



Overview

The PTL Material Flow System is a digital solution developed to enhance and oversee the movement of materials within an organization. It features five specialized portals, each dedicated to a unique phase of the material management process. For instance, the Receiver Portal facilitates the registration of new materials by capturing crucial details like Purchase Order, Invoice, and Docket Numbers, ensuring clear documentation and traceability at every stage.

Portal Breakdown

1. Receiver Portal

Registers incoming materials (with PO, invoice, docket, gate pass, vendor info, and type), assigns handlers, generates OTPs and verification, and tracks status.

2. Handler Portal

Generates OTPs and verification , allocates materials to end users, coordinates transfers, manages OTPs, and updates statuses.

3. End User Portal

Collects materials (using OTP), performs quality checks, accepts or rejects items, manages quantities, submits feedback, and allows team leads to monitor assigned items.

4. Admin Portal

Manages users, master data, oversees system activity, generates reports, and maintains audit trails.

5. Dashboard Portal

Provides real-time visualization of material flow and plant-wise analytics.

Security & Access Control

Role-based access, multi-factor authentication (OTP), session management, and thorough audit trails.

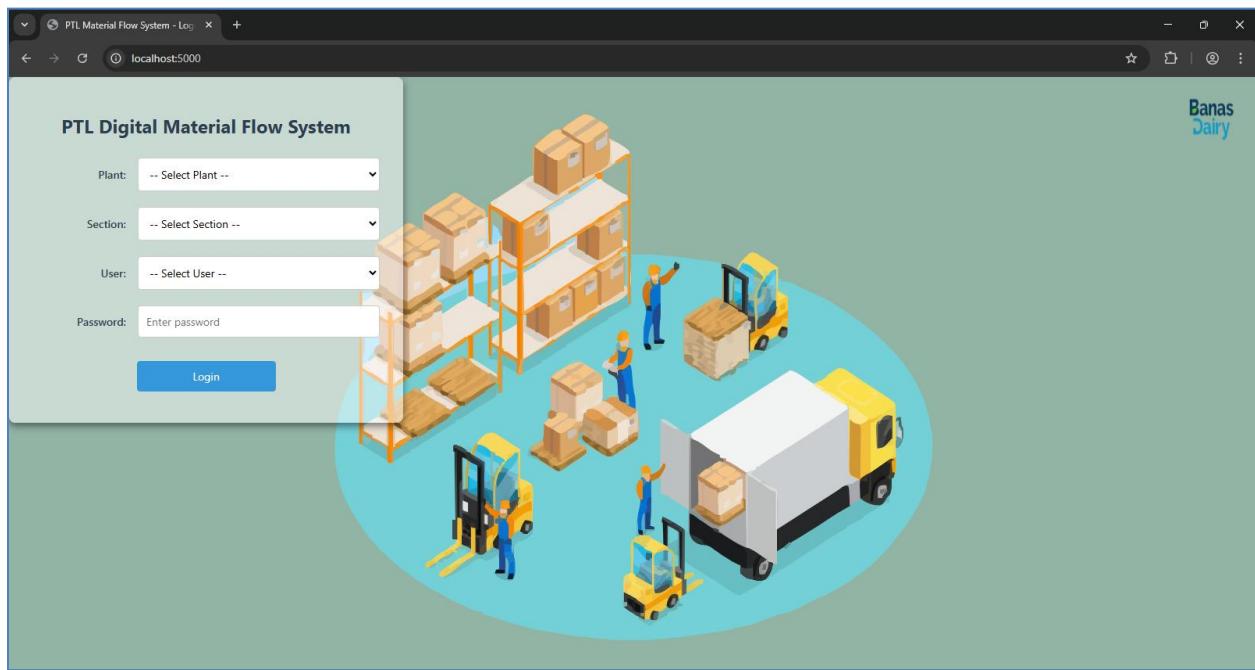
Benefits

- Transparency: Live material tracking
- Accountability: Defined responsibilities
- Efficiency: Streamlined processes
- Traceability: Complete audit history
- Analytics: Actionable insights

Materials are monitored from entry to final use, ensuring secure and efficient handling at every stage.



Main Login Portal



The main login page contains the plant, section and user dropdown buttons and the password text field to login.



