

REQUIREMENT DOCUMENT

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Revision History

Name	Date	Reason For Changes	Version



REQUIREMENT DOCUMENT

Wax To Metal convert

Purpose

Wax to Metal Conversion module is used to track and manage the process of converting wax into metal for jewellery manufacturing. This process includes verifying and adjusting the purity of the metal, associating it with a specific name (like karat values), and managing the conversion calculations. The module ensures that all conversion records are correctly tracked, statuses are updated, and users can manage the metal-to-wax inventory seamlessly.

User Type

Registered Users, Admins.

Screen Layout

Group Category	Purity	Name	Calculation	Status
Gold	91.8	22 KT	17.800	Active
Gold	100	24 KT	19.500	Active
Gold	75.5	18 KT	15.700	Active
Gold	58.5	14KT	14.100	Active
Gold	83.5	20 KT	16.500	Inactive

UI Elements

○ Module Over View

The Wax To Metal screen is part of the Production > Setup workflow. It shows a grid listing group categories (e.g., Gold), purity, karat-based names, calculated values, and status. This helps users define and monitor wax-to-metal conversion parameters efficiently. The tabular format allows easy tracking and adjustment of entries.



○ **Header Buttons**

- **Search Option:** Positioned at the top left above the table.
- **Functionality:**
 - Filters records using keyword search (e.g., "22 KT").
- **Instant Updates:** Displays filtered results in real-time.

○ **Display Dropdown**

- **Description:** Controls the number of rows shown per page
- **Options:** Common choices (e.g., 5, 10, 25, 50, 100 rows per page).
- **Functionality:**
 - **Functionality:** Adjusts the data grid to display selected rows per page for better viewing and performance.

○ **Action Buttons**

- **Add Button**
 - **Label:** " + "
 - **Functionality:** Opens a form to create a new Wax To Metal entry.

○ **Grid Action Buttons**

- **Export**
 - **Label:** "Export" (or Icon button as specified)
 - **Functionality:** Exports the currently displayed Wax to Metal records (based on filters applied) into Excel or CSV (.csv) format for offline reference and reporting.
- **Export All**
 - **Label:** "Import" (or Icon button as specified)
 - **Functionality:** Exports the complete list of Wax to Metal records (regardless of filters or pagination) into Excel or CSV (.csv), enabling full data backup or detailed analysis.

○ **Table View Fields:**

- **Description:** Displays a structured view of all wax-to-metal conversion details configured in the system.
- **Columns:**
 - **Group Category:** Categorization of metal group used (e.g., Gold, Silver, Platinum).
 - **Purity:** Metal purity percentage used for calculation (e.g., 91.6, 18k).
 - **Name:** Standard karat name of the metal (e.g., 22 KT).
 - **Calculation:** Numerical value used in conversion calculations (e.g., 17.800).
 - **Status:** Indicates whether the conversion entry is Active or Inactive.
 - **Status Values:**
 - **Active:** If the status is displayed as "Active" in green.
 - **Inactive:** If the status is displayed as "Inactive" in red.

○ **Paging for Table View**





- **Description:** Allows navigation between pages using pagination controls.
- **Functionality:**
 - Includes “Previous” and “Next” buttons
 - Numbered pages for quick access
 - Updates table view dynamically

Permissions Functionality

○ **Functionality:**

- Controls user access based on roles to protect data integrity.

○ **Available Permissions:**

- **Add Conversion Entry Permission:** Grants access to the “+” button, enabling users to create new Wax to Metal records.
- **Edit Wax to Metal Entry Permission:** Enables access to the Edit icon in the Action column, allowing authorized users to update existing Wax to Metal entries
- **Delete Entry Permission:** Allows access to the Delete icon in the Action column, permitting the removal of Wax to Metal records.
- **Status Change Permission:** Controls access to change Active/Inactive status, allowing designated users to finalize record status.

○ **Admin/User Role Assignment:**

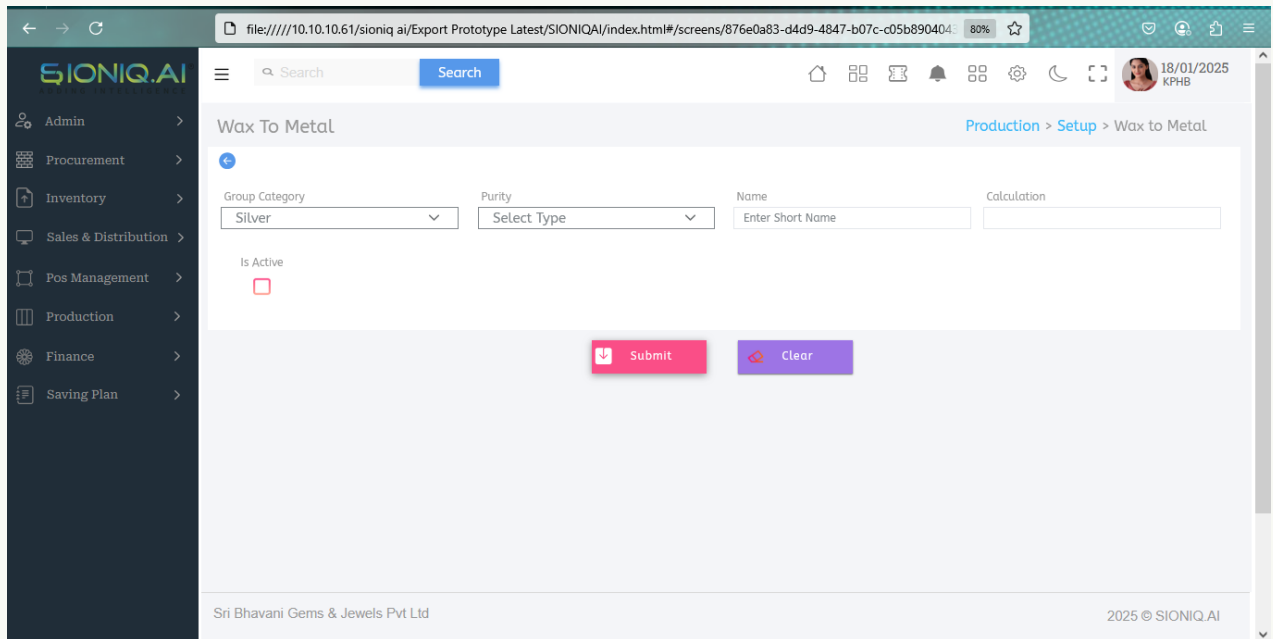
- **Admin Control:** Admins or authorized personnel can assign permissions to individual users or predefined roles.
- **Role-Based Access:**
 - Grant view-only access to Wax to Metal records.
 - Allow specific users to edit, delete, or change status.
 - Enable exporting or printing of Wax to Metal data for designated roles.

