



**VnVCS**  
V&V Comptech Systems

# WMSMag 1.0

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One stop solution for Complete Warehouse Management

## Introduction

A warehouse management system is a key part of the supply chain and primarily aims to control the movement and storage of materials within a warehouse and process the associated transactions, including shipping, receiving, put-away and picking. The systems also direct and optimize stock put-away based on real-time information about the status of bin utilization. A WMS monitors the progress of products through the warehouse. It involves the physical warehouse infrastructure, tracking systems, and communication between product stations



WMSMag is a versatile, real-time, RF and Barcode based WMS system that streamlines your fulfilment operation, making it more flexible, more productive and more profitable to operate. WMSMag transforms warehouse operations into a fully integrated logistics and fulfilment business. By enabling a company to take orders from multiple sources, process them in real time with mobile, and automating the shipping and billing processes, organizational efficiency will improve, with positive effect on the bottom line. WMSMag is built for 3PL, fulfilment, and distribution operations. It's ideal for operations where multiple owners of inventory, multiple clients, multiple locations and variable business models are required.



## Modular Architecture

### WMSMag 1.0 provides solution for

- Private Warehousing for operated by the firm owning the product
- Public Warehousing for hires out space and services
- 3PL Logistics provides solution to maintain all the customer services
- Agro Warehouse module cover all the Agro operations like testing, fumigation process, Pest Management etc
- Collateral / Bonded warehouse module cover cargo hypothecation process with banks
- Distribution Center Warehousing module covers - inventory management behalf of customer, consolidation, packing, break bulk process
- Cold Storage Warehousing module covers cold storage operations, temperature measurement process, quality testing etc
- .....



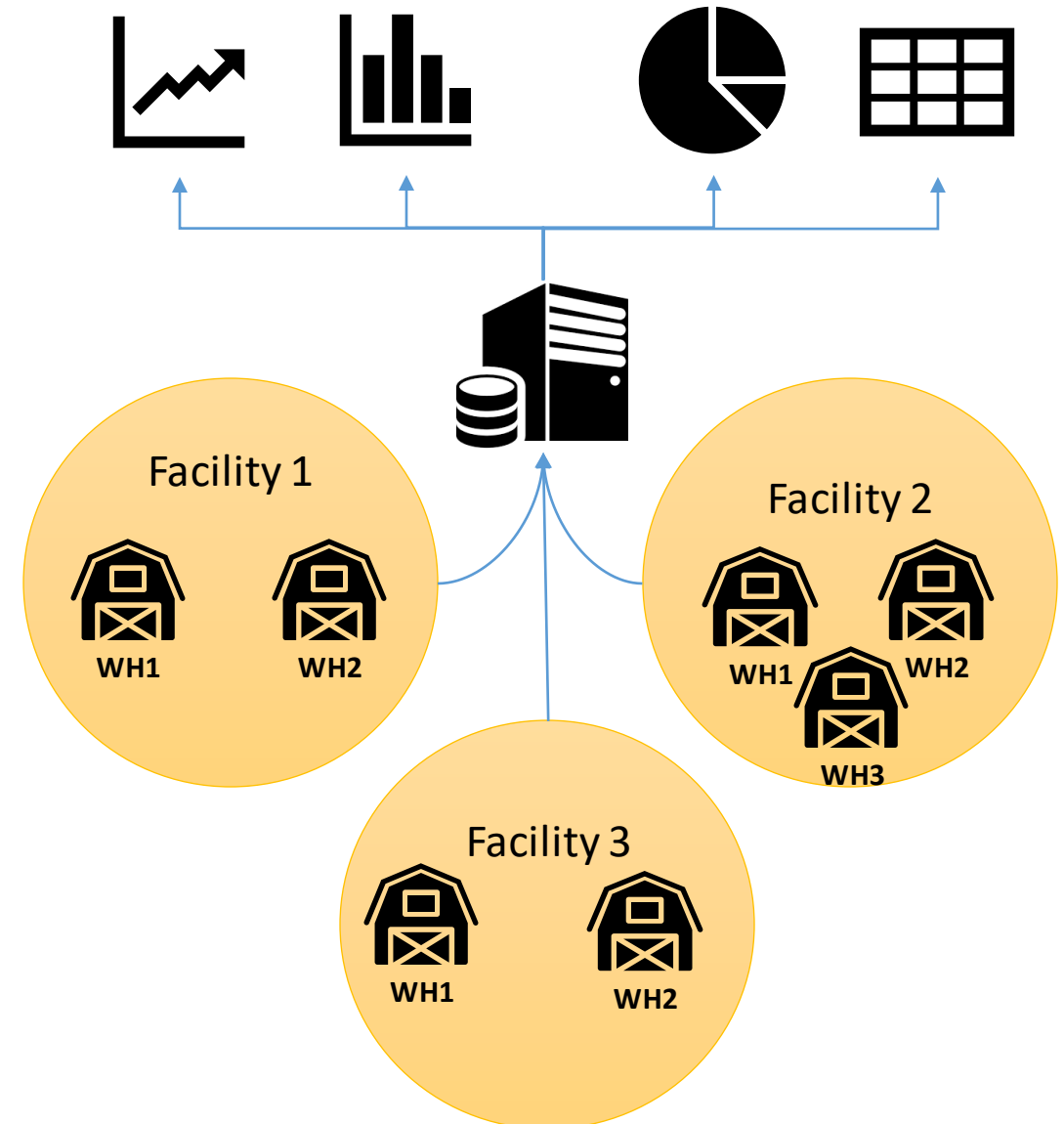
## General Features

Centralized system with Zone, Cluster and Area Segregation	Cargo Control and Cargo Life cycle maintenance
Warehouse Lease Agreement Management for 3rd party Warehouses	Put away, Picking and Packing
Warehouse Insurance Management	Replenishment
Warehouse Security Management	Assembly
Commodity based Warehouse Management	Cross Docking
3PL Activity	Proximity determination
Multi Model Services	Stacking limits
Review warehouse contents up to n - levels of detail	Integrate with RFID / Bar Code
Manage Inventory based on SKU (Stock Keeping Unit) and Multiple units of measure per item	Warehouse Availability Inquiry (mobile and web application)
Distribution Management	3D view of Warehouse
3rd Party Inventory Management	Alerts and Notifications
Warehouse planning and scheduling, Location Reservation	Realtime Integration for Job Orders with Other Modules
Value Added Services like Sampling / Re-packing / clearing / testing / fumigation	Web Services for 3rd party tool integrations
Billing based on Peak Stock, Average Stock, daywise stock etc	

## System Architecture

**WMSMag 1.0 designed for multi location and multi warehousing from centralized system.**

- Web based software, provides facility any where any time
- Provides centralized solution
- Facilitate to define multiple facilities/locations
- Under each location, facilitates to define different type of warehouses
- All location/facility connects to central server, which maintain all the data
- Creating new Facility and Warehouse is user friendly, user can add any facility and warehouse
- MIS, Management Reports, Contract Management, Finance Control, Billing can be handle from centralize system
- .....



