Material Feasibility - Structural

- Login
- Planning

Login

1.1 Login

To login into the ***cuteQM*** application,

1. Open your web browser.

2. Type the URL provided by your administrator, in the address bar of your web browser.

The login page appears.

image-1651735756826.png

Image not found or type unknown

3. In the login page, enter your user name and password in the respective boxes.

image-1651735786816.png

Image not found or type unknown **Note:** If you forgot your password, click “**I can’t access my account**”. You will be redirected into a new web page. Enter your username to receive your password.

4. In the **Module** section, select **Structural**.

5. Click **Login**.

Once you have successfully logged in into the ***cuteQM*** application, the home page of the ***cuteQM*** application opens.

image-1651735821789.png

Image not found or type unknown

Figure 1.1 Home page of *cuteQM application*

6. Navigate to the **Planning** menu in the Home page.

image-1651735848245.png

Image not found or type unknown **Note:** The user name you have entered, the project you have been assigned, and the module you have selected are displayed in the upper right corner of the home page.

1.2 Change Password

If you want to change your current password,

1. Click your user name displayed on the quick access bar of the home page. See Fig 4.1.

A drop-down list opens with multiple options.

image-1651735878140.png

Image not found or type unknown

2. Click the **Change Password**

The **Change Password** page opens.

image-1651735895595.png

Image not found or type unknown

image-1651735930296.png

Image not found or type unknown

Note: Before changing your password read the conditions specified in the **Change Password** page.

3. In the **Password** box, enter your current password.

4. In the **New Password** box, enter your new password.

5. In the **Confirm New Password** box, enter your new password again.

6. Click **Change Password**.

Your password will be successfully changed.

1.3 Log Out

If you want to log out from the application,

1. Click your user name displayed on the quick access bar of the home page. See Fig 4.1.

A drop-down list opens with multiple options.

2. Click **Log out**.

Your current session ends now. The home page appears.

Planning

2.0 Planning

The **Planning** menu in the home page of the ***cuteQM*** app is mainly used to search for the piping feasibility of the structural projects and to assign priority. This menu also helps to add the bill of materials and material request.

Here, you can manage the material reservation, material substitution, offcut inventory, material requisition, and material issuance. For production purpose, you can add and manage fit up, weld visual, and painting inspection requests.

Once you click the **Planning** menu, the following tabs open,

image-1651736629034.png

Image not found or type unknown

2.1 Bill of Material (BOM)

The **BOM** tab in the **Planning** menu used to add a BOM including quantity of items needed for the pre- fabrication from the overall quantity in the inventory. To add BOM,

1. Click **BOM** in the **Planning**

The **Bill of Material** page opens.

image-1651736681988.png

Image not found or type unknown

Figure 2.1: Bill of Material page

2.1.1 Add a BOM

If you want to add a BOM,

image-1651736795598.png

1. Click Image not found or type unknown (**ADD** button) in the **Bill of Material** See Fig 5.1.

The page opens a new window to add the details of BOM.

image-1651736813205.png

Image not found or type unknown

image-1651736822797.png

Image not found or type unknown

Note: The field notified with a symbol (*) is mandatory. You must enter the relevant details in that field before saving.

