

PLANT MANAGEMENT SOFTWARE (LITE)

(PMS_{lite})

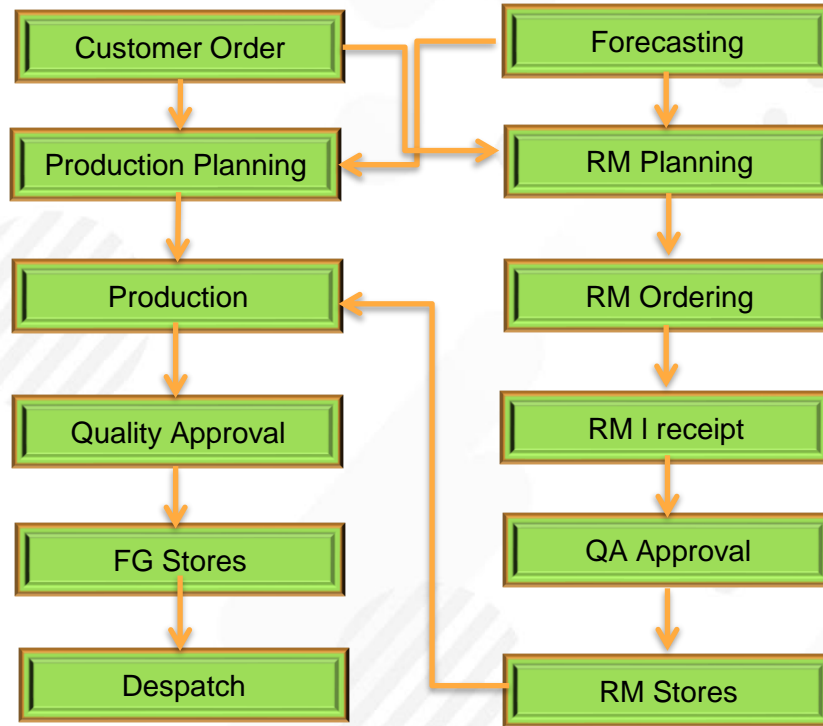
pmslite.viewiss.com



INNOVATIVE SOFT SOLUTIONS

WWW.VIEWISS.COM

FLOW CHART OF PMS



Reducing the Cost of Goods Produced

1. Increasing Productivity

- ✓ Operating the machine/Line at its rated capacity
- ✓ Reduce Downtime (**Breakdowns, Change-over Stoppage**)

2. Reduce RM Inventory carrying Cost (the major element influencing cost)

- ✓ Classify RM in to ABC once in a month.
 - **Monitor A and B items daily** for their age.
- ✓ Correct minimum stock level at regular interval.
- ✓ Correct lead-time stock regularly as lead time may increase or decrease based on procurement efficiency.

3. Reduce Procurement cost

- ✓ Order RM at economic order quality.
- ✓ Order at **right time and right quantity** by –
 - Review Daily RM needs based on Customer New orders.

4. Reduce FG Inventory carrying cost

- ✓ Don't maintain excess FG inventory by –
 - Optimizing production lot size

PROCESS SEQUENCE

- ✓ You need to enter forecast by 20th to 25th of every month for the next month (**Optional for better RM Planning**)
- ✓ Our software automatically calculates all the raw material required for this forecast and gives you the summary report.
- ✓ You need to enter customer order data whenever you receive the order throughout the month. Software calculates the confirmed RM needs and gives you summary report.
- ✓ You need to give your priority sequence of order execution in production planning screen. Our software automatically schedules the production and provides you production schedule with start date and end date with time for each batch.
- ✓ Software calculates RM requirement day-wise based on production plan and will let you know the date of stockout for every RM. You can order RM, based on this report such that the Material will reach you just before stockout.
Therefore, there is no excess or aged stock in your stores and inventory will be bare minimum.
- ✓ Our software automatically generates RM issue slip for each Batch. You just need to approve or divide the request based on batch size as per your convenience. Therefore no need of any calculation or incorrect material request. Software will not allow you to request beyond 20% in excess of formulation to cover wastages / Quality Rejections / to produce extra for stock. (**you need to decide this extra percent and enter in the master initially once**)
- ✓ Once request is raised, it will be available in the store computer screen and stores person will issue the material and make entry. No physical paper work at both production and stores.
- ✓ After completion of production, extra material if any can be returned to store through **material return screen** entry. It will appear in the stores system and he can approve it after receiving raw material.

PROCESS SEQUENCE

- ✓ Whenever production is completed, the details will appear in quality department for approval.
- ✓ Once approved, the stock will appear in FG stores and can be despatched as and when needed.
- ✓ Whenever RM is received by stores, Stores person will enter the data and hold the material in the inspection area of the RM store for QA Inspection.
- ✓ This information of new receipt will appear in quality dept screen, once stores enters it. QA inspects it and approve. Then Stores moves the approved material from inspection area to stores. Its only after this the material can be issued.
- ✓ This complete process is paperless once again !
- ✓ There are powerful analytical reports for you to see and control the plant accordingly.
- ✓ You need to enter bare minimum data and **many entries will be automatically entered by our business intelligence module present in the software on your behalf**. This makes your job easy and eliminate manual entry mistakes.
- ✓ Our software can be installed in a local system in your office (which acts as server) with an active internet connection. Once installed, the software can be accessed on any computer/phone/tab sharing the same internet connection as the system in which the software is installed. **Thus eliminating the need to buy a separate server machine !**

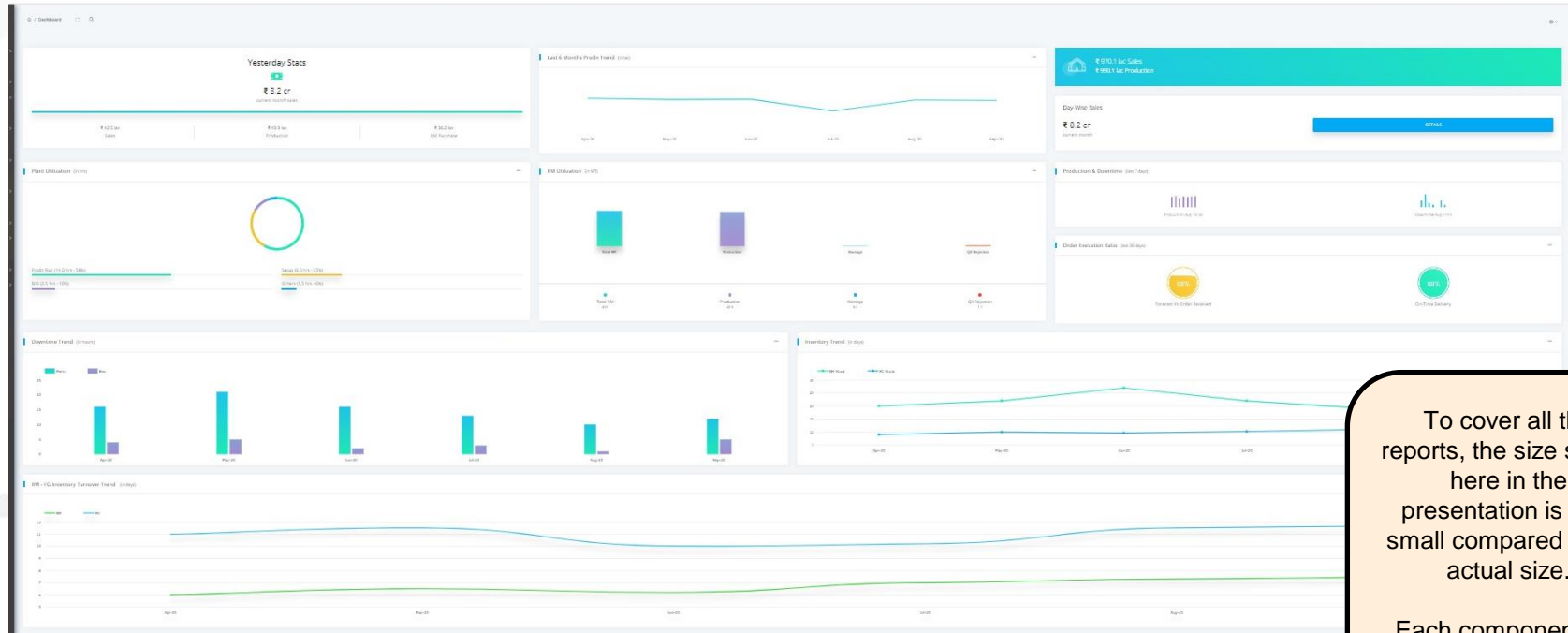
The background is a light gray with various abstract geometric elements. There are several light gray rounded rectangles of different sizes and orientations. Some circles are present, some with diagonal stripes. Small gray dots are scattered throughout. A few orange shapes, including a large circle in the top left, a small triangle, and a small 'x' mark, are also visible.

