MILK DELIVERY TERMINAL

Description

The Milk Delivery Terminal (MDT) is a Hand Held Computer, in which the program is stored along with all the relevant data, for transactions during the journey of Delivery Van of a Dairy Plant to deliver milk and milk products for sale at the respective outlets, and book orders for delivery in the shifts on the next day.

The storage of program and data is done through a Personal Computer (Host PC), and is called prejourney configuration, which includes route specific master information. It also includes master data of products, milk booth agents, and the transaction data such as agent-wise product dispatch, trays delivered, dispatch of extra shipments etc. The data pertaining to delivery, payment collection, order booking for the next day is input en-route. Various reports can be prepared at the end of trip.

After a journey is over, the transaction data files are transferred from MDT to the Host PC, over a communication cable connected to serial communication port. The MDT requires about three hours for full charging after which it can be used continuously for 7-8 hours.

Features

- An ideal substitute to the manual system
- User-access-control and password protection
- Instant calculation and recording of transactions
- Print product-delivery reports
- Perform products order-booking
- Perform collection of payments
- Perform trays delivery and receipt transactions
- Agent credit-limit based operation
- Representative reports:
  - ➤ Agent list Product list
  - ➤ Vehicle dock-dispatch slip
  - ➤ Total/agent-wise Dispatch note
  - ➤ Agent delivery cum order-booking slip
  - ➤ Total/agent-wise order-booking note
  - ➤ Agent-wise Cash receipt report
  - ➤ Total/agent-wise tray transaction report
  - ➤ Vehicle dock-return slip

Specifications

- **CPU:** 32 ARM Processor, clock speed above 60 MHz.
- **Data Memory:** Min. 16 MB or above
- **Program Memory:** 256 KB or more Program Memory Area
- **Display:** Graphic LCD display (128x64 pixels or more) with backlight,
- **Keypad:** Alphanumeric keypad- 30 key (5x6),
- **Communication:** Communication with PC through USB and high speed RS232 port
- **Clock:** Built in real time clock with battery backup
- **Power and Battery Control :** Built in Battery (2.5 A Hr.-Li-ion) and associated intelligence charging circuitry, minimum 10 hours backup , Built in battery status indicator, Battery charge and low charge level indicator, Light weight charger
- **Printer:** Thermal printer min. 2" inch with hand held computer
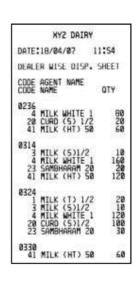- **Other features:** RFID card reader, Housed in ABS plastic case with carrying case

Application Software

- Hand Held Computer - end software
- Personal Computer - end software

Benefits

- ➢ On-site verification with milk-booth agents in respect of order-booking quantities.
- ➢ Facilitation of agent-wise tray accounting.
- ➢ Dock level monitoring and management of dispatched and returned goods.
- ➢ Elimination of back-end data-entry of order booking.
- ➢ Savings in data-entry manpower at the back-end.
- ➢ Speedy and accurate servicing of orders booked.
- ➢ Elimination of calculation and accounting errors.
- ➢ Application of agent credit-limit during on-site order booking and collection of payments.

Note: A pre-implementation study is a pre-requisite for such projects, to identify the system requirements and user requirements. The customization can be done as per the user requirements.