## Modular Architecture

WMSMag 1.0 designed with tight interface APIs which used for online interface with RFID and Bar code devices, Mobile Devices like RDT and Android / IOS IPODs

### WMSMag 1.0 provides solution for

- Solution for different type of Warehouse such as General WH, Project Cargo, Cold Storage, Agro and Collateral / Bonded Warehouse
- Online Documentation for Import, Export, ICD, DPD, TP, Break Bulk and General Cargo
- Interface with CFSs, ICDs online using Web Service APIs
- Interface with Port Community System
- Interface with Customs ICEGATE and Railways
- Easy process for Shipping Line, CHA, Forwarders and Agents
- Mobile App for Operators which provides allocation of trucks, clearances approval etc.,
- Interface with Gate Automation by allocation of RFID at Origin
- Interface with Barcode for documentation process easiness
- Interface with Truck Operators and Trucks
- Gate Automation for Container and Cargo
- Rail Siding Operation for 3<sup>rd</sup> Party ICDs and 3<sup>rd</sup> Party Rakes
- Way Bridge Integration
- User Configurable EDI Engine - Covers ICEGATE, FOIS, UN-EDIFACT, PCS, CUSTOMS, VGM and line



## User Network

### WMSMag 1.0 Connects to

- Factories
- Shipper
- Customer
- Consolidator
- Transporter
- Service Provider
- Distributor
- Vendor

## Benefits

- DMS provides easy way for Documentation Management covers recording scanned documents at all stages
- User Define EDI Engine – Provides rich facility for EDI generation which can be configurable for any EDIs
- Shipping Line allocation, Agent allocation and monitoring process
- Online data entry from line, CHA, agent and CFS from portal which online interface with TOS
- Online Data Capturing for Gate Operation, Ware House Operation and Truck Plaza / Parking
- Online Survey through mobile device covers seal capturing, damage capturing
- API for Interface with 3<sup>rd</sup> Party tools like Mobile Apps, SMS, Portals
- Interface with Boom Barriers, CISF control rooms
- Facility availed for driver registration with finger print recording and driving license recording
- Dash Boards and Reports provides online analysis to the management
- Online slot Booking facility for gate with time slot allocation
- ....



## Securities

### Technology

- Portable for any Browser
- Dynamic portable to any resolution

### Frame Work

- IIS Platform
- ASP.Net
- Angular JS (fast process approach)
- HTML 5, JQuery
- Node JS for Equipment Interface
- Google Map Interface / Google API interface
- Web Service Interface with plugins to internal and external

### interfaces

- GPS / GPRS Interface
- Realtime Entry by HHT / VMT

### Mobile App

- Android
- IOS
- Windows

### Database

- Support SQL Server
- Support Oracle
- Encrypted and pre-compiled controls for fast process