Add Wax To Metal Convert





Screen Layout



UI Elements

○ Group Category:

- **Type:** Dropdown
- **Purpose:** To select the relevant metal group (Gold, Silver, Platinum) for which the wax-to-metal conversion is being defined.
- **Source:** System logic fetching categories: Gold, Silver, Platinum.
- **Mandatory:** Yes (Required to define the conversion process).

○ Purity:

- **Type:** Dropdown
- **Purpose:** To select the purity level of the chosen metal group (e.g., 22 KT, 24 KT for Gold).
- **Source:** Dynamic options based on the selected Group Category (Gold, Silver, Platinum).
- **Mandatory:** Yes (Required for accurate conversion calculation).

○ Status: Located at the bottom of the table

- **Type:** Dropdown
- **Available options:**
 - **Approve** → Moves the entry to the next department
 - **Reject** → Sends the entry back to the worker
 - **Hold** → Keeps the entry in a hold state
- **Mandatory:** Yes

○ Name:

- **Type:** Textbox
- **Purpose:** To input the reference or short name for the wax-to-metal conversion (e.g., "22 KT").





- **Source:** User input.
 - **Mandatory:** Yes (Name is required for identification).
- **Calculation:**
- **Type:** Textbox
 - **Purpose:** To enter the conversion calculation or formula that defines how wax is converted into metal.
 - **Source:** User input for conversion values/formula.
 - **Mandatory:** Yes (Required for accurate conversion tracking).
- **Is Active:**
- **Type:** Checkbox
 - **Purpose:** To mark the conversion entry as active, enabling it to be used in production.
 - **Source:** System logic.
 - **Mandatory:** Yes (Required to confirm if the conversion is in use).
- **Submit:**
- **Type:** Button
 - **Purpose:** To save the entered wax-to-metal conversion data.
 - **Mandatory:** Yes (Required to save the data).
 - **Note:** The popup will appear after clicking the Submit button. It will show the “New Record Added Successfully”.
 - **Mandatory:** Yes (Required to save the data).
- **Clear:** Button to reset all input fields to default values.
- **Type:** Button
 - **Purpose:** To reset or clear all the input fields on the form.
 - **Mandatory:** No (Optional for resetting fields).
- **Previous Button:**
- **Type:** Icon (Left Arrow)
 - **Purpose:** To navigate back to the previous screen (Wax to Metal grid view).
 - **Mandatory:** No (Optional for navigation).

Wastage & Loss (Template)

Purpose

The purpose of recording wastage is to account for material used during standard production processes, aiding in cost estimation and inventory planning. Tracking loss helps identify unplanned material disappearance due to errors or theft. Both wastage and loss tracking ensure better control, accountability,





and process optimization. This process helps minimize waste, reduce costs, and improve overall production efficiency.

User Types

Registered Users, Admins.

Screen Layout

Template Name	Description	Department	Material Type	Wastage / Loss On	Category
Casting Template	For Inhouse Workers	Casting	Metal	Metal Category	Casting
Casting Template 2	For Outsource Workers	Casting	Metal	Metal Category	Thappa
Template Category	For Assemble Workers	Filling	Metal	Metal Category	Casting
Polish Template	Ghat Polish	Polish	Metal	Item Wise	Gold
Template St- 1	Fitting	Fitting	Stone	Stone Setting	Collect

UI Elements – Wastage & Loss Table View

○ Module Over View

The Wastage & Loss Grid View under Production > Setup > Wastage & Loss presents a centralized interface for managing templates related to material wastage and loss across various departments like Casting, Polish, and Fitting. This view enables users to define and monitor wastage settings based on material types and operational departments, improving accountability and production efficiency

○ Functional Areas

● Top Navigation and Tabs

- **Tabs:** Template | Template Mapping
- **Current tab selected:** Template
- **Purpose:** Facilitates switching between base templates and their mapping configurations.

