

Hofinsoft – Cane Management Solution Version : 1.2.0

available for Management via the integration of cane supply information along with the cane accounting system

- Monitors supply of promising and healthy cane seeds (sets) to farmers
- Identifies high yielding varieties suited for agro-specific conditions to give better sugar recovery
- Record supply of manures and fertilizers

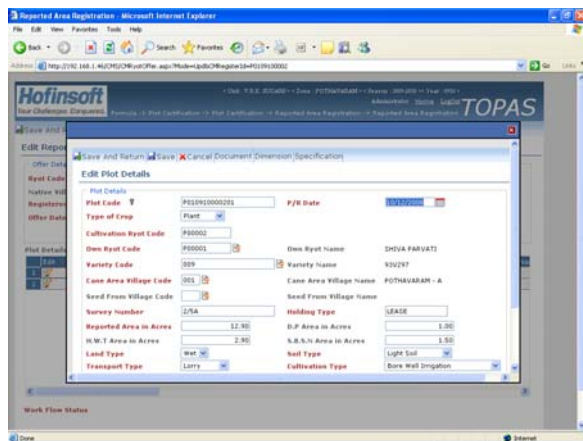
sugarcane to be crushed) cannot be more than 6-8 hours. Anything beyond that can lead to a stock-out, and will lead to spoilage of sugar. This results in a reduction of sugar yield from the cane. Further, the complexity increases since cane is harvested continuously from a few hundred centres across various remote locations

HofinCane is the result of this experience and of detailed study of the overall production process of sugar industry, its accounting and inventory management practices.

HofinCane contributes to greater production by providing efficient coverage to the entire information processing cycle from sugarcane acquisition planning, through cane receipt and grower payment processing as well as to the peripheral accounting and administrative processes. The key functionalities are detailed out.

The current challenge is to lower the cost of sugar production viz a viz higher quality, increasing diversity in the industry either due to co-generation or bio-ethanol production, as well as new regulations for pollution control etc., Hence the need for a unified IT Solution that ensures information visibility across the enterprise.

HofinCane starts with recording of the field survey details and registering cane grower (Ryot) and their field details as a part of cane procurement planning and ordering.

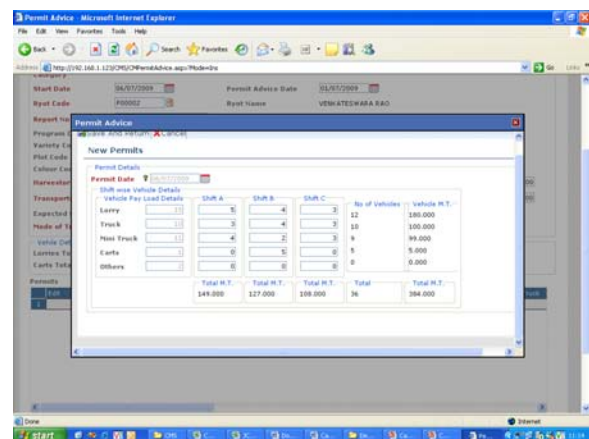


HofinCane maintains user definable formula for processing the quantity to be issued based on area agreement made by Ryots. HofinCane also facilitates the user for issuing various advances and subsidies to the Ryots for the purpose of cultivation of cane.

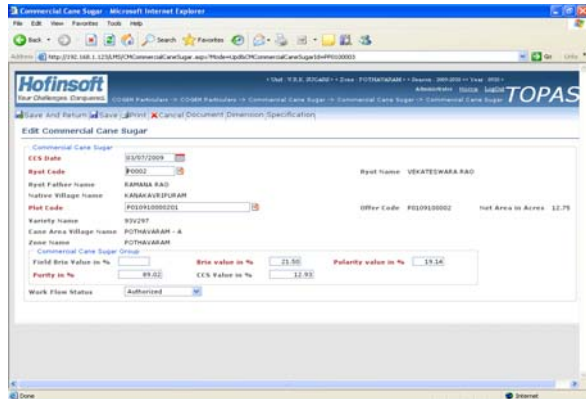
In crushing season, based on these registered information, Program for harvesting are maintained. HofinCane generates Sample analysis requests for each plot / field area for performing analysis based on the sampling

plan area. HofinCane maintains the schedule for harvesting with date wise quota details and permits are issued with different color code significance. Issue of Permits will be processed for the fields with sample analysis reports on attaining the expected recovery level of cane sugar. HofinCane also maintains the details of Harvester and transporter with the relevant agreed rate details for harvesting & transportation process.

