and repeatability testing
- Other Tests, as may be deemed necessary by GCMMF.

Acceptance tests would be required to run for a specified period non-stop, at the discretion of GCMMF & MU. The duration of the acceptance test will be at the discretion of GCMMF & MU.



Vendor will be responsible for setting up and running the acceptance tests, in presence of GCMMF & MU.

3.4 Payment Terms:

Payment terms will be decided later.

3.5 Break-up prices

All the Vendor shall furnish the cost separately for the supply and installation/commissioning alongwith detailed cost break-up(item-wise) which will be applicable for progressive payments. Items and works for which no break-up price is furnished by the Vendor will not be paid for by the Purchaser when supplied/executed and shall be deemed covered by other break-up prices.

3.6 Upgrades

Vendor should provide detailed roadmap for the upgradation of Hardware and applications based on changing technology and internal and external environment affecting business.

3.7 Technical Fact Sheet

Vendors should provide complete technical fact sheet for equipments which are proposed. Include detailed technical information about the product being offered, including the results of standard benchmarks like **TPC, AIM III, SPEC etc., with configuration details.**

Include any other technical information which vendor wants to provide.

3.8 Warranty:

Vendor shall give warranty for application for a period of **12 months (1 year)** from the date of acceptance of the system. During the warranty period, all the bug fixes should be carried out without additional charges.

Vendor shall also give warranty for a period of **36 months (3 years)** for the supplied equipments and shall cover under a comprehensive maintenance, free of charge which includes free replacement of spares and components. The components replaced during the warranty period should be new and genuine OEM components. Vendor shall do **preventive maintenance of the supplied equipments on monthly basis.**

A Performance Bank Guarantee of 5% of contract value or Rs. 50 lacs whichever is less will be obtained for the period of project duration.



3.9 Training:

Vendor shall provide free of cost extensive training to the VDCS personnel as part of application implementation. The duration of the training shall be mutually decided during pilot. Vendor shall also provide comprehensive training on Portal to MU/GCMMF Staff for a period of 5 (Five) days within one month from the date of delivery. The training should cover the features of Configuration Management, Master data, User management and Application features and reports etc. with hands-on training and exercises. Training will have to be provided at DCS/MU/GCMMF's premises at Vendors cost.

The training module should comprise:

- Sufficient copies of comprehensive material, books and hand-outs
- Copy of video/slide/CBT aids
- Courseware meeting DCS/MU / GCMMF needs in local language
- Training content should be hosted online for retraining needs.

3.10 Penalty:

Goods / Services shall be delivered strictly according to our delivery schedule and must conform to our description, specification, quality etc. In case of default, GCMMF shall procure the material from alternative sources and any extra cost incurred shall be charged to you, apart from levying liquidated damages.

3.11 Uptime guarantee

Vendor will have to guarantee a minimum uptime of 99.5%, calculated on a monthly basis, for the systems supplied, with three shifts coverage for seven days a week.

Accordingly, any breakdown that has been reported to Vendor at any time should be either fully repaired or replaced by a temporary substitute (of equivalent configuration) before next shift. Also, any failure reported by 6.00 PM should be repaired/replaced by 6:00 AM next working day.

Every time the number of occurrences of Vendor not repairing the reported breakdown within stipulated time, exceed one in any month or total three over a period of six months, Vendor will have to extend the warranty period/maintenance contract by one month.

3.12 Software Acceptance

Acceptance testing of the application system will be conducted by MU/GCMMF with the acceptance test data, created by MU/GCMMF. The acceptance testing will be commenced by MU/GCMMF immediately upon delivery of the corresponding application system by Vendor. There will be one cycle of end-to-end acceptance testing



with the representative data prepared for this purpose. The users will complete acceptance testing of development application software. Any problem identified during this period, will be indicated in writing to Vendor. These will be analysed to separate out defects in the developed software and changes (deviation from the specifications, signed off earlier). Vendor and the designated MU/GCMMF representatives, on a mutual agreement basis, will carry out the change impact analysis and come to a decision.

Once the defects in the developed application systems are corrected, the system will be considered as accepted by MU/GCMMF.