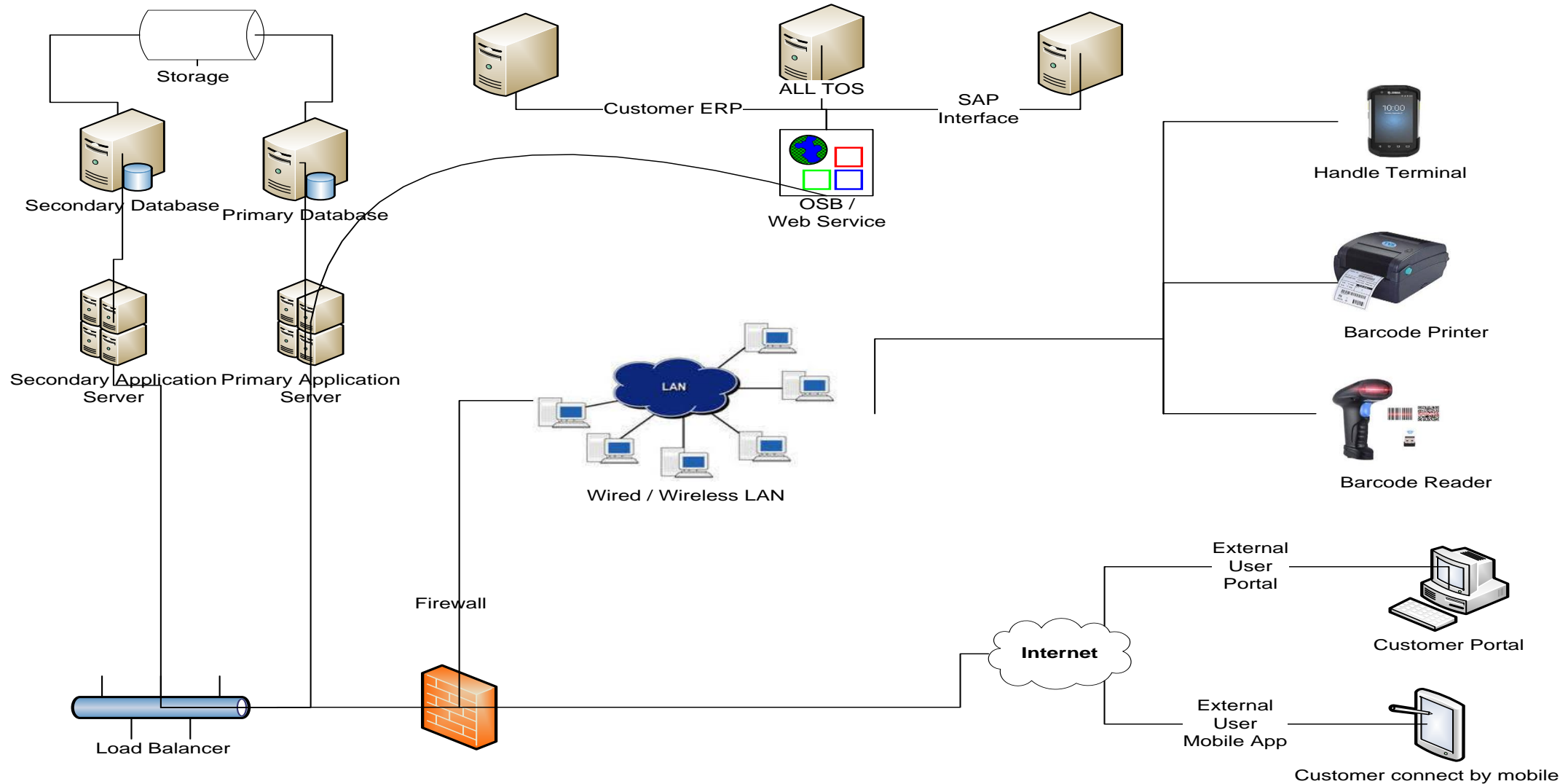
### Service

- 24 X 7 Support
- SLA based Support Contracts
- Pre-defined Training Calendar
- Online Access for Help desk
- Escalation Matrix for Service Support
- Online Ticketing support system

### Security

- HTTPS protocol secure the system from hacking and other interference
- User control and access control availed in the system to provide limited usage to the user
- Internal audit process maintains each and every activity recorded with time and user
- Internal algorithm facility availed to avoid data level security

## Architecture





Warehouse Definition			ADD	EDIT	E
<input type="text" value="Search Warehouse"/>					
W1 W2 w3 W3 W4 W5 W7 WA O1 w1 q s f GD	Depot: NERUL	WH Code: W2	WH Type: Cold Storage		
	WH Name: W1	WH Address: NERUL SEC 18JHGGHGHHGHGHI HHHHHHHHHHHHHHI	State Code:	Contact No: AAS	
	Contact Person:				
	WH Length: 50006 Mtrs	WH Width: 60000 Mtrs	No. of Racks: 8		
	Permissible Capacity: 500 in MT	Maximum Capacity: 900 in MT	No. Of Rows: 8		
	Rack/Bin Type?: <input checked="" type="checkbox"/>	Vertical: Cold Storage	No. Of Columns: 9		
	Remarks:				
<b>Lease / Own</b>					
	Own/Lease: Lease				
	Lease From:	Lease Agreement Ref No: ref01	Lease Period: 10		
<b>Insurance</b>					
	Policy Type: Third Party	Insurer: test	Policy Number: pc01		
	Effect From: 09/04/2019	Effect To: 17/04/2019	Sum Insured In Rs: 9000		

## Configuration

### Warehouse Rack / Bin Configuration

System facilitates to configure Rack and Bins definition

User able to configure different bin dimensions along with Grade Configurations

Rack/Bin Configuration

Add
Edit
Exit
Print

- W7
- W3
- W3
- O1
- S
- F
- W2

**Warehouse Details**

Depot : 
Warehouse Type : 
Warehouse Length :

Warehouse Code : 
Vertical : 
Warehouse Width :

**Rack Details**

Rack Code : 
Rack Length :  Mtrs
Permissible Capacity :  in M.T.
Commodity :

Grade : 
Rack Width :  Mtrs
Maximum Capacity :  in M.T.
Remarks :

**Insurance**

Policy Type : 
Policy Number : 
Effect From :

Insurer : 
Sum Insured In Rs : 
Effect To :

No. Of Levels:

No. Of Bay:

UOM:

Level Ref	Height
A	3
1	3
D	2
E	2

Bay Ref	Width
01	1
02	1
03	1
04	1
A	1

A					
1					
D					
E					
	01	02	03	04	A

## Online Warehouse Monitoring

System facilitates to view Warehouse on real time mode along with inventory details. System will show the inventory based on different parameters like; near expiry cargo, aging of cargo, part number basis, SKU basis and so on ..

Warehouse View

WareHouse Id: EXPORT Exit

	10	9	8	7	6	5	4	3	2	1
A										
B										
C										
D										
E										
F										
G										
H										

Warehouse ▼

View: Stack wise Block Id: W2 Search

Warehouse View

Stack 1

01 02 03 04 05 06 07 08 09

A B C D E F G H

Stack 2

01 02 03 04 05 06 07 08 09

A B C D E F G H

Stack 3

01 02 03 04 05 06 07 08 09

A B C D E F G H

Stack 4

01 02 03 04 05 06 07 08 09

A B C D E F G H

Stack 6

01 02 03 04 05 06 07 08 09

A B C D E

Stack 7

01 02 03 04 05 06 07 08 09

A B C D E

Stack 8

01 02 03 04 05 06 07 08 09

A B C D E

Selected Location : A-8

Cargo Details:

SHIPPING BILL NO	SHIPPING BILL DATE	WEIGHT	PACKAGES	FROM DATE	EXPORTER DETAILS	CARGO DETAILS
4036697	14/01/2011 00:00	130594.320	249.000	20/04/2011 23:36	CHANDRASHEKHAR EXPORTS PVT LTD	MAIZE

[illegible]

## Inward Process

### Customer Creation and Contract Definition

Based on commercial finalize the customer application, system provides to define the customer master respect to the deposit customer.

System facilitate to define the contracts for the customer with respect to Handling, Storage and Services. System facilitate to define the Storage Methods like weekly / monthly billing etc.

System send mail to Warehouse in-charge to confirm the area availability based on pre-requisites given by customer along with Warehouse place information

24x7 LOGISTICS PVT.LTD.

A V GLOBAL CORPORATION

A.ABBA & SONS

A.B. CONSULTANTS

A.B. PAUL & CO.

A.G. UMRIGAR

A.K. CLEARING AGENCY

A.K.BISWAS

A.M. SODDER & CO

A.P. CARGO MOVERS

A.P.CARGO CLEARSHIP PVT.LTD.

