

FLEET MANAGEMENT SYSTEM FOR LIQUID CARGO CARRIERS

Scope

1. The software tracks the loading and unloading operations of Liquid cargo carriers such as Trucks, Bullets, Tankers and Containers. It covers both “owned” and “hired” vehicles. “Bulk” cargo is transported from refineries to bottling plants and “Packed” cargo is transported to distributors. Tariff chart exists for between distribution points for different cargo types, each sub-divided by the region covered (as different tax structures are applicable for inter-state transportation). Different rate structures also exist for loading and unloading. Hired vehicles have independent commission rates. Shortage rates of various cargo types for different conditions are also applicable
2. All the rates are subject to retrospective changes and require supplementary invoices to be generated
3. The vehicle maintenance is also part of the software. Consumption on various accounts such as tyre, engine repair, sundry repairs, lubricants, etc. are also accounted. Renewals of tax, insurance, pollution certificate, explosive certificate, etc. are tracked
4. Driver roster and advances paid/adjusted are also tracked
5. Daily status of vehicle – loading, unloading, breakdown, on-the-way, etc.

BASE MODULES

- ◆ Vehicle details
- ◆ Owned / Hired Vehicles
- ◆ Billing
- ◆ Vehicle Tracking
- ◆ Loading/Unloading
- ◆ Vehicle Repair Log
- ◆ Company Accounts
- ◆ Plant Accounts
- ◆ Vehicle Profitability
- ◆ Query & Reports

COVERAGE

Vehicle Details

Details such as vehicle No, Engine No, Chassis No, Registration date, CF validity, Explosive validity, Permit details, Insurance, Financier details, whether hired or owned, etc.

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Loading Points

Name and locations of Refineries

Bottling Plants

Name and locations of plants

Distributors

There are multiple distributors for each bottling plant. Rates for transporting from the B/P to each for different cargo types are maintained for different vehicle types (belonging to same state, other states, etc.)

Rates Per Km

Tariff chart for transporting bulk from one refinery to different bottling plants is maintained. For Packed items, rates are in cylinders and for bulk rates are in MetricTons. These rates are different for different regions and for different category of items (both bulk and packed)

Shortage Rate

For each plant, there are different rates for each cylinder type. Shortage rates are for different shortage types (such as Cap, filled cylinder, empty cylinder, etc.)

Bulk / Packed Loading/unloading

Loading and unloading details are maintained through this interface. Also includes advances paid to drivers. Documents such as challans, gate pass, etc. are generated. At the unloading point shortages (type and quantity) are also logged

Other interfaces

- ◆ Details of Hired vehicles
- ◆ Driver roster
- ◆ Tyre purchase
- ◆ Tyre replacements
- ◆ Vehicle repairs
- ◆ Accounts Vouchers – Receipt, Payment, JV, Contra, etc.

Query/Reports

- ◆ Challans, Bills, Supplementary Bills
- ◆ Vehicle Ledger – both hired and owned
- ◆ Ledger & Trial of both owned & hired vehicles
- ◆ Bottling Plant wise Income/Expenditure accounts
- ◆ Refinery wise Income/Expenditure accounts
- ◆ Own Income/Expenditure accounts

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- ◆ Daily vehicle status
- ◆ Monthly & Annual RateKm report for each plant and vehicle
- ◆ Alerts on pending tax, insurance, renewals, permits, etc.
- ◆ Repairs & average Consumption expenditure on each vehicle
- ◆ TDS statement, Outstandings Statement, etc.

SNAPSHOTS OF #FMS FOR LIQUID CARGO CARRIER

The 'Vehicle Master' window contains the following fields and sections:

- Vehicle No.:** Text input field.
- Registration Date:** Date input (//).
- Owner Change Date:** Date input (//).
- CF Valid Date:** Date input (//).
- Special Tax upto:** Date input (//).
- Engine No.:** Text input field.
- Explosive Licence upto:** Date input (//).
- U/S - 18 upto:** Date input (//).
- U/S - 19 upto:** Date input (//).
- U/S - 44 upto:** Date input (//).
- Chassis No.:** Text input field.
- F. Form upto:** Date input (//).
- Tax Period:** From (//) To (//).
- Insurance Period:** From (//) To (//).
- Amount:** Text input field.
- Vehicle Type:** Dropdown menu.
- Permit:** Dropdown menu with options: Andhra Pradesh, Assam, Bihar, Chhatis Garh, Delhi.
- Cylinder Capacity:** Text input field.
- Vehicle Status:** Dropdown menu.
- Permit upto:** Date input (//).
- Financer:** Text input field.
- Buttons:** New, Save, Delete, Print, Exit.

