HEPL
Helping Enterprises Level Up

FREIGHT COST MANAGEMENT TOOL

27th April 2023

PREPARED BY

HEMA'S ENTERPRISES PVT LTD

PROJECT OBJECTIVE:

To develop a portal for the Cold chain department for capturing the freight details, in order to attain the per litre value for each route as per volume consumed within the vehicle.
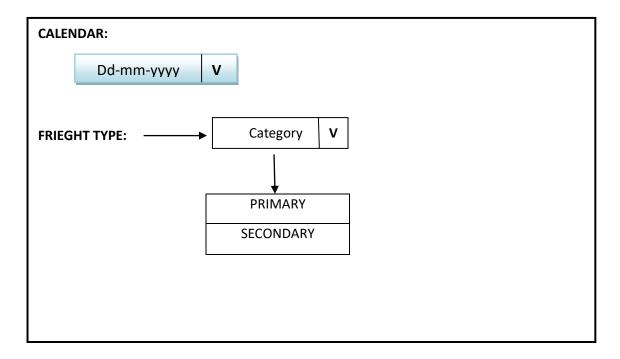
Project scope:

This project is to capturing the cold chain process from plant to the distributor through the vehicle and it will be considered as a primary freight and it move on to the secondary freight for the different route allocation and vehicle type, capacity should be captured and the price also should fix for the route of vehicle traveled based on distance. To attain the CPL value, the following procedures need to be captured.

Initially the Master details will be captured as Plant, Primary and secondary route Master, Region, Vehicle type within it vehicle capacity need to be captured. In which **Primary and secondary route need to be mapped with plant, Region, Rate per KM, Approval KM for the route**. For some routes the freight charges is fixed.

Same like for the secondary freight also, need to map Primary route with secondary route, agency name, region for secondary freight, and per day freight. Then, per day running km and SM amount per day need to be manually filled.

The date of the distribution should be captured manually in calendar tab.

✓ It should contain freight type in dropdown, are primary and secondary.

CALENDAR:

Dd-mm-yyyy	V

FRIEGHT TYPE: ───────▶ | Category | V |

PRIMARY
SECONDARY

April 27, 2023

PRIMARY FRIEGHT:

Process 1**:** Plant (pollachi/kanchipuram/dindigul), primary route name, region and vehicle type should be selected in drop down option.

Process 2: Based on the vehicle type the capacity should be mapped automatically.

Process 3: The actual volume should be in manual input field.

Process 4: vehicle utilization should auto mapped in text box based on the formula,

Vehicle utilization = Volume/Vehicle capacity.

Process 5: User should able to select the rate based on their own suggestion value like fixed or rate per km through radio button. It should be predefined in master. If user selects fixed type as per the fixed value, the cost for that day will be automated or else per day cost will be considered as mentioned below.

Process 6: Rate for per KM will auto mapped based on primary route name.

Process 7: Per day running KM should be entered in manual input field.

Process 8 : Approval KM must auto mapped based on primary route name.

Process 9: Per day transport cost should auto mapped based on formula,

Per day transport = Rate per KM * per day running KM.

Process 10: SM amount per day will be entered in manual input field.

Process 11: CPL value should auto mapped based on the formula,

CPL = (Per day transport cost + SM amount per day) / volume.

PRIMATY FRIEGHT:

PRIMARY FRIEGHT:

PLANT	Drop down
PRIMARY ROUTE NAME	Drop down
REGION	Drop down
VEHICLE TYPE	Drop down
VOLUME	Manual input
VEHICLE CAPACITY	Auto map based on vehicle type
V. UTILIZATION	Volume /vehicle capacity
FIXED OR RATE PER KM	(radio button for choosing fixed price or Rate per km)
RATE PER KM	Based on primary route name will auto mapped
PER DAY RUNNING KM	Manual input
APPROVAL KM	Based on primary route name will auto mapped
PER DAY TRANSPORT COST	Rate per KM * per day running KM
SM AMOUNT	Manual input
CPL VALUE	(Per day transport cost + SM amount per day)/volume

submit

SECONDARY FREIGHT:

Process 1: Plant (pollachi/kanchipuram/dindigul), primary route name, secondary route name, region and vehicle type should be selected in drop down option.

Process 2: Based on the vehicle type vehicle capacity should be mapped automatically.

Process 3: The actual volume should be in manual input field.

Process 4: vehicle utilization should be auto mapped in text box based on the formula,

Vehicle utilization = Volume/Vehicle capacity.

Process 5: Per day freight should auto mapped based on secondary route name.

Process 6: Per day running KM should be entered in manual input field.

Process 7: SM amount per day will be entered in manual input field.

Process 8: CPL value should auto mapped based on the formula,

CPL = (Per day transport cost + SM amount per day) / volume.

SECONDARY FREIGHT:

SECONDARY FREIGHT:

PLANT	Drop down
PRIMARY ROUTE NAME	Drop down
SECONDARY ROUTE NAME	Drop down
REGION	Drop down
VEHICLE TYPE	Drop down
VEHICLE CAPACITY	Based on v.type v.capacity will auto mapped
VOLUME	Manual input
VEHICLE UTILIZATION	Volume/volume capacity
PER DAY FRIEGHT	As per master value
PER DAY RUNNING KM	Manual input
SM AMOUNT	Manual Input
CPL VALUE	= (Per day freight + sm amount)/volume

submit

HOME PAGE

The home page should show the detailed list of added freight details. As per date filtration and freight filtration the list freight line items will be displayed.

DATE | CALENDAR   FREIGHT | PRIMARY/ SECONDARY

SNO	PLANT	ROUTE NAME	REGION	VEHICLE TYPE	VEHICLE CAPACITY
VOLUME	VEHICLE UTILIZATION	RATE PER KM	PER DAY RUNNING KM		
APPROVAL KM	PER DAY TRANSPORT	SM AMOUNT PER DAY	CPL		

1	POLLACHI	COVAI	COIMBATORE	ACE	1500
1521	101%	11.21	224		
282	2511	500	1.98		

Total for each plant

Total of overall value