Acceptance Test Data for the application systems will be prepared and delivered to Vendor by MU/GCMMF. Obtaining user acceptance of the application systems and submission of the system design document and user documentation will mark the completion of the assignment under this proposal.

3.13 Acceptance Certificate

As soon as the acceptance testing is complete in accordance with the contract and all elements of the system have passed through successfully the final acceptance tests the MU/GCMMF will issue an Acceptance Certificate which will state the acceptance date and any outstanding defects which require remedy from the Vendor.

3.14 Intellectual Property Rights

- All applications, products and the knowledge thereof, resulting from the defined scope of the agreement belong to GCMMF and GCMMF will have the sole rights to market them as products or business components in India and abroad.
- GCMMF will have all the rights on source code and will have all Intellectual Property Rights. GCMMF will be able to use source code and whatever manner it may like.

3.15 Documentation

Vendor will have to supply all necessary software documentation in English as well as in regional languages.

3.16 Transportation, Lodging and Boarding

The Vendor should clearly indicate total cost associated with Transportation, Lodging and Boarding for Vendors associated with the assignment.

3.17 Force Majeure

Should either party be prevented from performing any of its obligations under this proposal by reason of any cause beyond its reasonable control, the time for performance



shall be extended until the operation or such cause has ceased, provided the party affected gives prompt notice to the other of any such factor or inability to perform, resumes performance as soon as such factors disappear or are circumvented. If under this clause either party is excused performance of any obligation for a continuous period of ninety (90) days, then the other party may at any time hereafter while such performance continues to be excused, terminate this agreement without liability, by notice in writing to the other.

3.18 Indemnity

The Vendor will indemnify, protect and save the GCMMF against all claims, losses, costs, expenses, action suits and other proceedings, resulting from infringement of any patent, trademarks, copyrights etc. in respect of the system supplied by him.

3.19 Confidentiality

The Vendor shall keep confidential any information obtained under the contract and shall not divulge the same to any third party without consent in writing by GCMMF.

3.20 Publicity

The vendor shall not advertise or publicly announce that he is undertaking work for GCMMF without written consent of GCMMF.

3.21 Variation

GCMMF may at any time during the Contract require the Vendor to revise the Services including Completion Date. In an event of such nature GCMMF will request the Vendor to state in writing the effect of such variation will have on the work schedule and what adjustment, if any, will be required to the Contract Price and the schedule. The Vendor shall furnish these details, in writing, within one week from the receipt of such request.

3.22 Withdrawal of Order

The GCMMF reserves the right to withdraw the order in part or full without assigning any reason thereof.

3.23 Jurisdiction

In case of dispute, **Anand** shall be the place of Jurisdiction.

3.24 Others

GCMMF reserves the right to change the Terms and Conditions stated above. In such event, the same will be conveyed to the vendor well before entering into the contract.



Annexure 1

SCHEDULE OF REQUIREMENTS

Pack No.	Description	Qty. Nos.	Destination
1	Development of AmulAMCS for VDCS	18,500 within Gujarat and many more outside - No Commitment)	
2	Installation, maintenance and training of for application at village level	5 Years	Local
3	Development, installation, commissioning & maintaining of central portal software and associated mobile applications	5 Years	Central
4	Procure, Install, Maintain/Upgrade of Central Portal Hardware	5 Years	At vendor's premises or Cloud
5	Helpdesk for Application and Hardware Support	5 Years	At vendor's premises
6	Application and Database Management including development and functional testing	Project duration	At vendor's premises



Annexure 2

A SYSTEM STUDY REPORT OF A TYPICAL VILLAGE DAIRY CO-OPERATIVE SOCIETY (For Integrated Application Software Development)

The details given here are indicative in nature and not exhaustive. The complete final details will be finalised during the study phase. However, vendor is advised to conduct a system study of few societies to acquaint with the systems. The Requirements may vary from society to society, Vendor may have to modify the system to suite the differing requirements at each individual societies.

Basic operations at society are collection of milk, sale of milk, supply of milk to union, purchase and sale of cattle feed, purchase and sale of Ghee, purchase and sale of other items and provide support for AH, AI etc to the producers. All operations are manual or semi automated at society level. All records are prepared manually and traditionally. **Power supply is irregular and fluctuations are very high. Clean and dust free environment can not be guaranteed.**

Society Organisation

The system should keep a track of Society members, Management committee members along with the basic information about management committee meetings, AGMs, Shares, society information etc. The system should also provide various reports viz. members report, share certificate and register, MCM meeting register, AGM meeting register, village and society summary reports etc.