In the yard, the transporter is admitted only with valid permit for the day and Weightment details will be captured and updated from the weighbridge system automatically. This ensures the complete traceability, continuity, consistency and accuracy in the system. This system also provides reliability and security to the management and increases the credibility of the management for cane growers.



Sample analyses for plot / area are maintained along with rate for burnt cane details on recover level of cane sugar.



HofinCane accounting maintains various user definable advances and loans. HofinCane helps in preparation and accounting of various Cane/harvester/transporter Bill. This also deducts the statutory and other deductions as defined from time to time. HofinCane facilitates to process and pay the arrears in case of any changes in rate or other parameters. HofinCane generates payment vouchers and intimation statement to the respective bank for various payments to Ryots, Harvesters, Transporters and Petrol Bunks and updates the details to the Finance Accounting System in on line.

FEATURES

CANE MANAGEMENT

General Features

- User Friendly Web based Application
- Role based user rights for accessing
- Access Rights Unit Level & Zone level
- Online validation with user friendly Error Messages
- Provision for exports the reports to Excel

General Details

- Zone, centre, mandal / taluk, village, bank
- Harvester, transporter, petrol bunk
- Cane variety, weighbridge, rain station
- Colour, removal reason
- Commodity
- Operator, shift

Standard Details

- Season, plantation, offer period, colour schedule
- Separate formula details (like bill of materials for manures against area in acre) for manure advance and manure subsidy against plantation type, crop type, area in acres (from 0.01 to 1.00 Acre)
- Plantation type wise variety wise details maintenance in Seed loan details, general subsidy, incentive
- Trash (binding material)

Registration

- Maintenance of zone level registration
 - Registration of cane growers (Ryots) for supply of sugar canes
 - Registration of plot details from registered cane growers (Ryots)
 - Updating of measured area details on field survey by field staff
 - Certification of plots and process of agreements (Form 2 & 3) with cane growers (Ryots)
 - Preparation of promissory note for the payment of seed loan to the farmer based on his certified area and seed loan
 - Preparation of agreement for issue of manure as advance to the farmer for the amount based on his certified area and manure details as in formula
 - Preparation of manure issue slip as advance and subsidy for manures to be issued to the farmer based on his certified area and manure details as in formula
 - Maintenance of two guarantors for issue of seed advance, manure advance and payment of seed loan to the cane growers (Ryots)
 - Removal of area or divert on specific reasons identified by field staff
 - Transfer of area from one farmer to another farmer in case sale / diseased
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Manures	<ul style="list-style-type: none">• Maintenance of zone level manure stores• Receipt of manures details from vendor, unit, inter unit and inter zone• Issue of manures details to cane growers (Ryots) based on of manure issue slip for advance and subsidy• Sale of manures for cash / credit to registered / unregistered cane growers (Ryots)• Issue of manures to unit, inter unit, inter zone and return of goods to vendor• Transfer of closing balance details from one season to the next season by the system
Planning	<ul style="list-style-type: none">• Maintenance of program based on plant type, crop type, variety and date of plantation• Maintenance of date wise quota allotment for harvesting to zone• Maintenance of date wise quota allotment for harvesting to centre against zone quota for the date• Provision for maintenance of date wise quota allotment for harvesting to village against centre quota for the date
Analysis	<ul style="list-style-type: none">• Preparation sample analysis request for each certified plot area based on sampling plan and program• One plot can have multiple samples based on the certified area and sampling plan area as defined in season parameter• Provision for preparing multiple sample requests for the same plot• Printing of sample analysis request in a pre printed stationary• Process of sample analysis and reports
Permits	<ul style="list-style-type: none">▪ Preparation of Permits for Sample Analysed Plots with colour code significance from colour schedule• Online validation for Issue of Permits not exceeding Centre Quota for the date. Also has the provision for validating with Village Quota• Provision for issue of permits for Burnt Cane on emergency basis. I.e. Without considering Centre Quota / Village Quota for the date• Separate colour code for Burnt Cane Permits as defined in Colour details• Provision for Exchange of Permits for the plot
Receipts	<ul style="list-style-type: none">▪ Receipt of cane at gate based on permits for the date▪ Integration of weighing details from weigh bridge system using RS232 cable▪ Provision for manual entry of Weightment details▪ Processing and deduction of trash (binding material) weight automatically based on actual weight in M.T. and trash (binding material) master▪ Provision for deducting N.S.M quantity