REPORTS

-Dashboard-

Dashboard

This page appears automatically whenever you login into the software to show you the complete Maintenance performance in single page thro various charts



To cover all the reports, the size shown here in the presentation is very small compared to the actual size.

Each component will be explained separately in next slides

Dashboard



₹ 970.1 lac Sales

₹ 990.1 lac Production

Day-Wise Sales

₹ 8.2 cr

current month

DETAILS

This shows total sale and Production as on date for the year And Current month sale. By clicking Details button we can see day-wise data.

Dashboard

Yesterday Stats



₹ 8.2 cr

current month sales



₹ 42.5 lac

Sales

₹ 43.9 lac

Production

₹ 36.2 lac

RM
Purchase

This shows current
month sales till date
And
Today sales,
production, RM
purchased

Dashboard

Last 6 Months Prodn Trend (in lac)

...

Moving Curser to any point on the line will show the values

98

Apr-20

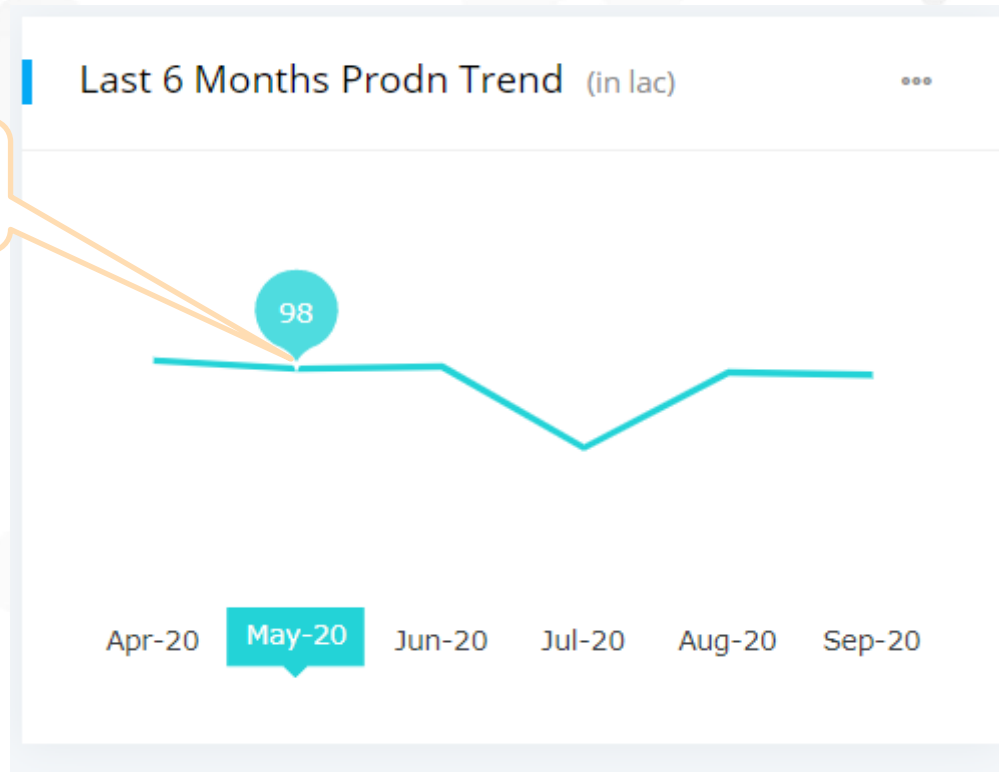
May-20

Jun-20

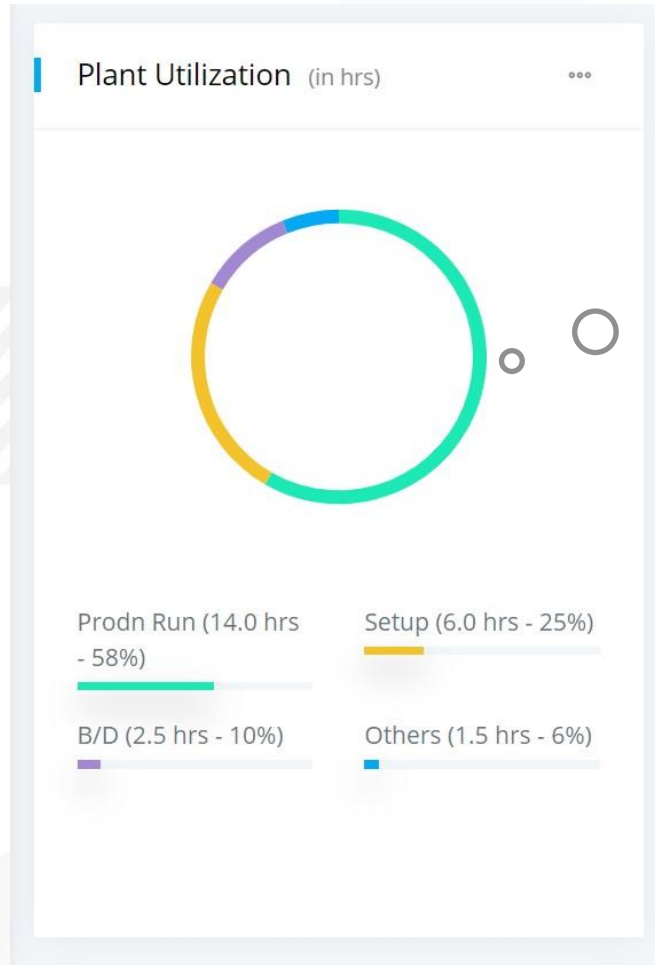
Jul-20

Aug-20

Sep-20



Dashboard



By moving your cursor on any segment on the chart will display the value.

Dashboard

Production & Downtime (last 7 days)



Production Avg 39 lac



Downtime Avg 2 hrs

By moving your cursor on any column on the chart will display the value.

Dashboard



Moving Cursor on the column will show the values

Dashboard

Order Execution Ratio (last 30 days) ...