Milk Collection

The said module should include the activities related to milk purchase, milk sales, testing, gradation, storage, payments, price difference etc. The system should also able to generate various reports, as under:-

- Truck Sheet
- Collection slip
- Local Sale Report
- Union Sale Report
- Dairy Register
- FAT/SNF Report
- Payment slip
- Payment Summary
- Sourage Report
- Cow/ Buffalo/ Goat/ Camel Milk report
- Incentives



- ❖ The module should have appropriate operational & functional controls to ensure smooth business operations.
- ❖ The system should also provide key reports in graphical format.

1. Major Activities at Society

- Purchase of Milk
- Purchase of Cattle Feed
- Purchase of Ghee
- Purchase of Fodder Seeds
- Other Purchases
- Expenditure for Services
- Other Expenditure
- Local Sale of Milk
- Supply/Sale of Milk to the Union
- Sale of Cattle Feed
- Sale of Ghee
- Sale of Fodder Seeds
- Income from Services
- Other Income
- Purchase & sale of other products/items

2. Miscellaneous Activities

- Group Insurance Scheme
- First Aid Medicines
- Deposit Scheme
- Cattle Insurance
- Member Saving Scheme
- Member Loan

3. Masters: -

- Milk Purchase Rate
- Milk Selling Rate (Union/Local)
- Member ID and List, No of animals, Family Members
- Members belonging to BPL category
- BMC Scale and volume
- Member ID coupled with bank A/C no and Name of Bank
- % FAT, %SNF, Quantity-----> Converted into Kg Fat, Kg SNF for Pricing.
- Milk Collection Requirement
- BMC Scale and Temperature Reader
- Loan Account coupled with ID.



4. Purchase of Milk

- One Collection Point (Both for Cow and Buffalo Milk)
- Two Collection Point (Separate for Cow and Buffalo Milk)
- More than two Collection Point (When Milk Quantity is very large)

5. Transactions

- Milk Purchase
- Milk Sale (Local/Union)
- Payment and Bonus to producer
- Payment and Bonus directly in the respective A/C
- Data sent to Union.
- Milk testing (Fat/SNF/Weight)
- Milk receipt and Bonus from union
- BMC scale and Temperature
- Price Difference (Union, Society)
- Manual Entry (Fat, SNF, Weight, Shortage)
- Loan based on the previous record of Milk deposited
- Registration for Veterinary visit at the time of Milk procurement
- Deduction of Veterinary fees from the Milk Deposited

6. Reports

- Truck Sheet:-
- Milk Collection Slip/Report/ Summary:-
- For Producer(Shift wise)
- For Accountant (Shift wise/ Day Wise/ Summary)
- Cow/ Buffalo Milk Collection (Shift/Day/Summary Wise)
- Customer wise Report (Shift/Day/Summary Wise. Indexing based on ID, Name and Time etc.)
- FAT/SNF Shortage Report, Quality report, sour milk report (Shift/Day/Summary Wise)
- Summary Report. (Customer wise. Based on member/non-member/BPL/SC-St members. Shift/Day/Monthly/Summary wise.)
- Incentive Receipt (With regular receipt for quality milk.)
- Milk Sale Receipt/Report/Summary:-
 - Local Sale Report. (Cow/ Buffalo/Both) (Daily/Shift/Summary)
 - Union Sale Report. (Cow/ Buffalo/Both) (Daily/Shift/Summary)
- Comparison of Milk Purchase and Sell (Sell: Local/Union):-
 - (Shift/Daily/Monthly/Summary)
- Payment Slip/Report for accountant:- (Shift/Daily/Summary/ Customer wise.)
- Price Difference slip/Report:- (Customer wise. Shift/Daily/Summary wise)
- BMC Temperature and Scale report:-
- Comparison of receipt from union and truck sheet to union:- (Daily/Time wise/Summary wise)



- Report of the members want Veterinary visit:-
- Report of the Members with Loan account and Remaining Balance:-