2. In the **Drawing No** box, select a drawing number from a drop-down list.

3. In the **Drawing Rev** box, enter the drawing revision number.

4. In the **Member Code** box, enter the member code.

5. In the **Str Type** box, enter the structural type.

6. In the **Material Category** box, enter the material category.

7. In the **Member Type** box, enter the member type.

8. In the **Section** box, enter the section name.

9. In the **Width MM** box, enter the width of the material in mm.

10. In the **Length MM** box, enter the width of the material in mm.

11. In the **Item Quantity** box, enter the item quantity.

12. In the **Plate Net Area** box, enter the plate net area name.

13. In the **Rolled** box, enter the rolled detail.

14. In the **Surface Area** box, enter the surface area name.

15. In the **Weight FLG Thickness** box, enter the weight FLG thickness detail.

16. In the **Dimension** box, enter the dimension detail.

17. In the **Weight LG to Reduce** box, enter the weight that needs to be reduced.

18. In the **Snip Thickness** box, enter the snip thickness value.

19. In the **Snip Area** box, enter the snip area value.

20. In the **Weight Reduced** box, enter the reduced weight.

21. In the **Mean Length** No box, enter the mean length.

22. In the **Item** box, enter the item name.

23. In the **Quantity** box, enter the item quantity.

24. In the **Material Description** box, enter the material description.

25. In the **Material Specification** box, enter the material specification.

26. In the **Item Code** box, select an item code.

27. In the **Total Quantity** box, enter the item's total quantity.

28. In the **UOM** box, enter the UOM detail.

29. Click **Save**.

The BOM including the item quantity is successfully added and listed in the **Bill of Material** page.

2.1.2 Edit a BOM

If you want to edit any existing BOM in the **Bill of Material** page, do the following,

image-1651737152060.png

1. Click Image not found or type unknown (Edit icon) in the **Edit** column for the respective BOM. See Fig 5.1.

The page shows the details of the selected BOM.

2. Click any box where you want to edit the details, and then edit the details in the respective box.

3. Click **Save**.

2.1.3 Delete a BOM

image-16517371

If you want to delete any existing BOM in the **Bill of Material** page, you can use Image not found or type (Delete icon) provided in the **Bill of Material** page.

2.1.4 Export BOM List

You can export a list of BOMs added in the **Bill of Material** page in both the pdf and excel formats.

image-1651737251066.png

1. If you want to export the BOM list in the pdf format, click Image not found or type unknown (**PDF** button).

The BOM list will be downloaded as a pdf file.

image-1651737292924.png

2. If you want to export the BOM list in the excel format, click Image not found or type unknown (**Excel** button).

The BOM list will be downloaded as an excel file.

2.1.5 Filter a BOM

If you want to filter any BOM from the list of BOMs in the **Bill of Material** page, do the following,

image-1651737335194.png

1. Click Image not found or type unknown (**FILTER** button) located on the **Bill of Material** See Fig 5.1.

Once you clicked the **Filter** button, the filter box opens in each column of the **Bill of Material** page.

image-1651737391718.png

Image not found or type unknown

2. Enter relevant detail in the respective column’s filter box to filter a BOM you want.

2.1.6 Import Multiple BOMs

If you want to import multiple BOM together, do the following,

image-1651737429767.png

1. Click Image not found or type unknown (**IMPORT** button). See Fig 5.1.

The **Excel Import** page opens.

image-1651737450246.png

Image not found or type unknown

2. Click (**TEMPLATE** button).

An excel worksheet will be downloaded with a predefined template to enter the details of BOM.

3. Enter the required BOM details in the respective columns of the excel worksheet.

4. Once you have added the BOM details in the excel worksheet, save the excel worksheet on your computer.

image-1651737488854.png

5. Click Image not found or type unknown (**Browse** button) to select the excel worksheet to be uploaded.

6. Select the excel worksheet you want to upload from your computer.

image-1651737515688.png

7. Click Image not found or type unknown (**Upload** button) to export the BOM details that are included in the excel worksheet.

The columns added in the excel worksheet will be listed in the **Excel Column** field.

image-1651737537221.png

Image not found or type unknown

image-1651737547748.png

Image not found or type unknown **Note:** Make sure that the **Excel Column** field must have all the columns as in the **System Column** field.

8. To map the columns in the **System Column** and **Excel Column** fields, do one of the following,

image-1651737623953.png

a. If you want to map the columns automatically, click Image not found or type unknown (**AutoMap** button).

The columns will be mapped automatically and displayed in the **Mapped Columns** field.

b. If you want to map each column manually, select the respective columns in both the **System Column** and **Excel Column** fields and then click image-1651737661089.png Image not found or type unknown (**Map** button).