A.R. SHIPPING AGENCY

A.S. VASAN & SONS

A.S.A.ENTERPRISES

A.T.C.(CLG.& SHIPPING) PVT.LTD.

AARAS SHIPPING & LOGISTICS

ABC INDIA LTD.

ABHISHEK CLG & FORWD.AGENCY

ACCORD FREIGHT LINES PVT. LTD

ACE CLEARING & FORWARDING

ACQUA TRANSPORTING AGENCY

ACT SHIPPING LTD.

ACTIVE FREIGHT (I) P.LTD

ADARSH CLEARING AGENCY

ADEPT AGENCY

ADINATH ENTERPRISES

ADITYA ENTERPRISES

ADARSH ENTERPRISES

Customer Master

Customer Code: 535

Customer: 24x7 LOGISTICS PVT.LTD.

Address: 26 KUMTHA STREET,1ST FLOOR,

Account Type: General

Operations Mail Id:

Finance Mail Id:

Contact Person : MR.C.J.THAKKAR

Contact Number : 4168661

Fax Number :

PAN No:

Service Tax No:

Import Loaded Ground Rent From: CFS Gate In Date

Finance Ledger Code:

Opening Balance: 0 Cr.

Current Balance : 0 Dr.

Status: ☒

Credit Details

Credit Limit: 0

Credit Period: 0



## Inward Process

### Application for Deposit Commodities

Order Booking provides user to define Deposit Customer Details, Commodity and cargo details, storage start time and end time etc.,

System provides to update these information directly from portal online by customer. Which sends mail to customer as an acknowledgement and Commercial Team to review for further operation

Application for Deposit Commodities

Customer Code:

Customer Name:

Customer Address:

Commodity:

Total Number of Bags:

Total Weight of Commodity:

From Date and Time:

To date and time:

Number of Storage Receipt Required:

Previous Storage History if any:

Special Instructions:

Save

Exit

### Warehouse Contract Definition

System facilitates to define Contracts for Warehouse based on different parameters such as Storage, Inward Handling, Lease duration, Billing Party

WH Booking

AddSearchExit

Depot: Select

Contract Ref No:

Contract Date:

Shipment Party

Supplier Name:

Customer Name:

Forwarding Agent:

Address:

Address:

Address:

Phone No:

Phone No:

Phone No:

Email:

Email:

Email:

Contact Person:

Contact Person:

Contact Person:

Billing Party:

Booked By:

Account Manager:

Vertical:

Contract Period

From:

To:

Storage Applicable?:

Handling Applicable?:

Storage Contract Configuration

Invoice Cycle:

Storage Billing Method:

Mode Of Billing

Volume Base

SKU Base

Weight Base

Area Base

Rack Based Contract

Bin Based Contract

Base Charge Configuration

Default:

Default Rate:

Base Charge For:

Currency:

Additional Storage Configuration

Rate ():

Currency:

Handling Contract Configuration

Invoice Cycle:

Inward Handling Charges Applicable?:

Mode Of Billing:

UOM:

Rate Per Uom:

Outward Handling Charges Applicable?:

Mode Of Billing:

UOM:

Rate Per Uom:

Document

**Inward Process**



Inward PO Updation

System facilitates to update Inward PO details from Customer. EDI exchange facility availed to upload the PO from system like SAP , Oracle Finance

Purchase Order Entry

Add

Search

Exit

Document Type

Purchase Order : ☒

Transfer Order : ☐

Storage Order : ☐

Purchase Order No :

Purchase Order Date :

Supplier :

Address :

Contract Ref No :

Purchase Order Date :

Consignee :

Address :

Vertical :

Plant :

Depot :

Group	Item Code	Part Number	Item Description	Quantity	UOM	Value of Goods	Remark
				0	Select	0	
				0	Select	0	
				0	Select	0	
				0	Select	0	
				0	Select	0	

[illegible]

## Inward Process

### Warehouse Planning and Readiness Updation

System facilitates to plan warehouse location based on cargo type, duration and other special instructions.

System facilitates to confirm warehouse space availability, system sends confirmation message to customer for cargo movement

WareHouse Information

Block Id

WH1

Agent name

MERIDIAN SHL...

☒ Grid Cancel

Display

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
A																														
B	MSA	MSA		MSC	MSC	MSC	MSC	MSC		MSC	MSC	MSC	MSC	MSC		JMC	JMC	JMC	JMC		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
C	MSA	MSA		MSC	MSC	MSC	MSC	MSC		MSC	MSC	MSC	MSC	MSC		JMC	JMC	JMC	JMC		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
D	MSA	MSA		MSC	MSC	MSC	MSC	MSC		MSC	MSC	MSC	MSC	MSC		JMC	JMC	JMC	JMC		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
E	MSA	MSA		MSC	MSC	MSC	MSC	MSC		MSC	MSC	MSC	MSC	MSC		JMC	JMC	MSA	JMC		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
F	MSA	MSA		MSC	MSC	MSC	MSC	MSC		MSC	MSC	MSC	MSC	MSC		MSA	MSA	JMC	MSA		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
G	MSA	MSA		MSC	MSC	MSC	MSC	MSC		MSC	MSC	MSC	MSC	MSC		MSA	MSA	MSA	MSA		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
H	MSA	MSA		MSC	MSC	MSC	MSC	MSC		MSC	MSC	MSC	MSC	MSC		MSA	MSA	MSA	MSA		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
I																														
J	MSA	MSA		JMC	JMC	JMC	JMC	JMC		JMC	JMC	JMC	MSA	MSA		MSA	MSA	MSA	MSA		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
K	MSA	MSA		JMC	JMC	JMC	JMC	JMC		JMC	JMC	JMC	MSA	MSA		MSA	MSA	MSA	MSA		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
L	MSA	MSA		JMC	JMC	JMC	JMC	JMC		JMC	JMC	JMC	MSA	MSA		MSA	MSA	MSA	MSA		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
M	MSA	MSA		JMC	JMC	JMC	JMC	JMC		JMC	JMC	JMC	MSA	MSA		MSA	MSA	MSA	MSA		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
N	MSA	MSA		JMC	JMC	JMC	JMC	JMC		JMC	JMC	JMC	MSA	MSA		MSA	MSA	MSA	MSA		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
O	MSA	MSA		JMC	JMC	JMC	JMC	JMC		JMC	JMC	JMC	MSA	MSA		MSA	MSA	MSA	MSA		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M
P	MSA	MSA		JMC	JMC	JMC	JMC	JMC		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	MSA		MSA	MSA	MSA	MSA	MSA		MSA	MSA	MSA	M



Inward Process

Cargo Gate In

System facilitates to cargo gate in at gate. System facilitates to upload documents attach to Booking number and gate pass, which can be retrieve any time for the reference through Document Management System

System facilitate to verify the cargo with sampling. Weight of the cargo will be measured using weighbridge integration.