Forecast Vs Order
Received

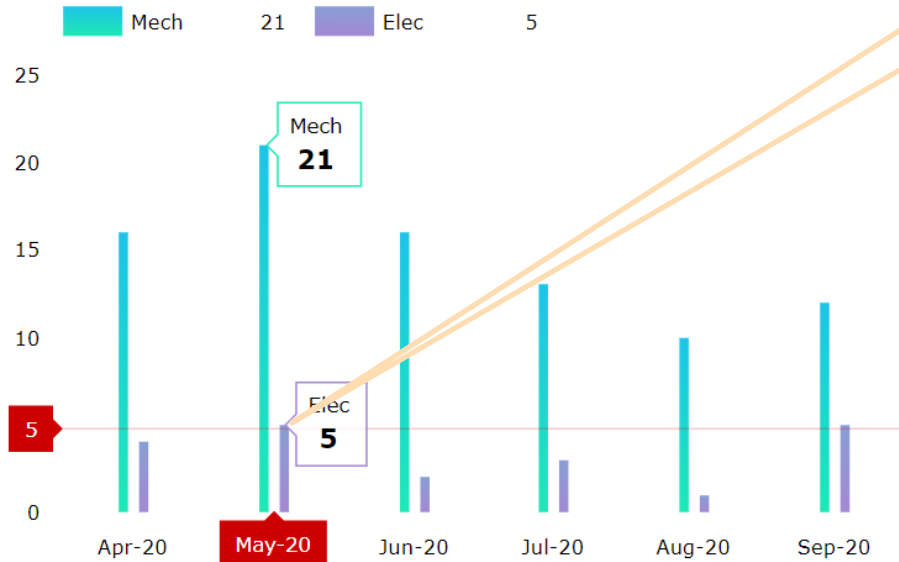


On-Time Delivery

Color will change
according to
percentage

Dashboard

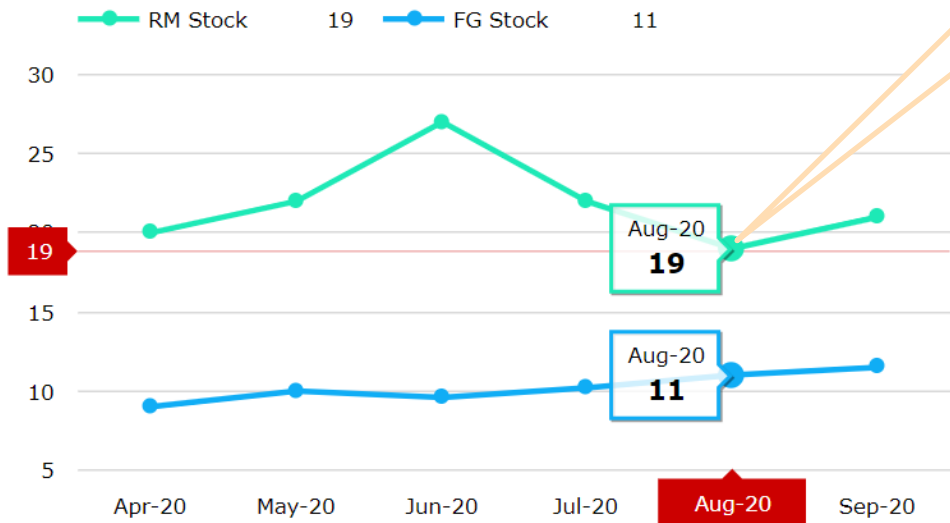
Downtime Trend (in hours)



Cursor moved to any column will the values for that column

Dashboard

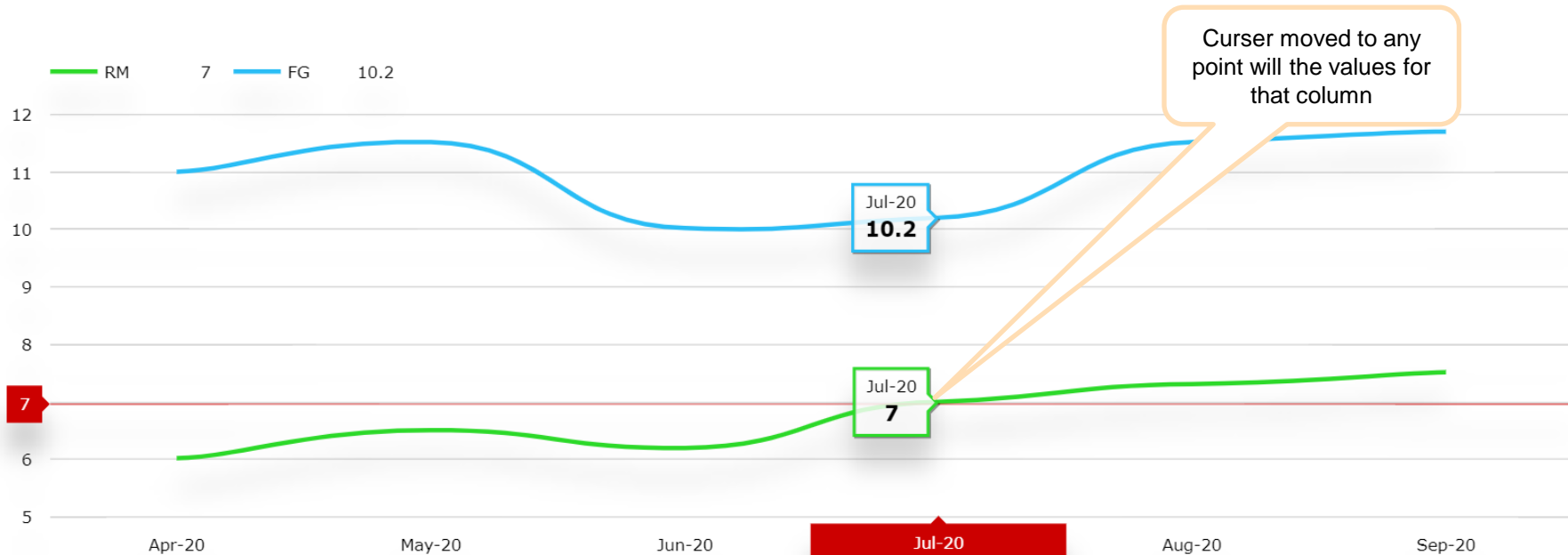
Inventory Trend (in days)



Cursor moved to any point will the values for that column

Dashboard

RM - FG Inventory Turnover Trend (in days)



The background is a light gray with various abstract geometric elements. There are several light gray rounded rectangles of different sizes and orientations. Scattered throughout are small gray dots, some in clusters. There are also orange circles of different sizes, including a large one in the top left and a small one in the bottom right. Some circles have diagonal gray stripes. A small orange triangle is located near the top center, and a small orange 'x' is in the upper right. The text 'DETAILED REPORTS' is centered in a bold, orange, sans-serif font.

DETAILED REPORTS

Order Forecast

Main Menu

PMS Lite

SALES

- Data Entry
- Order Forecasting
 - Order Forecasting

PROD PLAN

- Data Entry
- Reports

PURCHASE

- RM

PRODUCTION

- Data Entry

QUALITY

- Data Entry

STORES

- Data Entry
- Reports

Order Forecasting Report

Report*

Detailed Report

Month*

Apr

Year*

2021

FIND

RESET

Order Forecasting - Detailed Report (Apr 2021)

CustomerName	Product	Qty	Needed On
Cus2	PD2	5,000	04/04/2021
Cus1	PD1	7,000	07/04/2021
Cus1	PD2	12,000	08/04/2021
Cus5	PD1	5,000	16/04/2021
Cus1	PD2	6,000	16/04/2021
Cus4	PD4	9,000	21/04/2021
Total		44,000	

You can directly send to printer

You can download as pdf

Downloads as excel file

You can filter data for any Customer product

By clicking on any column you can sort the data based on that column

Customer Orders

Report*
Detailed Report ▼

Month*
Mar ▼
select...
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec

Year*
2021 ▼

FIND RESET

Customer Order Summary - Detailed Report (Mar 2021)

Customer / Product...

Customer ▼ Order No ▼ Order Date ▼ Product ▼ Planning Completed? ▼

Cus2	H2876	26/02/2021	PD2	7,000	80.00	560,000	03/03/2021	Y
Cus4	I76	01/03/2021	PD3	7,000	78.00	546,000	04/03/2021	Y
Cus5	J561	01/03/2021	PD1	3,000	85.00	255,000	06/03/2021	N
Cus1	G1328	06/03/2021	PD1	5,000	90.00	450,000	10/03/2021	Y
Cus1	G1310	01/03/2021	PD1	2,000	90.00	180,000	11/03/2021	Y
Cus3	K298	03/03/2021	PD3	8,000	80.00	640,000	11/03/2021	N

March month
is selected

You can select any
combination and press
Find button to
generate report for that
combination

Production Plan

Prodn Planning Report

Report*

All



Month*

Apr



Year*

2021



FIND

RESET

Prodn Planning Report - All (Apr 2021)



Customer

Customer ▼	Product ▼	Line ID ▼	Batch No ▼	Start Date ▼	End Date ▼	Planned Qty ▼
Cus2	PD2	Line1	BA100	01/04/2021 06:00:00	01/04/2021 16:05:00	5,000
Cus1	PD1	Line1	BA101	01/04/2021 16:05:00	02/04/2021 06:05:00	7,000
Cus1	PD2	Line1	BA102	02/04/2021 06:05:00	02/04/2021 20:10:00	7,000
Cus1	PD2	Line1	BA103	02/04/2021 20:10:00	03/04/2021 06:10:00	5,000
Cus5	PD1	Line1	BA104	03/04/2021 06:10:00	03/04/2021 16:09:00	5,000
Cus1	PD2	Line1	BA105	03/04/2021 16:09:00	03/04/2021 20:08:00	2,000

