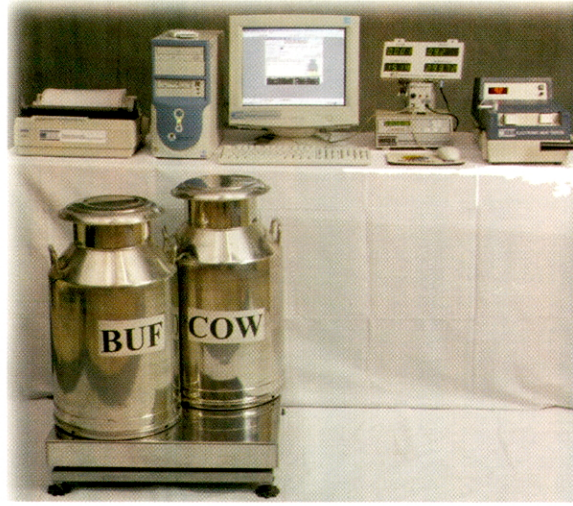# AUTOMATIC MILK COLLECTION UNIT

Description

The Automatic Milk Collection Unit (AMCU) is an integrated unit, comprising of following:

- Electronic Weighing Scale
- Electronic Milk Tester
- Personal Computer
- Society Accounting & Management Software
- Dot Matrix Printer
- Digital Indicator
- Uninterrupted Power Supply

ENGLISH

KANNAD

GUJARATI

TELUGU

The system is suitable for instant weighing of the milk, measurement of fat content and calculating the amount payable to the individual member based on fat and weight.

This system can also be used for maintaining the complete records of the village co-operative society together with details of all transactions.

This system can perform 120-150 operations in an hour. The sequence of operation require pouring of milk in weighing milk Can, collection of milk samples at the time of pouring, entering the member code through keyboard, measurement of fat content, calculation of payment and printing of payment slip.

Society Accounting & Management Software covers computerisation of the various activities of a village co-operative society. The total solution including computerisation is conceived, designed, developed and customised for the dairy sector.
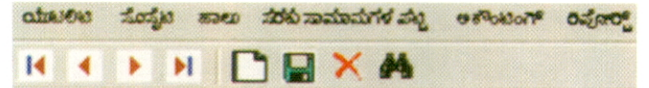
The work of society was performed manually by the society staff till recent years, which used to take considerable time and efforts of all those involved in execution of the aforesaid work. Like any such operation, the job is governed by the procedures, practices and associated rulings on the matter. On initiative of the NDDB, the job is automated through computerisation in different phases.

The package has been developed in various regional language i.e. Hindi, Gujarati, Kannad, Teugu, Marathi, Gurumukhi, etc. for both milk collection as well as society accounting and management.
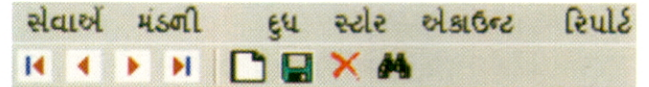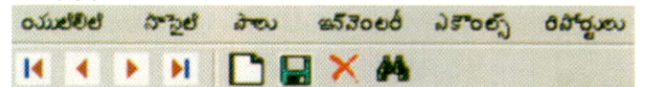
Specifications

Electronic Weighing Scale

Designed and Marketed by REIL confirming to "Standards of Weight and Measure (General) Rules 1987" as amended upto date

- Capacity : 200 Kg.
- Resolution : 20 Gms
- Load cell : Stainless steel
- Platform size : AISI SS 304, 1.5mm thick & size 600mm x 600mm polished to 150 grit
- Battery backup : In-built battery backup during power failure

Electronic Milk Tester

- Measuring range : 0-13% fat
- Speed : 120-150 samples/hour
- Accuracy (SD) : 0.06 for 0-5% fat
  0.10 for 5-8% fat
  0.20 for 8-13% fat
- Repeatability (SD) : 0.03 for 0-5% fat
  0.04 for 5-8% fat
  0.08 for 8-13% fat
- Sample volume : 0.5 ml/test
- Diluent volume : 6.5 ml/test
- Communication : RS 232

Dot Matrix Printer

24 Pin 80 Column Dot Matrix Printer

Personal Computer (PC) *

Business class with Micosoft & DMI 2.0 certified

- Intel Dual Core CPU with Intel Chipset, 160 GB HDD-7200 rpm
- 15" TFT Colour Monitor
- Combo Drive (CD/RW/DVD), Speakers & Micro Phone
- Win MM Keyboard,
- Optical mouse with pad., On board 10-100 E-net
- 4 USB, 2 Serial, 1 Parallel Ports, 1 KBD Port
- Internal 56.6 kbps D link modem
- **Operating System:** The operating system will be a licensed Preloaded Win Vista version with backup CD
- **Application Software:** REIL SAMS in accordance with "A system study report of a Typical Dairy Co-operative Society"

* Specifications are subject to change as per stock availability and standard from International manufacturers.

Digital Indicator

- Display type : 7 Segment GREEN LED of 25mm height
- Display indication : Member Code, %Fat, Weight & Amount

Uninterrupted Power Supply

Capacity	:	1400VA/1500 VA/2000VA
Type	:	Line Interactive Type
Voltage at input	:	160 Volts to 280 Volts
Voltage at output	:	230 ± 10% Volts (AC)
Full protection	:	Under/over voltage, Low battery voltage, Over load, Short circuit, No load protection against spikes
Backup time	:	3 hrs minimum in fully charged condition

Features

- **Society Management**
  - Society / Member Registration
  - Member Shares
  - Milk Rates / Chart
- **Milk Management**
  - Milk Collection / Local Sales/ Dairy Sale
  - Milk Received at Dairy
  - Milk Payments / Daily Register
  - Member/ Shift / Month / Yearly / Bonus Reports

- **Inventory Management**
  - Stock Register
  - Material Purchase
  - Material Sales
- **Accounts Management**
  - Trial Balance
  - Day / Cash / Bank Book
  - Ledger Accounts
  - Profit & Loss / Balance Sheet

Regional Offices

Andhra Pradesh	Gujarat	Karnataka	Madhya Pradesh	Punjab	Bihar	Uttar Pradesh	Rajasthan
Hydrabad	Anand	Bangalore	Bhopal	Chandigarh	Patna	Lucknow	Jaipur
09490794876	09426009337	09449812925	09303027148	09417803225	09051142562	09696870007	09929705337

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ISO 9001 REGISTERED
DNV
DNV Certification B.V., The Netherlands
MGMT.SYS. RvA C024

DOC. No.: REIL-02-41-02

The above specifications are subject to change without prior notice in order to provide you the best available and acquired for continual improvement.