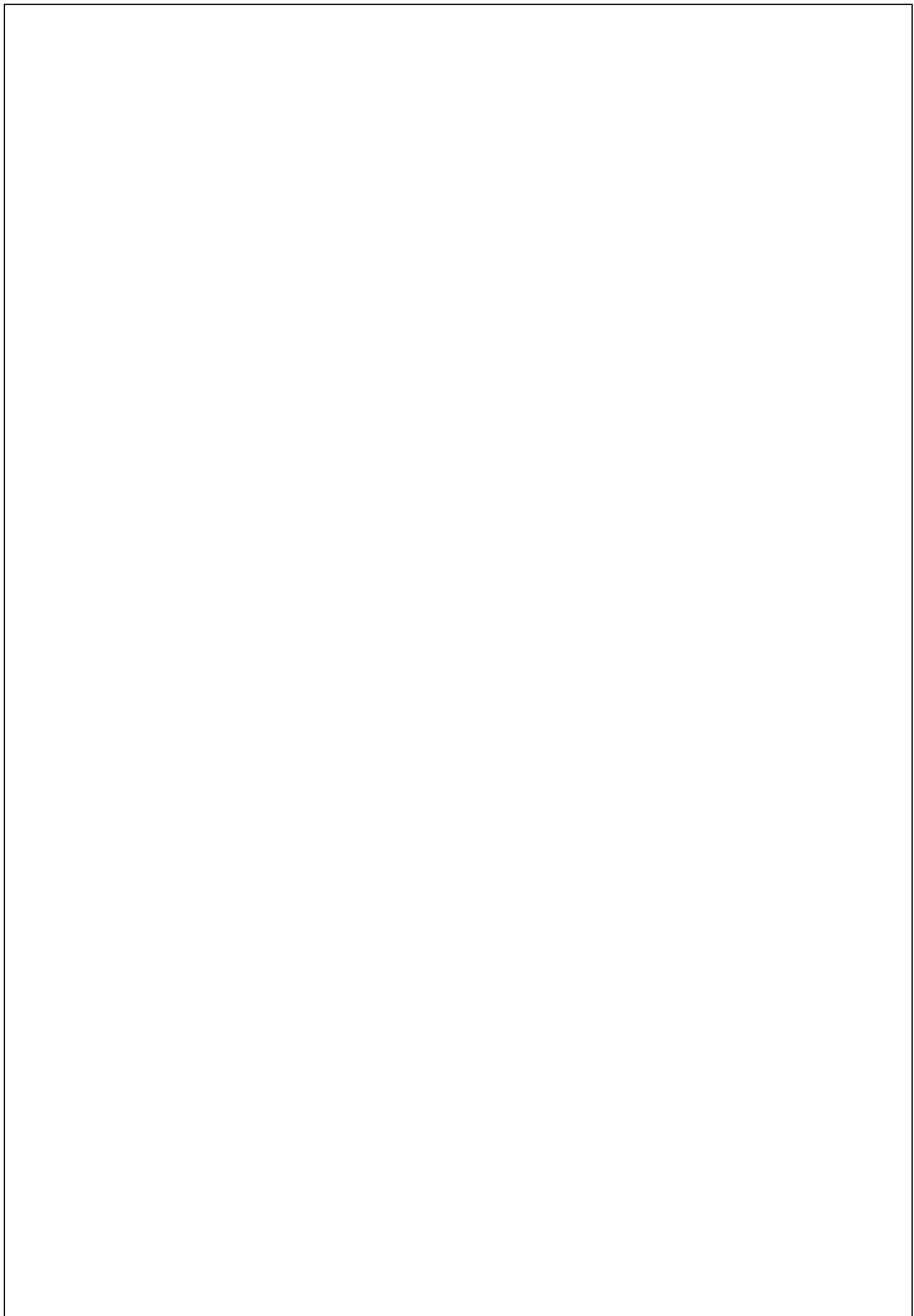


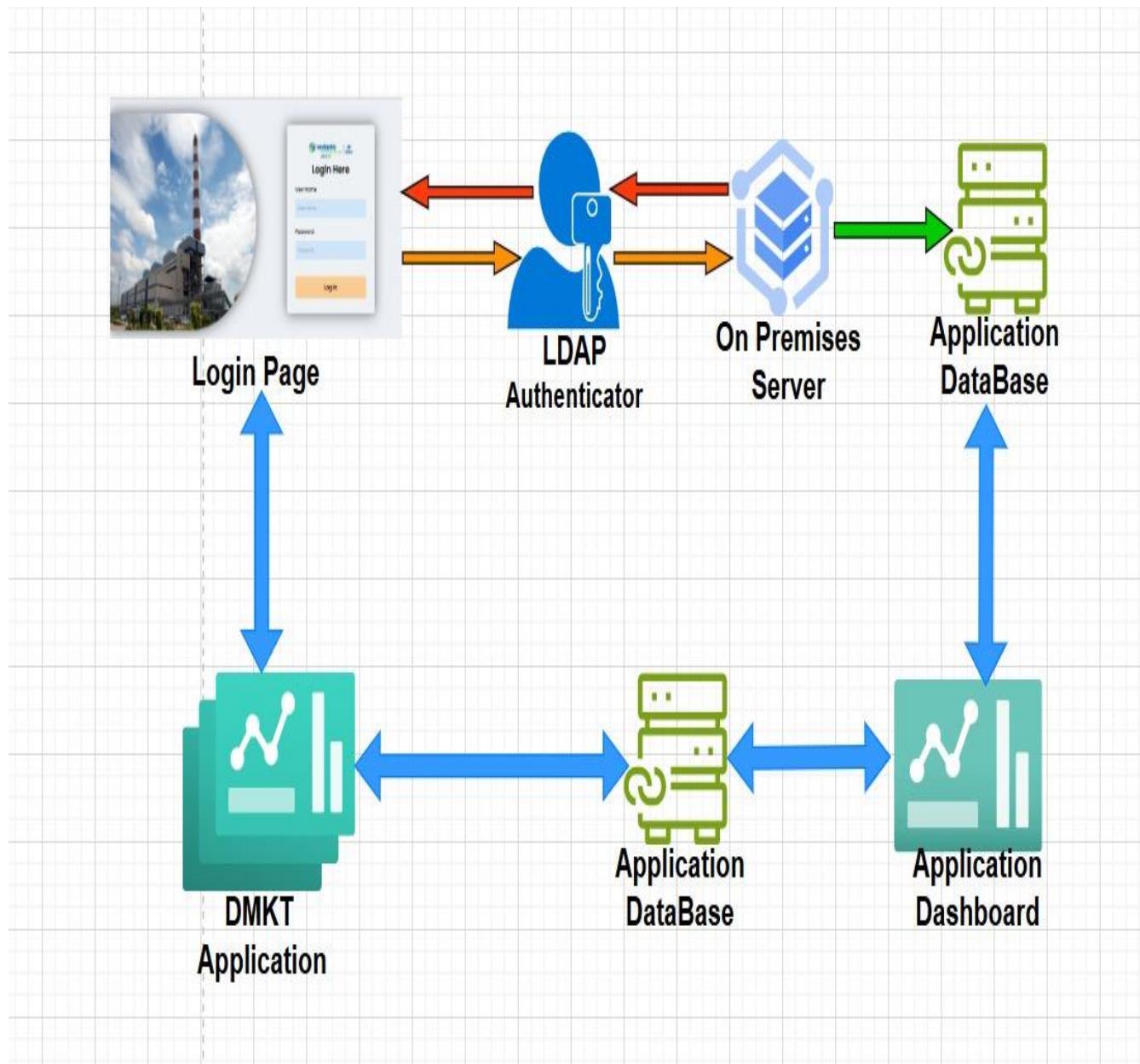
TABLE OF CONTENTS

- 01. SOFTWARE DEVELOPMENT LIFE CYCLE (SDLC)**
- 02. METHODOLOGY DESCRIPTION**
- 03. TECHNOLOGY DESCRIPTION**
- 04. ROLES DESCRIPTION**
 - 4.1. ADMIN**
 - 4.2. SUPER USER**
 - 4.3. USER**
 - 4.4. HOD**
 - 4.5. LIBRARIAN**

SOFTWARE DEVELOPMENT LIFE CYCLE (SDLC) FOR DM & KT APPLICATION



Application architecture diagram:



Methodology Description:

- **Agile Methodology used:**

Agile methodology is a modern approach to project management and software development that emphasizes flexibility, collaboration, and customer-centricity. It focuses on delivering value incrementally and adapting to changing requirements quickly. Agile is often used in software development, but it has also been adopted in other industries for managing projects effectively.

What is Agile?

Agile is a project management and software development approach that emphasizes **flexibility, collaboration, customer feedback, and iterative progress**. It enables teams to deliver value faster and adapt to changing requirements efficiently.

Key Principles of Agile:

1. **Individuals and interactions** over processes and tools.
2. **Working software** over comprehensive documentation.
3. **Customer collaboration** over contract negotiation.
4. **Responding to change** over following a plan.

Agile Frameworks & Methodologies

Agile is an umbrella term that includes different frameworks, such as:

- **Scrum** – Uses fixed-length iterations (Sprints) and roles like Scrum Master, Product Owner, and Development Team.
- **Kanban** – Visualizes workflow on a board and emphasizes continuous delivery.
- **Lean** – Focuses on eliminating waste and improving efficiency.
- **Extreme Programming (XP)** – Promotes engineering best practices like pair programming and continuous integration.
- **SAFE (Scaled Agile Framework)** – Designed for scaling Agile across large organizations.

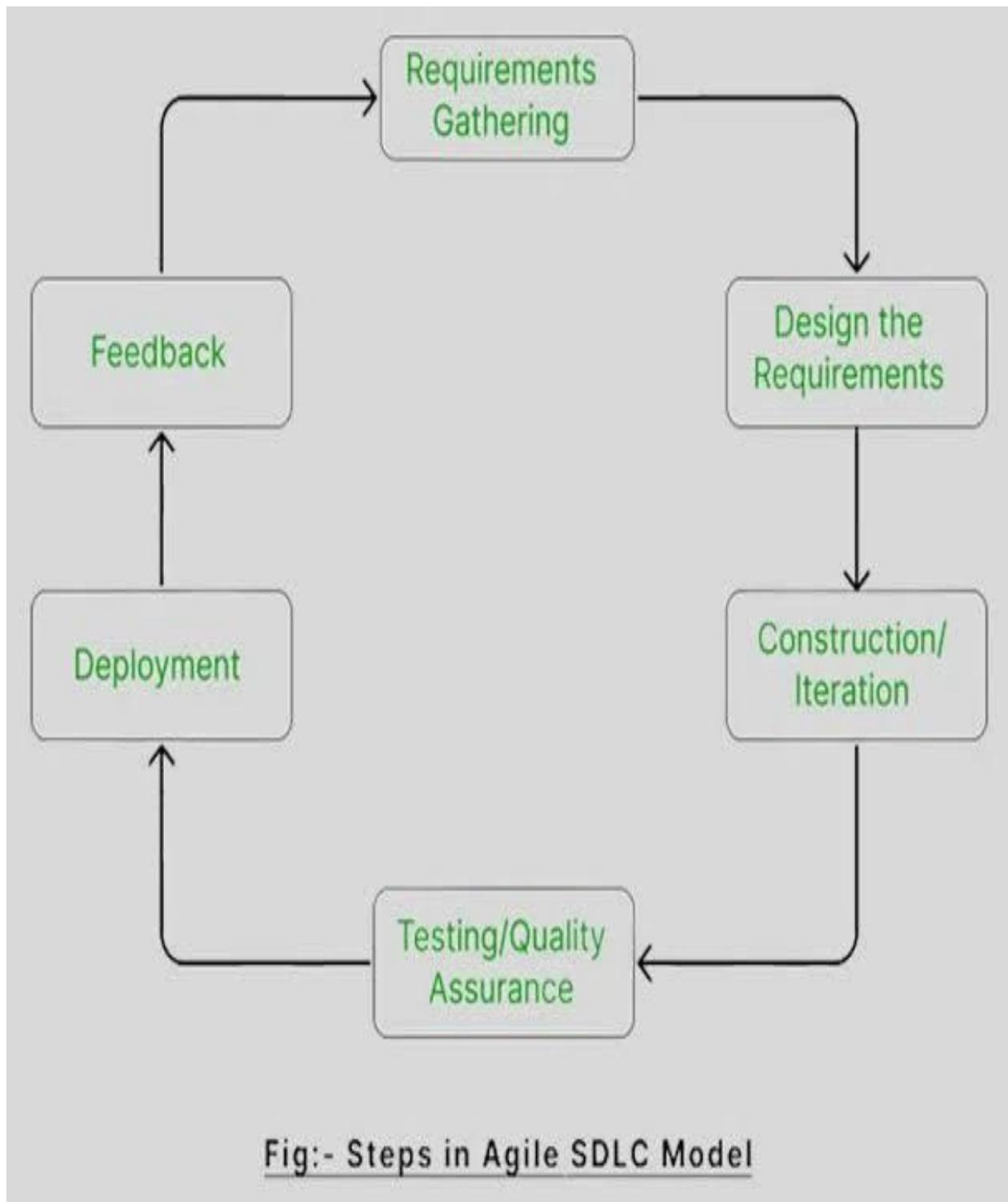
Agile Development Process

- 1. Concept & Planning** – Define high-level goals and priorities.
- 2. Iteration/Incremental Development** – Work in small, time-boxed iterations (Sprints).
- 3. Daily Stand-ups** – Short meetings to discuss progress, blockers, and next steps.
- 4. Continuous Testing & Integration** – Ensures software is always in a releasable state.
- 5. Review & Retrospective** – Gather feedback and improve processes.

Benefits of Agile

- Faster delivery of valuable features.
- Higher customer satisfaction through continuous feedback.
- Greater flexibility and adaptability to change.
- Improved collaboration and team morale.
- Higher quality due to continuous testing and iteration.

Agile methodology diagram:



Technology Used with version:

Front End Used:

- HTML 5.
- CSS 3.
- Angular js version - 17.1.0.

Back End Used:

- java 8

Database Used:

- MySQL 8.4

1. Admin:

Description:

- Admins can view the dashboard to monitor the number of document uploads, total active users, total active Hods, total departments and view documents within the main head hierarchy.
- Admins can manage users through the user management system, including creating departments and sub-areas from the "Add Departments" and "Add Sub-Area" sections.
- Additionally, Admins can add new Admins, Librarians, Super Users, Users, and Heads of Departments (HODs).

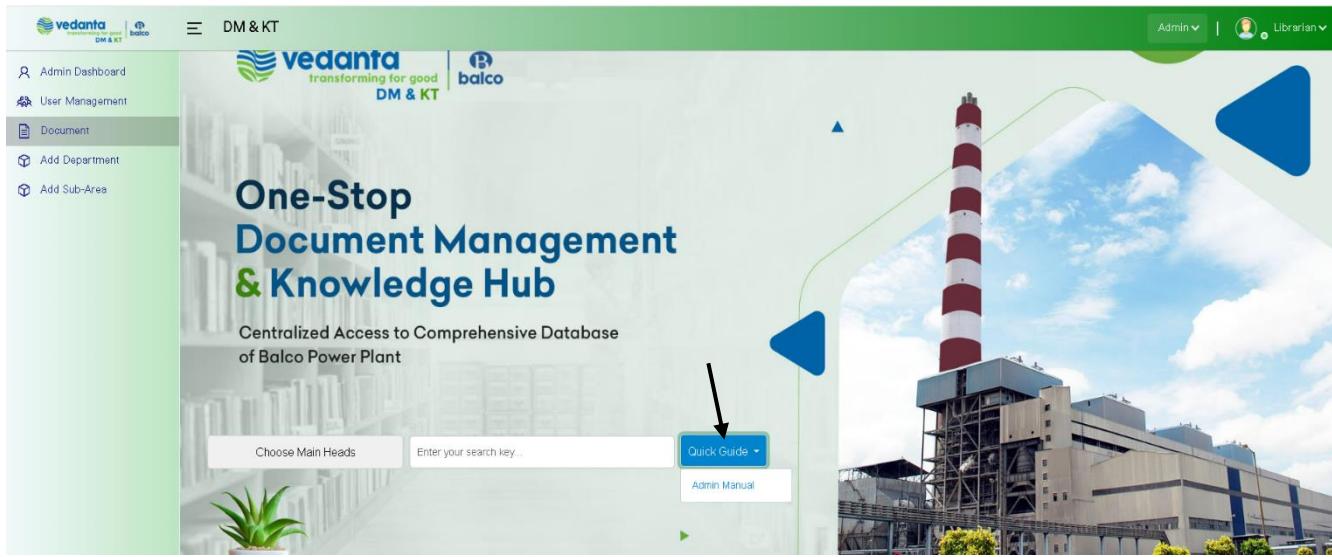


For Admin Login: Users have to provide Admin Login Credentials. Like.

ADMIN USERNAME/EMAIL:

ADMIN PASSWORD:

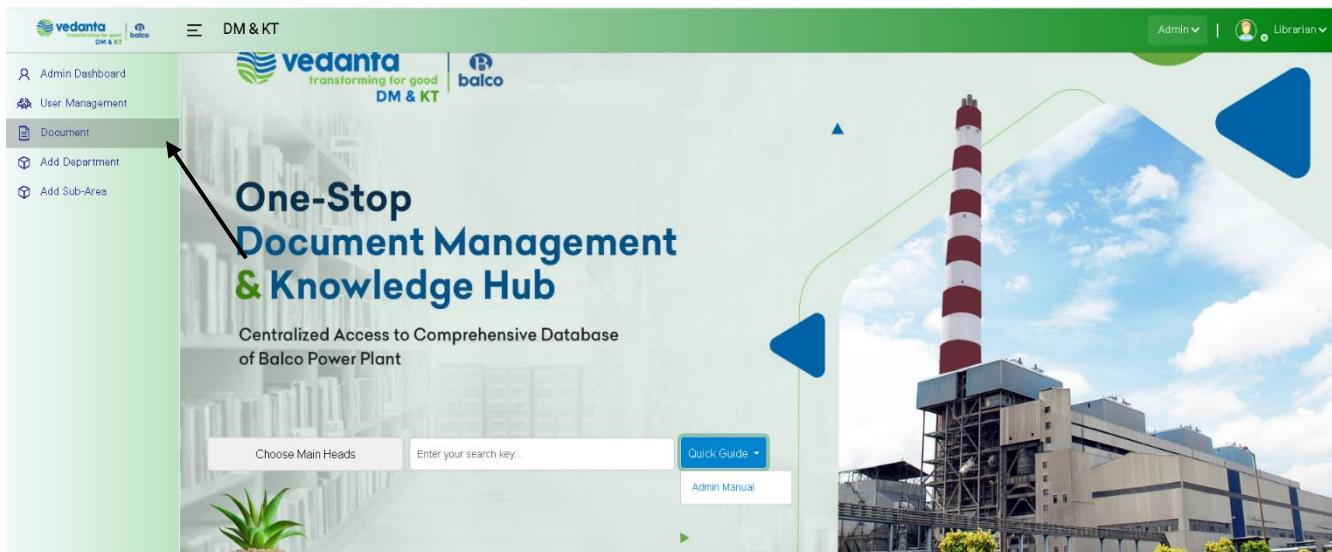
After entering the credentials, they should click on the login button to enter the application.



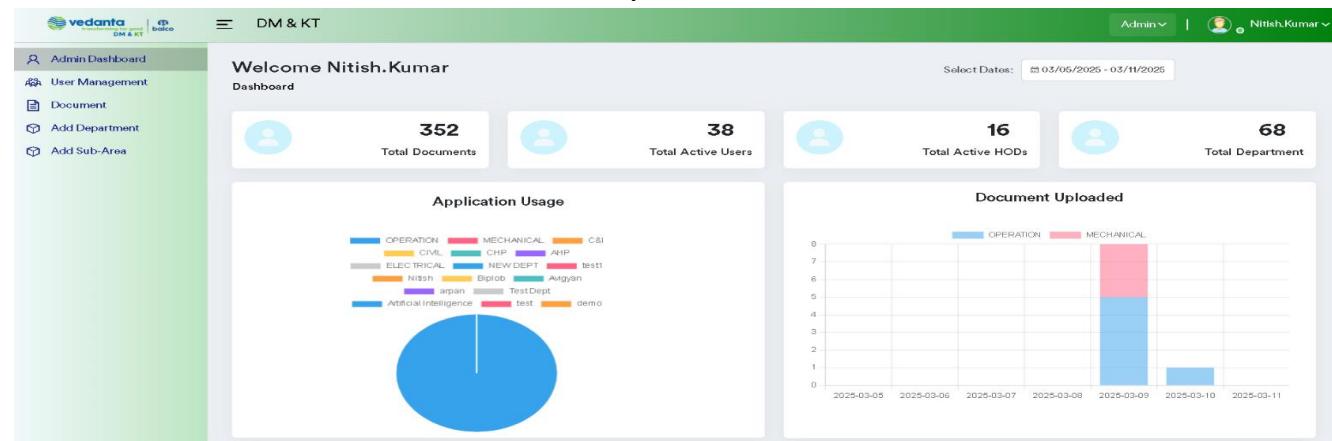
The application should look like this after logging in as an Admin. Here:

- This quick guide provides accurate descriptions for all roles. Clicking on this guide will open the respective guide for the corresponding roles.

1.1 Click on Admin Dashboard:



- Admin dashboard page will be opened where Admins can view the dashboard to monitor the number of Document Uploads, Total Documents, Total Active Users, Total Active Hods, Total Department.



Here:

- **Total Documents:** Displays the total number of documents uploaded.
- **Total Active Users:** Shows the number of currently active users.
- **Total Active HODs:** Represents the count of active HODs.
- **Total Departments:** Indicates the total number of departments using the application.

Application Usage Chart:

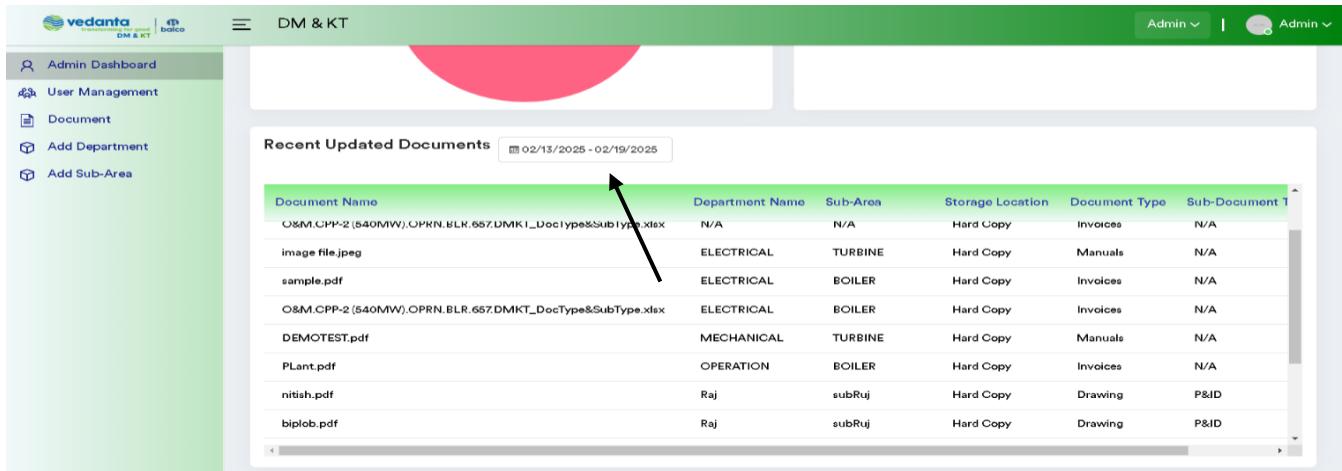
- Represents login activities across different departments.
- Helps track department-wise engagement.