Total

31,000

RM Inventory Status

RM Inventory Plan

RMName ▼	Stock ▼	FGBatchNo ▼	QtyNeeded ▼	NeededOn ▼	Stock C/B ▼
RM1	20500.00	B03009	2000.00	28/02/2021	18500
		B0313	500.00	05/03/2021	18000
		BA104	2500.00	03/04/2021	15500
		BA105	200.00	03/04/2021	15300
RM2	800.00	B03009	1200.00	28/02/2021	-400
		BA104	1500.00	03/04/2021	-1900
RM3	4000.00	B03009	800.00	28/02/2021	3200
		B0313	500.00	05/03/2021	2700
		BA104	1000.00	03/04/2021	1700
		BA105	200.00	03/04/2021	1500
RM4	33600.00	B0313	4000.00	05/03/2021	29600
		BA105	1600.00	03/04/2021	28000
RM5	0.00				0

Highlights stock outs
as per Production Plan

RM Ordering Status Report

RM Order Status

Report*

Detailed Report

Month*

Mar

Year*

2021

FIND

RM Order Status - Detailed Report (Mar 2021)



RMName ▼	Total Forecast Qty ▼	Supplier ▼	PONo ▼	PODate ▼	OrderedQty ▼	Price ▼	Value ▼
RM1	22,900	Sup1	PO231	27/02/2021	20,000	65.00	1,300,000
RM2	6,900	Sup2	PO242	01/03/2021	6,900	45.00	310,500
RM6	3,600	Sup2	PO242	01/03/2021	3,600	65.00	234,000
RM3	7,000	Sup3	PO248	04/03/2021	7,000	70.00	490,000
RM4	24,600	Sup3	PO248	04/03/2021	24,600	70.00	1,722,000
RM1	22,900	Sup1	PO288	11/03/2021	2,900	65.00	188,500
Total	87,900				65,000		4,245,000

RM Receipt Report

Daily Receipts (01-03-2021 - 31-03-2021)

can be viewed for any
selected period

Supplier	Supplier Invoice No	Invoice Date	Received On	RM Name	RM Batch No	Received Qty	Approval Status
Sup1	K3881	03/03/2021	04/03/2021	RM1	BV87	20,000	Y
Sup3	B4312	05/03/2021	06/03/2021	RM4	N30786	24,600	Y
		05/03/2021	06/03/2021	RM3	S87892	7,000	Y
Sup2	N67532	10/03/2021	11/03/2021	RM2	B3421	6,900	Y
		10/03/2021	11/03/2021	RM6	N4311	3,600	Y
Sup1	M8007	18/03/2021	20/03/2021	RM1	RMB33	2,900	Y
Sup3	V45673	30/03/2021	31/03/2021	RM4	HY678	9,000	Y
		30/03/2021	31/03/2021	RM7	HY703	5,000	N

RM Issue Report

Daily Issues (01/04/2021 - 25/04/2021)

can be viewed for any
selected period

Date	Issue Slip No	RMName	Qty Requested	Qty Issued	Qty Returned	Return Accepted
21/04/2021	1	RM2	5,000	5,000	0	N
		RM3	3,500	1,500	0	N
	2	RM2	1,500	1,500	0	N
		RM3	6,700	3,000	0	N
	4	RM1	2,000	2,000	0	N
		RM2	1,200	1,200	0	N
	1	RM1	9,000	9,000	200	Y
	7	RM2	1,150	1,150	100	Y

RM Approval Report

Report*

Day-wise QA RM History

Period*

01/11/2020

31-03-2021

FIND

RESET

QA_RM Approval (01/11/2020 - 31-03-2021)





RM Name / PO No...




Date ▼	RM Name ▼	PO No ▼	Ordered Qty ▼	Supplier ▼	Supplier Invoice ▼	Received Qty ▼	Qty Approved ▼	Qty Rejected ▼	Reason for Rejection ▼
19/04/2021	RM1	PO231	20,000	Sup1	K3881	20,000	20,000	0	
20/04/2021	RM6	PO242	3,600	Sup2	N67532	3,600	3,500	100	packing damaged
20/04/2021	RM3	PO248	7,000	Sup3	B4312	7,000	6,700	300	Density Low
22/04/2021	RM1	PO288	2,900	Sup1	M8007	2,900	2,900	0	
22/04/2021	RM4	PO248	24,600	Sup3	B4312	24,600	24,600	0	
22/04/2021	RM2	PO242	6,900	Sup2	N67532	6,900	6,700	200	Contaminated
22/04/2021	RM4	N237	9,000	Sup3	V45673	9,000	9,000	0	

RM Stock Report


 PMS Lite




SALES


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PRODN PLANNING


 Data Entry >

 Reports >


PURCHASE

 RM >

PRODUCTION

 Data Entry >

QUALITY

 Data Entry >

 / Stores / RM Stock Report



RM Stock Report



RM Name...



RMName ▼	Stock ▼	Price ▼	Value ▼
RM1	13,200	65.00	858,000
RM3	3,000	70.00	210,000
RM4	33,600	80.00	2,688,000
RM6	3,500	65.00	227,500
Total	53,300		3,983,500

RM Aging Report

RM Stock Aging Report

RMName	Batch No	Stock	Age (Days)
RM1	RMB33	2,200	46
RM1	BV4390	11,000	33
RM3	NM610	3,000	32
RM4	N30786	24,600	60
RM4	HY678	9,000	35
RM6	N4311	3,500	55

Daily Production Report

Production Report

Report*

Detailed Report



Month*

Apr



Year*

2021



FIND

Production Report (Apr 2021)



Customer	Product	Line ID	FG Batch No	Planned Qty	Prodn Ended On	Produced Qty	Inspection Status
Cus2	PD2	Line1	BA100	5,000	01/04/2021	5,000	N
Cus1	PD1	Line1	BA101	7,000	02/04/2021	7,000	N
Cus1	PD2	Line1	BA102	7,000	02/04/2021	7,000	N
Cus1	PD2	Line1	BA103	5,000	03/04/2021	5,000	N
Total				24,000		24,000	

Batch Efficiency Report

Batch Efficiency Report

Product*

PD1

FG Batch No*

B03003

FIND

RESET

RM Consumption Efficiency (BatchNo: B03003)

Product ▼	FGBatchNo ▼	RMName ▼	QtyNeeded ▼	RMConsumed ▼	Deviation ▼	Percentage ▼
PD1	B03003	RM1	10,000	10,100	100	1.00
PD1	B03003	RM2	6,000	6,050	50	0.83
PD1	B03003	RM3	4,000	4,000	0	0.00
Total			20,000	20,150	150	0.75

150 kg of RM consumed
in excess of formulation.

FG Approval Report

Day-wise QA FG History



22-04-2021

25-04-2021

FIND

RESET

QA_FG Approval (22-04-2021 - 25-04-2021)




Product / FG Batch No...




Date ▼	Customer ▼	Product ▼	LineID ▼	FGBatchNo ▼	Produced Qty ▼	Qty Approved ▼	Qty Rejected ▼	Reason For Rejection ▼
22/04/2021	Cus3	PD1	Line1	B03011	5,000	5,000	0	
22/04/2021	Cus4	PD3	Line1	B03010	3,000	3,000	0	
22/04/2021	Cus1	PD1	Line1	B03008	2,000	2,000	0	
22/04/2021	Cus1	PD1	Line1	B0314	4,000	3,900	0	
22/04/2021	Cus4	PD3	Line1	B03007	3,000	3,000	0	
Total					17,000	16,900	0	Rejection Rate : 0.00%


FG Stock Report


 PMS Lite

SALES


 Data Entry >

PRODN PLANNING


 Data Entry >

 Reports >




PURCHASE

 RM >




PRODUCTION

 Data Entry >

QUALITY

 / Stores / FG Stock Report  

FG Stock Report


Product ▼	Stock ▼	Value ▼
Pd3	5,000	400,000
Pd2	0	0
Pd1	5,800	464,000
Total	10,800	864,000

FG Aging Report


FG Aging Report

Product	FGBatchNo	Stock	Age(days)
PD1	B03008	100.00	13
PD1	B03011	5100.00	13
PD1	B03003	7000.00	14
PD3	B03010	1000.00	13
PD3	B03002	8000.00	14
PD3	B03004	14500.00	14