7. Features

- Locking of Fat, SNF, Weight and Amount after confirmation of producer.
- Tracking of the Manual entry and Identification of each entry.
- Shortage of FAT/SNF alarm beyond notified limit.
- Time wise/Index wise/ID wise reporting of milk collection.
- Milk in can. (Member ID wise.) Allow manual entry for depositing milk in the can.
- Short-cut number to select cow/ Buffalo milk. Ex. 1 for buffalo and 2 for cow.
 - So if ID is 123 then 1231 will enter to notify the buffalo milk of ID:-123.
- Adjustment of price (Union wise), price based on KG FAT/SNF.
- Loan taken to be included into payment slip. Deduction of loan amount directly from the milk payment.
- All rounding amount to be summed up and after summing up to Rs.5, it is to be included in the payment slip as credit amount
- Tracking of customer with highest quantity/milk with highest fat/ sour milk/poor quality milk etc.
 - Tracking of Black listed customers and alarm in case of milk receipt from them.
- Rate of individual's milk to be displayed on the receipt based on the %fat / %SNF.
 - Customer wise tracking of deviation of fat / SNF from the regular %fat / %SNF and locking in case of the higher deviation.
 - Space to write various notes on collection receipt (For producer in case of poor quality,
- Sour milk or milk with shortage of FAT/SNF.) as well as on truck sheet
 - (For Union, to convey any message.)
 - Conversion of reports and summary form Gujarati-English and vice versa.
 - Alarm and stop the system, if manual entry exists for specified time.
 - Graphical facility should be available to track milk production, quality, fat, SNF, sour milk etc.

Member Card

Member pouring milk to society is given two cards/Passbook - cow and buffalo milk card separately. At some societies there may be only one card covering both types of milk. This card is monthly or yearly. There are about 1000 cards per society.



Content of the Card:

Name of member	:	Once in a month or a year
Membership Number	:	Permanent allotted once only.
Date	:	Date
Time	:	Time and Shift(M or E)
Quantity	:	Obtained from milk register
Fat	:	Obtained from milk register
Value	:	Calculated based on rules.
Sr.No.	:	Sequence of the dumping of milk.

Milk Register

Information entered at the time of milk collection. One, Two or more registers are updated on the spot. One or more register may be clubbed together.

- Cow Milk Morning Register
- Buffalo Milk Morning Register
- Cow Milk Evening Register
- Buffalo Milk Evening Register

Content of the Register :

Sr.No.	:	Serial No.
Membership No.	:	Obtained form members card at the time of collection
Sample No.	:	Generated Sample Serial No. at the time of collection
Quantity	:	Captured from weighing balance at the time of collection
Fat / SNF	:	Captured from milk testing machine.
Value	:	Calculated based on rules

Observation

In case of Fat / SNF dispute, a second test is taken. Second test is the final for both the party i.e. society and member. About 20 retest are normal per shift.

Spot payment may be done. Duration is also not fixed. Morning or Evening or next day or five days , ten days , fortnight or monthly payment to the members in cash. The payments to member is done on the basis of milk cycle. Payment is done after the deduction of all the dues and small deductions such as insurance premium, saving deposits, loan deduction, AH services, etc applicable to particular member during that period.



After the milk collection is over, value is calculated and entered in the MILK REGISTER (all type) for every member. On every page sum of quantity, value is done. In a shift (Morning or Evening) for each type of milk total no. of pourers, quantity and value is calculated.

Any Negative payments are carried forward by the society.

1. Local Sale of Milk

Liquid milk is sold by the society to the customer. Liquid milk is sold on cash or credit or advance basis. Local sale is nominal.

Bill Book

Cash bill book is maintained by the society. Bill contains date, time, type of milk, quantity, rate and value. The Customer will collect bill form cashier on cash payment and milk is dispensed by the vendor. Summary is prepared at the end of shift for type of milk quantity sold and value received, which is entered in local sale register.

Single Cash book is maintained for milk, CF, Fodder seeds, etc.

1. Local Milk Sale Register

Date, Time, Type of Milk, Bill Start No. Bill End No. Quantity, Rate and Value is entered in this register. Cash Receipts-Income

Milk Purchase Register

One or two registers maintained by the society. Cow and Buffalo Milk Purchase Registers are maintained by the society. Figures from milk register/s transferred to the purchase register/s on date and shift basis only.