○ Header Buttons

- **Search Option:**





- **Position:** Top Center, above the grid
- **Functionality:**
 - Allows filtering of template records by keywords such as template name, description, department, etc.
 - Enables quick access to specific template configurations.
- **Table View Fields:** This section displays all submitted records, each identified by a unique RC Number, along with complete form details—enabling streamlined tracking, sorting, and management of entries.
- **Pagination & Display Controls**
 - **Records:** Shows total number of records (e.g., 50)
 - **Display:** Number of rows shown per page (10, 25, 50, etc.)
 - **Paging Buttons:** Navigation for page numbers (1, 2, 3, etc.)
- **Expected Actions**
 - **Search Functionality:**
 - Filters entries based on keywords across any visible column.
 - **Add (+) Button:**
 - Opens a new modal/form to enter details like department, worker, material, setup type, and wastage/loss values.
- **Display Dropdown:**
 - **Description:** Dropdown for controlling the number of rows per page
 - **Options:** 10, 25, 50, 100
 - Helps users adjust data visibility per page, improving readability and system responsiveness.
- **Checkbox:**
 - **Purpose:** To select or deselect all rows displayed on the current page.
 - **Behaviour:**
 - When checked, all individual row checkboxes become selected.
 - Single and Multiple rows can be selected independently.
 - Selected rows can be acted upon using dropdown actions like Edit, Delete, Export, or Make A Copy.
- **Action Buttons**
 - Add Button
 - **Label:** "+"
 - **Functionality:** Opens a form to define a new wastage template, including fields like template name, description, department, and material type.
- **Grid Action Buttons (Above Table)**
 - **Edit:** Allows editing of the selected template entry.
 - **Flow:**
 - User selects a row using the checkbox.
 - Clicks the Edit option from the dropdown menu.





- A form opens with existing template details.
- User can update fields and save changes.
- **Delete:** Cancels or removes selected templates with confirmation.
- **Flow:**
 - User selects a record via checkbox.
 - Clicks the Delete option from the dropdown.
 - A confirmation popup appears asking for confirmation.
 - If confirmed, the template is removed, and the grid updates to reflect the change.
- **Export:** Downloads the selected template's data into a file format (e.g., Excel or CSV).
- **Flow:**
 - User selects one or more templates using checkboxes.
 - Clicks Export to download data for the selected rows.
- **Export All:** Downloads the full template list shown in the grid (all pages) irrespective of selection.
- **Flow:**
 - User clicks Export All.
 - System generates and downloads a complete file of all template data currently stored.
- **Make a Copy:** Creates a duplicate of the selected template with all fields pre-filled for editing or versioning.
- **Flow:**
 - User selects a template record via checkbox.
 - Clicks the Make a Copy option.
 - A new form opens with the copied template values.
 - User can modify values (e.g., change name or department) and save as a new template.
- **Supported Actions Based on Selection**
 - **Edit:** Only one checkbox must be selected to enable this action.
 - **Delete / Export / Make A Copy:** One or multiple checkboxes can be selected.
 - **Validation:**
 - If no checkbox is selected and an action is attempted, the system will likely prompt the user: "Please select at least one record."
 - For actions like **Edit**, if more than one checkbox is selected, an alert may appear: "Please select only one record for editing."
- **Pagination & Display Control:** Lets users adjust how many records to view per page (e.g., 10, 25, 50) and navigate through multiple pages.

Permissions Functionality

- **Functionality:** Controls access to Add, Edit, Delete, and Search features based on user roles.

Permission Assignment:

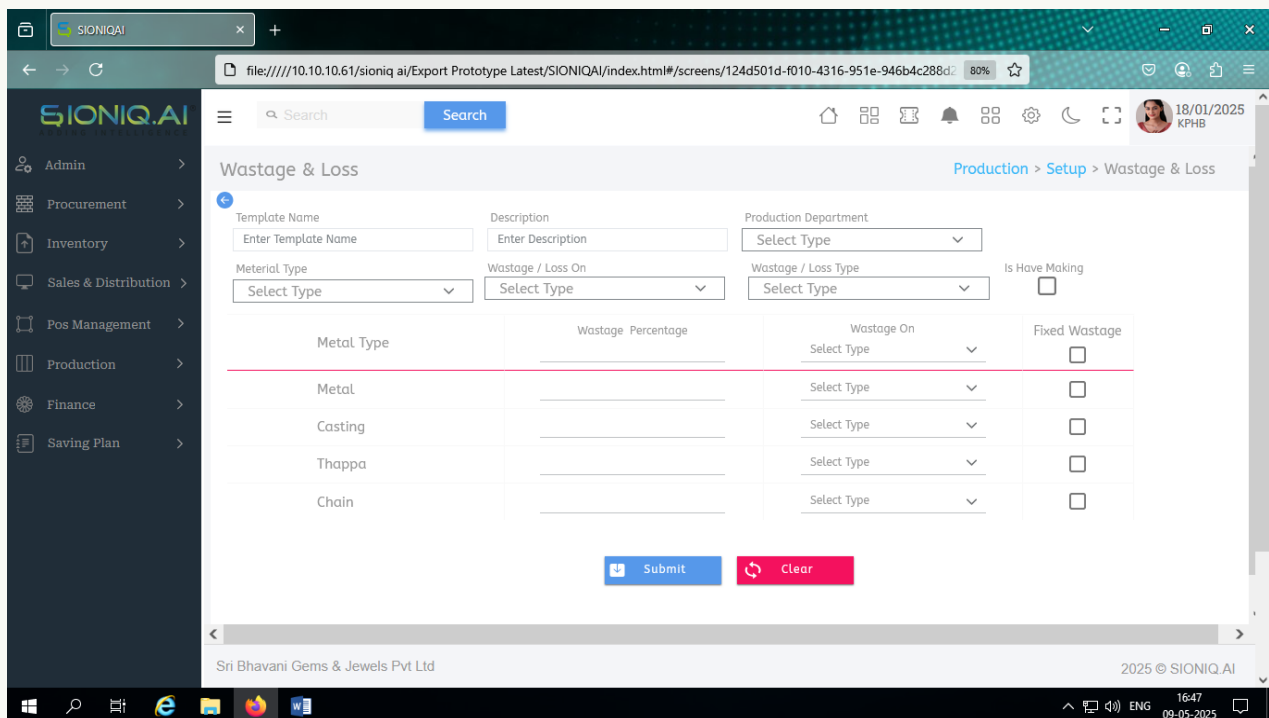
- Only Admins and authorized roles are granted access to the above buttons and controls.