Receiver Portal

Receiver Portal

Material Entry OTP Verification Pending Physical Handover Change Password

Date:	10/27/2025	□
Is PO Available:	Yes	▼
PO Number:	01	
Import Material:	Yes	▼
Free of Cost:	Yes	▼
BOE Number:	78	
Country of Origin:	India	
Custom House Agent (CHA):	try	
Type of Material:	New	▼
Is Invoice Available:	Yes	▼
Invoice No.:	67	
Is Docket Available:	No	▼
Vendor:	Maruti	
Courier:	DIAMOND	▼
Unit of Measurement:	EA	▼
Over Dimensional Consignment (ODC):	Yes	▼
Section:	Systems	▼
Material Handler:	15004411_HN_Korot_Tools	▼
Number of Parcels/Box:	5	

Submit Material **Clear**

The material entry section contains details of all the products that are received at the store.



Hello, Pilat Devjibhai Rupjibhai!

Logout

Receiver Portal

Material Entry OTP Verification Pending Physical Handover Change Password

Verify OTP from Handler

Handler:	<input type="text" value="15004411_HN_Korot_Tools"/>
Identifier Type:	<input type="text" value="PO No"/>
PO No	<input type="text" value="15"/>
OTP:	<input type="text" value="667159"/>

The OTP verification section contains the details that are to be filled by the Receiver(s) and OTP to be given by the handler to the receiver.



Handler Portal

Hello, 15003504_CM Patel_Machine Spare Bana Logout

Handler Portal

[Fetch Assigned Materials](#) [Submit to End User](#) [OTP Verification](#) [Pending Physical Receipt](#) [Pending UAT](#) [UAT Status](#) [Change Password](#)

All Assigned Materials

All assigned materials fetched successfully

PO No: N/A
Invoice No: 16
Docket No: N/A
Gate Pass: N/A
Vendor: saf
Courier: GATI COURIER
Section: Systems
Handler: 15003504_CM Patel_Machine Spare Banas 2
OTP: 255199
Status: withReceiver
Assigned at: 27/10/2025, 15:11:15
Plant Code: BM01

The handler portal contains Fetch assigned materials section which displays all the details of the pending materials which the handler needs to collect from the receiver.



Hello, 15003504_CM Patel_Machine Spare Banas 2!

[Logout](#)

Handler Portal

[Fetch Assigned Materials](#) [Submit to End User](#) [OTP Verification](#) [Pending Physical Receipt](#) [Pending UAT](#) [UAT Status](#) [Change Password](#)

Submit to End User

Identifier Type: PO No

PO No: 12

Section: Systems

End User: Dilip T Bhedaru

Material Code: 1

Material Description: computer

Quantity Received: 3

Material Code: 2

Material Description: GPU

Quantity Received: 2

[Remove](#)

[+ Add Item](#)

[Submit to End User](#)

[Clear](#)

The submit to end user section contains the details which the handler needs to enter according to the products and also enter the end user name (section wise).



Hello, 15003504_CM Patel_Machine Spare Banas 2!

[Logout](#)

Handler Portal

[Fetch Assigned Materials](#) [Submit to End User](#) [OTP Verification](#) [Pending Physical Receipt](#) [Pending UAT](#) [UAT Status](#) [Change Password](#)

Verify OTP from End User

Identifier Type:

Identifier Value:

Section:

End User:

OTP:

[Verify OTP](#)

The OTP verification section is similar to the Receiver OTP verification. The handler needs to enter all the details and the OTP from the handler in order to transfer the materials to the End User.



Hello, 15003504_CM Patel_Machine Spare Banas 2!

[Logout](#)

Handler Portal

[Fetch Assigned Materials](#) [Submit to End User](#) [OTP Verification](#) [Pending Physical Receipt](#) [Pending UAT](#) [UAT Status](#) [Change Password](#)

Pending Physical Receipt

Pending physical receipts fetched successfully

End User Name	PO	Invoice	Docket	Gatepass	Material Code	Material Description	Assigned at
Dilip T Bhedaru	13	13	13	N/A	1	comp-1	16/10/2025, 15:20
Dilip T Bhedaru	13	13	13	N/A	2	comp - 2	16/10/2025, 15:20

The Pending Physical Receipt section contains the details of the materials that are assigned by the handler along with the End user name.