Content of the Register:

Date	:	Date
Time	:	Time (Morning or Evening)
Milk	:	C / B
No. of Pourers	:	Obtained from milk register
Quantity	:	Obtained from milk register (C / B / T)
Value	:	Obtained from milk register



Sale of Sample Milk

Quantity	:	Obtained from Local sale register
Value	:	Obtained from local sale register
Net Quantity	:	Calculated

Milk to Union

Quantity	:	Obtained from Truck sheet slip daily
Quantity	:	Obtained from Milk Bill received after 10 days
FAT /SNF	:	Obtained from Milk Bill
FAT / SNF Quantity	:	Obtained from Milk Bill
Rate	:	Obtained from Milk Bill
Value	:	Calculated

1. Sale of Milk to the Union

Milk collected at society is dispatched to the Union through cans or tanker. Type of Milk, Quantity and quality slip provided by the union on same or next day. Payment is made after ten days (may change to fortnight or monthly) to the society through bank and Milk Bill is given to the society, which contains all the relevant details.

2. Purchase of Cattle Feed

CF purchase request is made to the union for steady supply of CF. CF is supplied to the society with delivery challan. CF bill is prepared for ten days and deducted form society milk bill directly by the union. This information entered in CF Stock Register.

3. Sale of Cattle Feed

Society sales CF in the MU through a bill or coupon system on the cash, credit or advance basis. On the basis of request of the members or on expected request society made order to the MU. Where order is processed and deduction is made on from the milk payment. Further society deduct amount from milk payment to members.

CF Bill Book

CF bill book is maintained by the society. Each bill contains date, time, pack, quantity, rate and value. The customer (member as well as non-member) will collect bill form cashier on cash or credit.



CF Sales Register

At the end of the shift CF Sales register is updated. Date, Shift, Sr.No., Bill No., Quantity, Rate and Value is entered from CF Bill Book for every Bill. Summary is prepared for the shift for total nos, total quantity sold and total value received. Which is required for CF stock register. (Cash Receipts-Income)

CF Stock Register

For every date this register is updated. Opening stock, opening value, quantity received, rate, value of quantity, quantity sold, rate, value of quantity sold, closing stock and closing value are updated once or twice a day.

1. Purchase of Ghee

Purchase request is made to the union for steady of Ghee. Ghee is supplied to the Society with delivery challan. Ghee bill is prepared for ten days and deducted form society milk bill directly by the union. This information entered in Ghee Stock Register.

2. Sale of Ghee

Society sales Ghee in the village through bill or coupon system on the cash as well as credit basis.

Ghee Bill Book

Ghee bill book is maintained by the society. Each bill contains date, time, pack, quantity, rate and value. The customer will collect bill form cashier on cash payment and ghee is sold by the vendor.

Ghee Sales Register

At the end of the shift Ghee Sales register is updated. Date, Shift, Sr.No., Bill No, Quantity Sold, Rate and Value of quantity sold are entered from Ghee Bill. Summary is prepared for the shift for total nos, total quantity sold and total value received. Which is required for Ghee stock register.

Ghee Stock Register

For every date this register is updated. Opening stock, opening value, quantity received, rate, value of quantity, quantity sold, rate, value of quantity sold, closing stock and closing value are updated once or twice a day.



1. Butter Milk

For the purchase of Butter milk request is made by members to the society. After the sanction of the request from the society, member collects buttermilk at his own on the availability of the BM at Milk Union. Milk Union deduct the same amount form the Society milk payments and society from the milk payment from the member.

2. Other Sales/Services

Voucher is created for every sale or services provided by the society to the customer on cash or credit basis. For the purpose common bill or book is maintained by the society. There may be provision of subsidy in some services at few societies.

3. Other Purchase/Services

Voucher is created for every purchases or services utilized by the society form the supplier either on cash or credit basis. (Cash Expenditure). For the purpose common book is maintained by the society.