Document Uploaded Graph:

- Displays the number of documents uploaded per department over a timeline.
- Helps in understanding document contribution trends.

Click on select dates:

- Allows filtering data based on a selected date range.
- Reflects how many documents were uploaded and how frequently the application was used during the selected period.



The screenshot shows the Admin Dashboard interface. On the left, there's a sidebar with links: Admin Dashboard, User Management, Document, Add Department, and Add Sub-Area. The main area has a green header bar with the text 'DM & KT'. Below it, a large red circular graphic is partially visible. The central part of the screen displays a table titled 'Recent Updated Documents' with a date range selector '02/13/2025 - 02/19/2025'. The table has columns: Document Name, Department Name, Sub-Area, Storage Location, Document Type, and Sub-Document T. The data in the table is as follows:

| Document Name | Department Name | Sub-Area | Storage Location | Document Type | Sub-Document T |
|--|-----------------|----------|------------------|---------------|----------------|
| O&M.CHP-2 (540MW).OPRN.BLK.657.DMKT_DocType&SubType.xlsx | N/A | N/A | Hard Copy | Invoices | N/A |
| image file.jpeg | ELECTRICAL | TURBINE | Hard Copy | Manuals | N/A |
| sample.pdf | ELECTRICAL | BOILER | Hard Copy | Invoices | N/A |
| O&M.CHP-2 (540MW).OPRN.BLR.657.DMKT_DocType&SubType.xlsx | ELECTRICAL | BOILER | Hard Copy | Invoices | N/A |
| DEMOTEST.pdf | MECHANICAL | TURBINE | Hard Copy | Manuals | N/A |
| PLant.pdf | OPERATION | BOILER | Hard Copy | Invoices | N/A |
| nitish.pdf | Raj | subRuj | Hard Copy | Drawing | P&ID |
| biplob.pdf | Raj | subRuj | Hard Copy | Drawing | P&ID |

- **Click on date picking section:** The admin can change the date, month, or year to search for a particular file or previously uploaded files. After clicking, the calendar will open, where the user can set the desired date, month, and year.

After clicking this button, the calendar will open like this. Here, the admin can filter specific dates.

Recent Updated Documents 02/25/2025 - 03/03/2025

| Document | February 2025 | | | | | | | | | | | | March 2025 | | | | | | | | | | | |
|------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|-----|----|--|--|--|--|--|--|--|--|--|
| | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | | | | | | | | | | |
| PI.674.pdf | 5 | 26 | 27 | 28 | 29 | 30 | 31 | 1 | 9 | 23 | 24 | 25 | 26 | 27 | 28 | | | | | | | | | |
| 100mb.pdf | 6 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | | | | | |
| sampled | 7 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 11 | 9 | 10 | 11 | 12 | 13 | 14 | | | | | | | | | |
| 100mb.pdf | 8 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 12 | 16 | 17 | 18 | 19 | 20 | 21 | | | | | | | | | |
| 100mb.pdf | 9 | 23 | 24 | 25 | 26 | 27 | 28 | 1 | 13 | 23 | 24 | 25 | 26 | 27 | 28 | | | | | | | | | |
| 100mb.pdf | 10 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 14 | 30 | 31 | 1 | 2 | 3 | 4 | | | | | | | | | |

- The admin can select the month by clicking on this button.

Recent Updated Documents 02/25/2025 - 03/03/2025

| Document | 2024 | | | | | | 2025 | | | | | | Location | | |
|------------|---------|----------|-----------|---------|----------|----------|---------|----------|-----------|---------|----------|----------|----------|-----|-----------|
| | January | February | March | April | May | June | January | February | March | April | May | June | N/A | N/A | Hard Copy |
| PI.674.pdf | July | August | September | October | November | December | July | August | September | October | November | December | | | |
| 100mb.pdf | October | November | December | | | | April | May | June | | | | | | |
| sampled | | | | | | | | | | | | | | | |
| 100mb.pdf | | | | | | | | | | | | | | | |
| 100mb.pdf | | | | | | | | | | | | | | | |
| 100mb.pdf | | | | | | | | | | | | | | | |
| 100mb.pdf | | | | | | | | | | | | | | | |

- Admin can select the year by clicking on this button.

Recent Updated Documents 02/25/2025 - 03/03/2025

| Document | 2018 - 2033 | | | | 2034 - 2049 | | | | Location | | |
|------------|-------------|------|------|------|-------------|------|------|------|----------|-----|-----------|
| | 2018 | 2019 | 2020 | 2021 | 2034 | 2035 | 2036 | 2037 | N/A | N/A | Hard Copy |
| PI.674.pdf | 2022 | 2023 | 2024 | 2025 | 2038 | 2039 | 2040 | 2041 | | | |
| 100mb.pdf | 2026 | 2027 | 2028 | 2029 | 2042 | 2043 | 2044 | 2045 | | | |
| sampled | 2030 | 2031 | 2032 | 2033 | 2046 | 2047 | 2048 | 2049 | | | |
| 100mb.pdf | | | | | | | | | | | |
| 100mb.pdf | | | | | | | | | | | |
| 100mb.pdf | | | | | | | | | | | |
| 100mb.pdf | | | | | | | | | | | |
| 100mb.pdf | | | | | | | | | | | |

- Here Admin can select the desired year.
- Click on download icon:** Admins can download and view the file by clicking on the download icon.

Recent Updated Documents [02/25/2025 - 03/03/20]

| Document Name | Department Name | Sub-Area | Storage Location | Document Type | Sub-Document Type | Action |
|------------------------------|-----------------|----------|------------------|---------------|-------------------|--------|
| sampledocs-50mb-xls-file.xls | N/A | N/A | Hard Copy | Records | N/A | |
| 100mb.pdf | N/A | N/A | Hard Copy | Records | N/A | |
| 100mb.pdf | N/A | N/A | Hard Copy | Contracts | N/A | |
| 100mb.pdf | N/A | N/A | Hard Copy | Reports | N/A | |
| 100mb.pdf | MECHANICAL | TURBINE | Hard Copy | Manuals | N/A | |
| 100mb.pdf | OPERATION | N/A | Hard Copy | LOGICS | N/A | |
| 100mb.pdf | ELECTRICAL | BOILER | Hard Copy | LOGICS | N/A | |
| 100mb.pdf | MECHANICAL | BOILER | Hard Copy | Manuals | N/A | |
| 100mb.pdf | OPERATION | BOILER | Hard Copy | Records | N/A | |

1.2. Click on Add Department: The Add Department page will open admin can add departments under Power O&M in CPP1, CPP2, and CPP3 plants.

Add Department

Show 10 Entries

| Main Head | Plant Name | Department Name | Department Abbreviation |
|-----------|---------------|-------------------------|-------------------------|
| POWER O&M | CPP-2 (540MW) | Test Dept | TDPT |
| POWER O&M | CPP-2 (540MW) | Artificial Intelligence | AI |
| POWER O&M | CPP-1 | test | t1 |

- click on Add button:** After clicking the 'Add' button in the 'Add Department' section, a pop-up will appear containing fields for Main Head, Plant Name, Department Name, and Department Abbreviation. Here, the admin needs to provide the information for which plant, department name, and department abbreviation to add the new department.

Add Department

Main Head*

POWER O&M

Plant Name *

--Select--

Department Name*

Department Abbreviation*

Submit

- The 'Add Department' popup is displayed, containing specific fields like Main Head, Plant Name, and Department Abbreviation. The admin needs to fill in these fields and then click the 'Submit' button. A success message will appear after submitting the information.

Add Department

Main Head*
POWER O&M

Plant Name *
CPP-3 (1200MW)

Department Name*
test

Department Abbreviation*
t1

Submit

- After submitting, a success message will appear, and the new department will be added to the respective plant.

Add Department

02/16/2025 -

Show 10 Entries

Main Head

POWER O&M

POWER O&M

POWER O&M

New Department is added

DM & KT

| Main Head | Plant Name | Department Name | Department Abbreviation |
|-----------|----------------|-----------------|-------------------------|
| POWER O&M | CPP-2 (540MW) | Manish | MN |
| POWER O&M | CPP-2 (540MW) | Aditya | AD |
| POWER O&M | CPP-2 (540MW) | ADDDITYA | AD |
| POWER O&M | CPP-1 | NewCPP | NC |
| POWER O&M | CPP-1 | CPPNEWWW | CNW |
| POWER O&M | CPP-3 (1200MW) | test | t1 |

Showing 1 to 5 of 6 entries

1.3. Click on Add Sub-Area: The Add Sub-Area page will open, allowing the admin to add a Sub-Area under Power O&M in the CPP1, CPP2, and CPP3 plants and in any desired departments.

The screenshot shows a web-based administrative interface for 'DM & KT'. On the left sidebar, under 'Add Sub-Area', there is a green callout with the number '1'. At the top right, there are two user profile icons with the text 'Admin' next to them. In the center, the title 'Add Sub-Area' is displayed above a table. The table has columns: Main Head, Plant Name, Department Name, Sub-Area Name, and Sub-Area Abbreviation. There are three rows of data: POWER O&M (Plant: CPP-2 (540MW), Dept: Manish, Sub-Area: Manish SUB, Abbrev: MSB); POWER O&M (Plant: CPP-1, Dept: NewCPP, Sub-Area: New CPP SUB, Abbrev: NCS); and POWER O&M (Plant: CPP-1, Dept: CPPNEWW, Sub-Area: NEW SUB AREA, Abbrev: CWSE). At the bottom right of the table area, there is a green 'Add' button with a circular icon. A black arrow labeled '2' points from the bottom right towards the 'Add' button.

| Main Head | Plant Name | Department Name | Sub-Area Name | Sub-Area Abbreviation |
|-----------|---------------|-----------------|---------------|-----------------------|
| POWER O&M | CPP-2 (540MW) | Manish | Manish SUB | MSB |
| POWER O&M | CPP-1 | NewCPP | New CPP SUB | NCS |
| POWER O&M | CPP-1 | CPPNEWW | NEW SUB AREA | CWSE |

- Click on Add button:** After clicking the 'Add' button in the 'Add Sub-Area' section, a pop-up will appear containing fields for Main Head, Plant Name, Department Name, and Sub-Area Abbreviation. The admin needs to provide the information for the desired plant, department, Sub-Area Abbreviation, and Sub-Area Name in order to add Sub-Areas.

The screenshot shows the 'Add Sub-Area' pop-up window. Inside the window, there are four input fields with asterisks indicating they are required: 'Main Head*', 'Plant Name*', 'Department*', and 'Sub-Area Abbreviation*'. Below these fields is a 'Submit' button. Arrows point from the text 'The "Add Sub-Area" pop-up is displayed, containing specific fields like Main Head, Plant Name, Department and Department Abbreviation.' to each of these four fields. In the background, the main 'Add Sub-Area' page is visible, showing a table with existing data and an 'Add' button.

| Sub-Area Name | Sub-Area Abbreviation |
|---------------|-----------------------|
| Manish SUB | MSB |
| New CPP SUB | NCS |
| NEW SUB AREA | CWSE |

- The 'Add Sub-Area' pop-up is displayed, containing specific fields like Main Head, Plant Name, Department and Department Abbreviation. The admin needs to fill in these fields and then click the 'Submit' button. A success message will appear after submitting the information.

Add Sub-Area

X

Main Head*

POWER O&M

Plant Name*

CPP-1

Department*

test

Sub-Area Abbreviation*

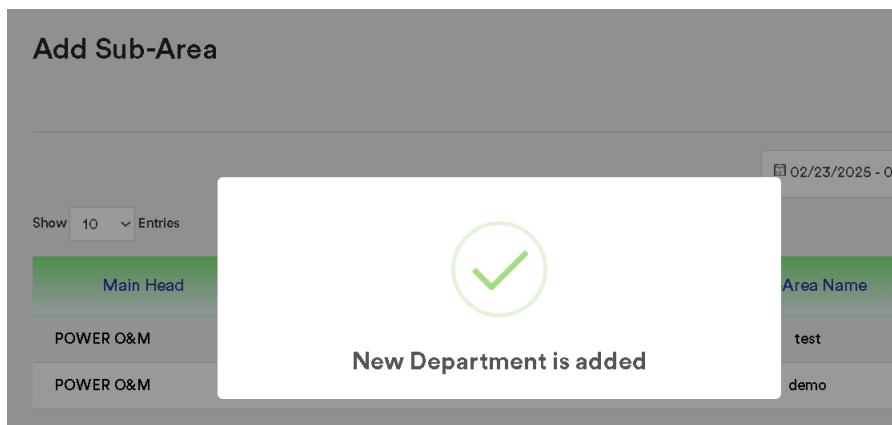
tst

Sub-Area Name*

demo

Submit

- After submitting, a success message will appear, and the new Sub-Area will be added to the respective plant.

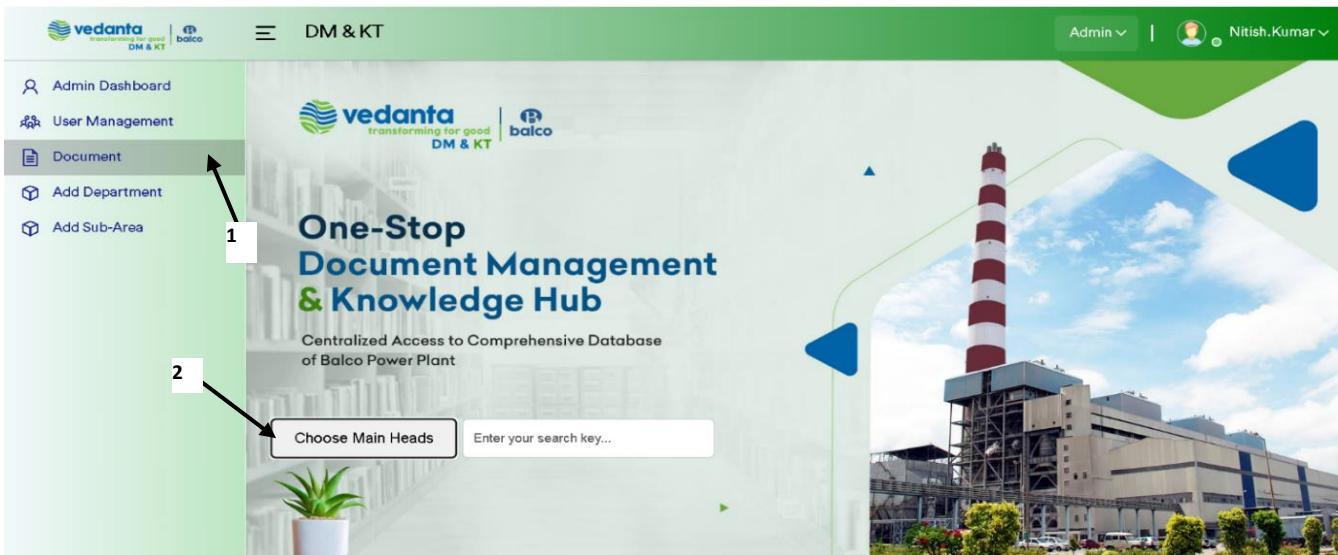


The screenshot shows the "Add Sub-Area" page with a table listing sub-area details. A new row has been added successfully.

| Main Head | Plant Name | Department Name | Sub-Area Name | Sub-Area Abbreviation |
|-----------|------------|-----------------|---------------|-----------------------|
| POWER O&M | CPP-1 | demo | test | do |
| POWER O&M | CPP-1 | test | demo | tst |
| POWER O&M | CPP-1 | test | boiler | ts |

- A new Sub-Area has been successfully added.

1.4. Click on Document: The user selects the "Document" option from the sidebar menu. The **Document Dashboard** opens, displaying the "**Choose Main Heads**" button along with a search bar.

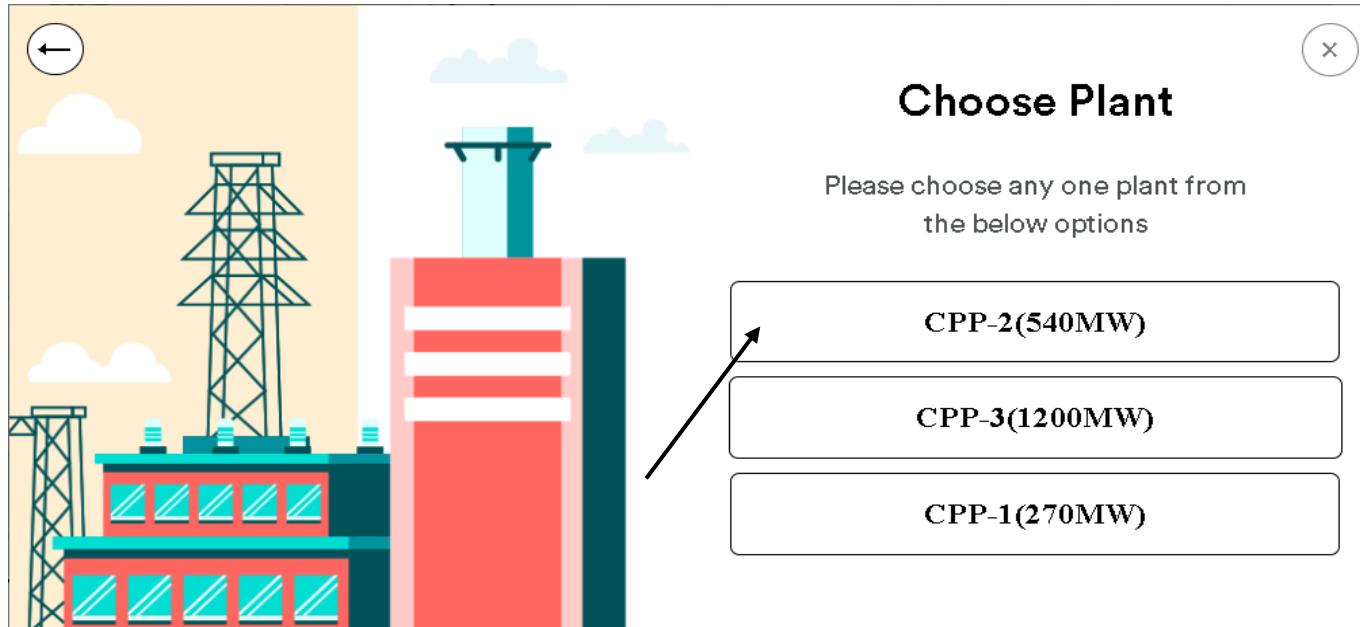


Upon clicking "**Choose Main Heads**", a **popup appears** displaying different categories such as:

- Power O&M
- Power Sale
- Ash-Dyke
- Plant Infra
- Coal Commercial
- Power Legal
- Planning



- The user selects a **main head** (e.g., Power O&M).
- After selecting a **Main Head**, a second **popup appears** asking the user to choose a **plant**, such as:
- **CPP-1 (270MW)**
- **CPP-2 (540MW)**
- **CPP-3 (1200MW)**



The user selects a **plant**, which directs them to the **Department Selection Page**.

vedanta
DM & KT

Admin | Nitish.Kumar

Admin Dashboard

User Management

Document

Add Department

Add Sub-Area

OPERATION

BOILER
TURBINE
BOP

MECHANICAL

BOILER
TURBINE
BOP

ELECTRICAL

BOILER
TURBINE
BOP

C&I

BOILER
TURBINE
BOP

CIVIL

BOILER
TURBINE
BOP

CHP

OPERATION
CIVIL
MECHANICAL
ELECTRICAL
C&I

AHP

OPERATION
CIVIL
MECHANICAL
ELECTRICAL
C&I

test1

Test1

The selected **plant** displays a categorized list of **departments**, including:

- **Operation**
- **Mechanical**

- Electrical
- C&I (Control & Instrumentation)
- Civil
- CHP (Coal Handling Plant)
- AHP (Ash Handling Plant)

Each **department** contains **sub-areas**, like Boiler, Turbine, BOP where admins can click on to view **documents**.

| Name | Type | Description | Storage Location |
|-------------------------------------|---------|--------------|------------------|
| 20mb_compressed.pdf [R2-2025-02-22] | Drawing | Erection | Soft Copy |
| DemoPlant.pdf [R3-2025-02-10] | Manuals | N/A | Soft Copy |
| dummy-pdf.pdf [R4-2025-02-28] | Drawing | Flow Diagram | Soft Copy |
| dummy/mg.pdf [R1-2025-02-01] | Drawing | P&ID | Soft Copy |

By clicking on a **sub-area**, admins can **View, Download, or select Versions documents**. Here:

- **Document Name:** Name of the file with a reference number.
- **Document Type:** Classifies the document (e.g., Manuals, Contracts).
- **Sub-Document Type:** Additional categorization (if applicable).
- **Storage Location:** Indicates whether the document is stored as a **soft copy** or a **hard copy**.

- 1. Versions:** Allows users to select and view different versions of the document.
- 2. Download:** Provides an option to download the document.
- 3. View:** Allows users to preview the document without downloading.
- Files larger than 5 MB can be downloaded but cannot be viewed, whereas files 5 MB or smaller are viewable

Admin can also filter documents based on:

4. **Date Range (Date Picker on the top-right).**
5. **Specific Filters (Dropdown menu for categorization).**

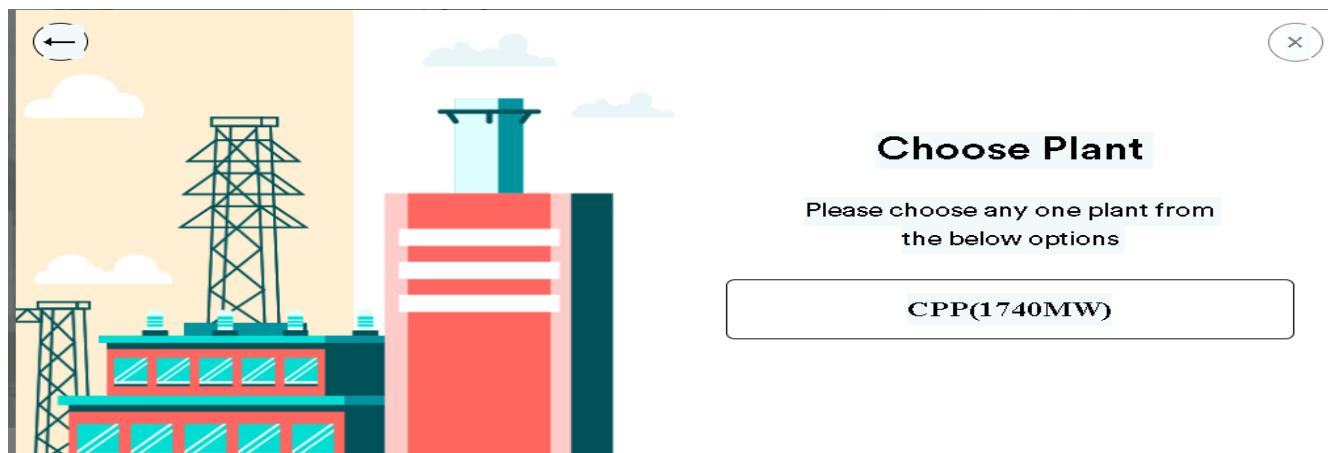
6. Search Bar (Keyword-based search for document retrieval).

- Click on Power Sale:



The user selects a **main head** (e.g., Power Sale).

- After selecting a **Main Head**, a second **popup appears** asking the user to choose a **plant**.
- CPP (1740MW).