System generate Lot Number Slip (Gate In Pass) for trucks. System prints warehouse location, where need to unload, which chassis allocated for unload

Gate In Operation

AddExit

Supplier: \*Plant: \*Depot: Select \*

ASN Details

ASN No: \*ASN Date:LR No:Vehicle No:Driver Name:DL No:Vehicle Type:Expected Time Of Arrival

Gate In Details

Warehouse: Select \*Propose Parking Location:Remarks:Gate Pass No:Gate In Date:

Cargo Details

PO No	Part No	Part Desc	Type Of Unit	No Of Unit	Qty/Unit	Total Qty
-------	---------	-----------	--------------	------------	----------	-----------

## Inward Process

### Quality Check

System facilitates to update Quality Check inputs respect to cargo quality

Quality Check

Add
Search
Exit
Print

Supplier :
Plant :
Depot :

ASN Details

ASN No :
ASN Date :
LR No :
Vehicle No :
Driver Name :
DL No :
Vehicle Type :
Expected Time Of Arrival

Gate In Details

Warehouse : Select
Propose Parking Location :
Gate Pass No :
Gate In Date :
Remarks :

QC Details

Quality Check ? :
Deck Position :
QC Ref No :
QC Ref Date :
Remarks :

Cargo Details

PO No	Part No	Part Desc	Type Of Unit	No Of Unit	Qty/Unit	Total Qty	Batch No	Mfg. Date	Exp. Date	<input type="checkbox"/> QC
-------	---------	-----------	--------------	------------	----------	-----------	----------	-----------	-----------	-----------------------------





Inward Process

Put away Process

When User select the warehouse location, system popup to enter Unloaded quantity. User able to take the Bar Code label print to paste on goods. System identify each Pallets as Pallet ID, inventory will be maintain microlevel for each Pallet / Bag wise. System maintain SKU base inventory and create the bar code based on that.

For Damage, system provides facility to take the snap of the cargo. System records Sampling taken information for verification purpose

System facilitates to update carting tally online using IPODs. User can open Warehouse in graphical representation, system shows current inventory and planned location for the cargo.

Put Away Process

Add

Exit

Supplier :

Plant :

Depot : Select

ASN Details

ASN No :

ASN Date :

LR No :

Vehicle No :

Driver Name :

DL No :

Vehicle Type :

Expected Time Of Arrival :

Gate In Details

Warehouse :

Propose Parking Location :

Remarks :

Gate Pass No :

Gate In Date :

QC Details

Quality Check ? :

Deck Position :

Remarks :

QC Ref No :

QC Ref Date :

Put Away Details

Vehicle placement date and time :

Unload start time :

Unload completion time :

Cargo Details

PO No	Part No	Part Desc	Type Of Unit	No Of Unit	Qty/Unit	Total Qty	Recv No Of Unit	Recv Qty/Unit	Excess Qty	Short Qty	Remark	Batch No	Mfg. Date	Exp. Date
-------	---------	-----------	--------------	------------	----------	-----------	-----------------	---------------	------------	-----------	--------	----------	-----------	-----------

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CARGO DETAILS

PORTS PVT LTD MAIZE

## Inward Process



On dock printer prints the barcode label with all the information related to booking, customer, warehouse location, cargo in date information. Printer connected with KIOSK system and server by Wired / Wireless network

Inventory reconciliation to be done by manually verification v/s system inventory by different methods like Handle terminal, online tracking etc.



## Inward Process

### Storage Receipt / Truck Out

System facilitates to update carting tally online using IPODs. User can open Warehouse in graphical representation, system shows current inventory and planned location for the cargo.

When User select the warehouse location, system popup to enter Unloaded quantity.

User able to take the Bar Code label print to paste on goods.

For Damage, system provides facility to take the snap of the cargo

System records Sampling taken information for verification purpose

#### Gate-In Pass

Gate Pass Number:

Date:

Arrival Time:

Departure Time:

Warehouse Name and Code	
Truck/Vehicle Number	
Commodity	
Gross weight	
Weighment Slip No.	
Tare Weight	
Weighment Slip No.	
Tare Weight (including Rejected bags)	
Weighment Slip	
Number of Bags	
Stack Number	
SR/Warehouse Receipt Number	
Delivery Order Number and Date	
Name of Depositor	
Name of Trader	
Remarks	

Signature of Warehouse In-charge/Supervisor:

Signature of Agent/Depositor/Driver:

For Office Use only:

Entered in Gate-in-out Register Sr.No..... on .....

## Outward Process

## Outward Process

### Delivery Order Request

Customer can upload the Delivery Request from Portal

Release Order / Delivery Order	
Delivery Order Number:	<input type="text"/>
Delivery Order Date:	<input type="text"/>
Order Booking / SB Number:	<input type="text"/>
Customer Name:	<input type="text"/>
Release Reference No:	<input type="text"/>
Date of Receipt:	<input type="text"/>
Name of Funding Agency/Bank:	<input type="text"/>
Delivery given from warehouse:	<input type="text"/>
Client Name:	<input type="text"/>
Client Address:	<input type="text"/>
Weight to be Released:	<input type="text"/>
Quantity to be Released:	<input type="text"/>
<input type="button" value="Save"/> <input type="button" value="Exit"/>	

[illegible]

Outward Process

Pickup Planning

System facilitates to prepare Pickup Planning based on Delivery Order Request, System facilitates to view the stock based on FIFO, FEFO methods. Cargo will be moved to Loading Area for vehicle loading, Dispatch Note will be generate based on Vehicle loading