Finance Accounts

Financial Accounting

Financial Accounting module should facilitate to carry out various financial activities viz. purchase, sales, payment, collections, cash & bank management, Income & Expense A/c. including online preparation of purchase voucher, sales voucher, journal voucher, Profit & Loss and Balance Sheet generation, details of Current Assets, Liabilities, Reserve Funds, Fixed Assets, Investments, Loans etc.

It should also provide the different reports like Purchase Register, Sales Register, Trial Balance, Cash & Bank Statements, Ledgers, Asset/Dead Stock register, MIS Reports, FD Reports etc. The system should define a uniform chart & accounts.

Banking/Finance

The Banking/Finance module should cover Insurance details of members/animals, Loans, Advances, Scholarships, Deposits including debentures, Funding etc. The system should provide the different reports viz. Outstanding loans/funds, Interest Scheme accounting reports, FD details, members' insurance details etc.

Audit / Supervision

The Audit module should have regular as well as Test audit features including issuing audit memos. It should also generate various reports like ICD Modules report, different Patraks for Audit Memo, comparison audit observations and action taken for previous



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and current year, supervision history details, pending observations details, dead stock register etc.

Cash Book

All transaction for the day mentioned above related to the income and expenditure are entered here to keep cash book up-to-date. However, some of the transaction are entered later date viz. Income from sale of milk to the union is entered on 10th or 11th day, CF Purchase, Ghee Purchases and necessary transactions.

Gen.Ledger

About 200 ledger account for each and every classified activity is maintained in general ledger. Based on this every month or every quarter provisional trial balance, P/L account and balance sheet is prepared.

Ledger Account

For every member of society a ledger account is maintained by the society. Frequency of milk supplied, equipment supplied and value realized for the month by the member are the basic information in the ledger. The prime license of this ledger is to pay year-end-price-difference, dividend and to decide voting rights of member for election. Different practices are prevailing in the calculation viz. Based on quantity, based on value, 240 days milk pouring, certain amount of quantity for the year.

Profit Appropriation

After the distribution of the price difference, profit is distributed among the members on the basis of Cooperative Law. System should able to calculate bonus as well as maintain the records of profit appropriation.

Animal Husbandry

MU provide the veterinary services to the members which includes medical treatment and Artificial Insemination. MU keeps track records of AI and their results. Request is made by member for medical services to society, which interns inform chilling centre or MU. Necessary relief action is conducted by Veterinary section. Veterinary officer gives a bill to member for services. Society may further subsidies the services as per their rules. Members' contribution is deducted from milk payments. The major activities includes :-

1. Animal survey

We conduct animal/ survey at regular interval. The system should support recording and analysis of various survey data at various levels.

2. Health Centre



The MUs provide animal health care facilities to farmer member at reduced rates. The system should maintain complete data & help in analysis.

3. Breeding

The DCS in consultation with MU provides breeding services. The system should record the complete pedigree details and all activities related to Artificial Insemination (AI) & Breeding.

4. Nutrition

The cattle nutrition is an important activity. The system should keep a track of animals and assist farmers in least cost formulation.

1. OTHER ACTIVITIES

Group Insurance Scheme

MU is providing Group Life Insurance service to its societies. Every member has to deposit premium. That premium is deducted from their respective milk payments or by society. It covers all the members between 18 - 59 years. In some places premium is paid by the society and they does not deduct it from the members. Premium is sometimes subsidised by MU.

Salary Accounting

Each society has their own staff to look after their day to day activities. Thus system should be able to conduct salary accounting, salary payments and legal deductions, such as PF, SAS, etc and generate appropriate reports for the same.

Deposit Scheme

MU runs different deposit scheme for societies ranging from six months to five years. Their interest rates also varies along with scheme as well as time. The amount is collected through the deduction in price difference payment to societies. Societies have also option to deposit money through cheques, cash or milk bills.

Cattle Insurance

Some societies are running cattle insurance scheme. Premium is paid by the society or by the members. In case of members the amount is deducted through milk bill or paid by cheque or cash.

Member Saving Scheme



Many societies has member saving scheme, where a small amount is deducted from the member's daily milk payment. Member also get the interest on the deposited amount decided by the society. Duration of deposit is also decided by the society, which varies from society to society.

Member Pension Scheme

Societies are also planning to start a scheme where member has to deposit a small amount from daily milk payment, and after a certain period (say five to ten years) society will pay a fixed amount to member for rest of his life.