FG Despatch Report


 PMS Lite

SALES


 Data Entry >

PRODN PLANNING


 Data Entry >

 Reports >

PURCHASE

 RM >

PRODUCTION

 Data Entry >

QUALITY

FG Despatch Report (10-03-2021 - 23-04-2021)



CustomerName ▼	Product ▼	Invoice No ▼	Invoice Date ▼	Desaptched qty ▼
Cus4	PD3	H4322	23/04/2021	6,500
Cus3	PD1	NT5643	11/03/2021	5,000
Cus3	PD3	G45643	19/03/2021	8,000
Cus2	PD2	M4332	23/04/2021	6,900
Cus1	PD1	J5643	11/03/2021	2,000
Total				28,400

Order Execution Status

Order Execution Status

Period*

01/03/2021

31/05/2021

FIND

RESET

Order Execution Status (01/03/2021 - 31/05/2021)

CustomerName ▼	Product ▼	OrderQty ▼	DespatchedQty ▼	Balance to Despatch ▼
Cus1	PD1	2,000	2,000	0
Cus3	PD1	5,000	5,000	0
Cus2	PD2	7,000	6,900	100
Cus3	PD3	8,000	8,000	0
Cus4	PD3	7,000	6,500	500
		29,000	28,400	600

Forecast Variance Analysis

Forecast Variance Report

Month*

Mar

Year*

2021

FIND

RESET

Forecast Variance (Mar 2021)

Customer	Product	Forecasted	Ordered	Forecast Lower by	Forecast Higher by	Forecast Accuracy %
Cus1	PD1	4,000	7,000	3,000	0	57.14
Cus1	PD2	12,000	0	0	12,000	0
Cus2	PD2	0	12,000	12,000	0	0.00
Cus3	PD1	0	5,000	5,000	0	0.00
Cus3	PD3	8,000	8,000	0	0	100.00
Cus4	PD3	10,000	7,000	0	3,000	-42.86
Cus5	PD1	0	7,000	7,000	0	0.00
Total		34,000	46,000	27,000	15,000	73.91

RM Procurement Status Report

RM Procurement Status



Month ▼	Year ▼	RMName ▼	Forecasted Qty ▼	Ordered ▼	Received ▼	QA Approved ▼	Qty Issued ▼	RM Stock ▼
Mar	2021	RM1	22,900	22,900	22,900	22,900	4,000	13,200
Mar	2021	RM2	6,900	6,900	6,900	6,700	2,400	-3,250
Mar	2021	RM6	3,600	3,600	3,600	3,500	0	3,500
Mar	2021	RM3	7,000	7,000	7,000	6,700	800	3,000
Mar	2021	RM4	24,600	24,600	24,600	24,600	0	33,600
Total			65,000	65,000	65,000	64,400	7,200	50,050

FG Delivery Status Report

FG Delivery Status



Month ▼	Year ▼	Customer ▼	Product ▼	Order Qty ▼	Despatched Qty ▼	FG Stock ▼
Mar	2021	Cus1	PD1	2,000	2,000	5,800
Mar	2021	Cus2	PD2	7,000	6,900	0
Mar	2021	Cus3	PD1	5,000	5,000	5,800
Mar	2021	Cus3	PD3	8,000	8,000	5,000
Mar	2021	Cus4	PD3	7,000	6,500	5,000
Total				29,000	28,400	21,600

Customer Order Trend

Cus1

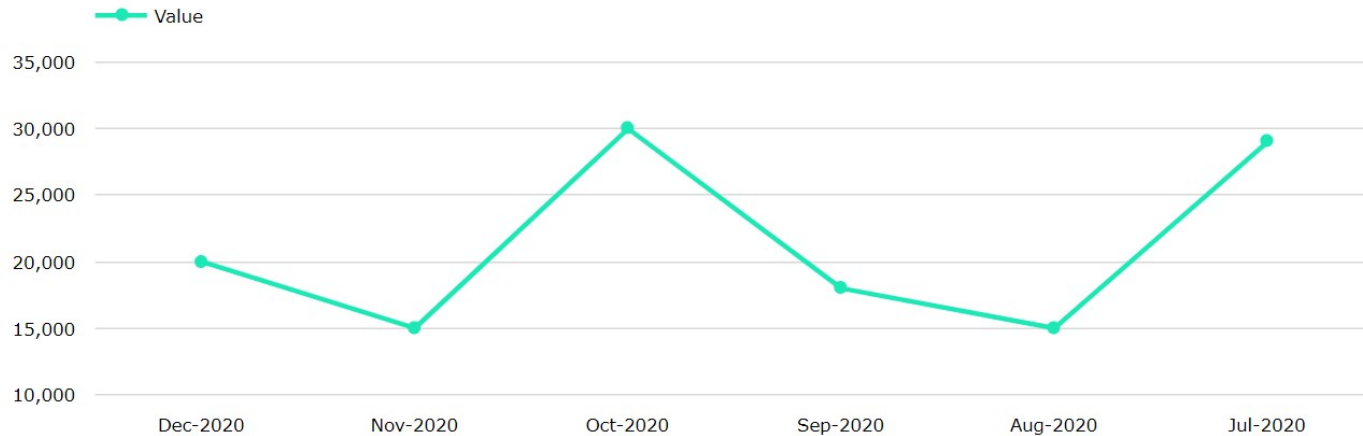


FIND

RESET

Order Trend for Cus1

...



Productivity Trend

Productivity Trend

Product*

PD1

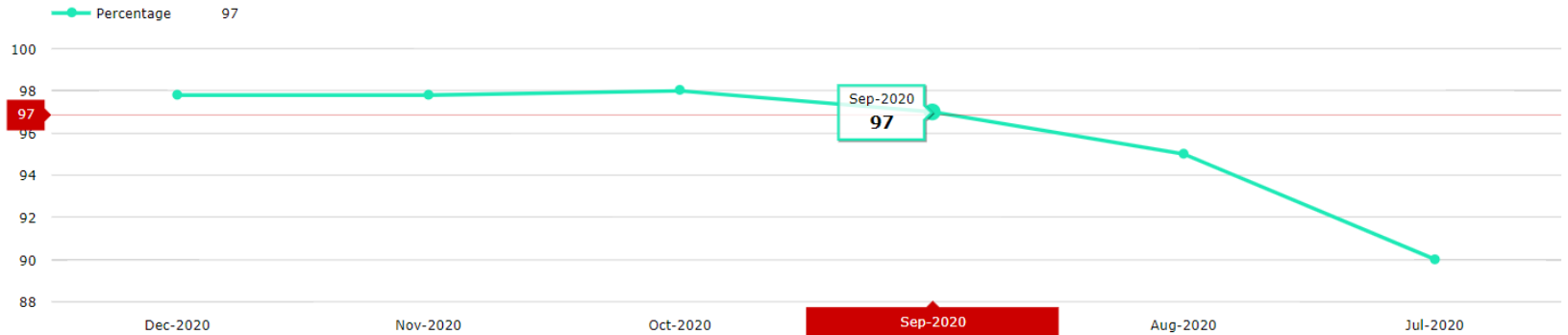


FIND

RESET

PMS Lite

...