Interface for Vehicle Master

The 'RTKM of LoadingPoint (for Bulk)' window contains the following fields and sections:

- Source Code:** Dropdown menu.
- Destination Code:** Dropdown menu.
- Date:** Date input (//).
- RTKM:** Text input field.
- Region:** Radio button options:
 - Within State
 - Other State
 - FDZ -1(0-300)
 - FDZ-2(0-300) HLD,KLY
 - FDZ-3 (301-450)
- Buttons:** New, Save, Delete, Print, Exit.

Distance Chart

The 'Packed Loading/Unloading' window contains the following fields and sections:

- Vehicle No.:** Dropdown menu.
- Commission (%):** Text input field.
- Loading Section:**
 - Document No.:** Text input field.
 - Loading Date:** Date input (//).
 - Billing Cyls:** 14.2 Kg. (//) 19 Kg. (//)
 - Plant:** Dropdown menu.
 - Distributor:** Dropdown menu.
 - RTKM:** Text input field.
 - Advance Amount:** Text input field.
 - Extra Adv.:** Text input field.
 - Authorised Diversion Case
- Unloading Section:**
 - ERV No.:** Text input field.
 - ERV Date:** Date input (//).
 - Unloading Date:** Date input (//).
 - Plant:** Dropdown menu.
 - Distributor:** Dropdown menu.
 - RTKM:** Text input field.
- Shortage Section:**
 - Cap:** Text input field.
 - Empty Cyls.:** Text input field.
 - Filed Cyls.:** Text input field.
 - Under Weight Cyls.:** Text input field.
 - OMC:** Text input field.
 - Spurious Cyls.:** Text input field.
 - Defective Cyls.:** Text input field.
 - Shortage Amount:** Text input field.
- Cylinder Section:**
 - 14.2 Kg.:** Actual Cyls (//) Billing Cyls (//)
 - 19 Kg.:** Actual Cyls (//) Billing Cyls (//)
- Buttons:** New, Save & Pay, Print, Delete, Exit.

Interface for Loading / Unloading of Packed Cargo

The 'Vehicle Repairing' window contains the following fields and sections:

- Repair Bill No.:** Text input field.
- Repairing Date:** Date input (//).
- Vehicle No.:** Dropdown menu.
- Repairing Type:** Dropdown menu.
- Engine No.:** Text input field.
- Garage Name:** Text input field.
- Repairing Cost:** Text input field.
- Place:** Text input field.
- A/c. Head:** Dropdown menu.
- Sub A/c. Head:** Dropdown menu (Garage Name).
- Remarks:** Text input field.
- Buttons:** New, Save, Delete, Print, Exit.

Vehicle Repair

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Fuel Bill

Vehicle movement tracker

Interface for Fortnightly bill preparation

Invoice generation for Hired vehicles

Income-Expenditure Status [Vehicle-wise] (Summary)

Plant : IBP , BALASORE

Period : From 01/04/2002 To 30/04/2002

Vehicle No.	Total RTKM	Income	Advance	Repair	Tyre Expense	Expenditure	Profit / Loss
WB25-4025	386	4,662.80	11,870.00	0.00	0.00	11,870.00	-7,207.20
AS01J-2983	508	5,984.14	11,956.00	0.00	0.00	11,956.00	-5,971.86
AS01J-3658	193	2,797.68	4,750.00	0.00	0.00	4,750.00	-1,952.32
WB25-4028	346	4,179.61	5,980.00	0.00	0.00	5,980.00	-1,800.39
AS01J-2987	0	1,418.88	3,180.00	0.00	0.00	3,180.00	-1,761.12
AS01J-2995	0	1,418.88	2,430.00	0.00	0.00	2,430.00	-1,011.12
AS01J-3651	0	1,773.60	2,360.00	0.00	0.00	2,360.00	-586.40
WB25-2936	346	4,179.61	4,607.00	0.00	0.00	4,607.00	-427.39
AS01J-3659	728	8,794.09	6,050.00	0.00	0.00	6,050.00	2,744.09
AS01J-2976	1,297	15,278.40	9,955.00	0.00	0.00	9,955.00	5,323.40
AS01J-3660	1,809	21,309.66	5,460.00	0.00	0.00	5,460.00	15,849.66
TOTAL :		71,797.36	68,598.00	0.00	0.00	68,598.00	3,199.36

Vehicle-wise Income Expenditure Statement