Warehouse

Pick List Planning

DO No

Customer

Sales Invoice No

DO Date

Destination

Sales Invoice Date

Supplier

Warehouse

Loading Area

Mode Of Delivery

Alt PO No	Part No	Part Desc	Type Of Unit	No Of Units	Qty/Unit	Total Unit
-----------	---------	-----------	--------------	-------------	----------	------------

Sku ID	Bin No	Type Of Box	No Of Box	Gate In Date	Expiry Date	Batch No	Select
--------	--------	-------------	-----------	--------------	-------------	----------	--------

Save

Cancel

Shifting to LA

Do No

Supplier

Do Date

Customer

Do Qty

Destination

Party No	Party Desc	Bin No	Bin Qty	Gate In Date	Gate Out Qty
----------	------------	--------	---------	--------------	--------------

## Outward Process

### Truck Entry for Pickup

System facilitates to cargo gate in at gate. System facilitates to upload documents attach to Booking number and gate pass, which can be retrieve any time for the reference through Document Management System

System facilitate to verify the cargo with sampling. Weight of the cargo will be measured using weighbridge integration.

System generate Lot Number Slip (Gate In Pass) for trucks. System prints warehouse location, where need to unload, which chassis allocated for unload

Truck In for Pickup	
Delivery Order Number: <input type="text"/>	In Pass Number: <input type="text"/>
Delivery Order Date: <input type="text"/>	In Date and Time: <input type="text"/>
Order Booking / SB Number: <input type="text"/>	Truck Number: <input type="text"/>
Customer Name: <input type="text"/>	Driver Name: <input type="text"/>
Release Reference No: <input type="text"/>	Name of Transporter: <input type="text"/>
Date of Receipt: <input type="text"/>	Type of Truck: <input type="text"/>
Name of Funding Agency/Bank: <input type="text"/>	Expected delivery Qty: <input type="text"/>
Delivery given from warehouse: <input type="text"/>	Expected Delivery Wt: <input type="text"/>
Client Name: <input type="text"/>	
Client Address: <input type="text"/>	
Weight to be Released: <input type="text"/>	
Quantity to be Released: <input type="text"/>	
<div> <input type="button" value="Save"/> <input type="button" value="Exit"/> <input type="button" value="Print"/> <input type="button" value="Update Attachments"/> </div>	



## Inward Process

### Shipping Note Updation

System facilitates to update SN tally online using IPODs. User can open Warehouse in graphical representation, system shows current inventory and planned location for the cargo.

When User select the warehouse location, system popup to enter Unloaded quantity.

User able to take the Bar Code label print to paste on goods. System identify each Pallets as Pallet ID, inventory will be maintain microlevel for each Pallet / Bag wise

For Damage, system provides facility to take the snap of the cargo

System records Sampling taken information for verification purpose

Warehouse View

WareHouse Id:

	10	9	8	7	6	5	4	3	2	1
A										
B										
C										
D										
E										
F										
G										
H										

Selected Location : A-8

Cargo Details:

SHIPPING BILL NO	SHIPPING BILL DATE	WEIGHT	PACKAGES	FROM DATE	EXPORTER DETAILS	CARGO DETAILS
4036697	14/01/2011 00:00	130594.320	249.000	20/04/2011 23:36	CHANDRASHEKHAR EXPORTS PVT LTD	MAIZE

## Inward Process

### Truck Gate Out

System facilitates to update carting tally online using IPODs. User can open Warehouse in graphical representation, system shows current inventory and planned location for the cargo.

When User select the warehouse location, system popup to enter Unloaded quantity.

User able to take the Bar Code label print to paste on goods. System identify each Pallets as Pallet ID, inventory will be maintain microlevel for each Pallet / Bag wise

For Damage, system provides facility to take the snap of the cargo

System records Sampling taken information for verification purpose

#### Gate-Pass

Gate Pass Number:

Date:

Arrival Time:

Departure Time:

Warehouse Name and Code	
Truck/Vehicle Number	
Commodity	
Gross weight	
Weighment Slip No.	
Tare Weight	
Weighment Slip No.	
Tare Weight (including Rejected bags)	
Weighment Slip	
Number of Bags	
Stack Number	
SR/Warehouse Receipt Number	
Delivery Order Number and Date	
Name of Depositor	
Name of Trader	
Remarks	

Signature of Warehouse In-charge/Supervisor:

Signature of Agent/Depositor/Driver:

#### For Office Use only:

Entered in Gate-in-out Register Sr.No..... on .....

Signature of Gate-in-charge

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Signature of Agent/Depositor/Driver:

#### For Office Use only:

Entered in Gate-in-out Register Sr.No..... on .....

Signature of Gate-in-charge

## Billing

**Billing**

## Billing

System will generate invoice based on customer contract, inward, outward and stock based.

Cold Periodic Invoice

Reference No: 2586

Invoice No : PC/TV/00161/1819

Invoice Date: 07/03/2019 12:05

From date : 01/02/2019 00 00

To date : 28/02/2019 23 59

Bill To : Account Holder

Billing Type : All

Payment Mode: Credit

Customer : Select

Address :

Skip Validation :

Skip Validation Remark :

Attachment : Browse Upload

Doc Ref No	From Date	To Date	Tariff	Qty	Rate	GST	Amount	Weiver Applied	Weiver Approved
<input checked="" type="checkbox"/> PWL/18-19/0010	2/18/2019	2/18/2019	INWARD COLD CHAIN LABO	21855	0.1	393.39	2578.89	0	0
<input checked="" type="checkbox"/> PWL/18-19/0010	2/19/2019	2/19/2019	INWARD COLD CHAIN LABO	18693	0.1	336.474	2205.774	0	0
<input checked="" type="checkbox"/> PWL/18-19/0010	2/19/2019	2/19/2019	INWARD COLD CHAIN LABO	18011	0.1	324.198	2125.298	0	0
<input checked="" type="checkbox"/> PWL/18-19/0010	2/20/2019	2/20/2019	INWARD COLD CHAIN LABO	18011	0.1	324.198	2125.298	0	0
<input checked="" type="checkbox"/> PWL/18-19/0010	2/20/2019	2/20/2019	INWARD COLD CHAIN LABO	18011	0.1	324.198	2125.298	0	0
<input checked="" type="checkbox"/> PWL/18-19/0010	2/20/2019	2/20/2019	INWARD COLD CHAIN LABO	21979	0.1	395.622	2593.522	0	0