Wastage Trend

Wastage Trend

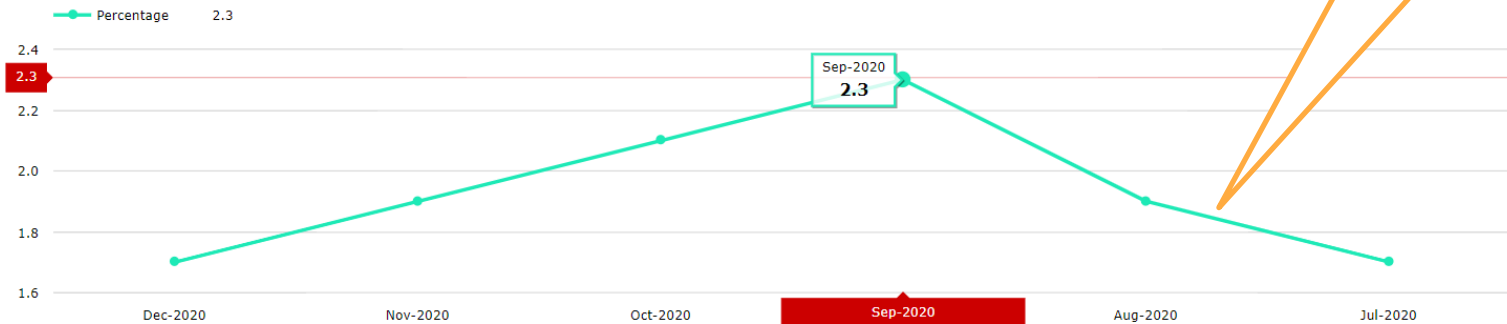
Product*

PD1

FIND

RESET

Wastage Trend for PD1



Last 2 month actions worked effective! Very good improvement

Quality Rejection Trend

PMS Lite

SALES

- Data Entry

PRODIN PLANNING

- Data Entry
- Reports

PURCHASE

- RM

PRODUCTION

- Data Entry

QUALITY

- Data Entry

STORES

Quality Rejection Trend

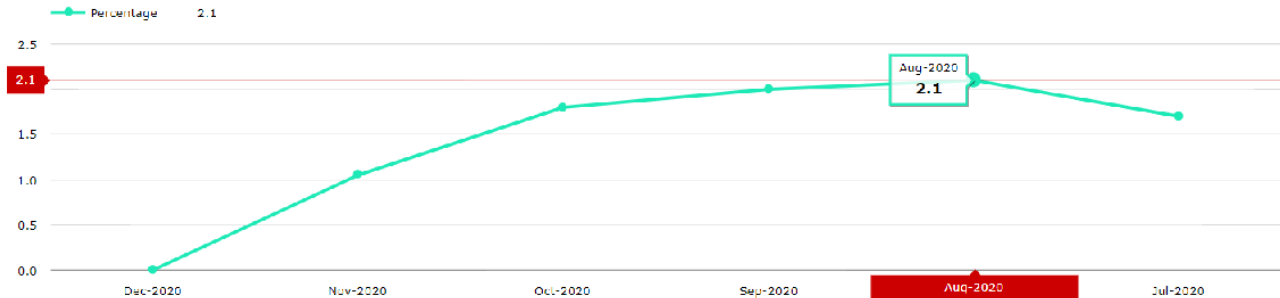
Product*

PD1

FIND

RESET

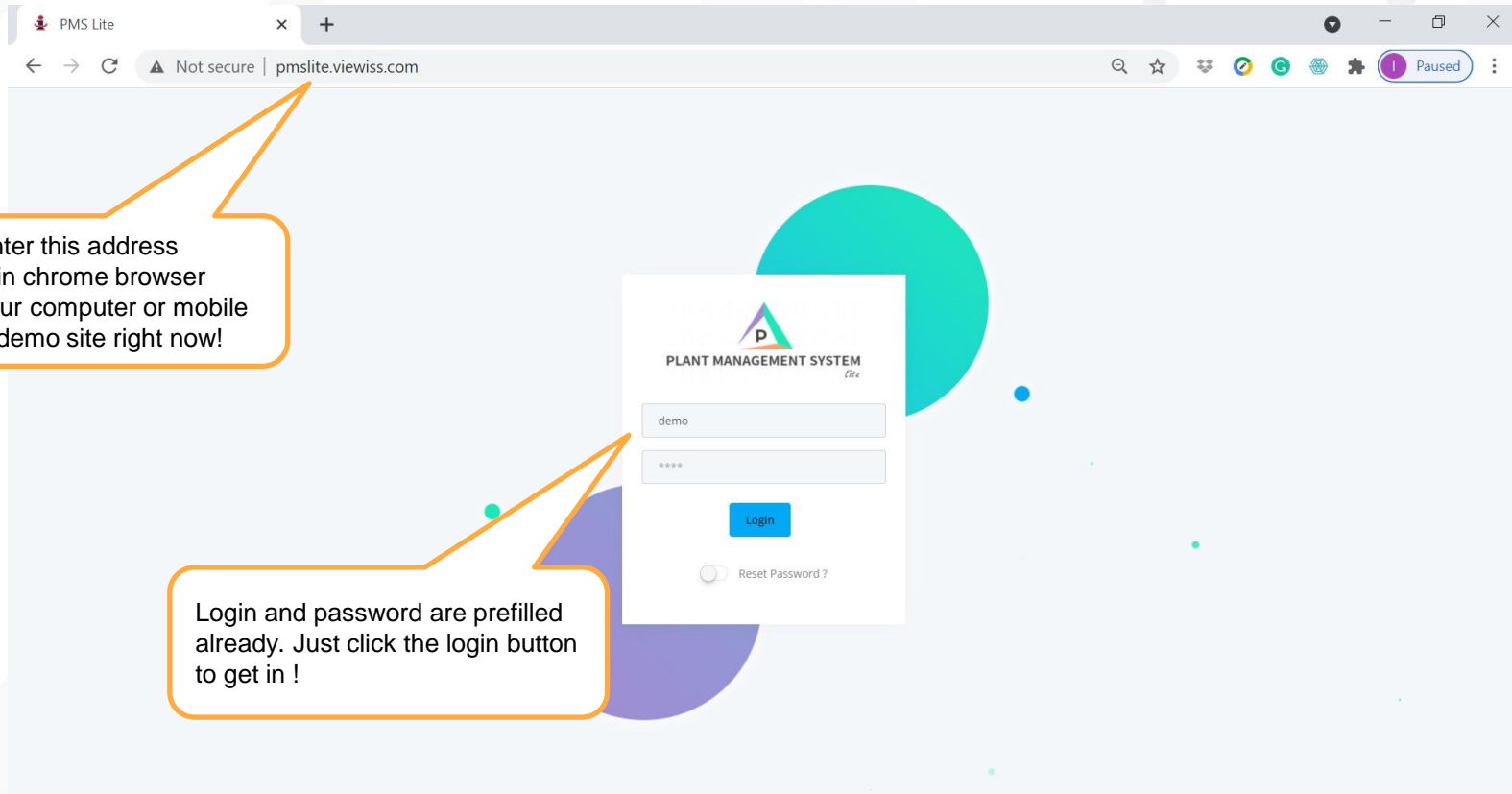
Quality Rejection Trend for PD1



The background is a light gray with various abstract geometric elements. There are several light gray rounded rectangles of different sizes and orientations. Scattered throughout are small gray dots, some in clusters. There are also orange circles of different sizes, including a large one in the top left and a small one in the bottom right. Some circles have diagonal gray stripes. A small orange triangle is located near the top center, and a small orange 'x' is in the upper right. The text 'Demo Software' is centered in the middle of the image in an orange, outlined font.

Demo Software

Login Screen



You can enter this address preferably in chrome browser either in your computer or mobile to see our demo site right now!