The user selects a **plant**, which directs them to the power sale page where admins can **View, Download, or select Versions documents**. Here:

| Document Name | Document Type | Sub-Document Type | Storage Location | Versions | Download | View |
|-----------------------------------|---------------|-------------------|------------------|----------------|----------|------|
| TestDMKTPPP.pdf -[R5-2025-02-12] | Invoices | N/A | N/A | Select Version | | |
| PLant.pdf -[R6-2025-02-13] | Drawing | N/A | N/A | Select Version | | |
| sample.pdf -[R22-2025-02-18] | Reports | N/A | N/A | Select Version | | |
| TestDoc.docx -[R2-2025-02-20] | Drawing | N/A | N/A | Select Version | | |
| xlsExtension.xls -[R2-2025-02-25] | Invoices | N/A | N/A | Select Version | | |

(Same as POWER O&M)

- **Document Name:** Name of the file with a reference number.
- **Document Type:** Classifies the document (e.g., Manuals, Contracts).
- **Sub-Document Type:** Additional categorization (if applicable).
- **Storage Location:** Indicates whether the document is stored as a **soft copy** or a **hard copy**.
- **Versions:** Allows users to select and view different versions of the document.
- **Download:** Provides an option to download the document.
- **View:** Allows users to preview the document without downloading.

Admin can also filter documents based on:

- **Date Range (Date Picker on the top-right).**
- **Specific Filters (Dropdown menu for categorization).**
- **Search Bar (Keyword-based search for document retrieval).**
- **All other main heads are similar to this**

1.5. Click on User Management: The User Management page is designed for admin to manage users within the system. Admins can add, remove, activate, or deactivate users, HOD etc. as required. Additionally, different roles can be assigned to users based on the admin's discretion.

| Employee Name | Employee ID | Email ID | Mobile | Employee Role | Plant | Department |
|---------------|-------------|---------------------|-------------|---------------|-------------------------------|------------------------|
| User | 1 | stiphen@email.com | 9678828897 | User | CPP-2 (640MW), CPP-3 (1200MW) | OPERATION, C&I |
| Admin | 2 | admin@email.com | 8825524978 | User | CPP-2 (640MW), CPP-2 (540MW) | ELECTRICAL, ELECTRICAL |
| Librarian | 3 | librarian@email.com | 7825522878 | Librarian | CPP-2 (540MW) | CHP |
| SuperUser | 4 | superuser@email.com | 66295562924 | User | CPP-2 (640MW), CPP-2 (540MW) | OPERATION, OPERATION |
| HOD | 5 | hod@email.com | 9942552924 | User | CPP-2 (540MW) | ELECTRICAL |
| Pritam | 6 | pritam21@email.com | 9678824844 | HOD | CPP-2 (640MW), CPP-3 (1200MW) | OPERATION, C&I |

- **User List Display:**

A table displaying existing users with details like:

- **Employee Name**

- **Employee ID**
- **Email ID**
- **Mobile Number**
- **Employee Role**
- **Plant**
- **Department**
- **Status (Active/De active)**
- **Actions (Edit)**
 - Admins can search for users based on name, email, or other attributes.
 - Users can be filtered by Plant and Department.
 - Click on add button: Clicking on the "**Add User**" button opens a modal form
 - where the admin can enter details to create a new user.

- **Add Employee Modal Form:**

Add Employee Modal

Image Upload

Drag and drop file here
or [Browse for file](#)

| | | | | | | |
|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Employee Name * | Email ID * | | | | | |
| Phone * | Plants * | | | | | |
| Department | Select Plant | | | | | |
| Main Role Permission | | | | | | |
| Roles | Admin | User | Librarian | | | |
| Role Permission | Admin | User | SuperUser | HOD | Librarian | IsActive |
| Roles | <input type="checkbox"/> |

[Reset](#) [Submit](#)

- **Image Upload:** Allows the admin to upload a profile picture for the user.
- **Basic User Details:**
 - **Employee Name**
 - **Email ID**
 - **Phone Number**
 - **Plant Selection**
 - **Department Selection**
- **Main role permissions:**
 - The Main Role Permission section determines the employee's primary role within the DMKT Web Application.
 - Only one main role can be selected: Admin, User, or Librarian.
 - The selected role defines the employee's core responsibilities and access level.
- **In the Role Permission section:**
 - The IsActive checkbox indicates whether an employee is active and currently working in the company.
 - If selected, the employee is active and can access the DMKT Web Application.
 - If unselected, the employee is inactive and cannot use the application.
 - The Librarian must carefully select the roles for the employee by checking the appropriate role checkboxes.
 - The admin must carefully choose the correct main role for the employee.
 - The **Is Active** checkbox determines if the user is currently active.

- Admins can change the user's status (Active/De active) from the main User Management table.

After a user, HOD, librarian, or any other role is added successfully, it will be displayed on the User Management page.

- Click on 3 dots in user management page edit option will show.

| Department | Status | Action |
|------------------------|---|--------|
| OPERATION, C&I | <input checked="" type="radio"/> Active | ⋮ |
| ELECTRICAL, ELECTRICAL | <input type="radio"/> Edit | |

Clicking the **Edit** button will open the **Edit Employee** modal, where the admin can upload or change the employee's image, edit main roles, and manage role permissions.

Edit Employee Modal

Image Upload



Drag and drop file here
or

| | |
|---|--|
| Employee Name * | Email ID * |
| <input type="text" value="User"/> | <input type="text" value="stephen@email.com"/> |
| Phone * | Plant Name |
| <input type="text" value="9678828897"/> | <input type="text" value="CPP-2 (540MW), CPP-3 (1200MW)"/> |
| Department Name | |
| <input type="text" value="OPERATION, C&I"/> | |

| Main Role Permission | Admin | User | Librarian |
|----------------------|-----------------------|----------------------------------|-----------------------|
| Roles | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |

| Role Permission | Admin | User | SuperUser | HOD | Librarian | IsActive |
|-----------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Roles | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

- Click on the "Admin" button in the top-right corner.
- A dropdown menu appears with role options: **Admin, User, Superuser, and Librarian**.
- The admin can select a different role from the assigned roles.



1. Clicking on the profile icon.

Provides access to profile-related options

This screenshot shows the "Profile" page. At the top left, it says "Profile" and "Dashboard / Profile". Below that, there is a user profile card for "Paul Nitish". The card includes a circular profile picture, the name "Paul Nitish", Employee ID: 2, Main Role: Admin, and Access Role: User, Admin, HOD. To the right of the card, there are two sections: "Phone: 9678824924" and "Email: nitish@gmail.com". Further right, under "Plant and Department", it lists CPP-2 (540MW) / OPERATION and CPP-3 (1200MW) / C&I.

When we click on "My Profile," the following details are displayed: employee name, employee ID, main role, access roles, phone number, email, assigned plant, and department.

2. Click on "Logout": Allows the Admin to log out of the system.

2. Superuser:

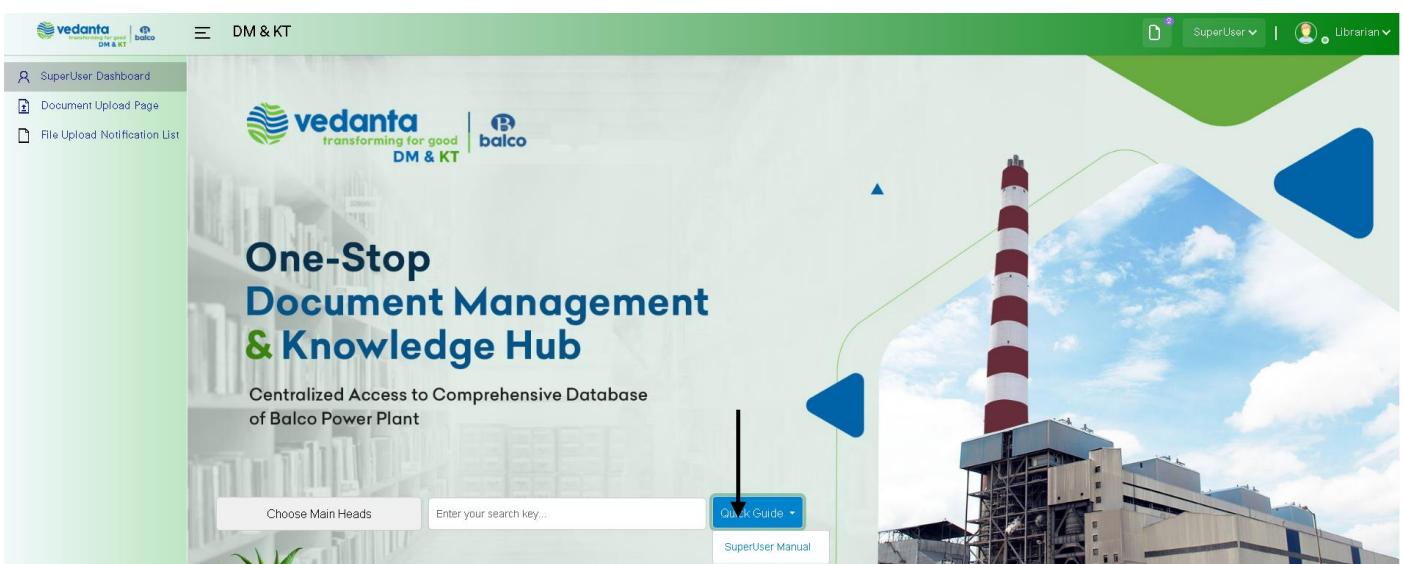
Description: A superuser can view statutory files and common files, upload files to the librarian, and check the status of uploaded files in the file upload notification list.



For Superuser Login: Users have to provide Superuser Login Credentials. Like.

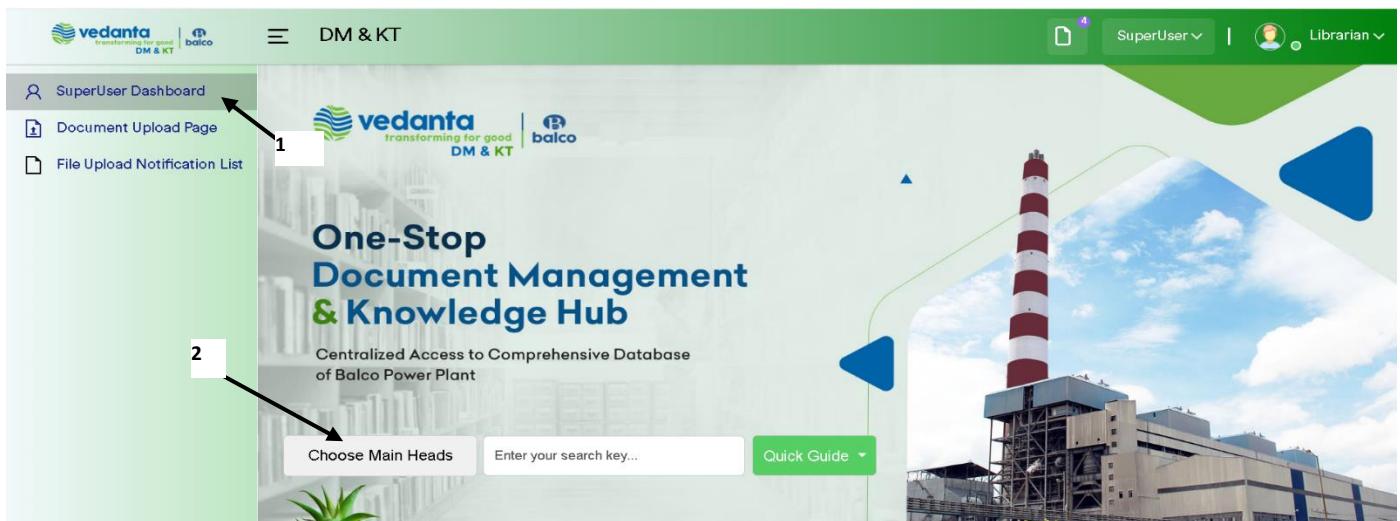
SUPERUSER USERNAME:

SUPERUSER PASSWORD:



The application should look like this after logging in as an Admin. Here:

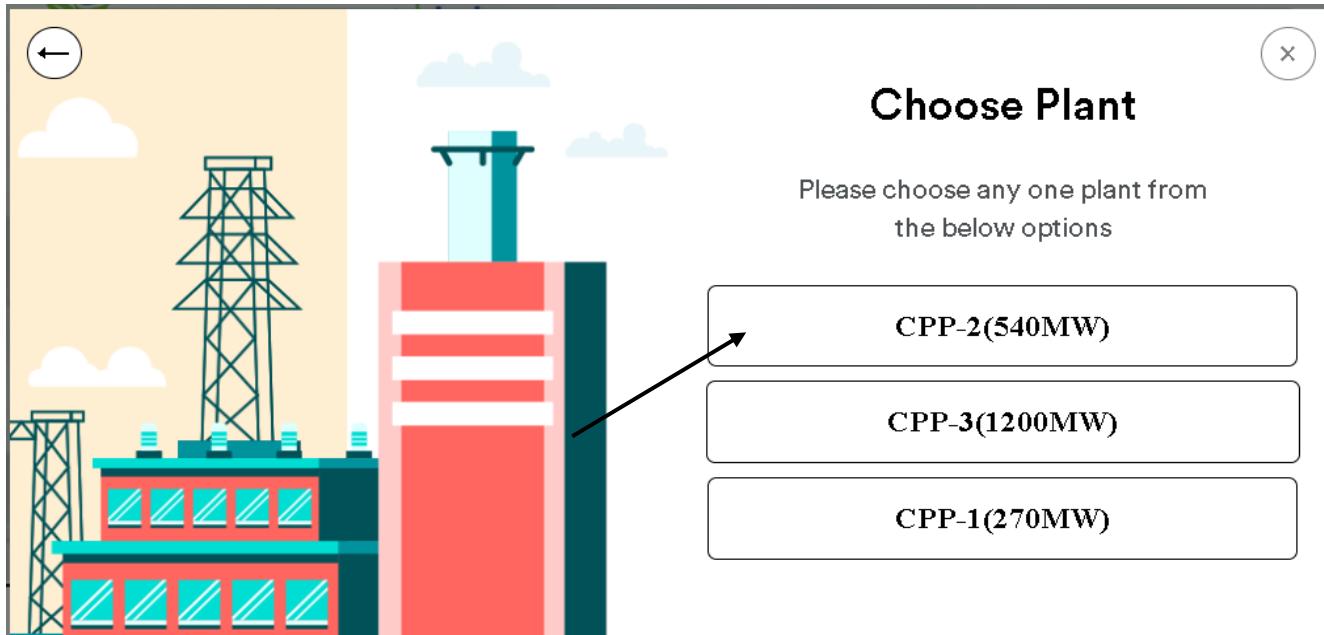
- This quick guide provides accurate descriptions for all roles. Clicking on this guide will open the respective guide for the corresponding roles.



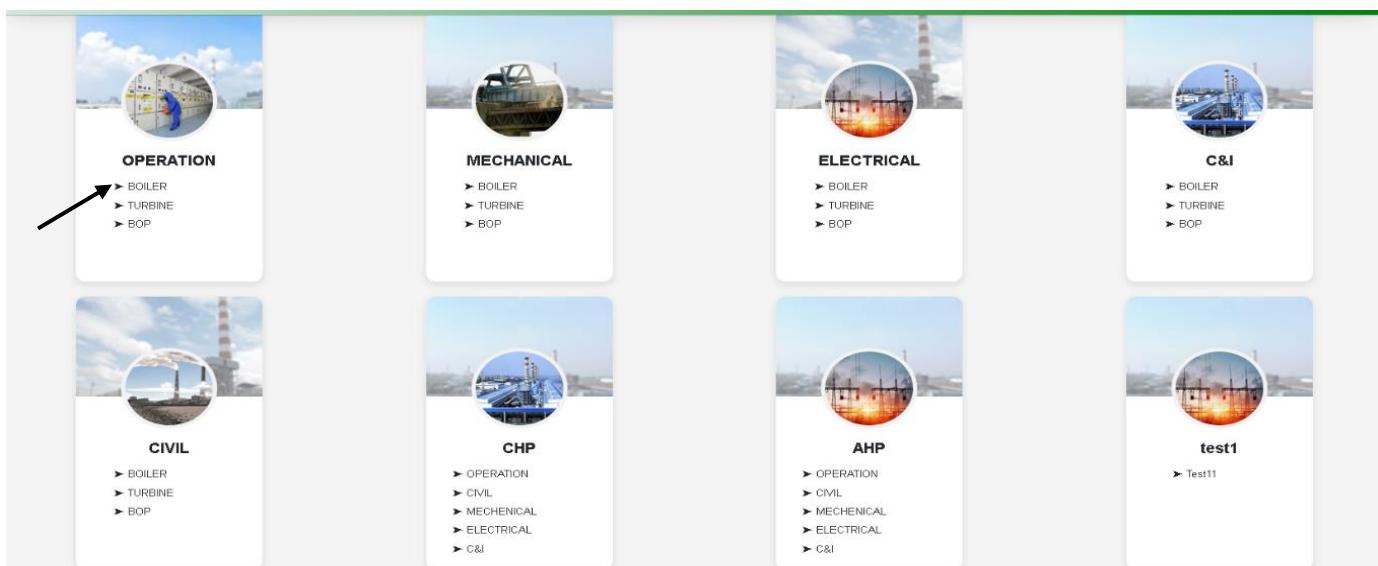
- 1. Click on Superuser Dashboard:** The user selects the "Superuser Dashboard" option from the sidebar menu. The **Superuser Dashboard** opens, displaying the "Choose Main Heads" button along with a search bar.
- 2. Upon clicking "Choose Main Heads", a popup appears** displaying different categories such as:
 - Power O&M
 - Power Sale
 - Ash-Dyke
 - Plant Infra
 - Coal Commercial
 - Power Legal
 - Planning



- The user selects a **main head** (e.g., **Power O&M**).
- After selecting a **Main Head**, a second **popup appears** asking the user to choose a **plant**, such as:
- **CPP-1 (270MW)**
- **CPP-2 (540MW)**
- **CPP-3 (1200MW)**



The user selects a **plant**, which directs them to the **Department Selection Page**.



The selected **plant** displays a categorized list of **departments**, including:

- **Operation**
- **Mechanical**

- Electrical
- C&I (Control & Instrumentation)
- Civil
- CHP (Coal Handling Plant)
- AHP (Ash Handling Plant)

Each **department** contains **sub-areas**, like Boiler, Turbine, BOP where admins can click on to view **documents**.

| Document Name | Type | Category | Status | Action |
|--------------------------------------|---------|--------------|-----------|---|
| 20mb_compressed.pdf -[R2-2025-02-22] | Drawing | Erection | Soft Copy | View Download |
| DemoPlant.pdf -[R3-2025-02-10] | Manuals | N/A | Soft Copy | View Download |
| dummy.pdf-[R44-2025-02-28] | Drawing | Flow Diagram | Soft Copy | View Download |
| dummyimg.pdf -[R1-2025-02-01] | Drawing | P&ID | Soft Copy | View Download |

By clicking on a **sub-area**, **Superuser** can **View, Download, or select Versions documents**. Here:

- **Document Name:** Name of the file with a reference number.
- **Document Type:** Classifies the document (e.g., Manuals, Contracts).
- **Sub-Document Type:** Additional categorization (if applicable).
- **Storage Location:** Indicates whether the document is stored as a **soft copy** or a **hard copy**.

1. Versions: Allows users to select and view different versions of the document.

2. Download: Provides an option to download the document.

View: Allows **Superuser** to preview the document without downloading.

- Files larger than 5 MB can be downloaded but cannot be viewed, whereas files 5 MB or smaller are viewable

Superuser can also filter documents based on:

3. **Date Range** (Date Picker on the top-right).
4. **Specific Filters** (Dropdown menu for categorization).

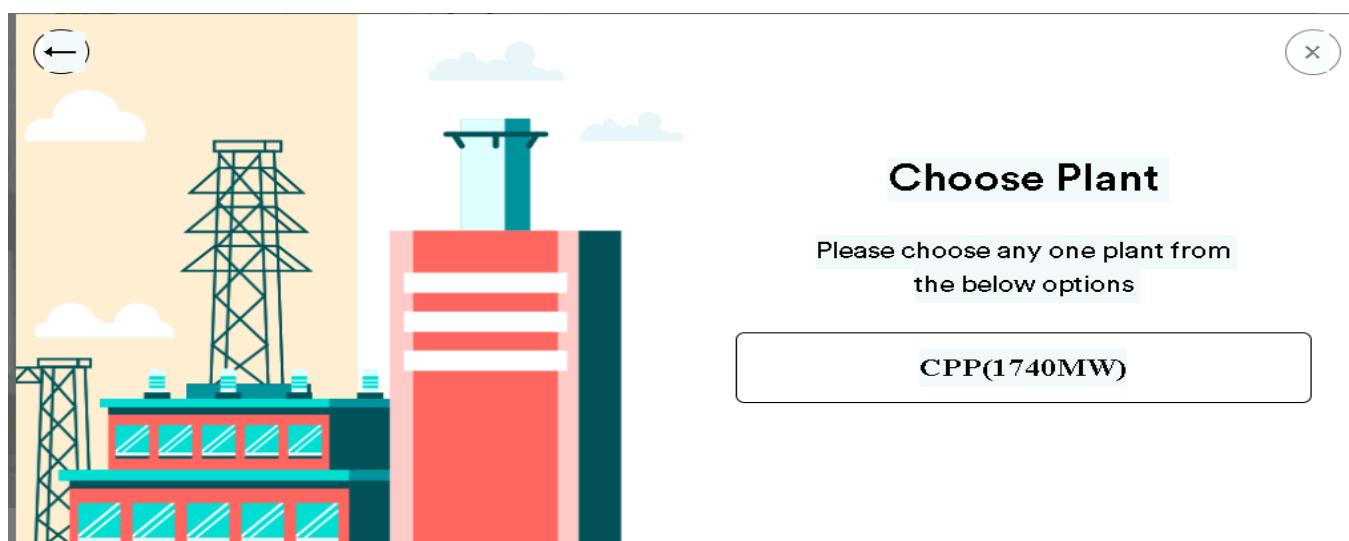
5. Search Bar (Keyword-based search for document retrieval).

Click on Power Sale:



The user selects a **main head** (e.g., **Power Sale**).

- After selecting a **Main Head**, a second **popup appears** asking the user to choose a **plant**.
- CPP (1740MW).



The user selects a **plant**, which directs them to the power sale page where admins can **View, Download, or select Versions documents**. Here:

POWER SALE / CPP (1740MW)

| Document Management Overview | | | | | |
|----------------------------------|---------------|-------------------|------------------|----------------|---------|
| Document Name | Document Type | Sub-Document Type | Storage Location | Versions | Actions |
| TestDMKTPPP.pdf-[R6-2025-02-12] | Invoices | N/A | N/A | Select Version | |
| PLant.pdf-[R6-2025-02-13] | Drawing | N/A | N/A | Select Version | |
| sample.pdf-[R22-2025-02-18] | Reports | N/A | N/A | Select Version | |
| TestDoc.docx-[R2-2025-02-20] | Drawing | N/A | N/A | Select Version | |
| xlsExtension.xls-[R2-2025-02-26] | Invoices | N/A | N/A | Select Version | |

(Same as POWER O&M)

- Document Name:** Name of the file with a reference number.
- Document Type:** Classifies the document (e.g., Manuals, Contracts).
- Sub-Document Type:** Additional categorization (if applicable).
- Storage Location:** Indicates whether the document is stored as a **soft copy** or a **hard copy**.
- Versions:** Allows users to select and view different versions of the document.
- Download:** Provides an option to download the document.
- View:** Allows users to preview the document without downloading.

Superuser can also filter documents based on:

- Date Range (Date Picker on the top-right).**
- Specific Filters (Dropdown menu for categorization).**
- Search Bar (Keyword-based search for document retrieval).**
- All other main heads are similar to this.**

2.1 Click on Document Upload Page: The Document Upload Page allows the Superuser to upload files. Once a file is uploaded, a notification appears in the file notification icon at the top.