- Each feature (Edit, Delete, Export, Export All, etc.) is permission-based, managed via the Admin Panel, ensuring role-specific access to sensitive production data.
- **Table View Message;** This table displays predefined templates for capturing wastage and loss in jewellery production. Each entry includes the template name, description, department, material type, and tracking basis. It helps ensure accurate recording of material loss by category and process stage. The table supports better analysis, accountability, and efficiency in production workflows.

Screen Layout



UI Elements for Wastage & Loss Template

- **Template Name:** Textbox to enter the name of the wastage/loss template
 - Example: Casting Wastage Template
 - **Source:** User Input
 - **Mandatory:** Yes
- **Description:** Textbox to describe the purpose or details of the template
 - Example: Used for capturing casting stage wastage
 - **Source:** User Input
 - **Mandatory:** Yes
- **Production Department:** Dropdown to select the production department
 - **Options:** Casting, Filling, Polish, Fitting, Bandini
 - **Source:** Production Department Master





- **Mandatory:** Yes
- **Sub Department:** Dropdown to select the production department
 - **Enabled When:** "Casting" is selected in Production Department
 - **Options:** Wax Moulding, Tree Setup, Flask, Rubber Moulding, 3D Printing
 - **Source:** Sub Department Master
 - **Mandatory:** Yes
- **Material Type:** Dropdown to select the type of metal-related production
 - **Options:** Metal, Stone
 - **Source:** Metal Type Master
 - **Mandatory:** Yes
- **Wastage/Loss On:** Dropdown to define how wastage/loss is applied
 - **Options:** Item Wise, Metal Category Wise
 - **Mandatory:** Yes
- **Wastage/Loss Type:** Dropdown
 - **Options:**
 - Tunch Wastage
 - Purity Percentage
 - Wastage
 - Direct Wastage
 - Loss Percentage
 - Direct Loss
 - **Mandatory:** Yes

If in Material Type "Metal" and In Wastage Loss/On "Item wise" and in Wastage/loss Type "Tunch Wastage" is selected for all Product Departments this all be enable:

Based on Selection in Wastage/Loss Type:

- **Tunch Percentage:** Enabled When "Tunch Wastage" is selected in *Wastage / Loss Type*
 - **Tunch Percentage:** Textbox (Here we have to enter Tunch Percentage)
 - **Wastage:** Textbox (Here we have to enter Wastage)
 - **Wastage On:** Dropdown (Direct Wastage, Per Unit and if "Direct Wastage" is Selected.)
 - **Fixed Wastage:** Checkbox
 - **Is Have Making:** Checkbox
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Purity Percentage**
 - **Wastage Percentage:** Textbox
 - **Wastage On:** Dropdown (Gross Weight, Net Weight, Pure Weight)
 - **Fixed Wastage:** Checkbox





- **Is Have making:** Check Box
- **Making Amount:** Textbox
- **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Wastage**
 - **Wastage:** Textbox
 - **Wastage On:** Dropdown (Gross Weight, Net Weight, Pure Weight)
 - **Fixed Wastage:** Checkbox
 - **Is Have Making:** Checkbox
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Direct Wastage**
 - **Wastage On:** Dropdown (Direct Wastage, Per Unit)
 - **Wastage:** Textbox
 - **Wastage Purity:** Dropdown (Pure, Item Purity %)
 - **Fixed Wastage:** Checkbox
 - **Is Have Making:** Checkbox
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Loss Percentage**
 - **Loss On:** Dropdown (Gross Weight, Net Weight, Pure Weight)
 - **Loss Percentage:** Textbox
 - **Loss Purity:** Dropdown (Pure, Item Purity %)
 - **Fixed Loss:** Checkbox
 - **Is Have Making:** Checkbox
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Direct Loss**
 - **Loss On:** Dropdown (Direct Loss, Per Unit)
 - **Loss Weight:** Textbox
 - **Loss Purity:** Dropdown (Pure, Item Purity %)
 - **Fixed Loss:** Checkbox
 - **Is Have Making:** Checkbox
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Checkboxes:**
 - **Fixed Wastage:** "If there is fixed wastage, the Fixed Wastage checkbox must be selected to apply the relevant settings."





- **Is Have Making:** "If making charges are applicable, the Is Have Making checkbox should be selected to enable related fields."
 - **Making Amount:** "The Making Amount textbox should be filled only if the Is Have Making checkbox is selected."
 - **Making On:** "The Making On dropdown should be selected if the Is Have Making checkbox is checked, allowing the user to choose the appropriate weight type."
- **Fixed Loss:** "If there is fixed loss, the Fixed Loss checkbox must be selected to apply the relevant settings."
- **Loss Percentage:** "The Loss Percentage textbox should be filled only when the Loss On dropdown is set to include loss percentage."