The selected columns will be mapped and displayed in the **Mapped Columns** field.

image-1651737678774.png

Image not found or type unknown

9. To un-map the columns in the **Mapped Columns** field, select the respective column and then

image-1651740271043.png

click Image not found or type unknown (**UnMap** button).

image-1651740301338.png

Image not found or type unknown **Note:** In the **Total Rows** field, the range for uploading the data from the excel worksheet will be updated automatically.

image-1651740325703.png

10. Click Image not found or type unknown (**Populate Values** button).

The data are populated.

image-1651740347775.png

11. Click Image not found or type unknown (**Process** button).

The system processes all the uploaded data and shows if any error with the uploaded data. You can

image-1651740368221.png

download the error details in the excel worksheet by clicking Image not found or type unknown (**Export to Excel** button).

image-1651740384981.png

Image not found or type unknown

image-1651740393773.png

Image not found or type unknown **Note:** Different color code explains the different types of errors.

12. Once you have rectified the identified error in the excel worksheet, follow the above procedures to upload the worksheet.

13. Click (**Import** button) to import the uploaded data.

The data will be successfully imported.

2.2 Import Profile MTO

2.3 Assign Priority

The **Assign Priority** tab in the **Planning** menu helps to assign the priority for JDE, Offcut, and FIM warehouses. Likewise, you can assign priority for Module, Level, Type Code, and Cutting Plan Drawing. For example, if you assign the high priority for any warehouse, the materials from the high priority warehouse will be taken initially for performing piping feasibility.

To assign priority,

1. Click **Assign Priority** in the **Planning**

The **Assign Priority** page opens.

image-1651740481817.png

Image not found or type unknown

Figure 2.3: Assign Priority page

image-1651740500219.png

Image not found or type unknown

Note: You can assign the priority by giving the numbers from 1 to 99.

2. If you want to assign priority for warehouses,

a. Select the **Warehouse**

The added warehouses will be listed.

image-1651740553538.png

Image not found or type unknown

b. In the **Priority** column, enter the priority numbers for the respective warehouse.

c. Click **Save Changes**.

3. If you want to assign priority for project modules,

a. Select the **Module**

The added project modules will be listed.

image-1651740652585.png

Image not found or type unknown

b. In the **Priority** column, enter the priority numbers for the respective module.

c. Click **Save Changes**.

4. If you want to assign priority for levels,

a. Select the **Level**

The added levels will be listed.

Add image

b. In the **Priority** column, enter the priority numbers for the respective test pack.

c. Click **Save Changes**.

5. If you want to assign priority for type code,

a. Select the **Type Code**

The added type code will be listed.

Add image

b. In the **Priority** column, enter the priority numbers for the respective system.

c. Click **Save Changes**.

6. If you want to assign priority for cutting plan drawings,

a. Select the **Cutting Plan Drawing**

The added cutting plan drawings will be listed.

image-1651740830595.png

Image not found or type unknown

b. In the **Priority** column, enter the priority numbers for the respective line.

c. Click **Save Changes**.

2.3.1 Export Assigned Priority List

You can export the assigned priority list in the **Assign Priority** page in the pdf and excel formats image-1651740891059.png image-1651740905634.png

by using Image not found or type unknown (**PDF** button) and Image not found or type unknown (**Excel** button). To know how to export, see the topic, "**Export BOM List**".

2.4 Reserve Material

The **Reserve Material** tab in the **Planning** menu helps to reserve the material from the inventory quantity. To reserve the material,

1. Click **Reserve Material** in the **Planning**

The **Reserve Material** page opens.

image-1651740956396.png

Image not found or type unknown

Figure 2.4: Reserve Material page

2.4.1 Reserve a Material

If you want to reserve a material,

1. In the **Cutting Plan Drawing** box, select a cutting plan drawing number from a drop-down list. See Fig 5.4.

The page shows a list of BOM item codes including the BOM quantity and inventory stock quantity for this corresponding cutting plan drawing number.

image-1651741034849.png

Image not found or type unknown

image-1651741046648.png

Image not found or type unknown **Note:** The quantity you want to reserve should be less than the BOM quantity.