Hello, 15003504_CM Patel_Machine Spare Banas 2!

[Logout](#)

Handler Portal

[Fetch Assigned Materials](#) [Submit to End User](#) [OTP Verification](#) [Pending Physical Receipt](#) [Pending UAT](#) [UAT Status](#) [Change Password](#)

Pending UAT

Pending UAT materials fetched successfully

End User Name	PO	Invoice	Docket	Gatepass	Material Code	Material Description	Delivered on
Dilip T Bhedaru	N/A	2	2	N/A	1	comp - 1	09/10/2025, 12:12
Dilip T Bhedaru	N/A	5	N/A	N/A	1	comp - 1	10/10/2025, 16:32
Dilip T Bhedaru	12	12	12	N/A	2	comp - 2	16/10/2025, 14:36
Dilip T Bhedaru	N/A	2	2	N/A	2	comp - 2	09/10/2025, 12:12
Dilip T Bhedaru	N/A	5	N/A	N/A	2	Headphones	10/10/2025, 16:32
Dilip T Bhedaru	N/A	5	N/A	N/A	3	Speakers	10/10/2025, 16:32

The Pending UAT section contains the details of the materials along with the end users name which are accepted (OTP verified) by the end user, but the approval or rejection is not yet done.



Hello, 15003504_CM Patel_Machine Spare Banas 2!

Logout

Handler Portal

Fetch Assigned Materials Submit to End User OTP Verification Pending Physical Receipt Pending UAT **UAT Status** Change Password

UAT Status

UAT status fetched successfully

PO No	Invoice No	Gate Pass	Docket No	Material Code	Material Description	Quantity Received	Quantity Rejected	Quantity Accepted	Acceptance Status	Rejection Reason	End User	Section	Done at
14	14	N/A	14	2	comp - 2	1	0	1	approved	N/A	Dilip T Bhedaru	Systems	17/10/2025, 10:11 am
14	14	N/A	14	1	comp - 1	3	2	1	partially_accepted	not good	Dilip T Bhedaru	Systems	17/10/2025, 10:11 am
14	14	N/A	14	3	comp - 3	1	0	1	approved	N/A	Dilip T Bhedaru	Systems	17/10/2025, 10:11 am
12	12	N/A	12	1	comp - 1	3	1	2	partially_accepted	not good	Dilip T Bhedaru	Systems	16/10/2025, 02:38 pm
N/A	5	N/A	N/A	3	Speakers	1	0	1	approved	N/A	Dilip T Bhedaru	Systems	N/A
N/A	5	N/A	N/A	1	comp - 1	2	0	2	approved	N/A	Dilip T Bhedaru	Systems	N/A
N/A	5	N/A	N/A	2	Headphones	2	0	2	approved	N/A	Dilip T Bhedaru	Systems	N/A
N/A	2	N/A	2	1	comp - 1	3	0	3	approved	N/A	Dilip T Bhedaru	Systems	N/A
N/A	2	N/A	2	2	comp - 2	2	2	0	rejected	not good quality	Dilip T Bhedaru	Systems	N/A

In the UAT (User Acceptance Testing) Status section, the End users actions are reflected for example whether the product is approved or rejected or partially approved.



End User Portal

End User Portal

[Logout](#)

[View Materials](#) [Approve/Reject Materials](#) [Team Pending Materials](#) [UAT Pending](#) [Change Password](#)

All Assigned Materials

Date: 09-10-2025
PO No: 3
Invoice No: 3
Docket No: 3
Gate Pass: N/A
Section: Systems
Handler: 15003455_BH Patel_Packing
OTP: **918500**
Status: assigned
Items:

- Material Code: 4, Material Description: comp - 4

The view materials section contains the details of all the products that are assigned to the End user by the Handler along with the OTP.



Hello, Dilip T Bhedaru!

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End User Portal

[View Materials](#)

[Approve/Reject Materials](#)

[Team Pending Materials](#)

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Approve/Reject Materials

Pending Materials

Identifier Type	Identifier Value	Section	View Details
invoice_no	15	Systems	View Details
invoice_no	500	Systems	View Details
po_no	12	Systems	View Details

Fetch Materials Manually

Identifier Type:

Identifier Value:

[Fetch Items](#)

The Approve/Reject Materials section contains the Materials that the End user has collected from the handler. This section provides the End User to accept or reject or partially accept the products that were assigned.