Total : 1094233.1396

Round Off : 1094233

Note: INVOICE F/M FEB 2019

## Billing

### TAX INVOICE - COLD

Billing Party :	MOTHER DAIRY FRUITS AND VEGETABLE PRIVATE LIMITED PAN No : AACCM3174A	Activity :	TAX INVOICE - COLD
Address :	100133, DISTRIBUTION CENTRE GURGAON Booth NO 920 A, DLF PHASE II ,GURGAON,122102,HARYANA.	Invoice No :	PC/TI/00161/1819
GSTIN NO :	06AACCM3174A1ZZ	State :	06-HARYANA
Commodity :	GENERAL	Invoice Date :	07/03/2019
Place of Supply :	06-HARYANA	Invoice Period :	01/02/2019 TO 28/02/2019

Sr No.	Item Description	Amount in INR
1	INWARD COLD CHAIN LABOUR CHARGES	117381.80
2	COLD CHAIN STORAGE AND PRESERVATION CHARGES	809934.42

Amount In Words	Nine Lakh Twenty Seven Thousand Three Hundred Sixteen Only	Amount without taxes:	<b>927316.00</b>
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Sr No.	SAC	Classification of Services	Amount in INR
1	996721	REFRIGERATED STORAGE SERVICES	927316.22
2		CGST @9	83458.46
3		SGST @9	83458.46

Amount In Words	Ten Lakh Ninety Four Thousand Two Hundred Thirty Three Only	Total Invoice Amount (Round off) :	<b>1094233.00</b>
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Remarks : INVOICE F/M FEB 2019

PAN No : AABCH4778A

- 1)Kindly issue Cheque/DD in name of
- 2)This document is not a guarantee for the delivery of Cargo.
- 3) Delivery is strictly on completion of statutory formalities.
- 4)This is a system generated bill. For any clarification regarding charges or account related enquiries, kindly contact us.
- 5)All disputes Subject to Delhi Jurisdictions only.

#### BENEFICIARY DETAILS

Beneficiary Name :  
Beneficiary Address :  
Beneficiary Bank Name : ICICI BANK  
Beneficiary Bank Address : Nimal Plaza, New Colony, Saket, 121101, Haryana

Authorised  
Signatory

## Dashboard and Visibility

## Dashboard

### Operation Function Pendency View

System facilitates to view Warehouse Operation micro process pendency and statistics real time based; which provide management / supervisor to take the action.

Facility available in mobile and desktop. User can view the status from platform independent devices.

User can drilldown to the specific function for further details; system availed drill down technology. User able to filter based on customer / supplier to view the current status respect to customer.

This dashboard is based on credential driven; which availed to the customers; they view for their vehicle and cargo point of view only.