If in Material Type "Metal" and In Wastage Loss/On "Metal Category wise" and in Wastage/loss Type "Tunch Wastage" is selected for all Product Departments this all be enable:

- **Wastage/Loss Type:** Dropdown
 - **Options:** Tunch Wastage, Purity Percentage, Wastage, Direct Wastage, Loss Percentage, Direct Loss
 - **Mandatory:** Yes

Based on Selection in Wastage/Loss Type:

- **Tunch Wastage**
 - **Metal Type:** Metal, Casting, Tappa, Chain etc.
 - **Tunch Percentage:** Text input
 - **Wastage:** Text input
 - **Wastage On:** Dropdown (Gross Weight, Net Weight, Pure Weight)
 - **Fixed Wastage:** Checkbox
 - **Is Have Making:** Checkbox (If select below fields will be enable)
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Purity Percentage**
 - **Metal Type:** Dropdown (Metal, Casting, Tappa, Chain)
 - **Purity Percentage:** Textbox
 - **Wastage On:** Dropdown (Gross Weight, Net Weight, Pure Weight)
 - **Fixed Wastage:** Checkbox
 - **Is Have Making:** Checkbox (If select below fields will be enable)
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Wastage**
 - **Metal Type:** Metal, Casting, Tappa, Chain etc.
 - **Wastage:** Textbox





- **Wastage On:** Dropdown (Gross Weight, Net Weight, Pure Weight)
- **Fixed Wastage:** Checkbox
- **Is Have Making:** Checkbox (If select below fields will be enable)
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Direct Wastage**
 - **Metal Type:** Dropdown (Metal, Casting, Tappa, Chain)
 - **Wastage On:** Dropdown (Direct Wastage, Per Unit)
 - **Wastage:** Textbox
 - **Wastage Purity:** Dropdown (Pure, Item Purity %)
 - **Fixed Wastage:** Checkbox
 - **Is Have Making:** Checkbox (If select below fields will be enable)
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Loss Percentage**
 - **Metal Type:** Metal, Casting, Tappa, Chain etc.
 - **Loss On:** Dropdown (Gross Weight, Net Weight, Pure Weight)
 - **Loss Percentage:** Textbox
 - **Loss Purity:** Dropdown (Pure, Item Purity %)
 - **Fixed Loss:** Checkbox
 - **Is Have Making:** Checkbox (If select below fields will be enable)
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)
- **Direct Loss**
 - **Metal Type:** Dropdown (Metal, Casting, Tappa, Chain)
 - **Loss On:** Dropdown (Direct Loss, Per Unit)
 - **Loss Weight:** Textbox
 - **Loss Purity:** Dropdown (Pure, Item Purity %)
 - **Fixed Loss:** Checkbox
 - **Is Have Making:** Checkbox (If select below fields will be enable)
 - **Making Amount:** Textbox
 - **Making On:** Dropdown (Gross Weight, Net Weight, Pure Weight, Direct Weight, Per Unit)

If in Material Type "Stone" is selected for all Product Departments:

If Item Wise is selected in Wastage/Loss On:

- **Wastage/Loss Type:** Dropdown
 - **Options:** Per Unit, Direct, Stone Weight
 - **Mandatory:** Yes





Based on Selection in *Wastage/Loss Type*:

Per Unit

- **Number of Units:** Textbox
- **Wastage:** Textbox
- **Wastage Purity:** Dropdown (Pure, Item Purity %)
- **Fixed Wastage:** Checkbox

Direct

- **Wastage:** Textbox
- **Wastage Purity:** Dropdown (Pure, Item Purity %)
- **Fixed Wastage:** Checkbox

Stone Weight

- **UOM:** Dropdown (Per Gram, Per Carat)
- **Wastage:** Textbox
- **Wastage Purity:** Dropdown (Pure, Item Purity %)
- **Fixed Wastage:** Checkbox

If Stone Setting Wise is selected in *Wastage/Loss On*:

Wastage/Loss Type: Dropdown

- **Options:** Per Unit, Direct, Stone Weight
- **Mandatory:** Yes

Based on Selection in *Wastage/Loss Type*:

Per Unit

- **Stone Setting Type:** Dropdown (Collect, Close, Pachi, Ghat)
- **Number of Units:** Textbox
- **Wastage:** Textbox
- **Wastage Purity:** Dropdown (Pure, Item Purity %)
- **Fixed Wastage:** Checkbox
- **Is Loss:** Checkbox

Direct

- **Stone Setting Type:** Dropdown (Collect, Close, Pachi, Ghat)
- **Wastage:** Textbox
- **Wastage Purity:** Dropdown (Pure, Item Purity %)
- **Fixed Wastage:** Checkbox
- **Is Loss:** Checkbox





○ **Stone Weight**

- **Stone Setting Type:** Dropdown (Collect, Close, Pachi, Ghat)
- **UOM:** Dropdown (Per Gram, Per Carat)
- **Wastage:** Textbox
- **Wastage Purity:** Dropdown (Pure, Item Purity %)
- **Fixed Wastage:** Checkbox
- **Is Loss:** Checkbox

○ **Previous Button**

- **Function:** Navigates back to the previous page without saving current data
- **Type:** Navigation Button

○ **Submit Button**

- **Function:** Submits the form with all entered data
- **Validation:** Ensures all mandatory fields are filled
- **Type:** Action Button

○ **Clear Button**

- **Function:** Resets all fields and manual entry rows to default/empty state
- **Type:** Reset Button

Wastage & Loss (Template Mapping)

Purpose

The Wastage & Loss (Template Mapping) module standardizes the definition of wastage, loss, and tunch percentages for jewellery production. It allows mapping based on material type, category, and department-wise requirements. Templates help in applying consistent rules across various processes and items. Optional making charges can be configured based on different weight types. This ensures accurate costing, reduces manual errors, and streamlines production planning.