Hello, Kalpesh F Chaudhary!

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End User Portal

[View Materials](#)

[Approve/Reject Materials](#)

[Team Pending Materials](#)

[UAT Pending](#)

[Change Password](#)

Team Pending Materials

[Export Log](#)

Identifier Type	Identifier Value	End User	Action
docket_no	13	Dilip T Bhedaru (Dilip T Bhedaru)	View Details
docket_no	3	Dilip T Bhedaru (Dilip T Bhedaru)	View Details

The Team Pending material section allows the Team Leader to view the Pending materials of the Team members that are not yet collected.



Hello, Kalpesh F Chaudhary!

Logout

End User Portal

[View Materials](#)

[Approve/Reject Materials](#)

[Team Pending Materials](#)

[UAT Pending](#)

[Change Password](#)

UAT Pending Materials

End User Name	PO	Invoice	Docket	Gatepass	Material Code	Material Description	Received at
Dilip T Bhedaru	1	1	N/A	N/A	1	comp - 1	09/10/2025, 12:05
Dilip T Bhedaru	500	500	500	N/A	1	comp - 1	15/10/2025, 11:08
Dilip T Bhedaru	6	6	6	N/A	1	comp - 1	11/10/2025, 13:01
Dilip T Bhedaru	N/A	15	N/A	N/A	1	comp - 1	27/10/2025, 15:05
Dilip T Bhedaru	N/A	2	2	N/A	1	comp - 1	09/10/2025, 12:12
Dilip T Bhedaru	N/A	5	N/A	N/A	1	comp - 1	10/10/2025, 16:32
Dilip T Bhedaru	N/A	500	N/A	N/A	1	comp - 1	27/10/2025, 12:23
Dilip T Bhedaru	1	1	N/A	N/A	2	comp - 2	09/10/2025, 12:05
Dilip T Bhedaru	12	12	12	N/A	2	comp - 2	16/10/2025, 14:36
Dilip T Bhedaru	500	500	500	N/A	2	comp - 2	15/10/2025, 11:08
Dilip T Bhedaru	6	6	6	N/A	2	laptop	11/10/2025, 13:01
Dilip T Bhedaru	N/A	2	2	N/A	2	comp - 2	09/10/2025, 12:12
Dilip T Bhedaru	N/A	5	N/A	N/A	2	Headphones	10/10/2025, 16:32
Dilip T Bhedaru	N/A	500	N/A	N/A	2	comp - 2	27/10/2025, 12:23
Dilip T Bhedaru	N/A	5	N/A	N/A	3	Speakers	10/10/2025, 16:32
Hansa R Chaudhary	4	4	4	N/A	1	computer	10/10/2025, 15:56

The UAT (User Acceptance Testing) Pending section allows the Team Leader to view the details of the products that are collected by the End User of their Team and are not yet Accepted or Rejected or partially accepted by the End Users.



Dashboard Portal

Handler	Total Pendingy	09-10-25	10-10-25	11-10-25	13-10-25	14-10-25	15-10-25	16-10-25
DP Kuniya_General	0	0	0	0	0	0	0	0
RS Patel_Valve	0	0	0	0	0	0	0	0
VK Patel_Chemicals	0	0	0	0	0	0	0	0
JD Pandya_Project-MM	0	0	0	0	0	0	0	0
DR Pilat_Lab and Pipe Material	0	0	0	0	0	0	0	0
BH Patel_Packing	0	0	0	0	0	0	0	0
CM Patel_Machine Spare Banas 2	0	0	0	0	0	0	0	0
KB Patel_Machine Spare Banas 1	0	0	0	0	0	0	0	0
HN Korot_Tools	0	0	0	0	0	0	0	0
RS Chaudhary_Stationary General	1	0	0	0	0	0	0	1
MK Dekaliya_Electrical	0	0	0	0	0	0	0	0
SB Chaudhary_Bearings Vbelts	0	0	0	0	0	0	0	0
PV Chibhadiya_Ghee Pscking	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0

The Dashboard contains the Pending materials that are to be collected by the Handlers from the Receiver. This contains the data of last 7 non-sunday days.