The screenshot shows the 'Document Upload Page' under the 'SuperUser Dashboard'. The top navigation bar includes the Vedanta logo, 'DM & KT', and user roles 'SuperUser' and 'Librarian'. A sidebar on the left lists 'SuperUser Dashboard', 'Document Upload Page' (which is selected), and 'File Upload Notification List'. The main area has a title 'Document Upload Page' and a note 'Upload Files (.pdf, .docx, .xlsx, .jpeg, .dwg, .jpg, .txt, .csv, .xls, .ppt, .png)*'. It features a 'Multiple File Upload' section with a dashed box for dragging files and a 'Browse for file' button. Below this is a 'Remarks' field with a red asterisk and a placeholder 'Please give your remarks.' A green 'Submit' button is at the bottom. Numbered arrows point to specific elements: 1 points to the 'Document Upload Page' link in the sidebar; 2 points to the 'Remarks' field; 3 points to the user profile icon in the top right; 4 points to the 'Browse for file' button.

1. Multiple File Upload:

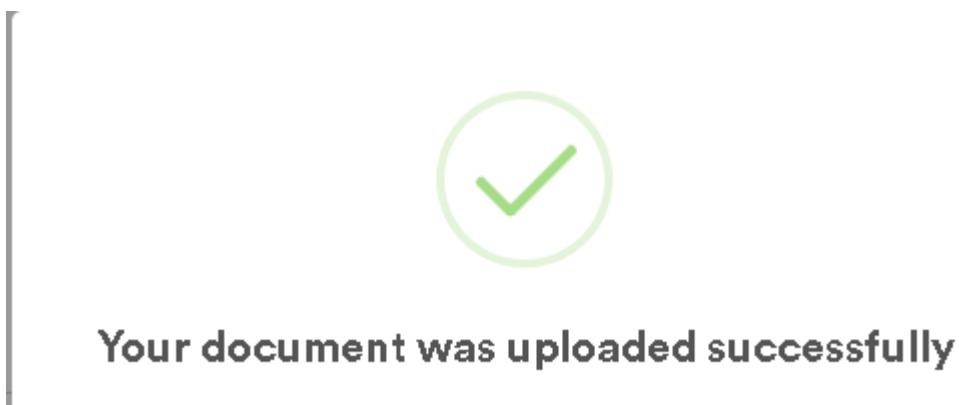
- The Superuser can upload multiple files using the **drag-and-drop feature** or by **browsing files** manually.
- Files should be under **200 MB** in size.
- Supported file formats:
.pdf, .docx, .xlsx, .jpeg, .dwg, .jpg, .txt, .csv, .xls, .ppt, .png

2. Remarks:

- While uploading a file, the Superuser must **add remarks** in the provided field.

This screenshot shows the same 'Document Upload Page' after a file has been uploaded. The 'Multiple File Upload' section now displays a PDF file named '1.pdf' with a size of '7.3 KB'. Below the file list is a 'Remarks' field containing the text 'sample', preceded by a red asterisk. A green 'Submit' button is at the bottom. Numbered arrows point to the uploaded file (1) and the 'Remarks' field (2).

- After giving remarks then click on submit button. A success message will appear which contains file uploaded successfully.

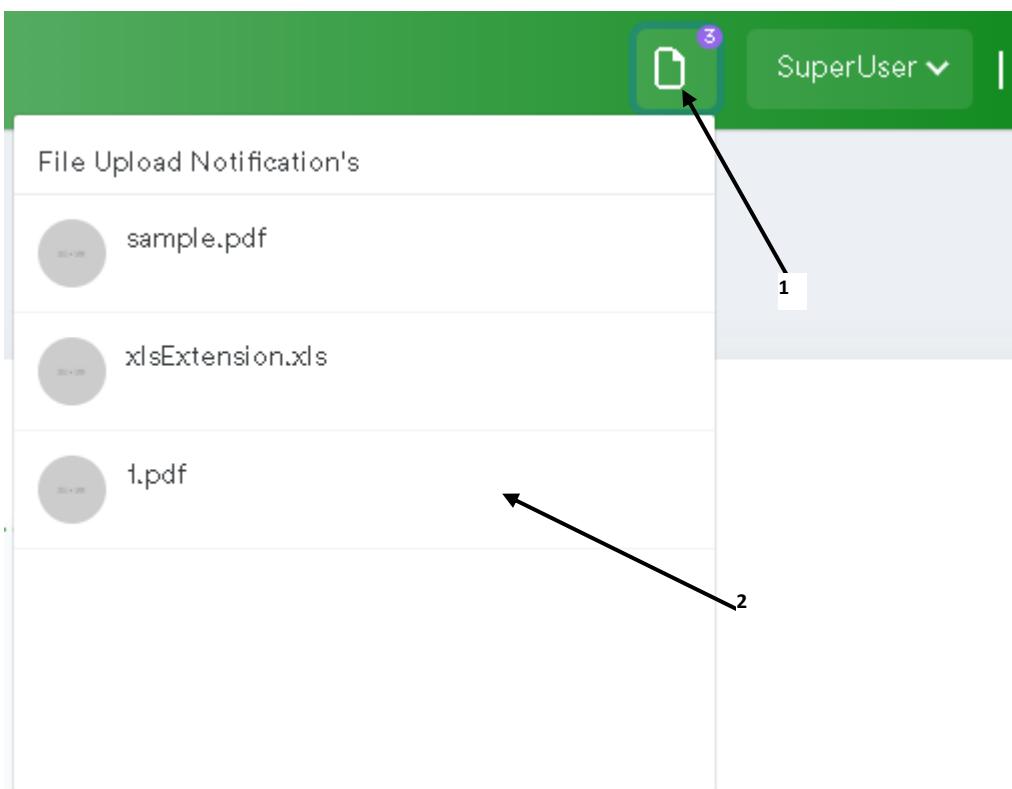


3. File Upload Notifications:

- Once a file is successfully uploaded, a **notification appears** in the file notification section at the top.



When you click on File Upload Notifications, a dropdown will appear containing the list of uploaded files.



A screenshot of a dropdown menu titled "File Upload Notification's". The menu lists three files: "sample.pdf", "xlsExtension.xls", and "1.pdf". Each item has a small thumbnail icon to its left. Arrows numbered 1, 2, and 3 point to the file list, the "File Upload Notification's" title, and the notification icon in the header respectively.

| File |
|------------------|
| sample.pdf |
| xlsExtension.xls |
| 1.pdf |

"The list of all uploaded files is displayed here. If the superuser clicks on the recently uploaded files/documents list, another modal will open, showing the file upload notification details.

File Upload Notification Details



| | | |
|---------------------------|------------|---------|
| Document Name: | 1.pdf | |
| Approver/Rejecter's Name: | | |
| Executed Date: | 2025-03-18 | Status: |

The file upload notification details include the document name, approver/rejecter's name, execution date, and status. Once this file upload notification detail is clicked, it will be removed from the File Upload Notifications list.

2.2 Click on File Upload Notification List: This page allows the Superuser to view the status of uploaded files, including whether they have been approved or rejected by the Librarian.

It provides a list of all uploaded documents along with details such as

3 document name, approver/rejecter name, execution date, and current status.

| Document Name | Approver/Rejector's Name | Executed Date | Status |
|--|--------------------------|---------------|----------|
| KKList.pdf | Librarian | 2025-02-16 | Rejected |
| Free_Text_Data_100KB_PDF.pdf | Librarian | 2025-02-16 | Approved |
| Matrix of Digital Library R-1.xlsx | Librarian | 2025-02-16 | Approved |
| O&M.CPP-2 (540MW).OPRN.BLR.798.DMKT_DocType&SubType (2).xlsx | Librarian | 2025-02-16 | Rejected |
| DEMOTEST.pdf | Librarian | 2025-02-16 | Approved |
| sample.pdf | | | |
| file-example_DEMO TEST.pdf | | | |
| sample.pdf | | | |
| file-example_DEMO TEST.pdf | | | |

- Superuser Can access the File Upload Notification List.
- Can view the status of uploaded files.

- Can search for specific files using the search bar.
- Can see the approver/rejecter's name and decision (Approved/Rejected).

File Upload Notification List contains:

- Document Table: Displays a list of uploaded documents with the following columns:
- Document Name: Name of the uploaded file.
- Approver/Rejecter's Name: The Librarian responsible for reviewing the document.
- Executed Date: The date on which the file was reviewed.
- Status: Displays whether the file has been Approved or Rejected.

Search Functionality:

- Allows Superuser to search for specific documents.

Pagination:

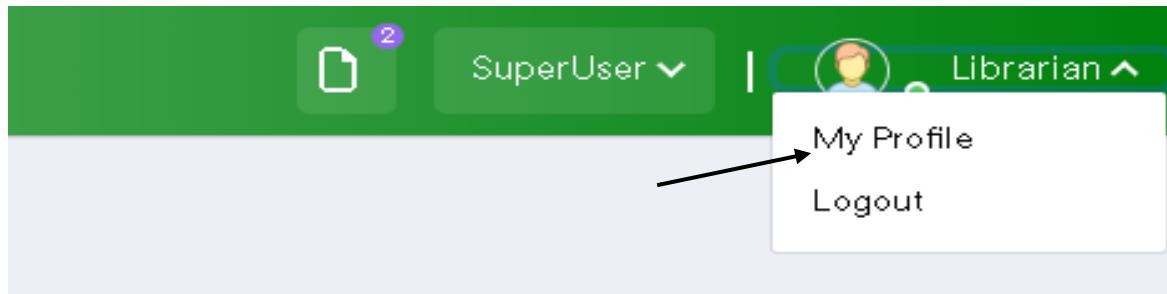
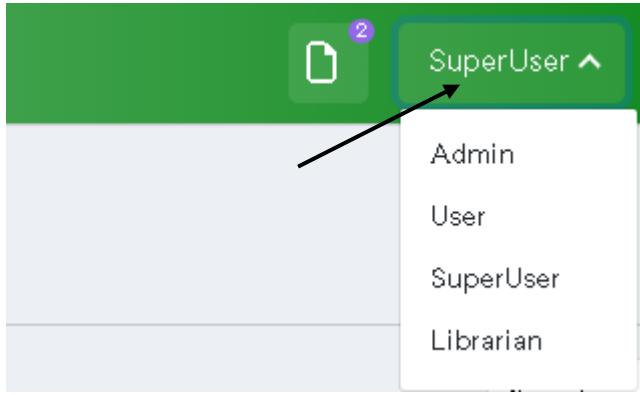
- Allows users to navigate through multiple pages of uploaded files.

Notification Icon:

- Located at the top of the page.
- Displays the count of new file notifications for the Superuser.

File Approval/Rejection Process:

- Superuser uploads a file from the **Document Upload Page**.
- The Librarian reviews the file and either approves or rejects it.
- The decision is recorded in the **File Upload Notification List**.
- Superuser can check the updated status on this page.
- **Click on the "Superuser" button** in the top-right corner.
- A dropdown menu appears with role options: **Admin, User, Superuser, and Librarian**.



3. Clicking on the profile icon.

- Provides access to profile-related options.

Profile

Dashboard / Profile

Das Rahul
Employee ID: 3
Main Role: SuperUser
Access Role: User, Admin, HOD

Phone: 9678824924 **Plant and Department**
Email: nitish@gmail.com CPP-2 (540MW) / OPERATION
CPP-3 (1200MW) / C&I

When we click on "My Profile," the following details are displayed: employee name, employee ID, main role, access roles, phone number, email, assigned plant, and department.

- ### 4. Click on "Logout": Allows the Superuser to log out of the system.

3. User:

Description:

- A user can raise a request for statutory files from the Statutory Document List to the librarian.
- The user can view the requested statutory files from the Requested Document List.
- A user can upload multiple or single files to the librarian from the Document Upload page.
- A user can view the status of requested statutory files from the Statutory Notification List.
- The status of files uploaded by the user to the librarian can be viewed in the File Upload Notification List.

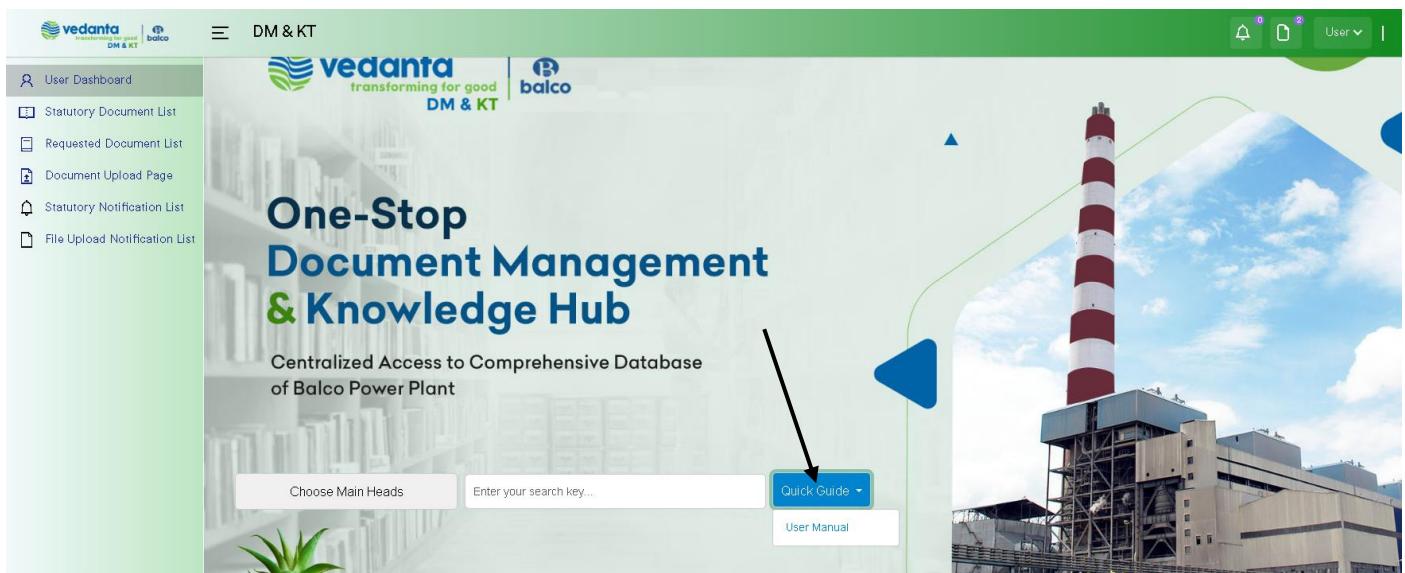


For User Login: Users have to provide Superuser Login Credentials. Like.

USER USERNAME:

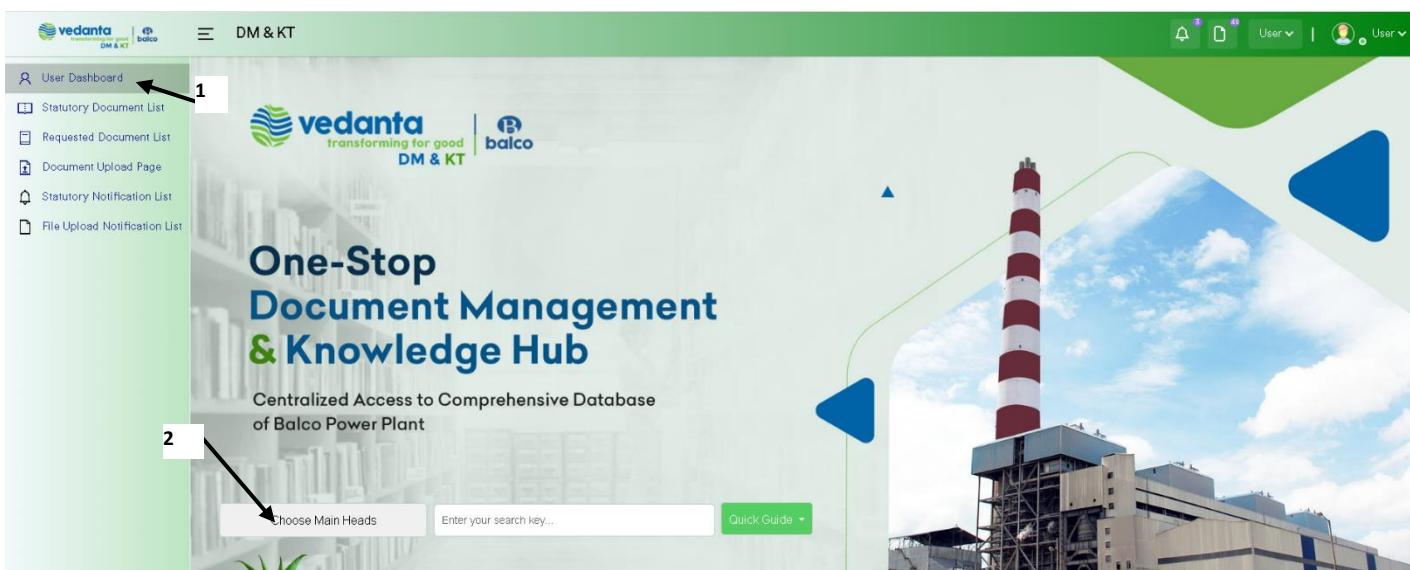
USER PASSWORD:

After entering the credentials, they should click on the login button to enter the application.



The application should look like this after logging in as a user. Here:

This quick guide provides accurate descriptions for all roles.



3.1. Click on User Dashboard: The user selects the "User Dashboard" option from the sidebar menu. The **User Dashboard** opens, displaying the "Choose Main Heads" button along with a search bar.

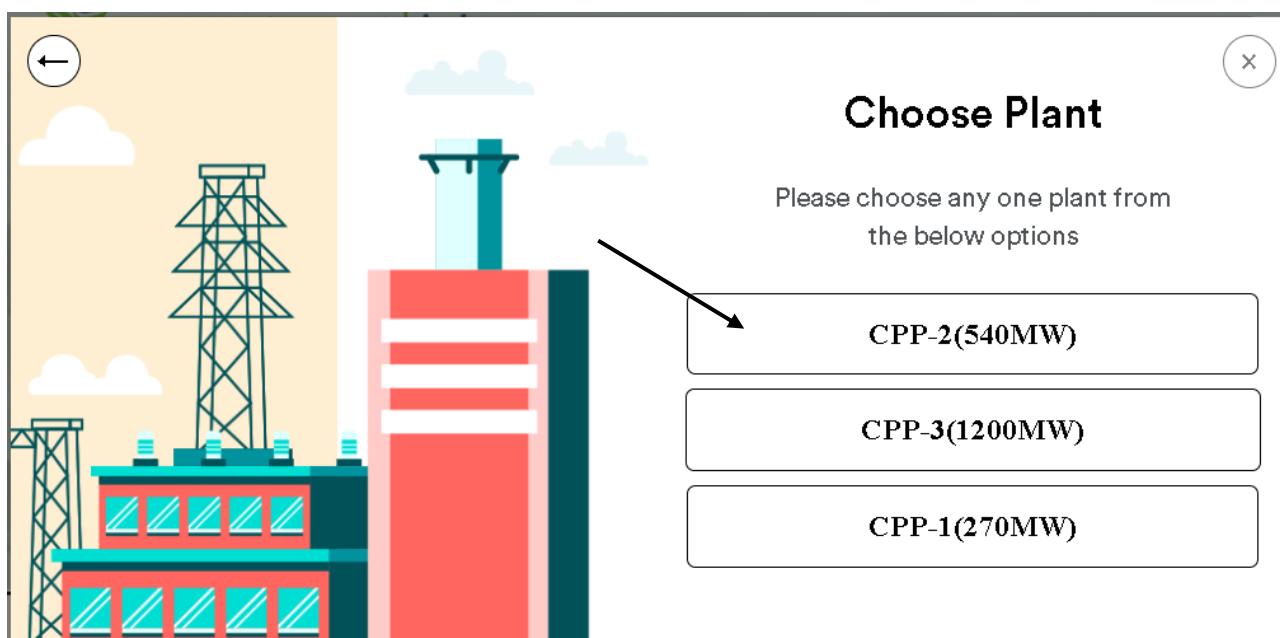
Upon clicking "Choose Main Heads", a **popup appears** displaying different categories such as:

- **Power O&M**
- **Power Sale**
- **Ash-Dyke**

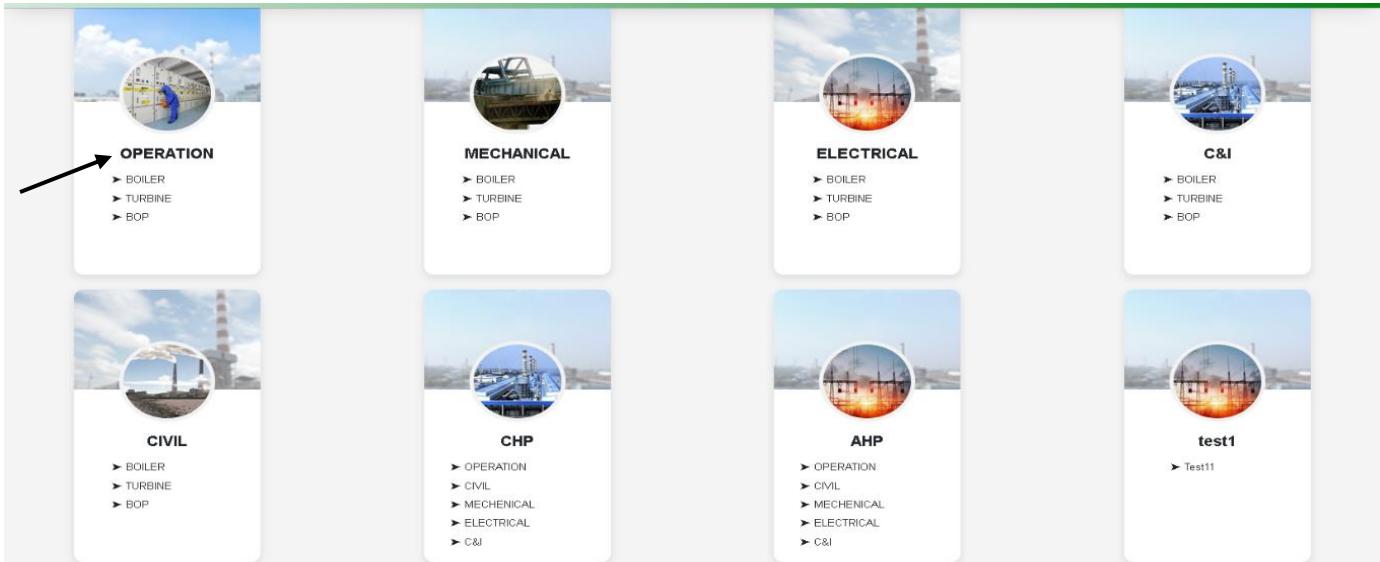
- Plant Infra
- Coal Commercial
- Power Legal
- Planning



- The user selects a **main head** (e.g., Power O&M).
- After selecting a **Main Head**, a second **popup appears** asking the user to choose a **plant**, such as:
- **CPP-1 (270MW)**
- **CPP-2 (540MW)**
- **CPP-3 (1200MW)**



The user selects a **plant**, which directs them to the **Department Selection Page**.



The selected **plant** displays a categorized list of **departments**, including:

- **Operation**
- **Mechanical**
- **Electrical**
- **C&I (Control & Instrumentation)**
- **Civil**
- **CHP (Coal Handling Plant)**
- **AHP (Ash Handling Plant)**

Each **department** contains **sub-areas**, like Boiler, Turbine, BOP where admins can click on to view **documents**.

