

## Mission

To add value to Milk Dairy Sector; Milk Producers, Dairy Customers, by integrating vital Dairy functions: Procurement, Distribution, Processing, Human Resources, Financial Management and enhance productivity, profitability, prosperity.

## Vision

- Accurate and timely remuneration to Milk Producers
- Quality Milk to consumers
- Transparency in operations
- Competitive advantage
- Easy access to information
- Cost effective solution
- Integrated solution across business functions for higher efficiency

For Software Support & Services, Implementation & Training  
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**Windows 2003 Compatible**



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## Introduction

**SmartDairy**, a Dairy Resource Planning (**DRP**) application software, is recommended to be adopted across the spectrum of Dairy Industry and associated enterprises at various stages.

## Major Application Area

**SmartDairy** Software incorporates the following functional modules for Milk Dairies.

- Milk Procurement & Milk Receipt scheduling
- Milk & Milk Product processing and packing
- Milk & Milk products Distribution
- Transportation
- Material Management
- Engineering and Plant Maintenance
- Purchase Management
- HRMS & Payroll
- Financial Accounting

DRP product and solution is the process of introducing a latent shift in industry solutions through the concept of Lowest Cost of Ownership (LCO) or intelligence resource planning.



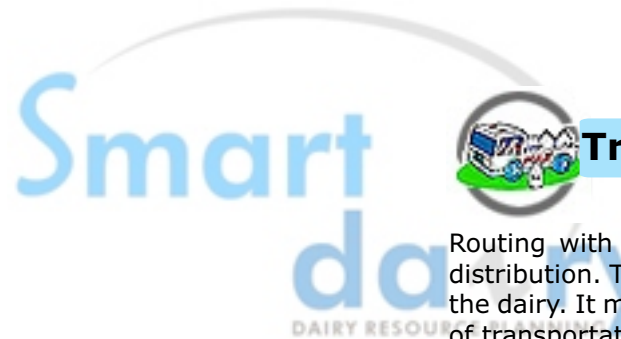
## Milk Procurement and Milk Receipt

This module keeps track of incoming milk to the dairy from various Milk Societies/Co-operatives through tanker/cans. Entire procurement operation starts with the recording of incoming milk vehicle and gets completed at the milk acceptance/rejection stage. This module is integrated to financial accounting module. It also covers recyclable Milk i.e. Raw/Chilled Milk-Return from Tanker or Processed Milk Returned from Packing and Distribution Section.



## Milk and Milk Product Distribution

The system is designed for liquid product distribution. For a typical milk dairy operation; it will automate all Distribution / Logistic functions (taking into account Crate Management, Route Management, Vehicle Management etc.) , Demand acceptance, Demand Collation. Setting priorities by curtailing and/or adjusting demands based on availability can be made simple. Comprehensive demand & trend forecasting can be done. Decision Support System available for Sales performance & Projections through out the Supply-Chain.



## Transportation

Routing with least cost method may be adopted for Milk procurement and distribution. This module is intended to keep track of the transportation cost in the dairy. It maintains the transportation schedule, type of transportation, rate of transportation with distance, commission on distance, special rate etc. This involves record keeping of Society/Co-operatives wise details of vehicle, route wise transport contract, transport fleet efficiency, milk Society/Co-operatives wise vehicle insurance premium and accident claims.



## Financial Accounting

The system provides financial functionality and Analysis support. Covers Divisional Accounting, Cost Centre Accounting, user definable flexible Chart of A/c, Ratio Analysis, Budget Analysis, Fund Flow Statements, General Ledger, Accounts Receivable/Payable, Trial Balance, Balance Sheet, Profit & Loss A/c, MIS, DSS etc. It Supports Multiple Sites and multiple companies providing Data Consolidation. It is a discrete package offering higher flexibility yet readily compatible for integration with other ERP modules.



## Material Management

Materials Management Solution covers pre-purchasing activities, Purchasing, Vendor Evaluation. It provides material management right from site-level material management to Enterprise wide visibility with inventory cost elements directly linked with financial accounting. Invoice approval and payment processing is also covered. It enables business houses to control critical conditions such as inventory shrink, increase in Cycle times etc, and carry out seamless processes to meet customer demand.