## Dashboard

### Vehicle Movement

192 Total Vehicle



65 Pre-advise

20 Gate In

04 Survey Check

40 1st Weighment

56 Gate Pass

01 PEP

08 Safety Check

00 Indent

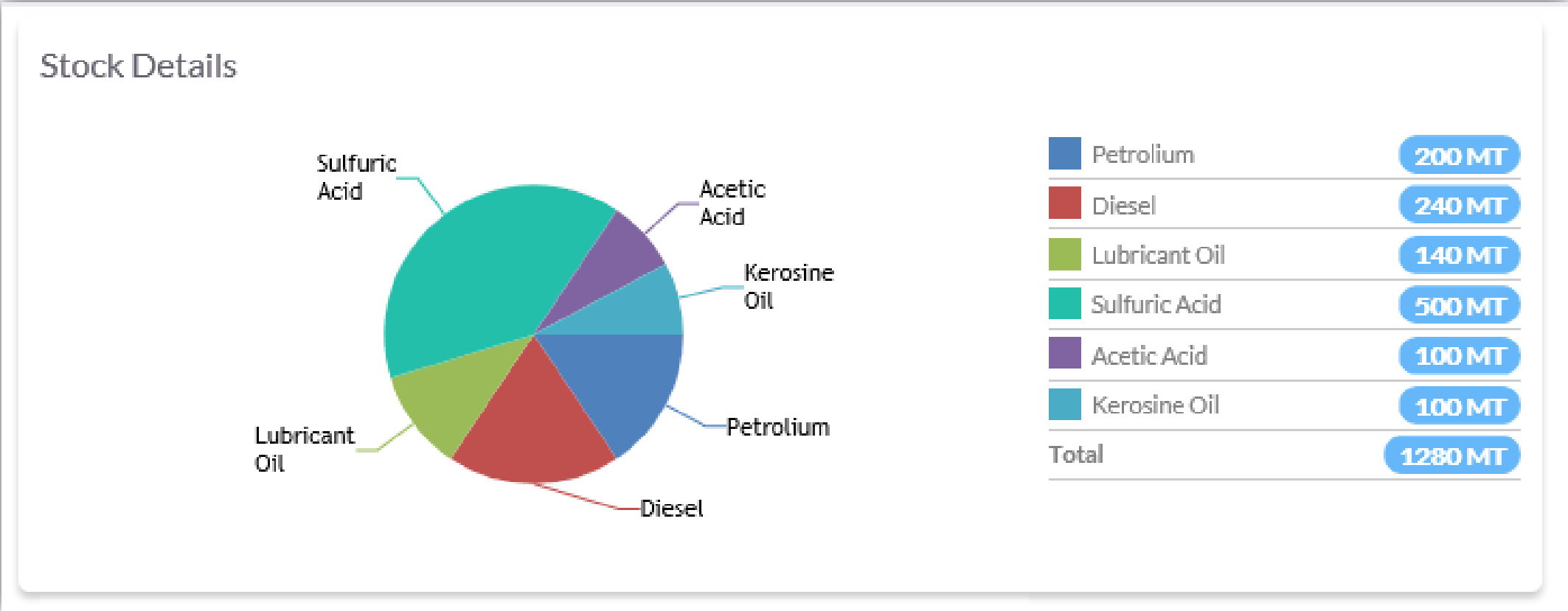
30 2nt Weighment

50 Gate Pass Out



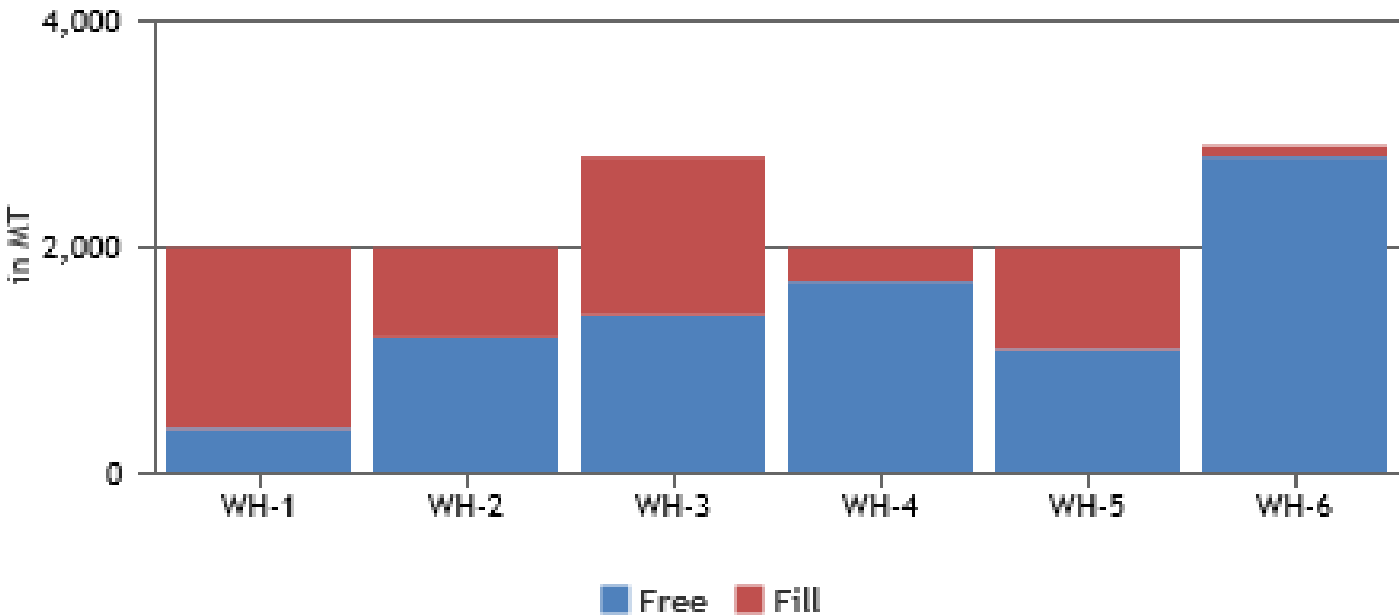
System facilitate to view the inventory based on ‘N’ different parameters such as commodity based; customer based; warehouse based; slot based, aging wise. Facility availed in Mobile and Desktop application and user can view anywhere and any time.

System data control based on customer; direct customer can view the data of their own using this system directly



System facilitate to view the warehouse utilization on real time basis. System provides utilization based on entire warehouse, customer contract basis, product basis, long standing cargo, quarantine cargo etc.

Warehouse Utilization



WH	Product	Qty	Ullage
WH-1	ACETONE	02	
WH-2	FUEL OIL	02	
WH-3	BASE OIL	10	

Vehicle turnaround time

System facilitates to view the Vehicle in and out statistics; based on customer and warehouse point of view. User can drilldown the vehicle and identify the time slices respect to business functions

Vehicle Details

Vehicle No	In Time	Out Time
MH4320	28/07/2019 11:18 AM	29/07/2019 21:45 PM
MH4385	28/07/2019 09:32 AM	29/07/2019 11:15 PM
MH4344	29/07/2019 10:20 AM	29/07/2019 22:35 PM

Operation Pendency View

User able to view the operation pendency based on operation process flow on real time basis and can be drill down to see the cargo details of the pendency

Approvals

✓ TVP Approval Pending	40	✓ IGM Approval Pending	20
✓ NOC Pending	15	✓ Discharge Permission Pending	10
✓ DO Pendency	00	✓ Indent Pendency	00

## Value added Process

### Value Added Services

- Sampling
- Sorting
- Packing and Re-packing
- Fumigation
- Quality Testing
- Weighment
- Insurance
- Infestation Test
- Lien Marking for Collateral
- Dunnage
- Aeration
- Prophylactic Treatment
- Curative Treatment
- Made-up Bag, spillage and sweeping
- Brushing and Cleaning

## Reports

### Reports and Registers

During the inward procedures, Warehouse In-charge get following registers:

- Weighbridge register
- Daily Transaction register (Annexure XXII)
- Stack register (Annexure XXIII)
- Quality Sample Analysis Register
- Gate Pass register (Annexure VII)
- Visitors register (Annexure XXIV)

Warehouse In-charge also get

- Stock register
- Cold Storage Temperature register (Annexure XXII)
- Stack register (Annexure XXIII)
- Validity Expiry Register
- Labor Usage Register
- Equipment Usage Register

## Case Study: WMS managing 500+ warehouses for Trader after certifying cargo quality

Concern	<ul style="list-style-type: none"><li>• No standard business processes adopted</li><li>• Inefficient Operator productivity</li><li>• Improper Inventory control</li><li>• In accurate data synchronization</li></ul>
Solution	<ul style="list-style-type: none"><li>• Compelled data capture using Mobile – Mobile Cargo Assessment, Mobile Quality Certification, Mobile Cargo Receipt, Mobile Stocking, and Mobile Shipping</li><li>• Data validation across processes of all departments</li><li>• Tracking and tracing of cargo using RFID readers</li></ul>
Benefit	<ul style="list-style-type: none"><li>• Incorporated standard processes to streamline business operations</li><li>• Facilitated role based task assignments monitored against time</li><li>• Digitized capture of cargo and warehouse location information</li><li>• Synchronization of both manual and digital data captured by marketing, operations &amp; finance departments</li></ul>

## Contact Us

### ● Offshore Development Centre

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Millennium Business Park

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