This screenshot shows the 'OPERATION / BOILER' document list page. It includes a header with date range, filter, and search fields, and a table with columns for Document Name, Document Type, Sub-Document Type, Storage Location, Versions, Download, and View. Arrows numbered 1 through 6 point to specific UI elements: 1 points to the 'Select Version' dropdown for the first row; 2 points to the 'Download' and 'View' buttons for the first row; 3 points to the 'Download' and 'View' buttons for the second row; 4 points to the date range input field; 5 points to the 'Select Filter' dropdown; and 6 points to the search input field.

| Document Name | Document Type | Sub-Document Type | Storage Location | Versions | Download | View |
|-----------------------|---------------|-------------------|------------------|------------------|----------|------|
| 6.pdf-[R1-2025-02-24] | Manuals | N/A | Soft Copy | 1 Select Version | | |
| 6.pdf-[R2-2025-03-10] | Contracts | N/A | Soft Copy | 2 Select Version | | |
| 7.pdf-[R1-2025-02-24] | Manuals | N/A | Hard Copy | 3 Select Version | | |

By clicking on a **sub-area**,

User can **View, Download, or select Versions** documents. Here:

- **Document Name:** Name of the file with a reference number.
- **Document Type:** Classifies the document (e.g., Manuals, Contracts).
- **Sub-Document Type:** Additional categorization (if applicable).
- **Storage Location:** Indicates whether the document is stored as a **soft copy** or a **hard copy**.

1. Versions: Allows users to select and view different versions of the document.

2. Download: Provides an option to download the document.

3. View: Allows **Superuser** to preview the document without downloading.

- Files larger than 5 MB can be downloaded but cannot be viewed, whereas files 5 MB or smaller are viewable

User can also filter documents based on:

4. Date Range (Date Picker on the top-right).

5. Specific Filters (Dropdown menu for categorization).

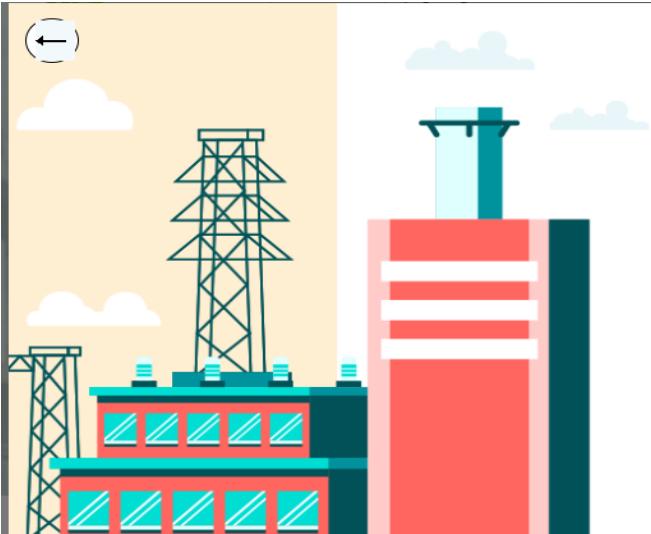
6. Search Bar (Keyword-based search for document retrieval).

Click on Power Sale:



The user selects a **main head** (e.g., **Power Sale**).

- After selecting a **Main Head**, a second **popup appears** asking the user to choose a **plant**.
- CPP (1740MW).



Choose Plant

Please choose any one plant from the below options

CPP(1740MW)

The user selects a **plant**, which directs them to the power sale page where admins can **View, Download, or select Versions documents**. Here:

| POWER SALE / CPP (1740MW) | | | | | | | | |
|---------------------------|--|----------------------------------|---------------|-------------------|------------------|----------------|----------|------|
| | | Document Name | Document Type | Sub-Document Type | Storage Location | Versions | Download | View |
| | | TestDMKTPPP.pdf-[R6-2025-02-12] | Invoices | N/A | N/A | Select Version | | |
| | | PLant.pdf-[R6-2025-02-13] | Drawing | N/A | N/A | Select Version | | |
| | | sample.pdf-[R22-2025-02-18] | Reports | N/A | N/A | Select Version | | |
| | | TestDoc.docx-[R2-2025-02-20] | Drawing | N/A | N/A | Select Version | | |
| | | xlsExtension.xls-[R2-2025-02-26] | Invoices | N/A | N/A | Select Version | | |

(Same as POWER O&M)

- Document Name:** Name of the file with a reference number.
- Document Type:** Classifies the document (e.g., Manuals, Contracts).
- Sub-Document Type:** Additional categorization (if applicable).
- Storage Location:** Indicates whether the document is stored as a **soft copy** or a **hard copy**.
- Versions:** Allows users to select and view different versions of the document.
- Download:** Provides an option to download the document.
- View:** Allows users to preview the document without downloading.

User can also filter documents based on:

- Date Range (Date Picker on the top-right).
- Specific Filters (Dropdown menu for categorization).
- Search Bar (Keyword-based search for document retrieval).
- All other main heads are similar to this.

3.2. Click on Statutory Document List: The **Statutory Document List Page** is designed to provide users with access to statutory documents, this page allows users to:

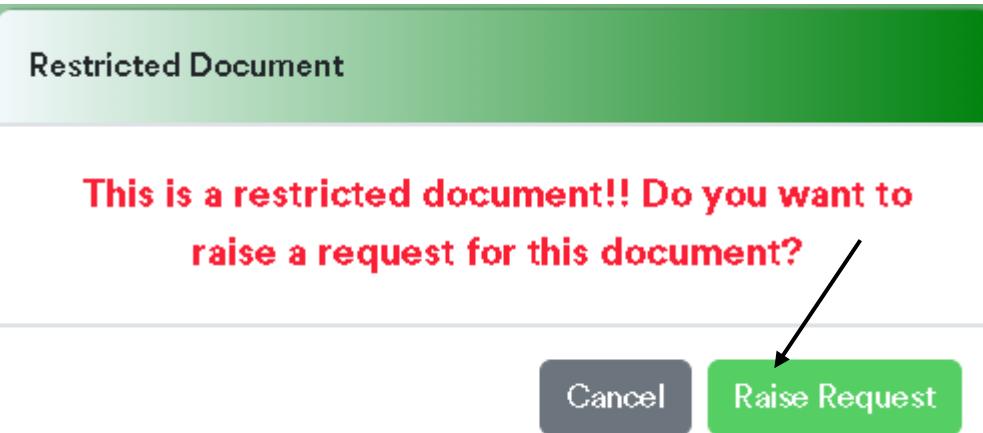
- View a list of statutory documents.
- Request access to restricted documents.

| Statutory Document List | | | | | |
|--|-------------------------|-----------|------------------|---------------|-------------------|
| Show 10 Entries | 03/01/2025 - 03/31/2025 | Search... | | | |
| Document Name | Department Name | Sub-Area | Storage Location | Document Type | Sub-Document Type |
| O&M/CPP-2 (540MW)/CVL/TRB/190/xlsExtension.xls | CIVIL | TURBINE | Soft Copy | Reports | N/A |
| PI/158/100mb.pdf | N/A | N/A | Soft Copy | Invoices | N/A |
| Showing 1 to 1 of 2 entries | | | | | |
| << 1 >> | | | | | |

Fields include:

- Document Name
- Department Name
- Sub-Area
- Storage Location (Soft Copy / Hard Copy)
- Document Type
- Sub-Document Type
- Action (Request)
- Date Piker

- Search bar



1. Click on the **eye icon** in the **Action** column. a "Restricted Document" popup will appear.
 2. The popup will display a message:
"This is a restricted document!! Do you want to raise a request for this document?"
- Click the "**Raise Request**" button to proceed.

Document Access Form

Statutory Document *

O&M/CPP-2 (540MW)/CVL/TRB/190.xlsExtension.xls

Remarks *

1

File Upload *

Drag and drop file here
or
Browse for file

2

Submit

- Once the request is raised, a **Document Access Form** appears:
- **Statutory Document:** The name of the requested document is pre-filled.

3. **Remarks:** Enter the reason for requesting access.
4. **File Upload:** Attach any necessary supporting documents by:
 - Dragging and dropping the file.
 - Clicking "**Browse for file**" to upload manually.
5. Click the "**Submit**" button.
 - The request is then sent to the librarian for approval.
 - The librarian reviews the request.
 - Upon approval, the user is granted access to the document.
 - After the successful submission of the document, it will appear in the Statutory Document Notifications, where notifications for requested files are displayed.

The screenshot shows the Vedanta DM & KT application. At the top, there's a green header bar with the Vedanta logo, the text "DM & KT", and a user dropdown menu. Below the header, the main content area has a left sidebar with links like "User Dashboard", "Statutory Document List" (which is highlighted in green), "Requested Document List", "Document Upload Page", and "Statutory Notification List". The main panel displays a "Statutory Document List" with a table showing three entries, each with a "Rahul Approved" status and a file name. To the right of the main panel, a sidebar titled "Statutory Document Notifications" lists the same three entries. A black arrow points from the text above to the "User" dropdown menu at the top right of the screenshot.

"The user can click on the Statutory Document Notifications list to view the details of the requested document, which will be displayed as follows:

A modal window titled "Requested Document Details" is shown. It contains a "DOCX" file icon and the file name "testingFiles.docx". Below this, there are several data pairs: "Plant Name: CPP-2 (540MW)", "Approver/Rejecter's Name: Rahul", "Expiration Date: ", "Department Name: MECHANICAL", "Document Name: testingFiles.docx", and "Status: Approved".

Once this notification is opened, it is removed from the Statutory Notification List.

3.3. Click on Requested document list: This Requested document list page displays the requested documents that have been reviewed and approved by the librarian.

| Document Name | Requestor Department | Approved By | Approved D&T | Status | Download | View |
|---|----------------------|-------------|--------------|----------|----------|------|
| O&M/CPP-2 (540MW)/MMD/TRB/112/TestDMKTPPP.pdf | MECHANICAL | Librarian | 14-02-2025 | Approved | | |

- Displays a list of requested statutory documents.
 - Fields included:
 - **Document Name** → Name of the requested document.
 - **Requestor Department** → The department from which the request was made.
 - **Approved By** → The authority who approved the request (e.g., Librarian).
 - **Approved Date & Time (D&T)** → The date and time the document was approved.
 - **Status** → Approval status of the document (Approved/Pending/Rejected).
 - **Download** → If approved, a download icon appears to allow document retrieval.
 - **View** → Option to preview the document.
1. Once the document is approved, the **Download** button becomes active, allowing the user to retrieve/Download the document.
 2. The **View** button allows users to preview the document before downloading.
 3. Users can **search** by document name or department.
 4. A **date range filter** allows filtering of approvals within a specific period.

3.4. Click on Document Upload Page: The Document Upload Page allows the User to upload files. Once a file is uploaded, a notification appears in the file notification icon at the top.

The screenshot shows the 'Document Upload Page' under the 'DM & KT' section. On the left sidebar, the 'Document Upload Page' option is selected. The main area has a heading 'Multiple File Upload' and a central input field with a dashed border. Inside the field, there's an upward arrow icon and the text 'Drag and drop file here or'. Below this is a green button labeled 'Browse for file'. At the bottom of the page is a 'Submit' button.

1. Multiple File Upload:

- The User can upload multiple files using the **drag-and-drop feature** or by **browsing files** manually.
- Files should be under **200 MB** in size.
- Supported file formats:
.pdf, .docx, .xlsx, .jpeg, .dwg, .jpg, .txt, .csv, .xls, .ppt, .png

2. Remarks:

- While uploading a file, the User must **add remarks** in the provided field.

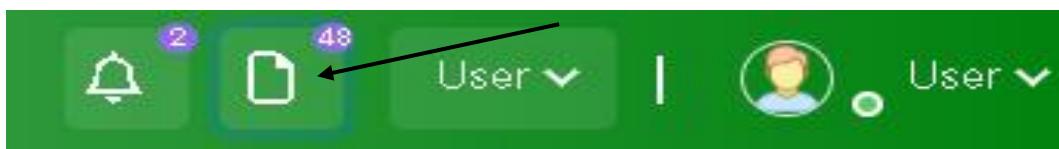
This screenshot shows the same 'Multiple File Upload' page. The 'Remarks' field at the bottom contains the text 'sample'. A file named '1.pdf' with a size of '7.2 KB' is shown in the upload area. An arrow labeled '1' points from the 'Remarks' field to the upload area. An arrow labeled '2' points from the 'Submit' button to the right edge of the page.

3. After giving remarks then click on submit button. A success message will appear which contains file uploaded successfully.



Your document was uploaded successfully

- **File Upload Notifications:**
- Once a file is successfully uploaded, a **notification appears** in the file notification section at the top.



When you click on File Upload Notifications, a dropdown will appear containing the list of uploaded files.

| |
|---|
| Librarian Approved sample.pdf |
| Librarian Rejected sample.pdf |
| Librarian Rejected dummy-pdf.pdf |
| Librarian Rejected Matrix of Digital Library R-1.xlsx |
| Librarian Approved sample.pdf |

"The list of all uploaded files is displayed here. If the User clicks on the recently uploaded files/documents list, another modal will open, showing the file upload notification details.

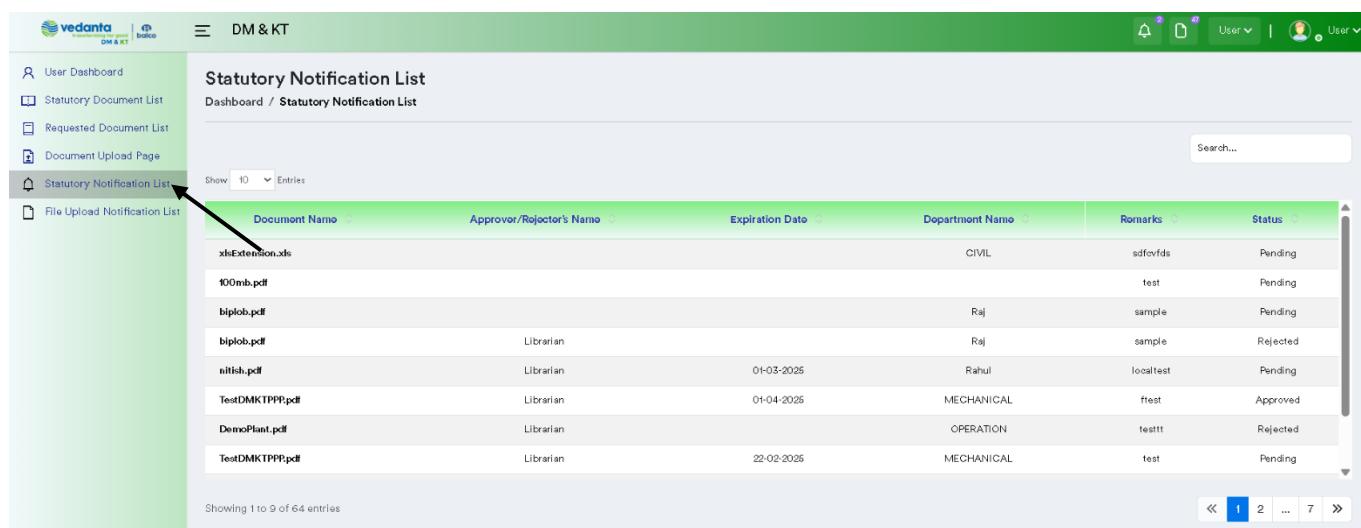
File Upload Notification Details

X

| | | | |
|---------------------------|------------|---------|----------|
| Document Name: | sample.pdf | | |
| Approver/Rejecter's Name: | Librarian | | |
| Executed Date: | 2024-09-18 | Status: | Approved |

The file upload notification details include the document name, approver/rejecter's name, execution date, and status. Once this file upload notification detail is clicked, it will be removed from the File Upload Notifications list.

3.5. Click on Statutory Notification List: The Statutory Notification List Page provides a centralized view of all statutory document requests and their approval statuses. This page helps users track the progress of their document requests and provides transparency in the approval/rejection process.



The screenshot shows the 'Statutory Notification List' page within a web application. The left sidebar has a green header 'DM & KT' and a list of links: User Dashboard, Statutory Document List, Requested Document List, Document Upload Page, and Statutory Notification List (which is highlighted with a red arrow). The main content area has a green header 'Statutory Notification List' and a breadcrumb 'Dashboard / Statutory Notification List'. It includes a search bar and a table with columns: Document Name, Approver/Rejector's Name, Expiration Date, Department Name, Remarks, and Status. The table lists 9 entries. At the bottom, it says 'Showing 1 to 9 of 64 entries' and has navigation buttons for pages 1 through 7.

| Document Name | Approver/Rejector's Name | Expiration Date | Department Name | Remarks | Status |
|-----------------|--------------------------|-----------------|-----------------|-----------|----------|
| xlxEdition.xls | | | CIVIL | sdfcvfids | Pending |
| 100mb.pdf | | | | test | Pending |
| biplob.pdf | | | Raj | sample | Pending |
| biplob.pdf | Librarian | | Raj | sample | Rejected |
| nitish.pdf | Librarian | 01-03-2025 | Rahul | localtest | Pending |
| TestDMKTPPP.pdf | Librarian | 01-04-2025 | MECHANICAL | ftest | Approved |
| DemoPlant.pdf | Librarian | | OPERATION | testtt | Rejected |
| TestDMKTPPP.pdf | Librarian | 22-02-2025 | MECHANICAL | test | Pending |

- Displays all statutory document requests along with their approval status.
 - Key columns included:
 - **Document Name** → Name of the requested statutory document.
 - **Approver/Rejecter's Name** → Name of the librarian or authorized personnel who processed the request.

- **Expiration Date** → If applicable, the date after which the document expires.
- **Department Name** → The department that requested the document.
- **Remarks** → Any additional comments related to the request (e.g., reason for rejection).
- **Status** → Current status of the request (Pending, Approved, or Rejected).

Approval & Rejection Workflow

- **User Requests a Document**
 - Users submit a request for a statutory document via the **Statutory Document List Page**.
- **Librarian Reviews the Request**
 - The librarian evaluates the request and takes one of the following actions:
 - **Approve** → If the document request is valid.
 - **Reject** → If the document request does not meet compliance criteria.
- **Status Update & Notification**
 - Once processed, the document request status is updated on the **Statutory Notification List Page**.
 - The user is notified of the approval/rejection decision.
 - If approved, the document becomes accessible for download via the **Requested Document List Page**.

Status Indicators

- **Pending** → The request is under review.
- **Approved** → The request has been approved, and the document is available for access.

- **Rejected** → The request has been denied, with remarks provided for reference.

Search & Filtering

- Users can search for specific documents by **name, approver, department, or status**.
- The **pagination** feature allows easy navigation through multiple requests.

3.6. Click on File Upload Notification List:

This page allows the User to view the status of uploaded files, including whether they have been approved or rejected by the Librarian.

It provides a list of all uploaded documents along with details such as document name, approver/rejecter name, execution date, and current status.

The screenshot shows a web application interface for 'File Upload Notification List'. The left sidebar has a green header 'vedanta' and a menu with items: User Dashboard, Statutory Document List, Requested Document List, Document Upload Page, Statutory Notification List, and File Upload Notification List (which is highlighted). The main content area has a title 'File Upload Notification List' and a subtitle 'Dashboard / File Upload Notification List'. It includes a search bar and a table with the following data:

| Document Name | Approver/Rejector's Name | Executed Date | Status |
|---------------|--------------------------|---------------|----------|
| dummy-pdf.pdf | Librarian | 2024-09-23 | Approved |
| sample.pdf | Librarian | 2024-09-23 | Approved |
| sample.pdf | Librarian | 2024-09-24 | Rejected |
| dummy-pdf.pdf | Librarian | 2024-09-23 | Approved |
| sample.pdf | Librarian | 2024-09-23 | Approved |
| dummy-pdf.pdf | Librarian | 2024-09-24 | Rejected |
| sample.pdf | Librarian | 2024-09-23 | Approved |
| sample.pdf | Librarian | 2024-09-24 | Approved |

At the bottom, it says 'Showing 1 to 9 of 16 entries' and has a pagination control with pages 1, 2, and 3.

- User Can access the File Upload Notification List.
- Can view the status of uploaded files.
- Can search for specific files using the search bar.
- Can see the approver/rejecter's name and decision (Approved/Rejected).

File Upload Notification List contains:

- Document Table: Displays a list of uploaded documents with the following columns:
- Document Name: Name of the uploaded file.
- Approver/Rejecter's Name: The Librarian responsible for reviewing the document.
- Executed Date: The date on which the file was reviewed.
- Status: Displays whether the file has been Approved or Rejected.

Search Functionality:

- Allows Superuser to search for specific documents.

Pagination:

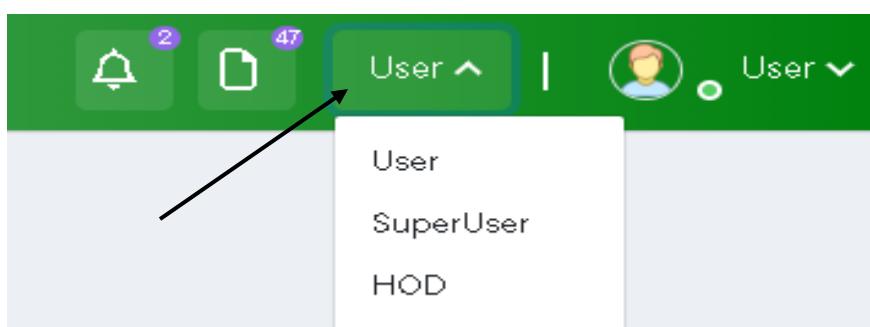
- Allows users to navigate through multiple pages of uploaded files.

Notification Icon:

- Located at the top of the page.
- Displays the count of new file notifications for the Superuser.

File Approval/Rejection Process:

- Superuser uploads a file from the **Document Upload Page**.
- The Librarian reviews the file and either approves or rejects it.
- The decision is recorded in the **File Upload Notification List**.
- Superuser can check the updated status on this page.
- **Click on the " User " button** in the top-right corner.
- A dropdown menu appears with role options: **HOD, User and Superuser**.





1. Clicking on the profile icon.

- Provides access to profile-related options.

Profile

Dashboard / Profile

Das Biplob
Employee ID: 1
Main Role: User
Access Role: User, Admin, HOD

Phone: 9678824924 **Email:** nitish@gmail.com

Plant and Department
CPP-2 (540MW) / OPERATION
CPP-3 (1200MW) / C&I

When we click on "My Profile," the following details are displayed: employee name, employee ID, main role, access roles, phone number, email, assigned plant, and department.

2. Click on "Logout": Allows the Superuser to log out of the system.

4. HOD:

Description: The HOD can normally view documents from all departments, but in restricted mode, they can only view documents from their own department.

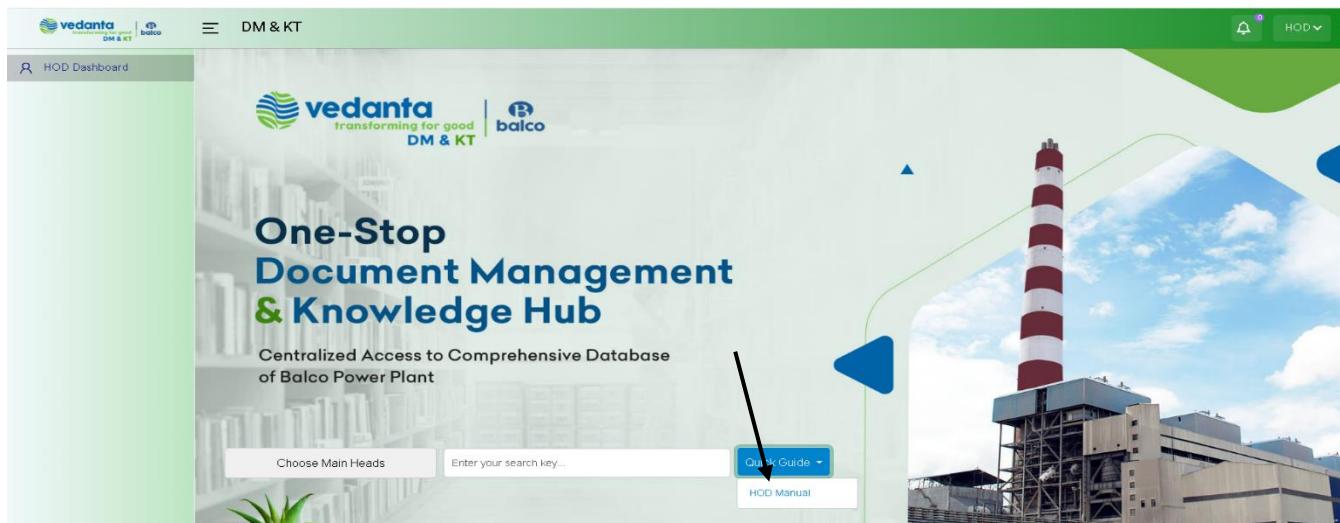


For User Login: Users have to provide **HOD** Login Credentials. Like.

