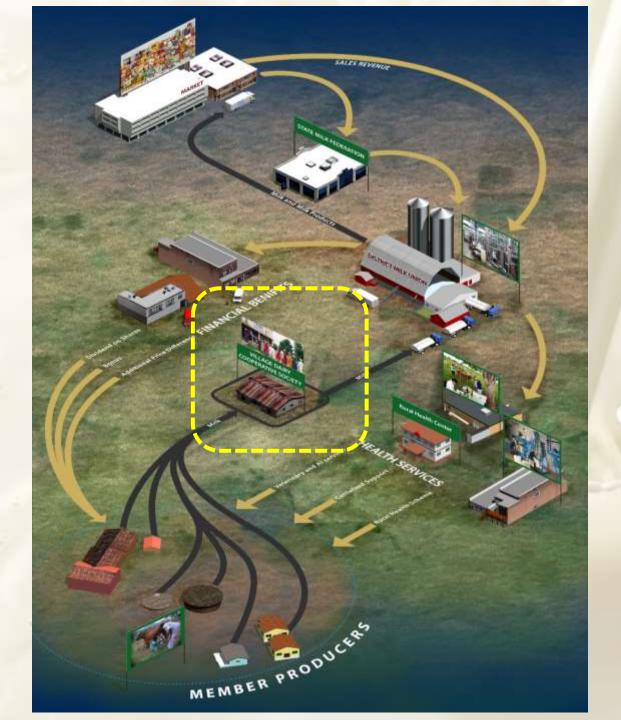


Improving Process Efficiency at DCS Level

Niraj P Garg NDDB, Anand



A typical Dairy Value Chain

Focus on

- Operations at DCS Level
- DCS interactions with Dairy



Approaches





















AMCS Components



Desktop Application



02-02-2014 Milk

Portal Applications

Mobile Applications



Automated Milk Collection System

A robust, integrated, multi-platform multilingual software for complete Village level Dairy Institution's operations, integrated Union/Federation/National levels to enable transparency and key Informatics based on Open Source Stack.





Federation













National

Portal

Digitised Management of Milk/product/ input/payment /credit flow **Between DCS** and Union



Union ERP System

Bank server



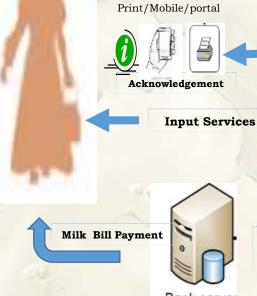






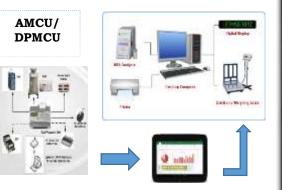






Milk pouring





Net Milk bill Payment transfer to Banks











Society Organization

Society Organization

Member Registration Staff Management

Share Management Meeting Management











Society Registration

Group DCS /

Sub Center

Pourer Registration

Animal Details

Additional Information

Staff Details

Attendance

Payroll

Allocation / Deductions

Certificates

Transfer / Refund

Election

Meetings

Minutes/ ATR



Milk Collection

Milk Collection

Bulk Cooling operation

Local Milk Sales

Milk Dispatch to Plant Receipt at Plant











Purchase Rate

Equipment Integration

Running Hours & Consumption

Parameter Recording Rate Management

Dynamic Credit Control

Dispatch Challan

Payment Cycle

Dispatch Receipts

Dispatch/Receipt Reconciliation



Product Management

Requisition

Dispatch

Receipt @ DCS

Sale



Product Management

Integration with Ordering System









Consumer and Trade Schemes

Dynamic Credit Limit validation



Product Stock

Multiple UoM



Product Rate Management

Product Accounting



Financials

Core Accounting

Bill Generation

Payment Disbursement

Bonus Distribution



Common Ledgers

Bill & Vouchers

Financial Reports

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Milk Payments

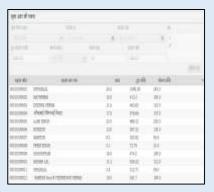
Adjustments

Direct Bank Transfer



Installment Adjustment

Payment confirmation



Selection Criteria

Bonus Declaration

Automated Accounting



Audit & Alert Management

Audit Query

Audit Response

Acknowledgement

Closure



Intelligent Audit Query generation

Automated Alert on the query



Receipt of Audit
Alerts

Response to Audit query



Query response receipt

Audit regeneration

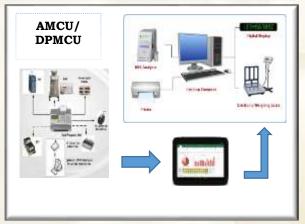


Audit Closure



Common Multilingual Portals

Village Level Dairy Institution



Milk Union Portal



Real Time / Periodic , Intelligent, Configurable, Multi Way, Multi-Mode Closed Loop Feedback Enabled Data Synchronization apart from Centralized Management and backup.



Union ERP System

Federation Portal





National Portal





Secure Installation & Activation Process

Installation of AMCS Application



Activation at Union Portal & Key Generation



DCS Secretary receives Activation Code in his/her mobile





Validation & Data Synchronisation



Acknowledgement by Union Officials



AMCS Application Activation



Multilingual Mobile Applications









Farmer

- Access to Farmers' own data
- Last few Transactions
- Balance check
- Payments Alerts

DCS Secretary

- · Details of milk received at dairy
- Audit observations by Supervisor and response to the same
- Balance check at dairy & alerts on dispatches
- Ordering and Order Status query to dairy

Dairy Supervisor

- Access to requisite DCS's data
- List of exceptional transactions
- Raising and following up on audit queries
- Details of milk received at dairy & milk supplier



Technology

Application supporting Windows, Linux and Android Platform









- Application supporting older machines to reduce Replacement Cost
- Application build using Open Source Components to reduce TCO











Support 11 Regional Languages Assamese, Bengali, Gujarati, Hindi, Kannada,
 Malayalam, Marathi, Odia, Punjabi, Tamil, Telugu.



Key Benefits

- Single Application supporting multiple deployment scenarios
- Security along with Flexibility
- Process Standardization
- Transparent & Automated Accounting
- Centralized Audit and Alerts
- Centralized Management
- Native Integration with Union Systems
- One Click Backup and Restore
- Extremely Low TCO



Thank You!

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