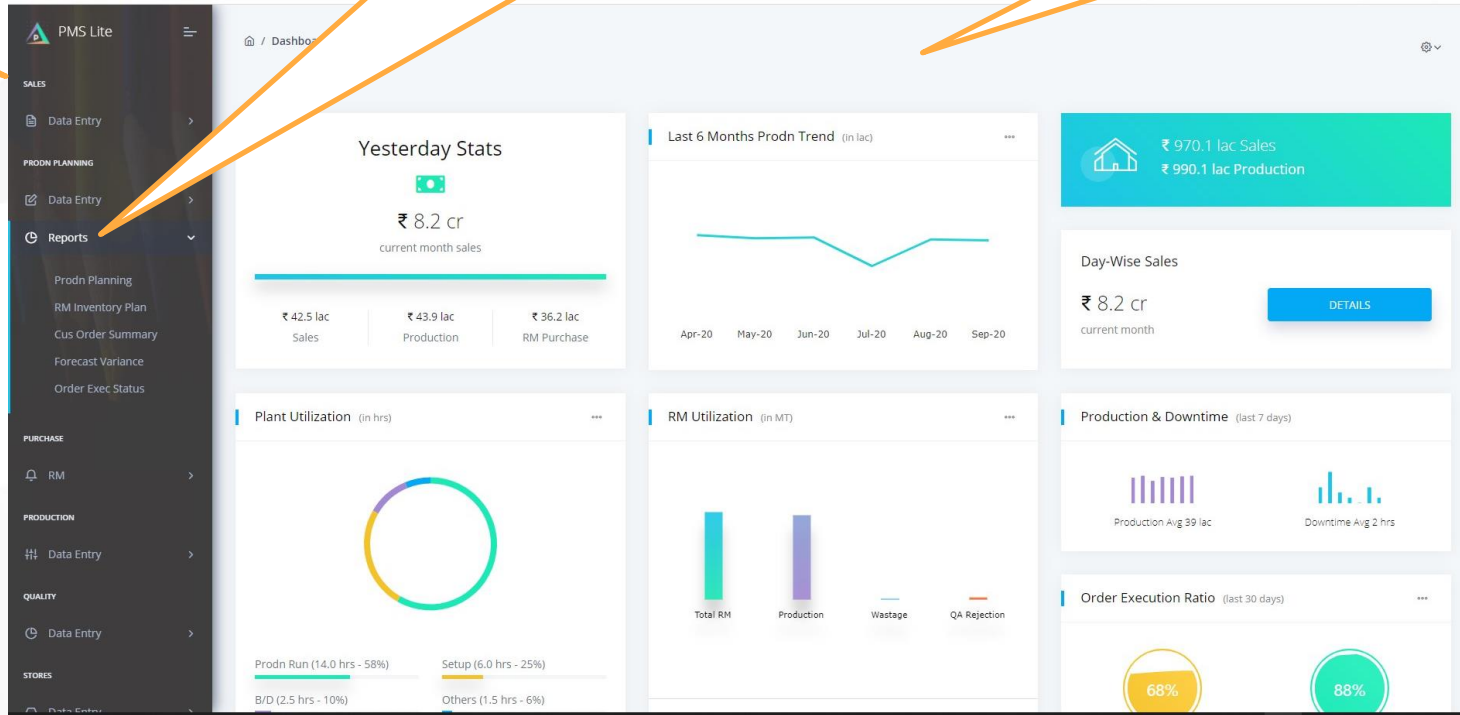
Login and password are prefilled already. Just click the login button to get in !

Landing Page

Main Menu

Report menu is clicked now to expand the sub menu and you can choose any sub menu to goto that screen

By default, Dashboard will appear to show you the performance of the plant



Forecasting Data Entry (for sample explanation)

Select Month & Year and press run button to display the data entry form

Every data entry screen is similar to this with little variations.

By clicking this delete button, all Edit links will change to Delete links. Now you can delete any row

You can edit any filled row by clicking the edit link

Unlike other software, our business intelligence module automatically fill the form on behalf of you wherever possible !

In this case, you need to fill just three fields and press add button. Our software will fill the row having the same 'Ref Num' you have entered.
a) if that row has empty cells.
b) If not it will create new row with this data

Month* Apr Year* 2021 FIND

Apr 2021

DELETE	Customer	Product	Qty	NeededOn	Ref Num
Edit	Cus3	PD3			3
Edit	Cus3	PD2			4
Edit	Cus3	PD1			5
Edit	Cus4	PD3			8
Edit	Cus1	PD1	7000.00	07/04/2021	1
Edit	Cus2	PD2	5000.00	03/04/2021	2
Edit	Cus1	PD2	12000.00	08/04/2021	6
Edit	Cus1	PD2	6000.00	16/04/2021	6
Edit	Cus4	PD4	9000.00	21/04/2021	7
Edit	Cus5	PD1	5000.00	16/04/2021	9

ADD Qty Needed On Ref Num

Using Demo Site

- ✓ Every data entry screens are similar to the previous slide with little variations as per need of that screen.
- ✓ You can fixup suitable time with us and we will guide you how to operate it and show full on-line demo, right from order forecast, order entry, production planning etc till despatch.
- ✓ Once learned, You can operate the entire software, feed data and generate reports in our demo site itself for exploring / Learning / Practicing for any number of days. It will give you confidence and show how easy it is!
- ✓ No need of any commitment to buy.
- ✓ The limitations of using demo software are -
 1. *Somebody else who want to try can also see these records , update or delete them.*
 2. *You can use only our customer list, product list and RM list and can't enter your customer, product etc*
 3. *All your data will be lost after few days.*

Moving Forward...

- ✓ If you are interested, we can create a separate database in our cloud server exclusively for you and provide you with login credentials. You need to pay just Rs.2000/month as long as you want to use it. This will give you an opportunity to use it as trial before buying. Totally Risk free !
- ✓ After using for a month or two, If you are fully satisfied with our software you can opt for any one of the options below,

You can continue to use it from our cloud server itself. You need to pay us Rs 25,000/year for 3 users login. Every additional user login will cost you Rs.1000/year. You can go for any number of logins as needed for you. More logins will cost you less per login.

[OR]

You can purchase the software by paying Rs.1,00,000 per installation. (one time payment)
We can install the software in your computer.

- ✓ We can also do customization if you need any, exclusively for you at extra cost. It need not be while buying, but also anytime in future after years !

Benefits for going to Our Cloud Server

No investment for you on server, its repair, maintenance and replacement.



No need to employ a person to maintain the server and also the AMC cost gets saved !



You can access the data from your Computer/Mobile 24x7 from anywhere which wont be possible if the software is installed on local machine.



No need to invest for software for every site and can use the same software for all sites.



No need to worry about taking backup of your data regularly since it will be taken care of us !



Offices at multiple locations will be greatly benefited if the software is hosted in cloud server as accessing the data becomes very easier.

For more information please get in touch with us,



- ❖ Mobile : 900-3930-729 (J.Shanmugam)
- ❖ Email : issconnect@gmail.com
- ❖ Website : www.viewiss.com

My Short profile

Name: J Shanmugam, Electrical Engr with MBA in Operations Mgmt.
PG Diploma in Finance Mgmt.

Industries Exposed: 30 Years Experience - Worked in Steel, Cement, Engineering, Textile, Heavy Chemicals and Plastics. Retired as Sr. Vice President (Operations) from 500cr turnover company, managed 3 sites across the country along with corporate sourcing.

Areas Handled: Operations Mgmt., Budget Control, Projects Mgmt., Sourcing mgmt., Human Resource mgmt.

Current Activities: Consultancy, Software Development

Consultancies Done: TPM consultancy to JK Pharma, Cuddalore
TPM consultancy to Thirumalai Chemicals, Ranipet.
Power factor improvement in AT&S, Mysore.
Project Mgmt. in Kingfa Science & Tech., Pune.

Papers Published/ Presented

- Computerized Maintenance Management System.
- Energy Conservation by optimizing cables.
- 5S Implementation.
- Power Factor improvement design.

Training/Guest Lecturers

- Advanced Maintenance Management – 1 week residential program in Neyveli Lignite Corporation (NLC) for their executives.
- Change Management – For senior managers in NLC.
- Change Management, TPM in JK Pharma.
- Visual Control of TPM - Asian Paints .
- Power Factor Improvement - AT&S, Mysore.
- Business Management for Engineering colleges.

Paper Presentation – Computer's Role in MMS



ARTICLE

Role of Computer in Maintenance Management

J Shanmugam, Tanfac Industries Ltd, Cuddalore

1. Introduction

Business today has entered into an entirely new era of competition from multi-nationals due to the country's new policies of opening the economy to the rest of the world, liberalisation of business policies, removal of protection to Indian companies on one hand and international activities like WTO forcing countries towards global business regulations on the other hand.

Countries in the world become more dependent on each other immaterial of whether they are developed or developing one, although the developed countries have better leverage. This means, today, any country has left with little flexibility to deviate from international business in terms of policies and strategies.

The information technology has grown to the extent that without computer, no business organisation can survive today

Thanks to Science and Technology which has contributed to the enormous growth in the area of Communications and Transport which in turn fueled the above activities. The information technology has grown to the extent that without computer, no business organisation can survive today. Therefore, it is wise to effectively use computers even in the areas where they are not conventionally used. One such area is "MAINTENANCE MANAGEMENT" in industries. This article aims to expose the crucial role that a computer can play in Maintenance Management.

2. Implication to Developing Countries

This business environment of today generates few implications to developing countries with positive as well as negative impacts.

3. Positive Impacts

- Opportunities for an organisation with high competence due to the liberalisation by government. (eg. even small organisations have shown high growth).
- Opportunity for quantum jump into latest technology which means reduced cost and improved quality.
- Opportunity to go for world size plant to reduce the cost through more and more automation with high technology to compete easily in the international market (eg. Reliance Petrochemicals)
- Opportunity to utilise cheaper human resource (eg. Software industries).