USER USERNAME:

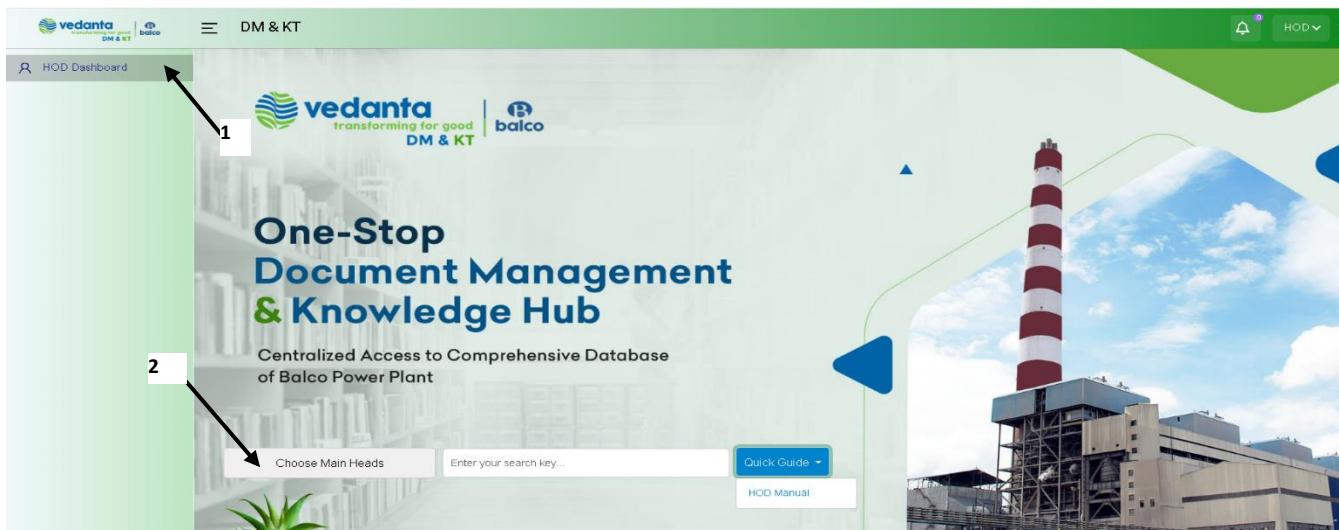
USER PASSWORD:

After entering the credentials, they should click on the login button to enter the application.



The application should look like this after logging in as a user. Here:

This quick guide provides accurate descriptions for all roles.



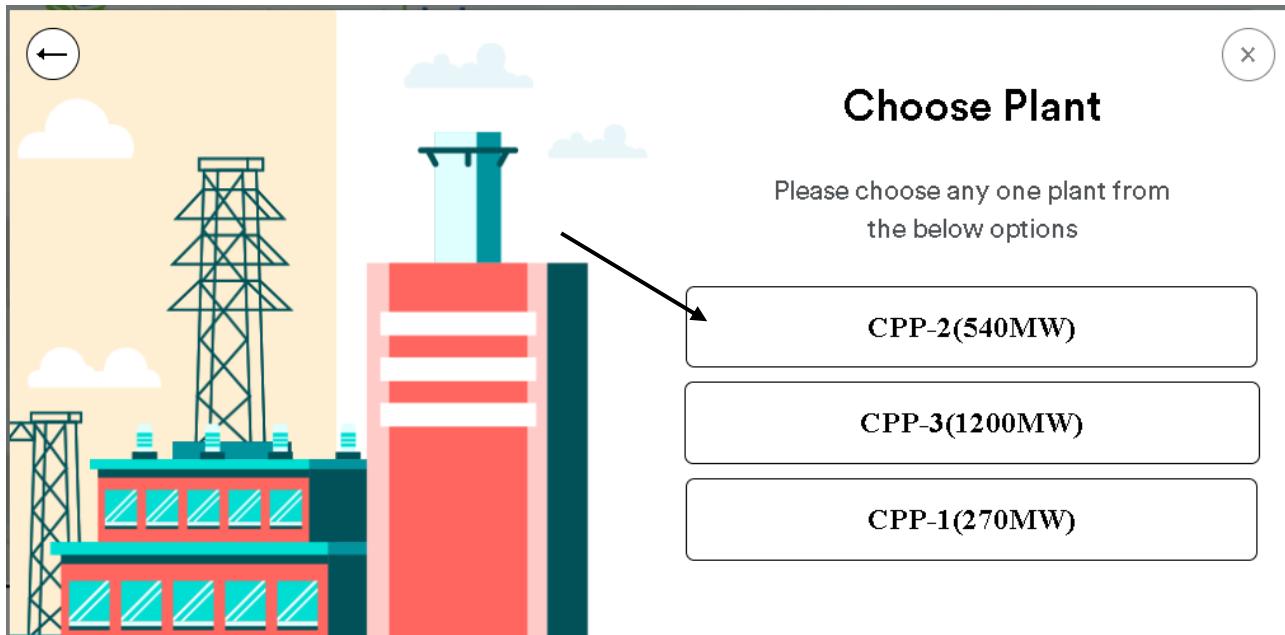
- 3.7. Click on HOD Dashboard:** The user selects the " HOD Dashboard " option from the sidebar menu. The **HOD Dashboard** opens, displaying the "**Choose Main Heads**" button along with a search bar.

Upon clicking "**Choose Main Heads**", a **popup appears** displaying different categories such as:

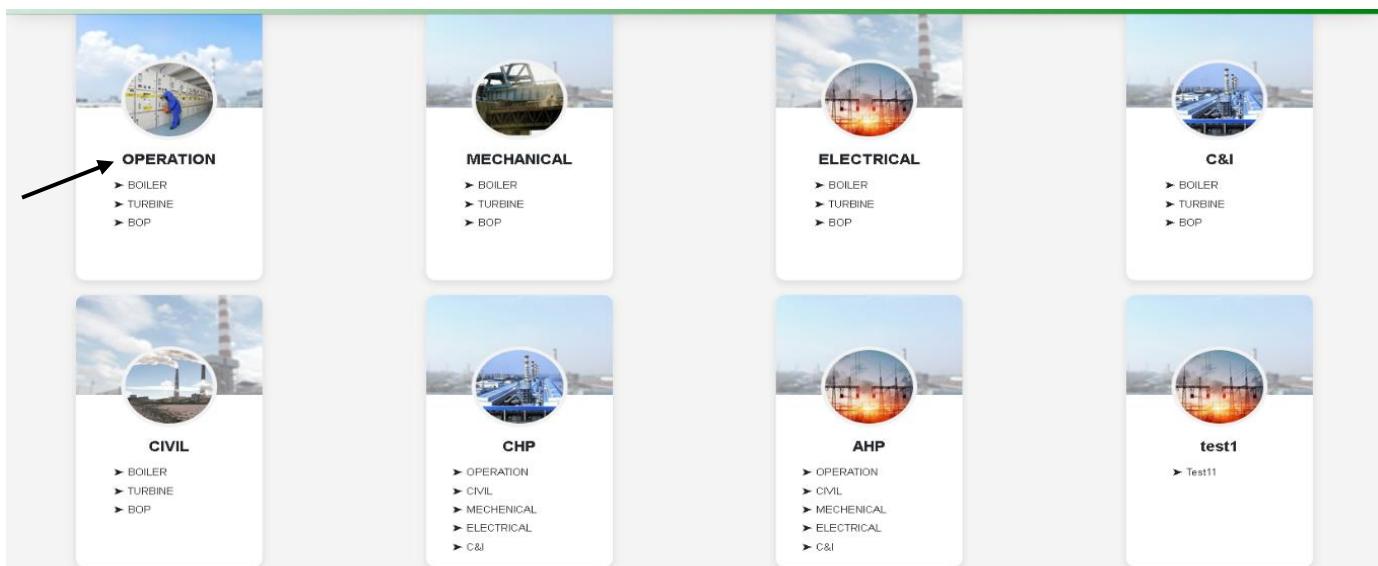
- Power O&M
- Power Sale
- Ash-Dyke
- Plant Infra
- Coal Commercial
- Power Legal
- Planning



- The user selects a **main head** (e.g., **Power O&M**).
- After selecting a **Main Head**, a second **popup appears** asking the user to choose a **plant**, such as:
- **CPP-1 (270MW)**
- **CPP-2 (540MW)**
- **CPP-3 (1200MW)**



The user selects a **plant**, which directs them to the **Department Selection Page**.



The selected **plant** displays a categorized list of **departments**, including:

- **Operation**
- **Mechanical**

- Electrical
- C&I (Control & Instrumentation)
- Civil
- CHP (Coal Handling Plant)
- AHP (Ash Handling Plant)

Each **department** contains **sub-areas**, like Boiler, Turbine, BOP where admins can click on to view **documents**.

The screenshot shows a table of documents under the heading 'OPERATION / BOILER'. The columns are: Document Name, Document Type, Sub-Document Type, Storage Location, Versions, Download, and View. There are three rows of data:

| Document Name | Document Type | Sub-Document Type | Storage Location | Versions | Download | View |
|-----------------------|---------------|-------------------|------------------|-------------------------|-------------------|---------------|
| 5.pdf-[R1-2025-02-24] | Manuals | N/A | Soft Copy | 1 Select Version | 2 Download | 3 View |
| 6.pdf-[R2-2025-03-10] | Contracts | N/A | Soft Copy | Select Version | Download | View |
| 7.pdf-[R1-2025-02-24] | Manuals | N/A | Hard Copy | Select Version | Download | View |

At the top, there are filters for Date Range (4), Specific Filter (5), and Search (6). Below the table, there is a 'Show 10 Entries' dropdown.

By clicking on a **sub-area**,

User can View, Download, or select Versions documents. Here:

- **Document Name:** Name of the file with a reference number.
- **Document Type:** Classifies the document (e.g., Manuals, Contracts).
- **Sub-Document Type:** Additional categorization (if applicable).
- **Storage Location:** Indicates whether the document is stored as a **soft copy** or a **hard copy**.

1. Versions: Allows users to select and view different versions of the document.

2. Download: Provides an option to download the document.

3. View: Allows **Superuser** to preview the document without downloading.

- Files larger than 5 MB can be downloaded but cannot be viewed, whereas files 5 MB or smaller are viewable

HOD can also filter documents based on:

4. **Date Range** (Date Picker on the top-right).
5. **Specific Filters** (Dropdown menu for categorization).

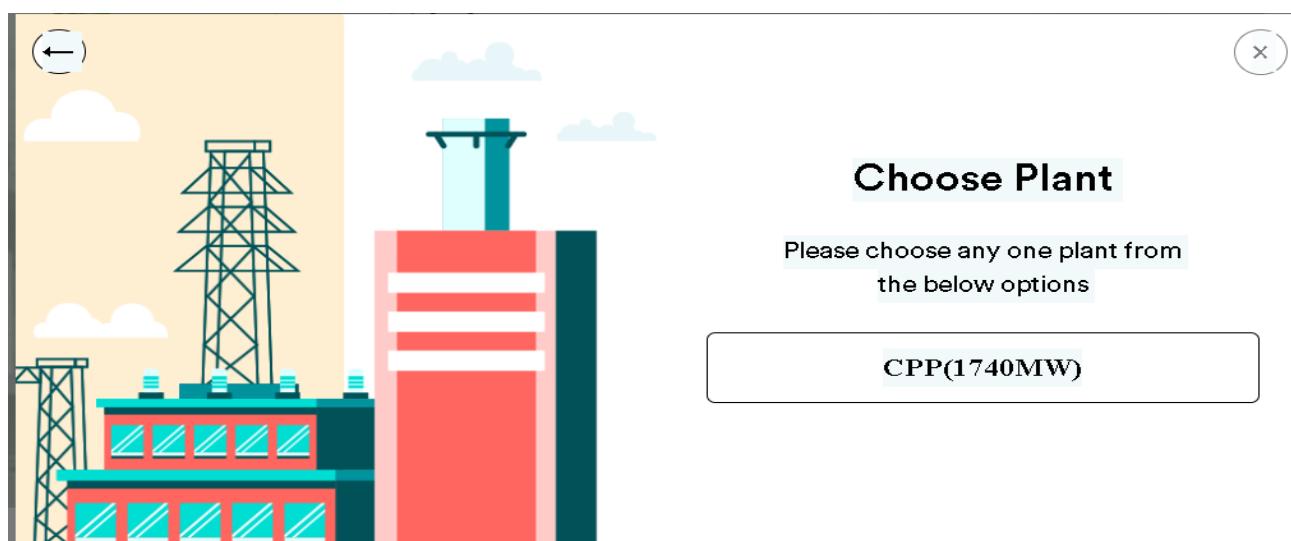
6. Search Bar (Keyword-based search for document retrieval).

Click on Power Sale:



The user selects a **main head** (e.g., **Power Sale**).

- After selecting a **Main Head**, a second **popup appears** asking the user to choose a **plant**.
- CPP (1740MW).



The user selects a **plant**, which directs them to the power sale page where admins can **View, Download, or select Versions documents**. Here:

POWER SALE / CPP (1740MW)

| Document Management Overview | | | | | |
|----------------------------------|---------------|-------------------|------------------|----------------|----------|
| Document Name | Document Type | Sub-Document Type | Storage Location | Versions | Download |
| TestDMKTPPP.pdf-[R6-2025-02-12] | Invoices | N/A | N/A | Select Version | |
| PLant.pdf-[R6-2025-02-13] | Drawing | N/A | N/A | Select Version | |
| sample.pdf-[R22-2025-02-18] | Reports | N/A | N/A | Select Version | |
| TestDoc.docx-[R2-2025-02-20] | Drawing | N/A | N/A | Select Version | |
| xlsExtension.xls-[R2-2025-02-26] | Invoices | N/A | N/A | Select Version | |

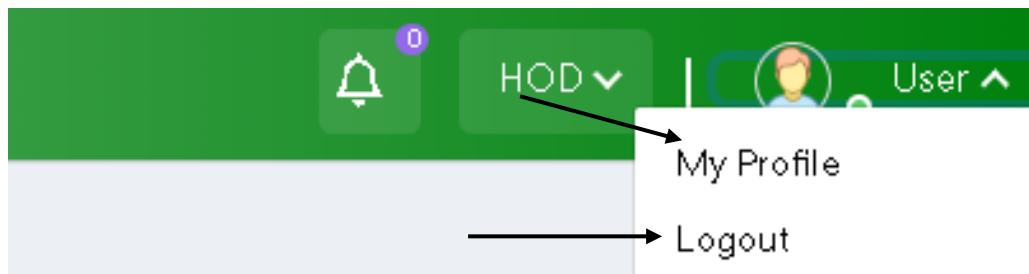
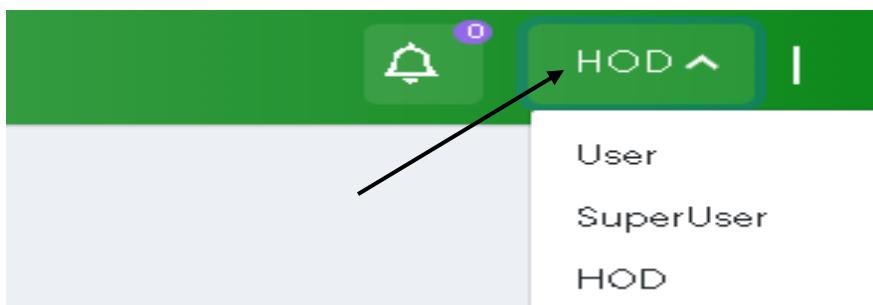
(Same as POWER O&M)

- Document Name:** Name of the file with a reference number.
- Document Type:** Classifies the document (e.g., Manuals, Contracts).
- Sub-Document Type:** Additional categorization (if applicable).
- Storage Location:** Indicates whether the document is stored as a **soft copy** or a **hard copy**.
- Versions:** Allows users to select and view different versions of the document.
- Download:** Provides an option to download the document.
- View:** Allows users to preview the document without downloading.

HOD can also filter documents based on:

- Date Range (Date Picker on the top-right).**
- Specific Filters (Dropdown menu for categorization).**
- Search Bar (Keyword-based search for document retrieval).**
- All other main heads are similar to this.**

- Click on the "User" button in the top-right corner.
- A dropdown menu appears with role options: **HOD, User and Superuser**.



2. Clicking on the profile icon.

- Provides access to profile-related options.

Profile
Dashboard / Profile

Das Biplob
 Employee ID: 1
 Main Role: **HOD**
 Access Role: User, Admin, HOD

| | |
|--------------------------------|--|
| Phone: 9678824924 | Plant and Department CPP-2 (540MW) / OPERATION |
| Email: nitish@gmail.com | CPP-3 (1200MW) / C&I |

When we click on "My Profile," the following details are displayed: employee name, employee ID, main role, access roles, phone number, email, assigned plant, and department.

3. Click on "Logout": Allows the Superuser to log out of the system.

5. Librarian Dashboard:

Description:

- The Librarian can view all types of files, including normal, restricted, and statutory files, categorized by Main Head → Plant → Department → Subarea.
- The Librarian is the sole user in the application authorized to upload various types of files based on the hierarchy: Main Head → Plant → Department → Subarea.
- The Librarian can manage user-related operations such as adding User, Superuser and HOD information, updating details, and activating or deactivating user accounts.
- The Librarian can approve or reject file upload requests and statutory document requests submitted by users and superusers.

(Fig:1)



1. This is the login page for the Librarian, where they enter their username and password to access the application. (Fig:1)

(Fig:2)

The screenshot shows the Vedanta DM & KT Librarian Dashboard. The top navigation bar includes the Vedanta logo, a bell icon with 16 notifications, and two 'Librarian' dropdowns. The left sidebar lists navigation options: Librarian Dashboard, Recent Updated Documents, Upload Document, User Management, Verify Uploaded Doc (with 38 notifications), and A&R Doc List. The main content area features the 'One-Stop Document Management & Knowledge Hub' title, a sub-headline 'Centralized Access to Comprehensive Database of Balco Power Plant', and search fields for 'Choose Main Heads' and 'Enter your search key...'. A 'Quick Guide' button is also present. The background of the main area shows a photograph of a power plant with a tall red and white striped chimney. The bottom of the page includes copyright information, privacy policy, terms & conditions, and social media links.

3. After successfully logging in, the Librarian is redirected to the Librarian Dashboard. (Fig:2)

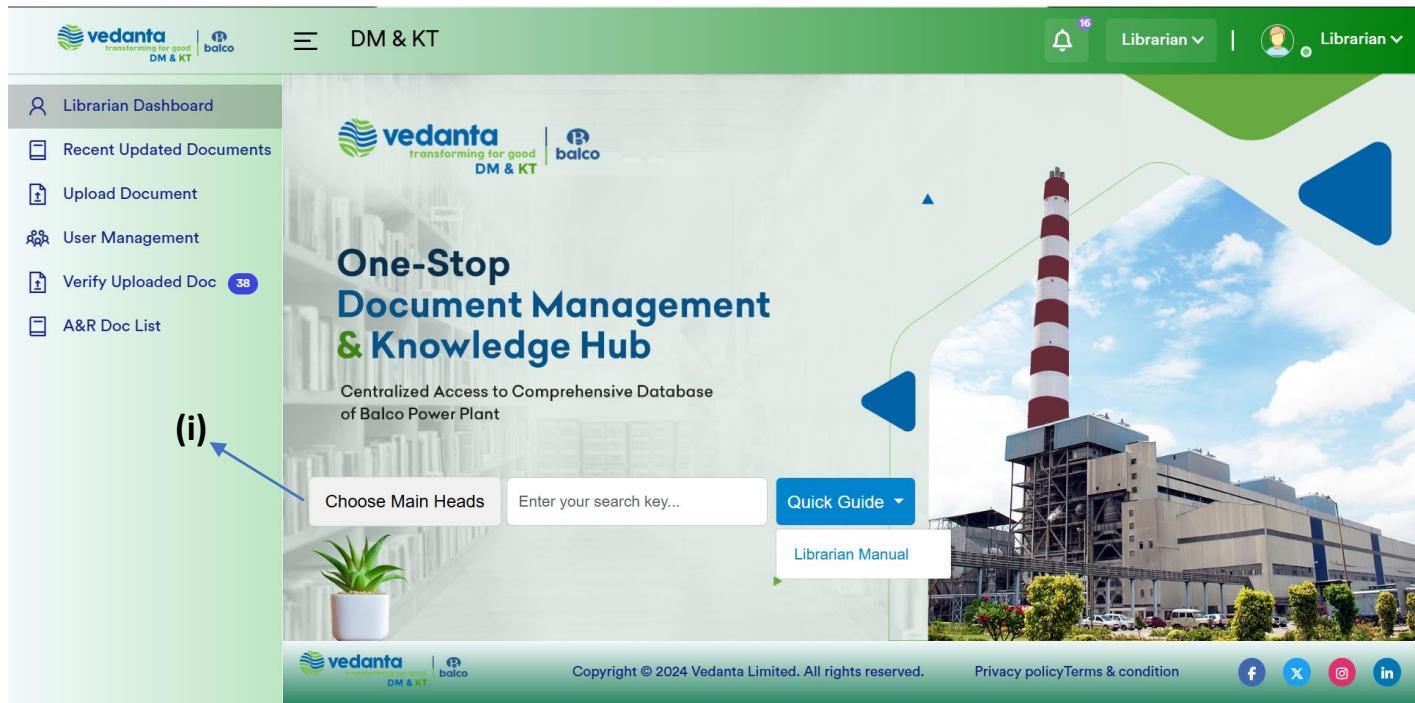
(Fig:3)

This screenshot is identical to Fig:2, showing the Vedanta DM & KT Librarian Dashboard. It includes the same sidebar navigation, main content area with the 'One-Stop Document Management & Knowledge Hub' title, and the power plant photograph in the background. Three blue arrows point to specific elements: (i) points to the 'Librarian Dashboard' link in the sidebar; (ii) points to the 'Enter your search key...' search input field; and (iii) points to the 'Librarian Manual' link within the 'Quick Guide' dropdown menu.

4. In librarian dashboard section there are 3 main functionality-

- i. Librarian can view all types of files categorized by Main Head → Plant → Department → Subarea.
- ii. Librarian Can perform searches across documents. Master Search Feature. (Fig:3)
- iii. Librarian Manual, to know all the functionalities of a librarian

(Fig:3.1)



Upon clicking "Choose Main Heads", a popup appears displaying different categories such as:

- Power O&M
- Power Sale
- Ash-Dyke
- Plant Infra
- Coal Commercial
- Power Legal
- Planning

Choose Main Head



Power O&M



Power Sale



Ash-Dyke



Plant Infra



Coal Commercial

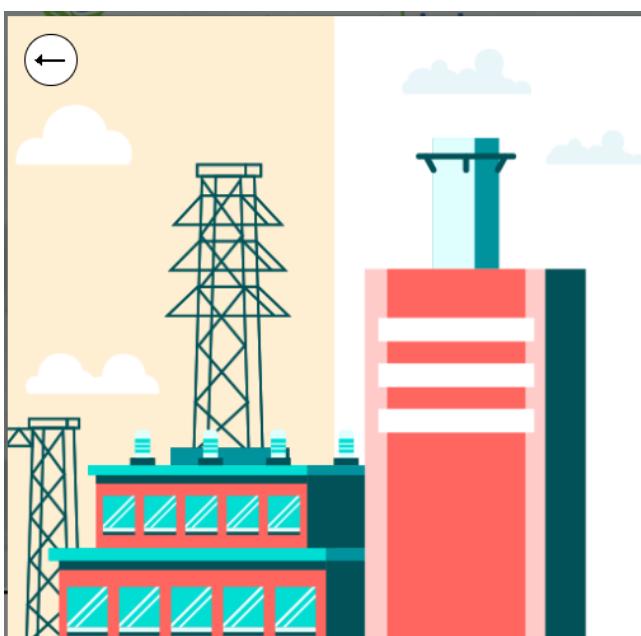


Power Legal



Planning

- The user selects a **main head** (e.g., **Power O&M**).
- After selecting a **Main Head**, a second **popup appears** asking the user to choose a **plant**, such as:
- **CPP-1 (270MW)**
- **CPP-2 (540MW)**
- **CPP-3 (1200MW)**



Choose Plant

Please choose any one plant from
the below options

CPP-2(540MW)

CPP-3(1200MW)

CPP-1(270MW)

The user selects a **plant**, which directs them to the **Department Selection Page**.

