

MILK COLLECTION TERMINAL



Description

The Milk Collection Terminal (MCT) is a Hand Held Computer, in which the program is stored along with all the relevant data, for transactions during the journey of collection of milk from the doorstep of farmer and provides the receipt of milk collected to farmer.

The storage of program and data is done through a Personal Computer (Host PC), and is called pre-journey configuration, which include route specific master information. It also includes master data of Farmers, Area, Milk Rate, Bank Details and the transaction data of Milk receipt from farmers. The various reports can be prepared at the end of trip.

After a journey is over, the transaction data files are transferred from MCT to the Host PC, over a communication cable connected to USB port. The MCT 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 milk receipt report
- Fully customized farmer wise milk rate
- Making available data to host pc for data analysis and preparing variety of reports
- Representative reports:
 - Shift end milk collection report
 - Periodic farmer wise milk collection report
 - Periodic route wise milk collection report
 - Periodic bank wise report in excel for payment to farmer
 - Export Excel file for interfaced with Tally ERP for financial accounting.
 - Route Wise/Area Wise/Farmer Wise milk collection comparison report

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

```
-- DAIRY NAME--
MILK PLANT
Date: 05/08/2014 10:12
Code:00031
Name:KISHATI DEVI
Bank:STATE BANK OF INDIA
A.No.:11788984993
Area:MANGLUTAN
Session:Morning
Qty(Ltr) :6.50
Rate per Ltr: 38.00
Total Amount:247.00
DRINK MILK MAKE HEALTH
```

```
-- DAIRY NAME--
MILK PLANT
DAILY SHIFT WISE MILK COLLECTION
Route: 0002MANGLUTAN
Date:05/08/2014 SHIFT:M
CODE NAME
QUANTITY RATE/LTR AMOUNT
00015 DHIREN MONDAL 5.00 38.00 190.00
00019 DEEPAK DAS 31.00 38.00 1178.00
00017 APARNA PAUL 11.50 38.00 437.00
00005 DEBASHISH NAG 2.50 38.00 95.00
00016 KISHORE BIRAGI 16.00 38.00 608.00
00011 SAMAR ROY 3.00 38.00 114.00
00010 BECHA RAM BARMAN 1.00 38.00 38.00
00008 SHYMAL MANDAL 2.00 38.00 76.00
00019 JAISHANTI SARDAR 6.50 38.00 209.00
00018 GITA BAROI 3.00 38.00 114.00
00022 NERAWA 5.00 38.00 190.00
00021 M. VENKAT RAO 1.00 38.00 38.00
00025 A.L. PALANIYANDAL 2.00 38.00 76.00
00027 V. MAHALINGAM 3.00 38.00 114.00
00014 P.T. THOMAS 3.00 38.00 114.00
00030 VINALA DEVI 1.50 38.00 57.00
00004 P. PRANDIYANDAL 1.50 38.00 57.00
00027 V. MAHALINGAM 7.50 38.00 285.00
00031 KISHATI DEVI 7.50 38.00 285.00
00028 DHIREN MONDAL 4.50 38.00 171.00
00031 KISHATI DEVI 6.50 38.00 247.00
```

Application Software

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

Data Transfer Between PC and HHC

HHC Status for Communication: Ready for communication

Data Sent to Milk Collection Terminal | Data Receipt from Milk Collection Terminal | Erasing the Data from Milk Collection Terminal

Select the data for Download:

☐ Area Master ☐ Branch Master ☐ Milk Rate Master

☐ Bank Master ☐ Farmer Master ☒ Download Milk Collection Data from HHC

Download File from HHC

Total Record Processed 17 of 17

Select Route Detail File: [Browse] Process

Select Milk Collection File: [Browse]

Route Name: 0002 MANGLUTAN Route Supervisor Name: ALEXIOUS

Download Date Time: 12/08/2014 10:30

| Farmer Code | Farmer Name | Date | Shift | Qty. Of milk | Rate | Amount | MCT Date | MCT Time |
|-------------|------------------|------------|-------|--------------|-------|---------|------------|----------|
| 00015 | Dhiren Mondal | 05/08/2014 | M | 5.00 | 38.00 | 190.00 | 05/08/2014 | 07:27 |
| 00013 | Deepak Das | 05/08/2014 | M | 31.00 | 38.00 | 1178.00 | 05/08/2014 | 07:47 |
| 00017 | APARNA PAUL | 05/08/2014 | M | 11.50 | 38.00 | 437.00 | 05/08/2014 | 07:57 |
| 00005 | DEBASHISH NAG | 05/08/2014 | M | 2.50 | 38.00 | 95.00 | 05/08/2014 | 08:01 |
| 00016 | Kishore Baragi | 05/08/2014 | M | 16.00 | 38.00 | 608.00 | 05/08/2014 | 08:03 |
| 00011 | Samar Roy | 05/08/2014 | M | 3.00 | 38.00 | 114.00 | 05/08/2014 | 08:05 |
| 00010 | Becha Ram Barmam | 05/08/2014 | M | 1.00 | 38.00 | 38.00 | 05/08/2014 | 08:09 |
| 00008 | Shymal Mandal | 05/08/2014 | M | 2.00 | 38.00 | 76.00 | 05/08/2014 | 08:10 |
| 00019 | Jaishanti Sardar | 05/08/2014 | M | 6.50 | 38.00 | 209.00 | 05/08/2014 | 08:12 |

Print Verification Save Reject

Miscellaneous Milk Collection Reports

From Date: 05-08-2014 To Date: 05-08-2014

Milk Collection Type: ☐ Manual ☐ Automatic ☒ Both

Shift: Morning

Report Type:

- ☐ Individual Bank
- ☒ Individual Route
- ☐ Individual Bank - Excel
- ☐ ALL Bank - Excel
- ☐ Route wise Tally Report - Excel
- ☐ Monthly Report Route wise Excel

Select Route: Manglutan

Print Close

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.

For further information contact:

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