Handwritten: 4/10/98 Mr. Shanmugam

Handwritten: Ho / For Major. rdy.

Handwritten: FAX TRANSMISSION 30/10

Handwritten: e. Mr. Shanmugam

TO	SHRI M. H. UPADHYAYAJI JT. PRESIDENT TANFAC, CUDDALORE 04142 - 39007/ 39008	FROM	K. G. ASWANI EXECUTIVE PRESIDENT CTC - VADODARA 0091 - 0255 - 313 427
FAX IF PAGES	1 INCLUDING THIS PAGE	FAX DATE	OCTOBER 28 1998

SUB: A TECHNICAL PAPER AND AN ARTICLE PRESENTED BY MR. J. SHANMUGAM

REF: LETTER 2491 DATED 5TH OCTOBER

WE ARE IN RECEIPT OF A TECHNICAL PAPER AND AN ARTICLE PUBLISHED BY MR. J. SHANMUGAM AND THANK YOU FOR THE SAME. BOTH THE PAPERS ARE THOUGHT PROVOKING AND HIGHLY RELEVANT IN TODAY'S CONTEXT. WE WILL CIRCULATE CONTENTS OF THESE PAPERS TO CONCERNED GROUP UNITS.

MANY OF OUR GROUP UNITS ARE IN PROCESS OF COMPUTERISING THEIR MAINTENANCE FUNCTION AND WE WOULD LIKE TO KNOW IF MR. J. SHANMUGAM'S EXPERTISE CAN BE MADE AVAILABLE TO THEM UPON REQUEST.

REGARDS,

Handwritten signature: K. G. ASWANI

Handwritten: Please ignore our message abt 28.10.1998 sent earlier. Error is rectified.

Paper Presentation – Power Factor Improvement

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http://www.atpcb.com

6th August 1999

Mr. J. Shanmugam
Sr. Manager (Operations)
Hydro S&S Industries Limited
Padukkottai
Tamilnadu – 622002.

Dear Mr. Shanmugam,

Ref : Your publication with electrical engineering update ISSN 0971-5479 May-June 1999 Vol-7 No.3 Page 52-57.
Sub : POWER FACTOR IMPROVEMENT – NEEDS, STRATEGIES AND BENEFITS.

Your total database detailed project information could give us a strength to pick up the dropped project during 1996.

You could throw total light into this subject in presenting the case to top management and execution with precaution.

Subject seems to be dry, common but generally people try to neglect. Your total information could give us such a courage to us that we would like to execute the project with your novel, detailed, deep study and steps.

As generally, said, education is for actions but not for knowledge. Kindly help us to execute the same project in our plant in case of requirement. We would like to contact you. Hoping to receive the support from your end.

With all above informations I invite you to our plant to present the subject to Nanjangud Industrial Area people.

Hope to receive a favourable reply from your end.

We await for your reply.

Best Regards,

B.K. Sudhar Naik

Mr. J. Shanmugam
Manager (E&I)
Tanfac Industries Ltd.,
14 SIPCOT Indl. Complex
Cuddalore - 607 005
Tamil Nadu

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Private Limited

128, Explorade Mansion, Fire Floor,
144, M.G. Road, Mumbai - 401 001 (INDIA)
Phones : 2825524 + 2821578
Fax : (91-22) 2825295

Ref : HT/9/REM/98
Date : 1/12/98

Dear Mr. Shanmugam,

It was nice of you to have sent us a paper on

"Cost optimisation through ... sizing"


to **Engineering Advances**. This was carried in Oct. '98 Issue, a copy of which has been sent you separately.

In appreciation of your contribution, we take pleasure in enclosing a nominal honorarium.

Please do continue to send such contributions. They are sure to enrich this magazine.

Best wishes,

Yours sincerely
For **ENGINEERING ADVANCES**



P.K. Balasubramanian
Managing Director & Chief Editor

Encl : * Cheque No. 252296 dated 1-12-98 for
Rs. 1,000/- drawn on The Lakshmi Vilas Bank Ltd.

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ELECTRICAL ENGINEERING
UPDATE

innovative solutions

Engineering

Paper Presentation – 5S



ARTICLE



5S - The Effective Tool to Improve the Work Place

J Shanmugam
Hydro S & S Industries Ltd, Tamil Nadu

Introduction

The concept of 5S traces its home to Japan where it revolutionised the industries, before the world came to know about it. To introduce in general, it is a micro management concept of work place to transform the shop floor to Living Room Factories, Clean Room Facilities, etc. In another angle, it is a behavioral science to systemise/discipline individual behavior in the shop floor.

Today, organizations whether they are in developed countries or in developing countries start understanding the need for 5S and its longterm impact on bottom lines of organizations.

The aim of this article is not to explain what is 5S in detail as many of the readers know about it, but to impress some of the critical aspects of it and to share few practical implementation aspects.

Definition

To define the 5S in simple words, it is organizing the work place, keeping it neat and clean, standardizing for easy maintenance of work place and developing self discipline among the people to sustaining these activities by themselves.

Let us now look in to the Goals, approaches and Benefits of 5S.

The 1st S - SEIRI (Organising)

The Meaning and Goal

SEIRI is a Japanese word which means Organising. This is the first step of 5S implementation. Its essential goals are to

- Discard all unwanted/unnecessary items and
- Deal with sources/generation of the unwanted items with the aim to eliminate them at the point of generation/source itself.

The Benefits

- Extra space.
- Easy identification of required material.
- Facilitates for better arrangement and organised look.
- Saves time, cost and space in maintaining unwanted items.
- Forces us to focus and act on generation of unwanted items.

Typical Activities

As explained earlier, the aim of 1st 'S' is in two folds. While the primary aim is to remove unnecessary items, the secondary aim is to control their generation. Therefore, the activities in '1S' should meet these aims. The typical activities are:

- Removing things that you do not need.
- Carrying out House cleaning.

- Organising the Workplace.
- Studying the source of each and every Unwanted to reduce their generation.

Potential Locations for 1st S

Over a period of implementation experiences of 5S, there are potential areas to look for unnecessary which we normally never look at. To help the implementers to train eyes in these areas, few typical locations are given hereunder:

- Shelves and lockers.
- Work bench area and machine surroundings.
- Besides pillars, under stairs.
- Partitions, pits and floors.
- Store houses and sheds.
- Walls, roof corners, roofs.
- Notice boards.

How to Sortify

Unwanted item passes various stages based on their aging before becoming unwanted. Hence we need to adopt an effective strategy in sortification of unwanted so that it will be easy to handle them in future and to use them in between if needed. A sample strategy is given below:

Group	Frequency of use	Sortifying strategy
1.	More than 2 years	Discard
2.	6 Months to 2 years	Store at remote place
3.	3 months to 6 months	Store in a central place near worksite
4.	Less than 3 months	Close to the work place for easy access and handling

This approach facilitates for easy shifting of items from group 4 to 3, 3 to 2 and 2 to 1 without further analysis after the passage

ENERGY MANAGEMENT CELL



Confederation of Indian Industry

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Website : www.energyefficiency-cii.com

K VASUDEVAN

Chairman

Energy & Power Sub-Committee, CII (SR)

18th December, 2000

Dear Mr. Shanmugam,

NATIONAL SEMINAR ON "MOTORS"

I am writing to thank you for your participation at the National Seminar on Motors held at Chennai on 30th November and 1st December, 2000.

Your presentation on "Computerised Maintenance Management System" was excellent and very much appreciated by the delegates. Kindly accept my compliments on the excellent presentation.

Judging by the feedback from participants, the seminar was an extremely well received event.

Thank you once again for being a part of the National Seminar. Your contribution has helped to make this Seminar a grand success.

With kind regards,

Yours sincerely

K. Vasudevan
K VASUDEVAN

Mr J Shanmugam

DGM - Maint.

Hydro S & S Industries Limited

Plot No. 15C

Sipcot Industrial Complex

Pudukkottai - 622 002

cc: V.P(O) for info
D(F) } ph
B

Mr. J. Shanmugam
Sm(O)
Congrats. Wish you
many more accolades
K. Subramanian
Gm(W)

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Paper Presentation – Cost Optimization