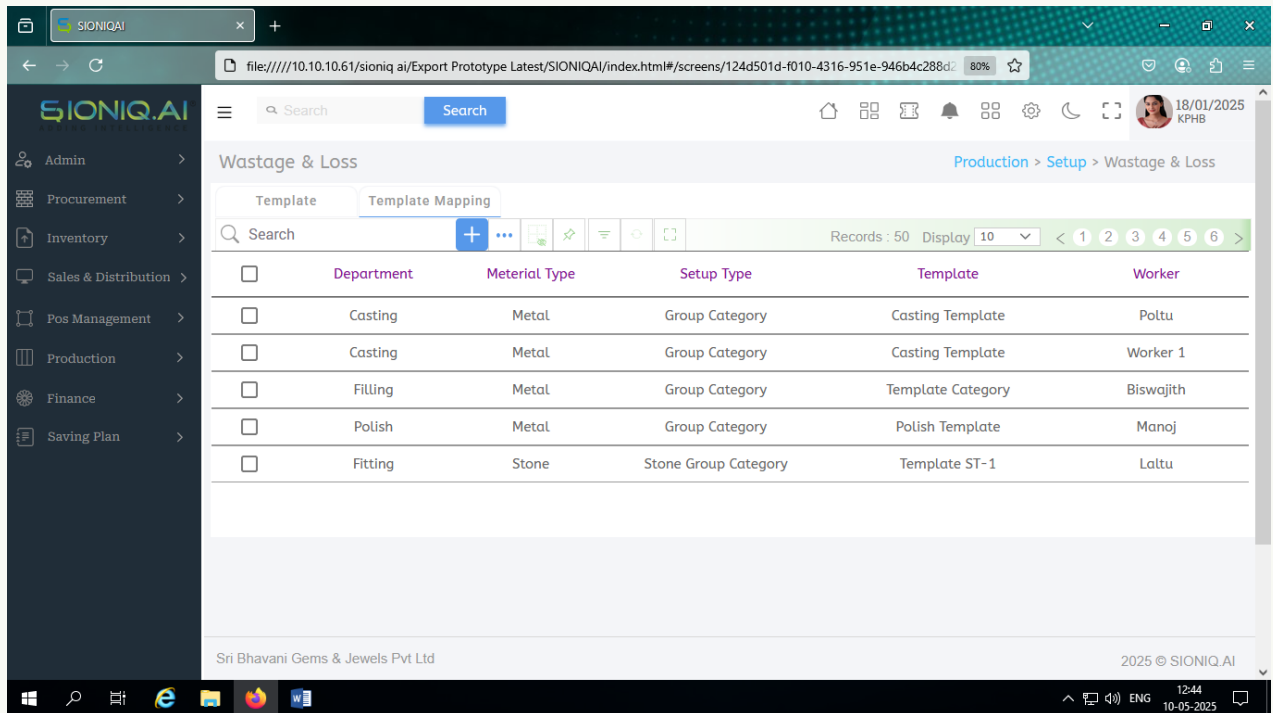
User Types

Registered Users, Admins.





Screen Layout



UI Elements – Wastage & Loss Template Mapping

○ Module Over View

The Wastage & Loss Template Mapping module enables users to predefine and manage templates for wastage, tunch, and loss calculations in jewellery production. It supports different combinations of material types, production departments, and making charge rules, helping ensure accurate costing and process consistency.

○ Functional Areas

- Top Navigation and Tabs

- **Tabs:** Template | Template Mapping
- **Current tab selected:** Template
- **Purpose:** Facilitates switching between base templates and their mapping configurations.

○ Header Buttons

- **Search Option:**

- **Position:** Top center, above the grid
- **Functionality:**
 - Allows filtering of mapping records using keywords such as templtzate name, mapping code, department, material, etc.





- Enables rapid access to specific mappings for editing, tracking, or audit purposes.
- **Table View Fields:** Displays all submitted template mapping records, each tagged with a unique Mapping Code. Includes details like template name, department, material, setup type, wastage, and loss. Supports streamlined tracking, sorting, and bulk operations for efficient management. Ensures consistent configuration across templates and production processes.
- **Pagination & Display Controls**
 - **Records:** Shows total number of records (e.g., 50)
 - **Display:** Number of rows shown per page (10, 25, 50, etc.)
 - **Paging Buttons:** Navigation for page numbers (1, 2, 3, etc.)
- **Expected Actions**
 - **Search Functionality:**
 - Filters entries based on keywords across any visible column.
 - **Add (+) Button:**
 - Opens a new modal/form to enter details like department, worker, material type, setup type, and wastage/loss values.
- **Display Dropdown**
 - **Description:** Dropdown for controlling the number of rows per page
 - **Options:** 10, 25, 50, 100
 - Helps users adjust data visibility per page, improving readability and system responsiveness.
- **Checkbox**
 - **Purpose:** To select or deselect all rows displayed on the current page.
 - **Behaviour:**
 - When checked, all individual row checkboxes become selected.
 - Single and Multiple rows can be selected independently.
 - Selected rows can be acted upon using dropdown actions like Edit, Delete, Export, Worker to Worker Mapping, Export All.
- **Action Buttons**
 - Add Button
 - **Label:** "+"
 - **Functionality:** Opens a form to define a new wastage template, including fields like template name, description, department, and material type.
- **Grid Action Buttons (Above Table)**
 - **Edit:** Allows editing of the selected template entry.
 - **Flow:**
 - User selects a row using the checkbox.
 - Clicks the Edit option from the dropdown menu.
 - A form opens with existing template details.
 - User can update fields and save changes.