The screenshot shows a dashboard for 'POWER O&M - CPP-2 (540MW)'. On the left, there's a sidebar with 'Librarian Dashboard' and various document management options. The main area displays eight categories in a grid:

- OPERATION**: Sub-areas: BOILER, TURBINE, BOP.
- MECHANICAL**: Sub-areas: BOILER, TURBINE, BOP.
- ELECTRICAL**: Sub-areas: BOILER, TURBINE, BOP.
- C&I**: Sub-areas: BOILER, TURBINE, BOP.
- CIVIL**: Sub-areas: BOILER, TURBINE, BOP.
- CHP**: Sub-areas: OPERATION, CIVIL, MECHANICAL, ELECTRICAL.
- AHP**: Sub-areas: OPERATION, CIVIL, MECHANICAL, ELECTRICAL.
- test1**: Sub-area: Test11.

The selected **plant** displays a categorized list of **departments**, including:

- **Operation**
- **Mechanical**
- **Electrical**
- **C&I (Control & Instrumentation)**
- **Civil**
- **CHP (Coal Handling Plant)**
- **AHP (Ash Handling Plant)**

Each **department** contains **sub-areas**, like Boiler, Turbine, BOP where admins can click on to view **documents**.

| Document Name | Document Type | Sub-Document Type | Storage Location | Versions | Download | View |
|---|---------------|-------------------|------------------|----------------|----------|------|
| file-example_DEMO TEST.pdf -[R1-2025-01-16] | Manuals | N/A | Soft Copy | Select Version | | |
| Matrix of Digital Library R-1.xlsx -[R100-2025-01-16] | LOGICS | N/A | Soft Copy | Select Version | | |
| PLant.pdf -[R1-2024-12-17] | Invoices | N/A | Soft Copy | Select Version | | |
| sample.pdf -[R1B-2025-01-06] | Reports | N/A | Soft Copy | Select Version | | |
| sample1.dwg -[R1-2025-01-27] | Drawing | P&ID | 1 Soft Copy | Select Version | | |

By clicking on a **sub-area**, admins can **View, Download, or select Versions** documents. Here:

- **Document Name:** Name of the file with a reference number.
 - **Document Type:** Classifies the document (e.g., Manuals, Contracts).
 - **Sub-Document Type:** Additional categorization (if applicable).
 - **Storage Location:** Indicates whether the document is stored as a **soft copy** or a **hard copy**.
1. **Versions:** Allows users to select and view different versions of the document.
 2. **Download:** Provides an option to download the document.
 3. **View:** Allows users to preview the document without downloading.
- Files larger than 5 MB can be downloaded but cannot be viewed, whereas files 5 MB or smaller are viewable

Librarian can also filter documents based on:

1. **Date Range** (Date Picker on the top-right).
2. **Specific Filters** (Dropdown menu for categorization).

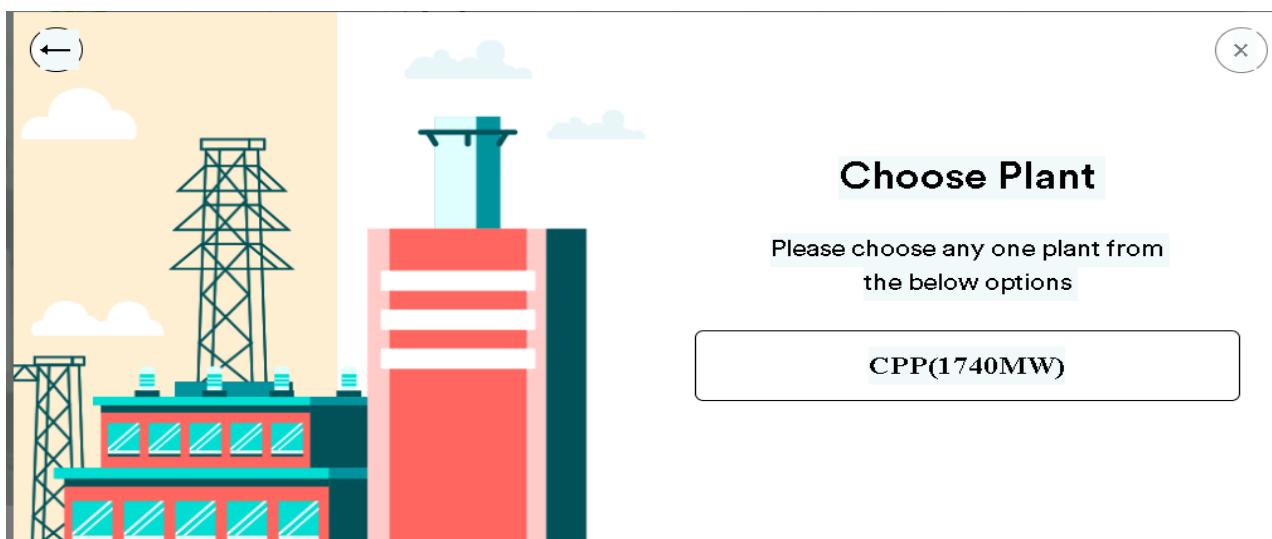
3. Search Bar (Keyword-based search for document retrieval).

Click on Power Sale:



The user selects a **main head** (e.g., **Power Sale**).

- After selecting a **Main Head**, a second **popup appears** asking the user to choose a **plant**.
- CPP (1740MW)



The user selects a **plant**, which directs them to the power sale page where admins can **View, Download, or select Versions documents**. Here:

| Document Name | Document Type | Sub-Document Type | Storage Location | Versions | Download | View |
|------------------------------------|---------------|-------------------|------------------|----------------|----------|------|
| TestDMKTPPP.pdf - [R5-2025-02-12] | Invoices | N/A | N/A | Select Version | | |
| PLant.pdf - [R6-2025-02-13] | Drawing | N/A | N/A | Select Version | | |
| sample.pdf - [R22-2025-02-18] | Reports | N/A | N/A | Select Version | | |
| TestDoc.docx - [R2-2025-02-20] | Drawing | N/A | N/A | Select Version | | |
| xlsExtension.xls - [R2-2025-02-25] | Invoices | N/A | N/A | Select Version | | |

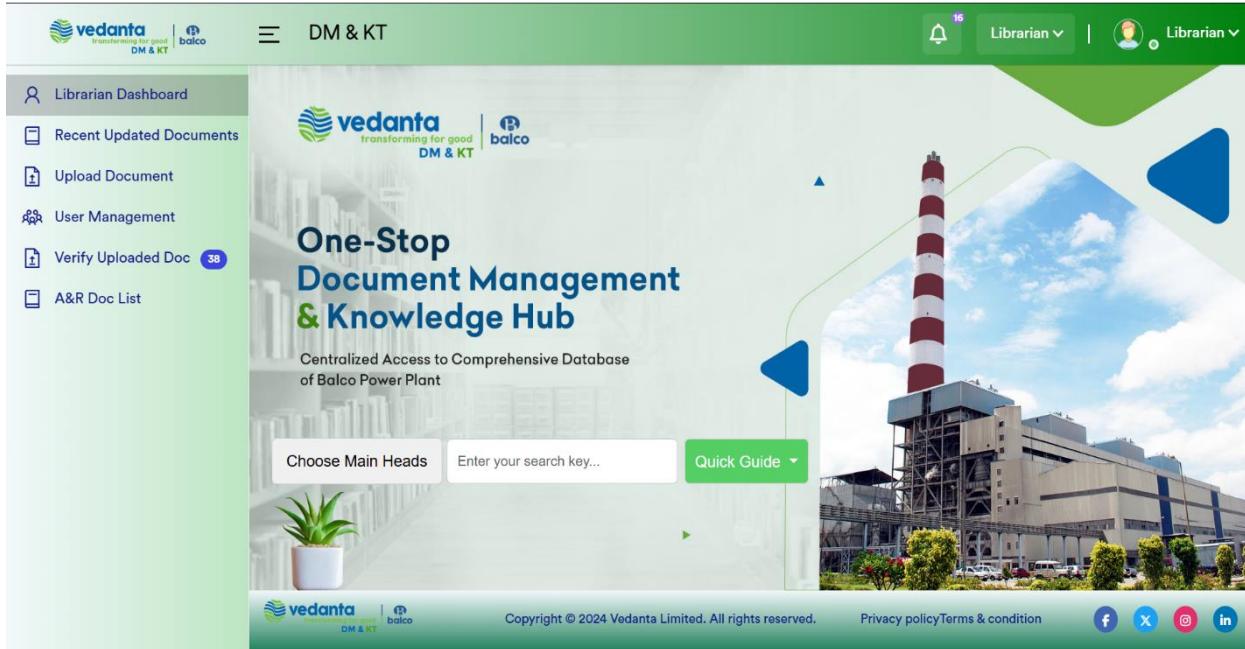
(Same as POWER O&M)

- **Document Name:** Name of the file with a reference number.
- **Document Type:** Classifies the document (e.g., Manuals, Contracts).
- **Sub-Document Type:** Additional categorization (if applicable).
- **Storage Location:** Indicates whether the document is stored as a **soft copy** or a **hard copy**.
- **Versions:** Allows users to select and view different versions of the document.
- **Download:** Provides an option to download the document.
- **View:** Allows users to preview the document without downloading.

Librarian can also filter documents based on:

- **Date Range (Date Picker on the top-right).**
- **Specific Filters (Dropdown menu for categorization).**
- **Search Bar (Keyword-based search for document retrieval).**
- **All other main heads are similar to this.**

5.1. Click on User Management: The User Management page is designed for admin to manage users within the system. Admins can add, remove, activate, or deactivate users, HOD etc. as required. Additionally, different roles can be assigned to users based on the admin's discretion.



5.2. Librarian Side Menu: It has multiple functionalities, such as: -

- **Dashboard**
- **Recent Updated Documents**
- **Upload Document**
- **User Management**
- **Verify Upload Doc**
- **A&R Doc List (Approve & Reject Document List)**

Other features:

- **Statutory Document Approved Feature from the Header Notification**

5.3. Recent Updated Documents:

Here Librarian can see all the recent uploaded document details.

| Document Name | Document Extension | Department Name | Sub-Area | Storage Location | Document Type | Sub-Document Type | Action |
|------------------|--------------------|-----------------|------------|------------------|---------------|-------------------|--------|
| TS.png | .png | N/A | N/A | N/A | Bills | N/A | |
| 100mb.pdf | .pdf | CIVIL | BOILER | Soft Copy | Reports | N/A | |
| xlsExtension.xls | .xls | CHP | ELECTRICAL | Soft Copy | Invoices | N/A | |
| xlsExtension.xls | .xls | CIVIL | TURBINE | Soft Copy | Reports | N/A | |
| 100mb.pdf | .pdf | N/A | N/A | Soft Copy | Invoices | N/A | |

Showing 1 to 4 of 5 entries

It has date filter and search functionalities.

Upload Document:

In this hierarchy-based file upload feature, documents should be uploaded correctly according to the hierarchy present in the Balco.

Upload Documents
Dashboard / Upload Documents

Upload Files (.pdf, .docx, .xlsx, .jpeg, .dwg, .jpg, .txt, .csv, .xls, .ppt, .png)*

Multiple File Upload

Drag and drop file here or [Browse for file](#)

Main Heads*

Document Type*

Storage Location*

Statutory Documents

Restricted Documents

Submit

In this document upload feature, the librarian can upload a document and choose the Main Head. After selecting the Main Head, the Plant dropdown is automatically displayed and can be selected.

The screenshot shows the 'Librarian Dashboard' section of the 'DM & KT' application. On the left, there's a sidebar with links: 'Librarian Dashboard', 'Recent Updated Documents' (with 38 items), 'Upload Document', 'User Management', 'Verify Uploaded Doc' (with 38 items), and 'A&R Doc List'. The main area has a green header bar with the 'vedanta' logo, 'balico', and 'Librarian' status. Below the header, the title 'Multiple File Upload' is displayed. A large dashed box contains instructions: 'Drag and drop file here or Browse for file'. A file named 'Plant.pdf' (260.35 KB) is shown being uploaded. To the right, there are several dropdown menus and checkboxes: 'Main Heads*' set to 'POWER O&M', 'Plants*' set to '--Select--', 'Document Type*' set to '--Select--', 'Storage Location*' set to '--Select--', and two checkboxes for 'Statutory Documents' and 'Restricted Documents'.

In the image above, we can see the Plans dropdown. After selecting it, the Department dropdown is displayed. Once the appropriate department is selected, the Sub-Area dropdown will also be shown. After that, select the Document Type. If "Drawing" is chosen as the Document Type, the Sub-Document Type dropdown will be displayed and must be selected. Finally, select the Storage Location.

If the Document Type selected is anything other than "Drawing," the Sub-Document Type dropdown will not be displayed. After this, there are two checkboxes: one for **Statutory Documents** and another for **Restricted Documents**.

- If the document is a **Statutory Document**, select the **Statutory** checkbox.
- If the document is a **Restricted Document**, select the **Restricted** checkbox.
- If neither checkbox is selected, the uploaded document will be considered a **Normal Document**.

DM & KT

Librarian | Librarian

Upload Files (.pdf, .docx, .xlsx, .jpeg, .dwg, .jpg, .txt, .csv, .xls, .ppt, .png)*

Multiple File Upload

Drag and drop file here or [Browse for file](#)

Plant.pdf 260.35 KB

Main Heads* POWER O&M

Plants* CPP-2 (540MW)

Department* MECHANICAL

Sub-Area* BOILER

Document Type* Drawing

Sub-Doc Type* SLD

Storage Location* Soft Copy

Statutory Documents

Restricted Documents

Note: Do not select both the **Statutory Documents** and **Restricted Documents** checkboxes at the same time while uploading the document.

DM & KT

Librarian | Librarian

Upload Files (.pdf, .docx, .xlsx, .jpeg, .dwg, .jpg, .txt, .csv, .xls, .ppt, .png)*

Multiple File Upload

Drag and drop file here or [Browse for file](#)

Plant.pdf 260.35 KB

Plants* CPP-2 (540MW)

Department* MECHANICAL

Sub-Area* BOILER

Document Type* Drawing

Sub-Doc Type* SLD

Storage Location* Soft Copy

Statutory Documents

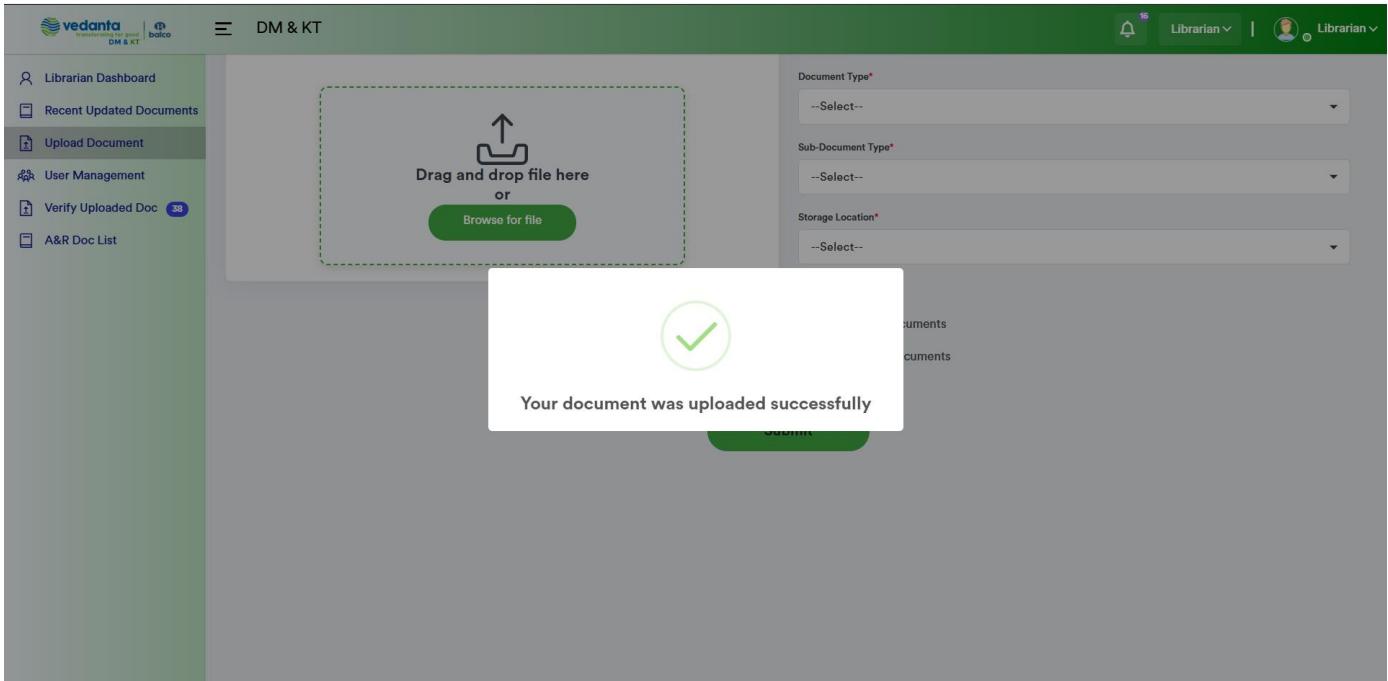
Restricted Documents

[Submit](#)

Here, multiple documents can also be uploaded, but the document file type must match the specified formats. The maximum file size for each document is 200 MB and cannot exceed this limit.

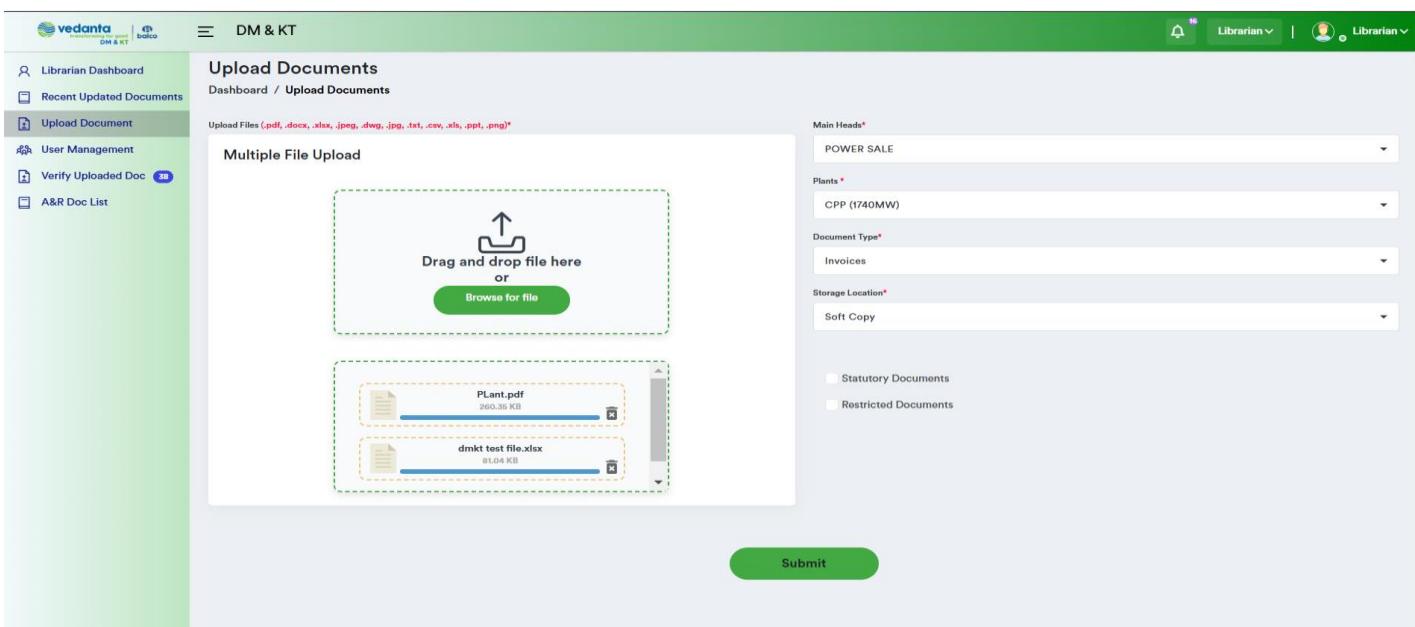
If the total file size is large, the upload process may take some time. It is advisable to wait until you see the popup message: "Your document was uploaded successfully."

After clicking the **Submit** button, the document will be uploaded, and a popup will be displayed confirming the successful upload.

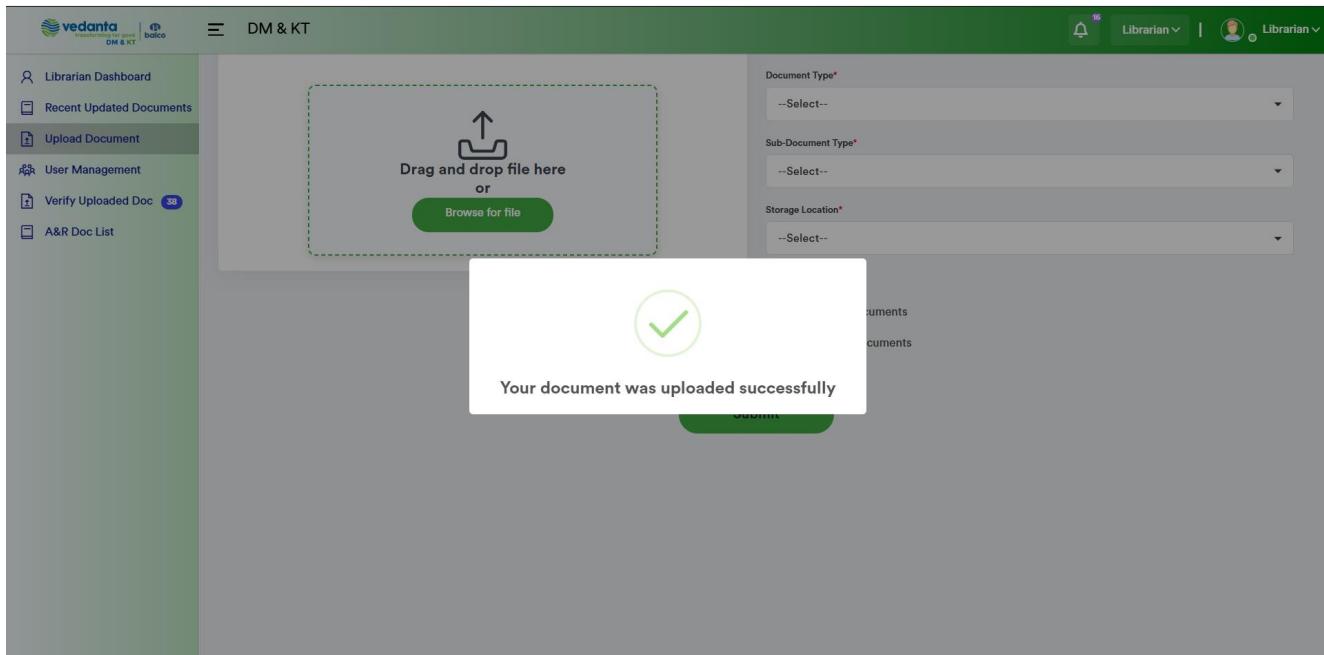


When you see this popup, it means the document has been uploaded successfully. If the popup does not appear, please wait for some time, as larger file sizes may take longer to upload. The upload speed also depends on your internet speed and connectivity.