LAB SYSTEM

Standard Details	<ul style="list-style-type: none">• Brix and relative humidity
Analysis	<ul style="list-style-type: none">• Commercial cane sugar analysis• Atmospheric conditions• Hourly analysis reports , daily analysis reports• Intermediate analysis• House stock analysis• ICUMSA details
Lab Stock	<ul style="list-style-type: none">• Maintenance of lab Items stock receipts, recording of Consumption
Time Accounting	<ul style="list-style-type: none">• Maintenance of production stoppage details with proper reasons
COGEN	<ul style="list-style-type: none">• Recording details of power generation, power export to grid, power plant consumption , sugar plant consumption details
Reports	<ul style="list-style-type: none">• Daily manufacturing report• Technical data• Daily molasses production slip• Daily sugar production slip• Crushing particulars• Stock analysis• Brief crushing report• Weekly particulars• Intermediate analysis• More...
Statutory Reports	<ul style="list-style-type: none">• RT 7 (C)• RT 8 (C)

CANE ACCOUNTING



General Details	<ul style="list-style-type: none">• Bank, GL Account Code• User Definable Loans, Advances, Deductions
Season Details	<ul style="list-style-type: none">• Statuary Minimum Price (SMP) for Sugarcane• Incentive Cane Price (ICPT)• Unloading Charges, HSD Rate• User Definable Interest Rate for Loans & Advances• User Definable No of Instalments & Instalment Amount for Loans
Supply Accounting	<ul style="list-style-type: none">• Preparation of Supply Bill for Farmer for the supplies made during the period considering Statutory Deductions & Other Deductions like Unloading Charges
Issue Accounting	<ul style="list-style-type: none">• Accounting of Issues as Seed Advance, Manure Advance, Manure Subsidy, Manure Credit Sales
Advance & Subsidy	<ul style="list-style-type: none">• Seed Loan, Seed Transport Subsidy, General Subsidy
Services Accounting	<ul style="list-style-type: none">• Transporter bill for the period considering service provided, loans & advances availed and HSD consumed against bills• Preparation of harvester bill for the period considering service provided, loans & advances availed• Preparation of HSD consumption bill for the period considering service provided, loans & advances availed
Loans & Advances, Incentives	<ul style="list-style-type: none">• Preparation of Payment Vouchers for payments to Cane Growers (Ryots) / Transporter / Harvester as Additional Loans & Advances• Deduction of Loan Instalment & Advances from their Bills on Payment
ICPT	<ul style="list-style-type: none">• Preparation of Payment Vouchers for payments to Cane Growers (Ryots) as ICPT for the supplied quantity based on ICPT in CMS for payment
Payment Vouchers	<ul style="list-style-type: none">• Cane Growers (Ryots), Service Providers etc, considering their supply of Cane, Deductions, Loans & Advances availed in terms of Cash / Kind and Services availed in terms of Transport & Harvest• Bunks considering their supplies to Cane Growers (Ryots) & Transporters
Arrears	<ul style="list-style-type: none">• Processing Arrears Calculation against rate variation in SMP / ICPT / Unloading Charges

HofinCane– Cane Management System is developed by
Hofinsoft Technologies Private Limited
408/19 GR Complex Annex
3rd Floor Anna Salai, Nandanam, Chennai 600 035
www.hofinsoft.com

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