- **Delete:** Cancels or removes selected templates with confirmation.
- **Flow:**
 - User selects a record via checkbox.
 - Clicks the **Delete** option from the dropdown.
 - A confirmation popup appears asking for confirmation.
 - If confirmed, the template is removed, and the grid updates to reflect the change.
- **Export:** Downloads the selected template's data into a file format (e.g., Excel or CSV).
- **Flow:**
 - User selects one or more templates using checkboxes.
 - Clicks Export to download data for the selected rows.
- **Export All :** Downloads the full template list shown in the grid (all pages) irrespective of selection.
- **Flow:**
 - User clicks Export All.
 - System generates and downloads a complete file of all template data currently stored.
- **Worker to Worker Mapping:** Defines the relationship between source and target workers for task handover or sequential operations.
- **Flow:**
 - User selects a department or process where mapping is needed.
 - Selects a source worker (from) and maps it to a target worker (to).
 - System allows setting priority or sequence if multiple mappings exist.
 - Mapping is saved and displayed in the grid for review and editing.
- **Supported Actions Based on Selection**
 - **Edit:** Only one checkbox must be selected to enable this action.
 - **Delete / Export / Worker to Worker Mapping / Export All:** One or multiple checkboxes can be selected.
 - **Validation:**
 - If no checkbox is selected and an action is attempted, the system will likely prompt the user: "Please select at least one record."
 - For actions like Edit, if more than one checkbox is selected, an alert may appear: "Please select only one record for editing."
- **Pagination & Display Control:** Lets users adjust how many records to view per page (e.g., 10, 25, 50) and navigate through multiple pages.

Permissions Functionality

- **Functionality:** Controls access to Add, Edit, Delete, Search, and Worker to Worker Mapping based on user roles.

Permission Assignment:

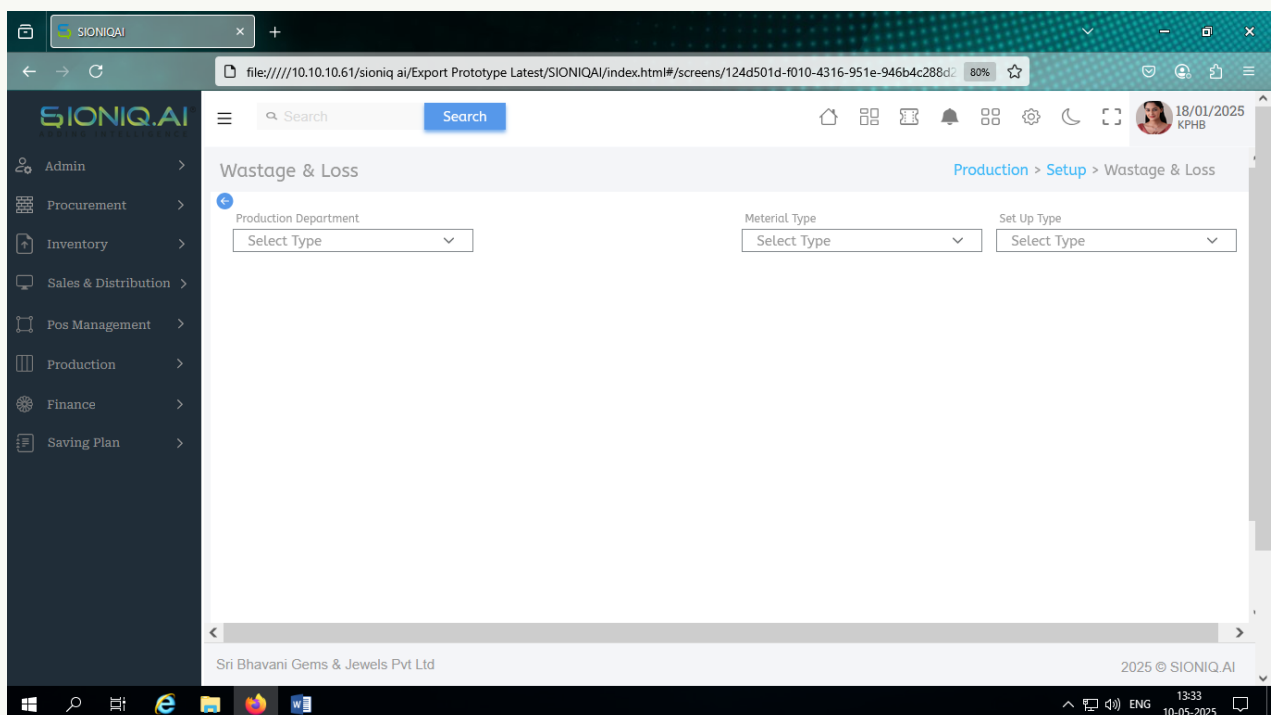
- Only Admins and authorized roles are granted access to the above buttons and controls.





- Each function (Edit, Delete, Export, Export All, Worker to Worker Mapping, etc.) is permission-based and managed through the Admin Panel, ensuring secure, role-specific control over mapping and production configurations.
- **Table View Message;** This table displays predefined template mapping records used to associate templates with specific departments, materials, setup types, and loss parameters. Each entry includes mapping details such as template name, department, material type, wastage, and loss. It ensures structured allocation of production variables for accurate process execution and tracking. The table supports consistency, efficiency, and traceability in jewellery production workflows.