Member Loan

Societies provides loan to its members as well as non members for fodder seed, cattle or for personal uses. Interest rate fluctuate from time to time. Loan is recovered through daily milk payments or cheques.

Design Requirement

- There should be a single unique number for the member, which should be used every where for reference.
- System should record the serial number of members dumping milk as well as the time of dumping.
- Manual entry and / or modifications of the data received automatically from other systems (e.g. Milk quantity, Fat and SNF) should be possible with a indication tag for such changes.
- In case of fat / SNF dispute Average fat / SNF is to be consider for respective morning or evening.
- System should maintain the cash book for Milk, Ghee, Cattle Feed and other items.
- Reports (Indicative)
 - Member wise report of milk collection.
 - Daily Milk Summary Report.(Includes Buffalo milk, cow milk and their respective quantity, fat / SNF% and amount in Rs.)
 - Shift Wise Summary Report. (Buffalo milk, cow milk and their respective quantity, and average fat / SNF%. Total milk, Average fat % and amount in Rs.)
 - Monthly Summary Report of milk collection.



- Milk Bill Report (Payments to members) (Either three times a month or two times a month or once in a month).
- Receipt of milk, Ghee, Cattle Feed and other Items.
- Dispatch of milk, Ghee, Cattle Feed and other Items.
- Reports on the basis of services such as AI, AH, etc.
- Annual Accounts - Balance Sheet and, Profit and Loss Account.
- Yearly Progress Report.

2. Summary

- Data volume and labour is maximum at the milk purchase activity. Capture this data at the time of milk collection by automating the activity. Transfer all the data from this process equipment to the computer after shift or day is over. Once this is done, all relevant information of purchases can be generated easily from the computer with tailor made software daily, monthly or yearly.
- Capture bill data of Local sale of milk, Ghee, CF and other sale after the transaction is over (Volume of data per day is not very high) in tailor made software. Also capture information form truck sheet, milk bill, CF bill, Ghee bill etc received from the union after every ten days. Once this is done, all relevant information can be generated with the same software.
- Use standard user friendly financial accounting software on computer to maintain books of accounts.
- Integrate all the functional activities to reduce data entry and to increase accuracy of data at all level.
- Develop necessary interfaces/integration between the equipment and the process.
- PC / DPU based Automatic Milk Collection System (AMCS) with suitable application package will be able to take care of entire computerization of DCS. For Wide Area Network (WAN) connectivity between DCS, Union and Federation take one internet dial-up/Broadband access services form Internet Service Providers. Basically, this will be used by DCS and Union for Messaging and file transfer.

ANNEXURE 1

Qualification Application

All the vendor submitting their offer against this RFP for any or all the items must submit the qualification application along with the information in the following formats together with the relevant documentation.

FINANCIAL BUSINESS AND TECHNICAL CAPACITY

1. Submit Financial Statements of last 3 years such as Balance Sheet, P&L Statements

2. Income tax clearance :

Please enclose copies of following documents :

- a) Details of income tax registration and
- b) Last income tax clearance certificate.

3.Sales

Category	Value of current orders to be executed in respective currency	Value of anticipated sales for next financial year in respective currency
Govt. Department		
Commercial		

Annual Turnover

Financial Year	Turnover
2020-21	Rs.
2019-20	Rs.
2018-19	Rs.
2017-18	Rs.
2016-2017	Rs.

ANNEXURE 2

CAPABILITY STATEMENT OF PERSONNEL, EQUIPMENT, PLANT AND PAST PERFORMANCE

1. Personnel/Organisation.

Give organisation chart indicating clearly number of employees at various levels and including following departments -

- Development
- Marketing
- Installation and Commissioning
- Support Services
- Administrative

2. Nearest service centre to buyer :

Location_____ Phone no._____

3. Details of organisation at services center

- a) No. Skilled employees _____
- b) No. of unskilled employees _____
- c) No. of engineering employees _____
- d) No. of administrative employees _____
- e) Number of support executives _____

4. Names of two buyers to whom similar applications are supplied and installed in the past and to whom reference may be made by the GCMMF regarding the vendor's technical and delivery ability :