If the Main Head selected is anything other than Power O&M, certain fields or options may be adjusted accordingly.

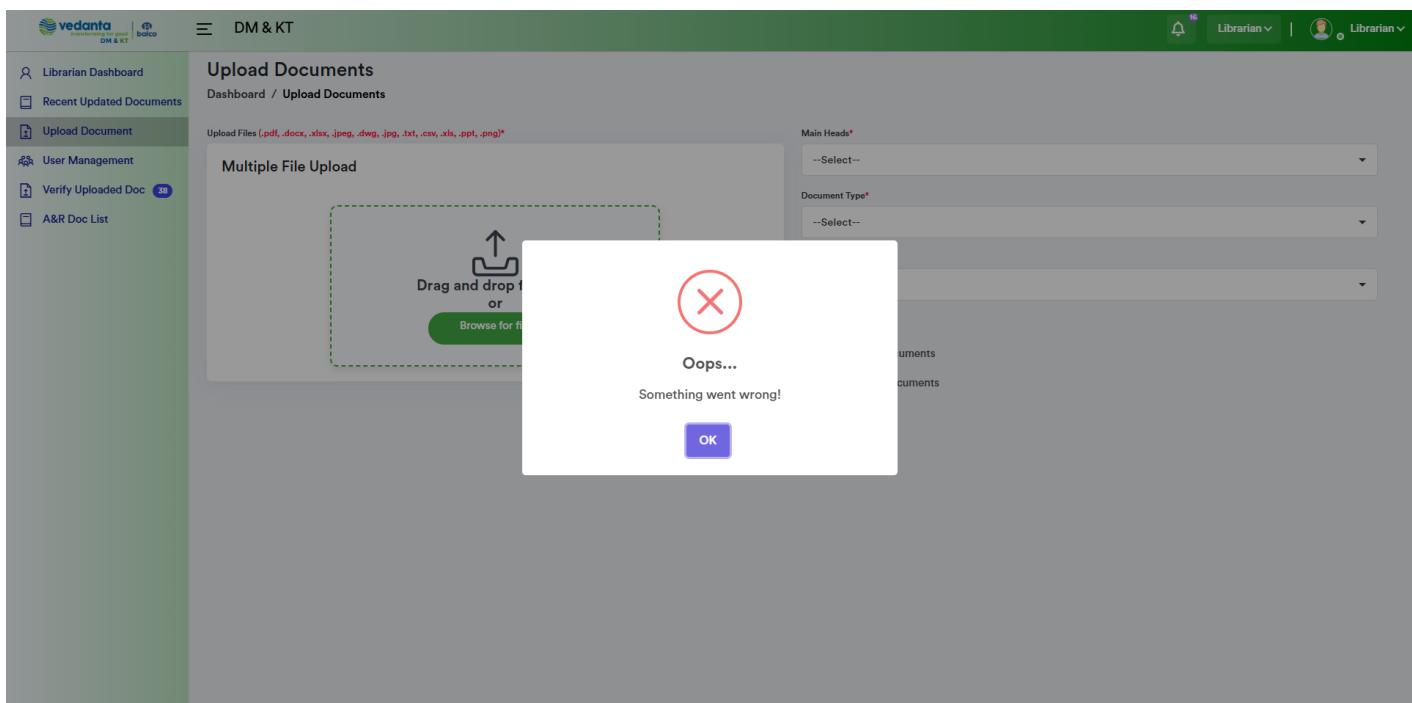


Please ensure the correct selection before proceeding.



After submitting, a successful popup message will be displayed if the document is uploaded correctly.

If there is an issue with the upload, a failure message will be shown indicating the error. Please check the message and take the necessary action accordingly.



Note: If the document is not successfully submitted or if there is an issue with the submission, a failure message will always be displayed. This message will indicate the error, allowing you to correct the issue and try again.

5.4. User Management Page:

On this page, the **Librarian** can:

- **Add new Users, Superusers, and HODs.**
- **View the list of existing Users, Superusers, and HODs in Balco.**
- **Edit the details of Users, Superusers, and HODs as needed.**

The screenshot shows the 'User Management' section of the 'DM & KT' application. On the left sidebar, there are links for Librarian Dashboard, Recent Updated Documents, Upload Document, User Management (which is highlighted), Verify Uploaded Doc (with 28 notifications), and A&R Doc List. The main area has a title 'User Management' and a subtitle 'Dashboard'. It features a search bar, dropdowns for 'Plant' and 'Department', and a green 'SEARCH' button. Below these are two dropdown menus for 'Show' (10 entries) and 'Entries'. The main table lists six employees with columns for Employee Name, Employee ID, Email ID, Mobile, Employee Role, Plant, and Department. The data is as follows:

| Employee Name | Employee ID | Email ID | Mobile | Employee Role | Plant | Department |
|---------------|-------------|---------------------|-------------|---------------|-------------------------------|------------------------|
| User | 1 | stiphen@email.com | 9678828897 | User | CPP-2 (540MW), CPP-3 (1200MW) | OPERATION, C&I |
| Admin | 2 | admin@email.com | 8825524978 | User | CPP-2 (540MW), CPP-2 (540MW) | ELECTRICAL, ELECTRICAL |
| Librarian | 3 | librarian@email.com | 7825522878 | Librarian | CPP-2 (540MW) | CHP |
| SuperUser | 4 | superuser@email.com | 66285528924 | User | CPP-2 (540MW), CPP-2 (540MW) | OPERATION, OPERATION |
| HOD | 5 | hod@email.com | 99425528924 | User | CPP-2 (540MW) | ELECTRICAL |
| Pritam | 6 | pritam21@email.com | 9678824844 | HOD | CPP-2 (540MW), CPP-3 (1200MW) | OPERATION, C&I |

At the bottom, it says 'Showing 1 to 10 of 53 entries' and has a navigation bar with pages 1 through 6.

This page includes:

- **Search Functionality** to quickly find Users, Superusers, and HODs.
- **Plant-wise Filter** to view records based on specific plants.
- **Department-wise Filter** to narrow down the list by department.

8

After clicking the **Add Employee** button, a **popup** will open where details for a new **User, Superuser, or HOD** can be added, including:

- **Employee Image**
- **Name**
- **Email ID**
- **Phone Number**
- **Plant**

- **Department**
- **Role Permission:** Here it denotes that an employee can have multiple roles.

Note: To map an employee to a **Department**, the **Plant** must be selected first.

The screenshot shows a modal window titled "Add Employee Modal". The modal has a green header bar. Inside, there's a section for "Image Upload" with a dashed green box containing an "Upload" icon and the text "Drag and drop file here or Browse for file". Below this are input fields for "Employee Name *", "Email ID *", "Phone *", and "Plants *". The "Plants" field is a dropdown menu labeled "Select Plant". There's also a "Department" dropdown menu with the placeholder "--Select--". At the bottom, there's a "Role Permission" section with checkboxes for "User", "SuperUser", "HOD", and "IsActive". The "IsActive" checkbox is currently unchecked. At the very bottom right are "Reset" and "Submit" buttons.

In the **Role Permission** section:

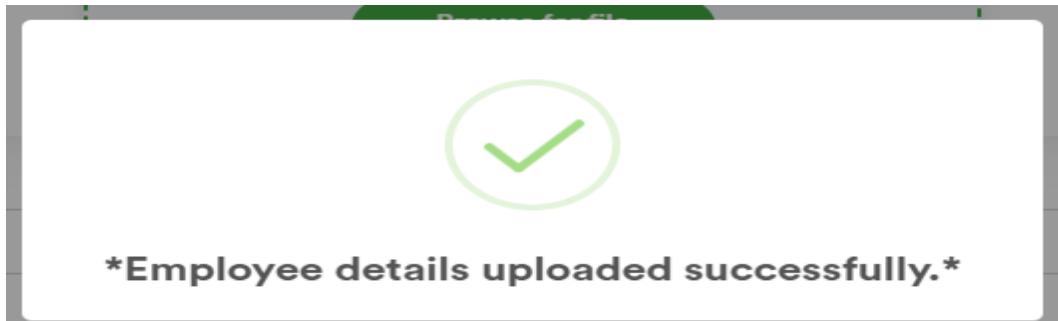
- The **IsActive** checkbox indicates whether an employee is **active** and currently working in the company.
- If **selected**, the employee is **active** and can access the **DMKT Web Application**.
- If **unselected**, the employee is **inactive** and **cannot** use the application.

- The **Librarian** must carefully select the **roles** for the employee by checking the appropriate role checkboxes.

Click on the Submit button once the form is filled. Fields marked with (*) are mandatory and must be completed before submission.

After submitting the form, you will see a popup displaying:

"Employee details uploaded successfully."



Form Submitted Successfully.

Edit Employee Feature:

| Employee ID | Email ID | Mobile | Employee Role | Plant | Department | Status | Action |
|---------------------|-------------|-------------|---------------|-------------------------------|------------------------|-------------------|---------------------------|
| stephen@email.com | 9678828897 | 9678828897 | User | CPP-2 (540MW), CPP-3 (1200MW) | OPERATION, C&I | Active | More Options |
| admin@email.com | 8825524978 | 8825524978 | User | CPP-2 (540MW), CPP-2 (540MW) | ELECTRICAL, ELECTRICAL | Edit | More Options |
| librarian@email.com | 7825522878 | 7825522878 | Librarian | CPP-2 (540MW) | CHP | Active | More Options |
| superuser@email.com | 66285528924 | 66285528924 | User | CPP-2 (540MW), CPP-2 (540MW) | OPERATION, OPERATION | Active | More Options |
| hod@email.com | 99425528924 | 99425528924 | User | CPP-2 (540MW) | ELECTRICAL | Deactive | More Options |
| pritam21@email.com | 9678824844 | 9678824844 | HOD | CPP-2 (540MW), CPP-3 (1200MW) | OPERATION, C&I | Active | More Options |

When you click on the **three dots** under the **Action** header, the **Edit** option will appear. Clicking on **Edit** will open a **popup form** pre-filled with the details of the selected employee, allowing you to make necessary changes.

Edit Employee Modal

x

Image Upload

Drag and drop file here
or
[Browse for file](#)

Employee Name *

Email ID*

Phone *

Plant Name

Department Name

Role Permission

User

SuperUser

HOD

IsActive

Roles

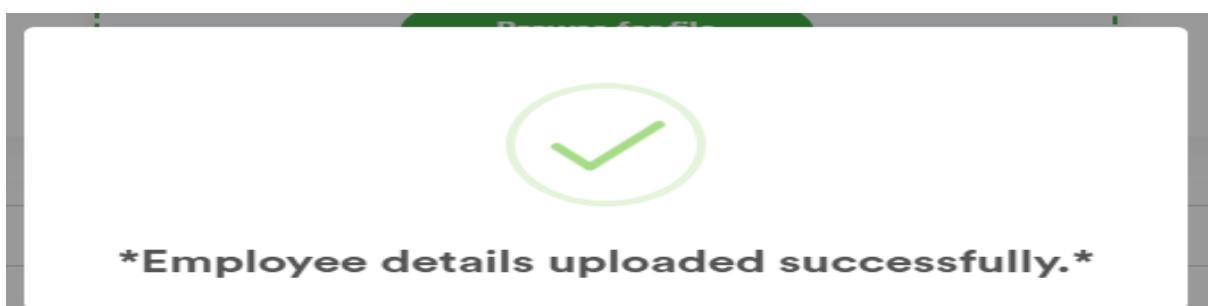


[Submit](#)

Here, the **Librarian** can only edit:

- **Employee Image**
- **Role Permissions**

Other employee details cannot be modified.



Upon submission, a **successful popup message** will be displayed confirming the changes.

5.5. Verify Uploaded Document:

When a **User/Superuser** uploads a document, it appears on the **Verify Uploaded Document** page for the **Librarian** to review.

Librarian Actions:

- Download the Document** – Review the uploaded file.
- View Remarks** – Check any comments provided by the uploader.
- Approve the Document** – If the document is correct, upload it according to the hierarchy.
- Reject the Document** – If incorrect, reject the request while providing a reason for rejection.

| Document Name | Requestor Id | Requestor Name | Remarks | Action | Status |
|----------------------------|--------------|----------------|---------|--------|--------|
| SamplePNGImage_100kbmb.png | 15 | User2 | demo | | |
| SamplePNGImage_100kbmb.png | 15 | User2 | demo | | |
| SamplePNGImage_100kbmb.png | 15 | User2 | hhhh | | |
| SamplePNGImage_100kbmb.png | 15 | User2 | sample | | |
| samplelet.dwg | 3 | Librarian | sample | | |
| samplelet.dwa | 15 | User2 | sample | | |

When clicking on the **Approve** button, a **popup** will open displaying fields to:

- Confirm the **document details**.
- Select the appropriate **hierarchy** for uploading.
- Click **Submit** to finalize the approval process.

Upload Approved Document

Upload Files (.pdf, .docx, .xlsx, .jpeg, .dwg, .jpg, .txt, .csv, .xls, .ppt, .png)*

Multiple File Upload

Drag and drop file here
or

Browse for file

Main Heads*

--Select--

Document Type*

--Select--

Storage Location*

--Select--

Statutory Documents

Restricted Documents

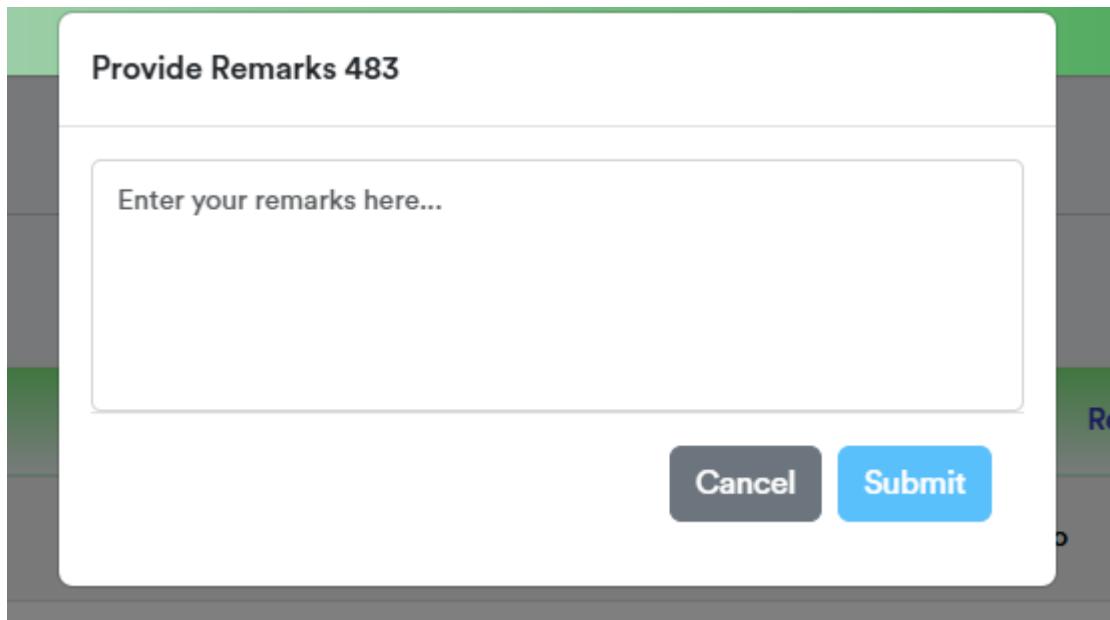
Submit

The **downloaded and verified document** must be uploaded through this **modal**, which has the **same features** as the **Upload Document** page available in the **Librarian** side menu.

Key Features (Same as Upload Document Page):

- **Select Main Head, Plant, Department, and Sub-Area** as per the hierarchy.
- **Choose Document Type** (If "Drawing" is selected, the **Sub-Document Type** dropdown will appear).
- **Select Storage Location.**
- **Mark as Statutory or Restricted Document (if applicable).**
- **Ensure the document file type is correct and within the 200MB limit.**
- **Click Submit to upload** the document.

Upon successful upload, a **confirmation popup** will appear. If there is an issue, a **failure message** will be displayed.



Upon clicking the **Reject** button, a **popup** will appear where the **reason for rejection** must be selected from the available options.

Steps:

1. **Select the Reason for Rejection** from the dropdown or input field.
2. **Provide Additional Comments (if required).**
3. **Click the Submit button** to finalize the rejection.

Once submitted, the document request will be marked as **rejected**, and the uploader will be notified accordingly.

5.6. A&R Doc List:

| A & R Document List | | | | | | |
|----------------------------|--------------|-------------------------|---------------|---------------|--------|-----------------------|
| Show 10 Entries | | 03/06/2025 - 03/20/2025 | | Search... | | |
| Document Name | Requestor Id | Requestor Name | Executor Name | Executed Time | Action | Status |
| SamplePNGImage_100kbmb.png | 15 | User2 | Librarian | 2025-03-20 | | Rejected |
| SamplePNGImage_100kbmb.png | 15 | User2 | Librarian | 2025-03-20 | | Approved |

Here, the Librarian can view all approved and rejected documents that were processed on the Verify Uploaded Document page.

Features:

- Approved Documents – View details of successfully verified and uploaded documents.
- Requestor and Executor's Name – Track who uploaded and processed the document.
- Search & Filter – Find specific documents based on status, plant, department, or other criteria.
- Date-Time Filter – Filter documents based on a selected time range.

This allows the Librarian to efficiently manage and track all document approvals and rejections.

Statutory Document Request Notifications:

The screenshot shows the Vedanta DM & KT platform. On the left, there's a sidebar with options like Librarian Dashboard, Recent Updated Documents, Upload Document, User Management, Verify Uploaded Doc, and A&R Doc List. The main area features the Vedanta logo and the text "One-Stop Document Management & Knowledge Hub". Below it is a search bar with placeholder "Enter your search key..." and a "Quick Guide" button. A large image of a power plant is visible. A modal window titled "Statutory Document Status" is open, listing five requests:

- User requested a document xlExtension.xls
- User requested a document 100mb.pdf
- User requested a document biplob.pdf
- User requested a document nitish.pdf
- Librarian requested a document DemoPlant.pdf

Below this, another modal shows a list of requests:

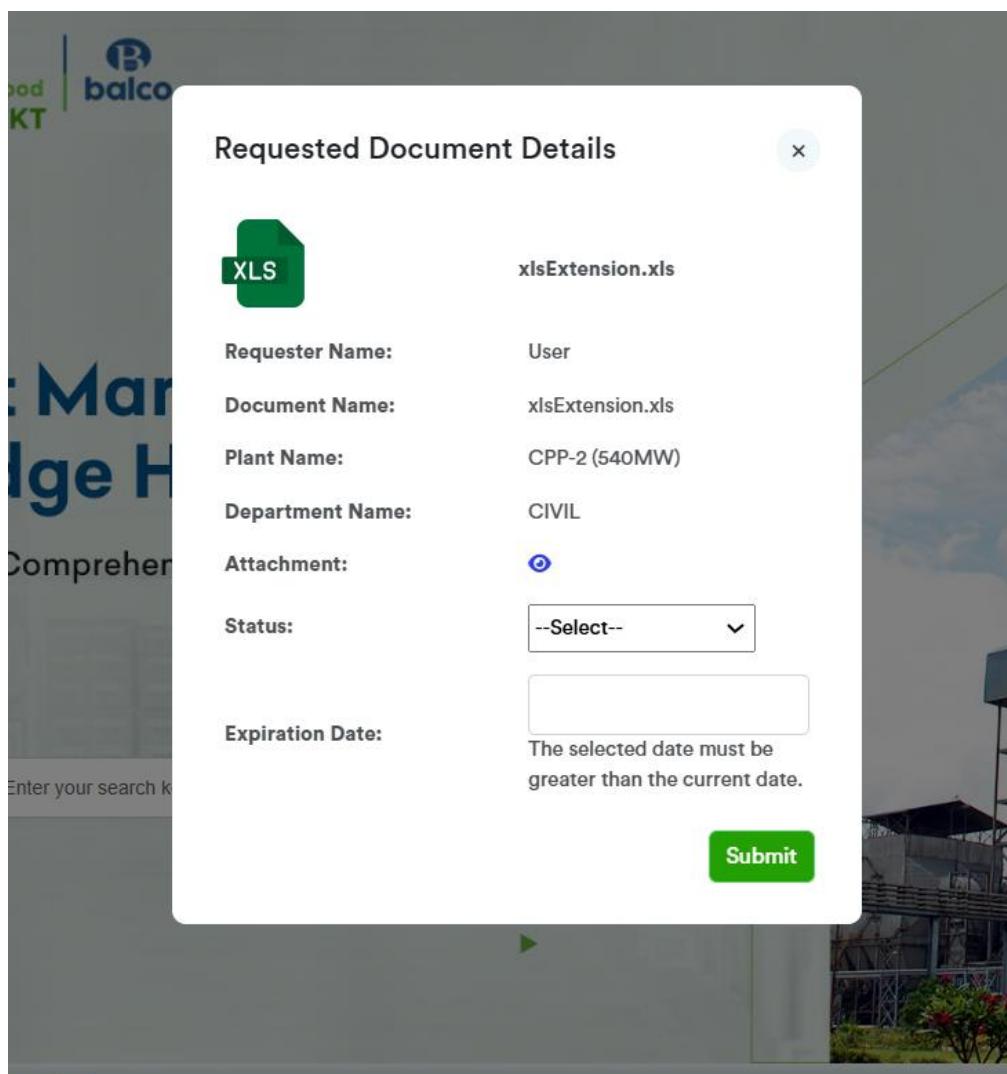
- User requested a document 100mb.pdf
- User requested a document biplob.pdf
- User requested a document nitish.pdf
- Librarian requested a document DemoPlant.pdf

In this feature, all **requests for statutory documents** submitted by users are listed.

Functionality:

- The **Librarian** can see all incoming requests for statutory documents.
- Clicking on a **specific notification or request name** will open a **popup**.
- The popup allows the **Librarian** to either **approve** or **reject** the request.
- If rejecting, the **reason for rejection** must be provided.

This ensures that statutory document requests are reviewed and processed efficiently.



This image shows a "**Requested Document Details**" popup window, which appears when reviewing a **statutory document request**.

Key Details in the Popup:

- **Document Type & Name:** Displays an **XLS** file named **xlsExtension.xls**.
- **Requester Name:** The user who submitted the request (**User**).
- **Plant Name: CPP-2 (540MW)** (Indicates the plant associated with the document).
- **Department Name: CIVIL** (Specifies the relevant department).
- **Attachment:** A clickable **eye icon** to view or download the document.
- **Status Dropdown:** Allows the **Librarian** to **approve** or **reject** the request.
- **Expiration Date Field:** Requires a **date selection**, which must be **greater than the current date**.
- **Submit Button:** Finalizes the action based on the selected **status** and **expiration date**.

This popup is used to **review, approve, or reject** statutory document requests efficiently.

When the **Status** is selected as "**Reject**", the **Reason** field will be displayed.

Key Requirements:

- The **Reason** field must be filled **before submission**.
- If left **empty**, an **error message** will be shown, preventing the form from being submitted.
- This ensures that every **rejected document** has a **valid justification** for tracking and accountability.

**

EOD

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