## HRMS and Payroll

The System covers Personnel and Organizational Management providing fully integrated centralized data structure for entire enterprise. Personnel Mgmt includes Recruitment Mgmt, Reimbursement for company expenses, Benefits Administration, Investments, Tax Calculation, Payroll, Time Mgmt and Personnel Development. Organizational Mgmt encases Appraisals, Resource Allocation, Job Description, Planning and Personnel Cost Mgmt. Policies, Bulletin Board, Suggestions, Discussions, Library Mgmt also covered.



## Engineering and Plant Maintenance

This software module helps to streamline plant maintenance and there by achieve uninterrupted dairy operation at a lower cost. The plant maintenance is essential and neglecting it will prove expensive. There are too many instances of serious outcomes arising from lapses in preventive maintenance and inadequate performance in corrective maintenance. The plant maintenance provides a database that can represent every object in your dairy that could possibly require maintenance.



## Milk Product Processing and Packing

This module is planned to keep track of the Milk Processing and Packing in the dairy. Reconciliation of FAT and SNF account (Mass balance) is done at the end of each major process. This will help to identify process yield and loss due to possible leakage and pilferage. Major processes covered in this Module are Pasteurization, Homogenization, Reconstitution/Conversion, Milk transfer from silos/storage tanks, and Milk packing.

Milk Products Processing module has been designed and developed to take care of various products manufactured by the dairy. It helps to record manufacturing details like quantity of milk and other materials required for production, quantity of manufactured product, unused raw materials, materials consumed and variance in consumption as compared to established standards. It covers reprocessing of milk, pasteurization, homogenization for cost consideration and also sterilization and products packing processes. It keeps a track of the machine specification that is used in the production.



## Purchase Management

The Purchase module is to automate the various purchasing function of the dairy. On line requisition/indenting and approvals will shorten lead-time to procure the material. This module will also help to maintain record of approved vendor details, vendor rating and supply history, consumption pattern of major items, lead-time information to procure the material.

## Reports

### Milk Procurement & Milk receipt scheduling

- ★ Society/Co-operatives wise Milk receipt
- ★ Society/Co-operatives wise Daily QC Report
- ★ Variance of Supplied Milk against Quota
- ★ Societywise FAT/SNF/Acidity/MBRT history
- ★ Detained/Rejected vehicle Report
- ★ Arrival time compliance
- ★ Supplier's Bill Generation
- ★ Exceptional Reports (Query Mode)
- ★ MIS Reports

### Milk & Milk Product Processing, Packing

- ★ Reconciliation of FAT & SNF
- ★ Hourly Stock position of raw/processed milk and other material used in processing
- ★ Shift wise, Machine-wise Production
- ★ Consumption of Material used in production
- ★ Storage Container (Tank/Silo) wise QC Report
- ★ Dispatch to Distribution and Products manufacturing Department
- ★ Dispatch to other Locations and Other dairies.
- ★ Milk Spoilage and Wastage Report

### Financial Accounting

- ★ Cash & Bank Book
- ★ Individual Ledgers
- ★ Registers - Purchase, Sales, Journals, Debit Note, Credit Note
- ★ Trial Balance
- ★ Balance Sheet & P&L A/C
- ★ Provision for Bill-to-Bill Adjustment
- ★ Aging Analysis (of receivables / payables)
- ★ Group summary
- ★ Statements of Receivables/Payables
- ★ Generation of TDS Registers
- ★ Loan Repayments along with Int. Calculations

### HRMS & Payroll

- ★ Organizational management
- ★ Personnel Development
- ★ Workforce planning
- ★ Room reservations planning
- ★ Employee training Refresher course
- ★ Appraisal Skill level upgrading
- ★ Recruitment
- ★ Call vision, Staff rules & Policies
- ★ Reports related to salary & wages

### Material Management

#### Stock Analysis

- ★ Status / Statement / Consolidations / Ledgers
- ★ Stock Valuations *item / location - bin/ Summary FIFO / LIFO / Specific Price / Base Stock / Average*
- ★ ABC analysis & FSN movements - Definable
- ★ Inventory turnover

#### Vendor Analysis

- ★ Orders Status/executed
- ★ Top 10 vendors, Performance
- ★ Ageing analysis

#### Product Analysis

- ★ Periodical Product wise / Location wise Consumption Analysis
- ★ Purchase registers Product wise / Vendor wise
- ★ EOQ (Economic Ordering Quantity) Report

### Engineering & Plant Maintenance

- ★ Equipment usage, Cleaning & Breakdown history
- ★ Monitoring consumption of energy, spares and consumables
- ★ Machine wise productivity report
- ★ Maintenance service contracts by agencies
- ★ Outside repairs