1)-----

2)-----

5. List of major projects of similar size and nature previously undertaken by the vendor.

Name of the Client	Project	Year of award	Year of completion	Capacity & Products	Value & Currency

ANNEXURE 4

Minimum requirement of hardware requirement : (Details to be furnished by the Vendor)

Sr.	Description	Details
A	PC	
1	Make	
2	Model	
3	Processor	
4	Chip Set	
5	Processor Speed	
6	Cache Memory	
7	RAM	
8	RAM Upgradabe to	
9	Nos. of Slots	
10	HDD	
11	FDD	
12	Serial Port	
13	Parallel Port	
B	Software	
1	Operating System	
2	Antivirus Software	
3	Office Automation Applications	
4	Others	
C	Server	
1	Make	
2	Model	
3	Processor	
4	Chip Set	
5	Processor Speed	
6	Cache Memory	
7	RAM	
8	Ram Upgradability	
9	Nos. of Slots	
10	HDD	
11	FDD	
12	Serial Port	
13	Parallel Port	

ANNEXURE 5 - Format for submission of Rates (excluding taxes)

Sr. No.	Description	Proposed		YoY Inflation	Remarks
		Unit	Rate		
1	Design & Development of Common Application for VDCS (License Fees)				
	A) VDCS having own Software	Per VDCS			#License for application
	B) New VDCS / VDCS having Other AMCS application	Per VDCS			
	C) DPU Software License fee	Per VDCS			
2	Installation, Maintenance and Training for Application at Village Level				
	A) VDCS with own PC based AMCS Software				
	VDCS Deployment Cost	Per VDCS			#Specify number of days
	Accounts Training Cost	Per VDCS			
	B) VDCS where new or other PC AMCS required				
	VDCS Deployment Cost	Per VDCS			#Specify number of days
	Accounts Training Cost	Per VDCS			
	C) VDCS having own DPU				
	VDCS Deployment Cost	Per VDCS			#Specify number of days
	Accounts Training Cost	Per VDCS			
	D) VDCS where new or other make DPU				
	VDCS Deployment Cost	Per VDCS			#Specify number of days
	Accounts Training Cost	Per VDCS			
	Training Manual	Per Unit			
USB 4G Modem	Per Unit			#eSIM preferred	
3	Procure, Install, Maintain/Upgrade of Central Portal Hardware				
	A) Central Portal Hardware				
	B) Hosting & Management Charges				
	Year 1	Monthly			#Also specify charges per society
	Year 2				
	Year 3				
	Year 4				
	Year 5				
	C) Data Transfer Charges (VDCS to Central Portal) including SIM management				
	4G - Monthly 2GB Plan	Monthly			

4	Helpdesk for Application				
	A) Helpdesk Support - Toll Free				
	Year 1	Per VDCS per month			
	Year 2				
	Year 3				
	Year 4				
	Year 5				
	B) Support - On site				
	Option 1 - Fixed Charges for every 75 installations + TA +DA (i + ii)				
	i) Fixed Charges for every 75 installations				
	Year 1	Monthly per 75 VDCS			
	Year 2				
	Year 3				
	Year 4				
	Year 5				
	ii) On site Visit Charges	DA Per Day in Rs.	TA Per KM		
	Year 1				
	Year 2				
	Year 3				
	Year 4				
	Year 5				
	Option 2 - Fixed Charges for every 75 installations + Per Call Charges (i + iii)				
	i) Year wise Per Call Charges				
	Year 1	Per Call			
	Year 2	Per Call			
	Year 3	Per Call			
	Year 4	Per Call			
	Year 5	Per Call			
	Option 3 - On site Visit Charges - Per Month Per VDCS				
	i) Flat rate per VDCS per Annum				
	Year 1	Per VDCS per Annum			
	Year 2				
	Year 3				
Year 4					
Year 5					

5	Application Maintenance, Up-gradation, Data Management for 5 years			
	Year 1 Service Charge	Monthly		
	Year 2 Service Charge			
	Year 3 Service Charge			
	Year 4 Service Charge			
Year 5 Service Charge				
6	Survey Charges	Per day per resource		
7	Re training Charges	Per day		
8	Antivirus Charges	Per PC per annum		