Screen Layout



UI Elements for Wastage & Loss Template Mapping

- **Production Department:** Dropdown to select the production department
 - **Options:** Casting, Filling, Polish, Fitting, Bandini
 - **Source:** Production Department Master
 - **Mandatory:** Yes
- **Sub Department:** Dropdown to select the production department
 - **Enabled When:** "Casting" is selected in Production Department
 - **Options:** Wax Moulding, Tree Setup, Flask, Rubber Moulding, 3D Printing
 - **Source:** Sub Department Master
 - **Mandatory:** Yes





- **Material Type:** Dropdown to select the type of metal-related production
 - **Options:** Metal, Stone
 - **Source:** Metal Type Master
 - **Mandatory:** Yes

- **Setup Type:** Dropdown
 - **Options:**
 - Group Category
 - Category
 - Sub Category
 - Combination
 - Shape (Article 1)
 - Size(Article 2)
 - **Mandatory:** Yes

- **Based on Setup Type selection:**
 - **Logic:**
 - If Group Category is selected → Multi Dropdown: Group Category (Diamond, Colour Stone, Misc., Others)
 - If Category is selected → Multi Dropdowns: Group Category (Diamond, Colour Stone, Misc., Others), Category (Diamond, Ruby, Emerald, Polki, etc.)
 - If Sub Category is selected → Multi Dropdowns: Group Category, Sub Category (Lab Grown, Natural, Coloured, Solitaire, Flat, Exclusive, Fancy)
 - If Combination is selected → Multi Dropdowns: Group Category, Category, Sub Category, Shape; Size dropdown, Colour dropdown
 - If Shape is selected → Multi Dropdowns: Group Category, Category, Sub Category, Shape
 - If Size is selected → Multi Dropdowns: Group Category, Category, Sub Category, Shape

- **Template:** Dropdown to define the template configuration
 - **Options:** Template-1, Template-2, Template-3
 - **Source:** Template Configuration Master
 - **Mandatory:** Yes

- **Effect of Setup Type Selection:** When one of the above Setup Types is selected:
 - The **Template** dropdown becomes enabled for all Production Department (with options Template1, Template2, Template3).
 - The following mapping interface (popups) are displayed and enabled:

- **Unmapped Workers Popup**
 - Multi-select list (Red label)
 - Options: Worker 1, Worker 2, Worker 3, Worker 4





- Checkbox selection
- **Mapped Workers Popup**
 - Multi-select list (Blue label)
 - Initially empty, fills upon mapping
- **Mapping Controls:**
 - > Move selected workers to Mapped
 - >> Move all to Mapped
 - < Move selected back to Unmapped
 - << Move all back to Unmapped
- **Previous Button**
 - **Function:** Navigates back to the previous page without saving current data
 - **Type:** Navigation Button
- **Submit Button**
 - **Function:** Submits the form with all entered data
 - **Validation:** Ensures all mandatory fields are filled
 - **Type:** Action Button
- **Clear Button**
 - **Function:** Resets all fields and manual entry rows to default/empty state
 - **Type:** Reset Button

UI Elements If in Material Type "Metal" is selected for all Product Departments:

- **Production Department:** Dropdown to select the production department
 - **Options:** Casting, Filling, Polish, Fitting, Bandini
 - **Source:** Production Department Master
 - **Mandatory:** Yes
- **Sub Department:** Dropdown to select the production department
 - **Enabled When:** "Casting" is selected in Production Department
 - **Options:** Wax Moulding, Tree Setup, Flask, Rubber Moulding, 3D Printing
 - **Source:** Sub Department Master
 - **Mandatory:** Yes
- **Material Type:** Dropdown to select the type of metal-related production
 - **Options:** Metal, Stone
 - **Source:** Metal Type Master
 - **Mandatory:** Yes





- **Setup Type:** Dropdown to define configuration structure
 - **Options:** Group Category, Category, Combination, Product, Style, Model
 - **Source:** Setup Type Master
 - **Mandatory:** Yes

- **Based on Setup Type selection:**
 - If Group Category is selected → Multi Dropdown: Group Category (Gold, Silver, Platinum)
 - If Category is selected → Multi Dropdowns: Category (Gold, Diamond, Silver jewellery, Platinum)
 - If Combination is selected → Product (Bangle, Chain, Necklace), Style (Antique, Pachi, Casting), Model (Kolkatha, Kerala, Coimbatore)
 - If Product is selected → Multi Dropdowns: Product (Bangle, Chain, Necklace)
 - If Style is selected → Multi Dropdowns: Style (Antique, Pachi, Casting),
 - If Model is selected → Model (Kolkatha, Kerala, Coimbatore)

- **Based on Purity Selection:**
 - **Options:** 91.6, 75, 1
 - **Source:** Purity Master
 - **Mandatory:** Yes
 - **Example:**
 - If the user selects 91.6, the system will filter and apply this purity level to all relevant product combinations selected under setup (e.g., group category, category, product, etc.)
 - This purity selection will influence wastage calculations, purity-based making charges, **and** any purity-specific validations defined in the process.
 - Only Karighar and products mapped to 91.6 purity will be considered during saving or processing.

- **Template:** Dropdown to define the template configuration
 - **Options:** Template-1, Template-2, Template-3
 - **Source:** Template Configuration Master
 - **Mandatory:** Yes

- **Effect of Setup Type Selection:** When one of the above Setup Types is selected:
 - The **Template** dropdown becomes **enabled** for all Production Department (with options Template1, Template2, Template3).
 - The following **mapping interface** (popups) are **displayed and enabled**:

- **Unmapped Workers Popup**
 - Multi-select list (Red label)
 - Options: Worker 1, Worker 2, Worker 3, Worker 4
 - Checkbox selection





○ **Mapped Workers Popup**

- Multi-select list (Blue label)
- Initially empty, fills upon mapping

○ **Mapping Controls:**

- > Move selected workers to Mapped
- >> Move all to Mapped
- < Move selected back to Unmapped
- << Move all back to Unmapped

○ **Previous Button**

- **Function:** Navigates back to the previous page without saving current data
- **Type:** Navigation Button

○ **Submit Button**

- **Function:** Submits the form with all entered data
- **Validation:** Ensures all mandatory fields are filled
- **Type:** Action Button

○ **Clear Button**

- **Function:** Resets all fields and manual entry rows to default/empty state
- **Type:** Reset Button

