

CLICKSOFT (Pvt) Limited

Software Developers & Solution Providers

SUGAR MILL AUTOMATION MANAGEMENT SYSTEM

Product Guide

ERP For Sugar Industry

Our ERP for sugar industry is a customized ERP solution that would have an integrated software system comprising

- Financial accounting
- Inventory management,
- Human Resource Management System.
- Sales Automation Management System
- Cane Crushing Management System.
- Cane Pricing Management System

The total working processes in any sugar factories are very different than any other industry as production activity is seasonal in nature and a large number of temporary workforces also participate in production process.

This has a bearing on their accounting practices also. Our team did a detailed study of total production process of the sugar factory. Their accounting practices and inventory management practices were also studied. ClickSoft came up with a plan to transform these typical processes into a comprehensive ERP solution.

Our customized software solution for the ERP of sugar mill covers all the major processes of sugar mill ranging from financial accounting and budgetary control to payroll and accounting to inventory management to cane pricing and processing management to chemical lab reporting. This customized ERP solution was developed in Developer 6i with oracle 9i as database.

SUGAR FACTORY AUTOMATION SYSTEM easily maps to the workflow of business environment. People can be restricted to perform their assigned jobs. For example, cane purchase department will be able to issue CPR ,people at weighing machine will deal with cane weight etc. However, it is quite possible to assign multiple roles to one person. Therefore, multiple users to do their assigned jobs can either use this system, or system can be started in the manner that all tasks can be done by one user.

Customizability and flexibility

- User defined attributes for inventory items
- Definition of inventory items, their vendors, vendor prices
- Definition of customers and their relevant information
- Definition of departments and their employees

Security features

- Configuration of user groups of users and their privileges for the system

- Logging of all actions of the users for future reference

System Security

- System tracks all the actions Performed by the users
- Action log is maintained along with user reference and the time of action.

Highly Customizable

It allows the user to define products. Products can have different sizes and colors

User can configure discounts for products. Discounts can be percentage discounts; flat discounts, or fixed price discounts

User can make groups; assign privileges to groups to implement security requirements

Products can have multiple prices for different date ranges

Data recovery/Back up

Data is quite important for organizations so efficient data recovery and back up procedures are embedded into the System to enhance its security features. This backup procedure executes on daily basis and creates directories in the system on daily basis.

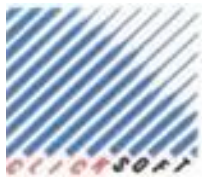
Remote Site management

This is quite important and demanding feature of the Sales automation System for the organization that has their departments at different locations. Sales automation System provides data portal utility, which import data and append it into the main database accordingly. Data is sent to the head office or main database through Email. Afterwards the data is inserted into the main DB with the help of efficient insertion algorithms. This feature is quite important for the organizations that don't have any Internet facility.

Cane Crushing Management

Cane crushing management system is highly customizable according to the requirements of any sugar factory. It automates all the crushing activities of sugar factory. The key features of Cane Crushing Management System are as follows:

- **Permit System**
The System automates the management of permit system. The permit ID is assigned and this permit ID is used to generate tokens for the particular vehicle. The permit number is used further for the issuance of token number.
- **Tokens System**
After the permit number, software allows manual token as well as computer generated token number with all details of grower information. Shift wise token summary and shift wise token register is available



- **Entry Permission System**

The software keeps track of entry time of each vehicle. The timestamp assigned to each vehicle is based on time, the time stamp is quite helpful in queuing the vehicles for weight machine.

- **Cane Weighing Management**

The Software supports the integration of the weighing machine. The first weight after unloading is calculated. The net weight is used for further processing and for CPR generation. The cane weighing system is integrated to entry permission system in a way that no vehicle can violate the que rules at weight machine. Because system is designed in a such a way that machine operator can't prefer any vehicle during weighing process, and he can only weight the vehicles according to sequence of permission number timings.

- **Mills Vehicle Status**

The software keeps track of all the vehicles in and out on the daily basis.

- Vehicles standing outside the factory gate
- Vehicles waiting for the first weight
- Number of vehicles unloaded during the day.
- Number of vehicles permitted during the day.

All information regarding vehicles is managed and provides quite analytical reports to the management.

- **Vehicle History**

Vehicle history is maintained, which contain all the information like:

- Vehicle Number
- Vehicle Entry Time
- Vehicle First weight
- Vehicle Net Cane Weight
- Respective CPR NO

- **Growers Passbook**

- Passbook information of grower is managed and Passbook ledger provides each and every detail of the grower Passbook like amounts of cane purchased by the sugar factory by respective grower.

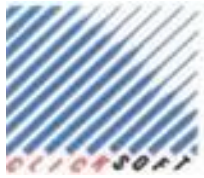
- **Growers Management Information System**

The growers from different sectors take part in the crushing season. All information of the growers including his crop type (Kamad type) is managed. The grower information is maintained sector wise.

- **Daily Crushing Summary**

The crushing management system is designed after great level of analysis. The daily crushing report is a vital part of it. This report summarizes all activities during the day including

- Yard Position
- Circle Position



- Shift wise Token Position
 - Shift wise Crushing Position
 - Center wise Cart Position
 - Gate Position
 - Vehicle Status at Different Gates
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- **Loan Management**

The software also plays quite important rule during off season activities. All loans granted to growers are managed. These loans are deducted during the preparation of CPR.
 - **CPR Management System**

CPR is a key document during the season. The software keeps track of all information regarding CPR. It generates CPR after the second weight and printed CPR is given to the grower. Special feature in CPR generation for a grower is the adjustment of various types of loans standing. The system is quite helpful in providing management reports like:

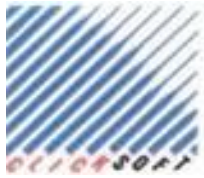
 - Payable CPR Detail
 - Payable CPR Summary
 - CPR Balances Center Wise
 - CPR Balance Center Wise Paid

Powerful Reporting

Sugar Industry Automation Management information system provides following reports. These reports are categorical shown here:

Purchases

- Daily Purchase Sheet –Shift Wise
- Daily Purchase Summary –Shift Wise
- Daily Purchase Summary –Center Wise
- Day Book
- Daily Summary
- Monthly Summary
- Purchase-Center Wise
- Purchase-Chak Wise



Bank Scroll

- Bank Scroll Summary
- Bank Scroll Detail

Payments

- Voucher Wise Detail
- Voucher Wise Summary

Balances

- Payable CPR Detail
- Payable CPR Summary
- CPR Balances Center Wise
- CPR Balance Center Wise Paid

Growers

- Passbook-Center Wise
- Ledger
- Loan-Center Wise
- Loan-Passbook Wise.
- Passbook Ledger
- Passbook Details
- Loan Summary-Center Wise / ChakWise

Tokens

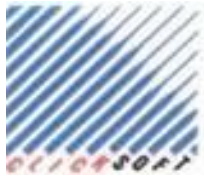
- Shift Wise Token Summary
- Shift Wise Token Register
- Shift Wise Gross Weight Register
- Shift Wise Tare Weight Register

Crushing

- Daily Crushing Summary

Employee

- Employee History Ledger



Grower Loans

- Lonee List
- Lonee Ledger
- Lonee List-Consolidated
- Item Ledger
- Loan Farm
- Loan Summary-Item Wise