2. In the **Reserved Qty** column, enter the number of items you want to reserve.

3. Once you have entered the reserve quantity, select the respective checkbox in the **Reserve?**

4. Click **Save changes**.

The entered material quantity will be reserved.

image-1651741081124.png image-165174109

Image not found or type unknown **Note:** If you want to unreserve all the reserved material quantity, click Image not found or type (**Unreserve All** button).

2.5 Revision Comparison

In BOM, when you subsequently revise the quantity of items added against the ISO number, the revision number will be changed. The revision history will be maintained in the back end.

The **Revision Comparison** tab in the **Planning** menu helps you to view the revision history of items added in the BOM.

1. Click **Revision Comparison** in the **Planning**

The **Revision Comparison** page opens.

image-1651741155945.png

Image not found or type unknown

Figure 2.5: Revision Comparison page

2. In the **Module** box, select a module from a drop-down list.

3. In the **Cutting Plan Drawing Number** box, select a cutting plan drawing number from a drop-down list.

4. In the **Revision From** and **Revision To** boxes, select the revision numbers.

5. In the **Comparison Type** box, select one of the following,

- If you want to view the revision history for all items, select
- If you want to view the revision history for added items, select
- If you want to view the revision history for removed items, select
- If you want to view the difference in comparison, select **Difference Only.**

6. Click **Get Difference**.

The revision history opens based on the given criteria. The revision history shows the total quantity and difference quantity after completing the revision.

image-1651741268166.png

Image not found or type unknown

2.5.1 Export Revision Comparison Detail

You can export the revision detail generated in the **Revision Comparison** page in the pdf and image-1651741312302.pngimage-1651741330049.png

excel formats by using Image not found or type unknown (**PDF** button) and Image not found or type unknown (**Excel** button). To know how to export, see the topic, "**Export BOM List**".

2.6 Feasibility

The **Feasibility** tab in the **Planning** menu helps to search the feasibility percentage of items available in the warehouses. Based on the feasibility search percentage, the inspectors will move furtherly for material requisition and material issuance.

To navigate into the Feasibility page,

1. Click **Feasibility** in the **Planning**

image-1651741379178.png

Image not found or type unknown **Figure 2.6: Feasibility page**

image-1651741416786.png

Image not found or type unknown **Note:** The feasibility result displayed in different colors explains that status of ISO feasibility.

- The feasibility result displayed in Red color shows that the ISO has reserved items.
- The feasibility result displayed in Green color shows that the ISO has 100 percentage feasibility.
- The feasibility result displayed in Blue color shows that the ISO has less than 100 percentage feasibility.

2.6.1 To do Feasibility Search

To search the feasibility percentage, do the following steps in the **Feasibility** page,

1. In the **Module** box, select the modules you want.

image-1651741481307.png

Image not found or type unknown **Note**: According to the selection of modules, the system list will be updated in the **System** box.

2. In the **System** box, select the systems you want.

image-1651741494284.png

Image not found or type unknown **Note**: According to the selection of systems, the line list will be updated in the **Line** box.

3. In the **Line Number** box, select the line numbers you want.

4. In the **Feasibility** box, enter the feasibility percentage.

image-1651741549236.png

Image not found or type unknown **Tip**: If you enter 100, the items which have the feasibility percentage of 100 will be listed. If you enter 10, the items which have the feasibility percentage above 10 will be listed.

5. Select the checkbox of **Reserve Material** option if you want to filter the reserve material items.

The page shows the feasibility of the reserved materials.

image-1651741576176.png

Image not found or type unknown

6. Select the checkbox of **Material Substitution** option if you want to filter the material substitution items.

7. If you want to see the feasibility percentage for any particular warehouse, select the warehouse listed in the **Warehouse**

- If you want to view the feasibility percentage for the items in the JDE warehouse, select the checkbox of **JDE**.
- If you want to view the feasibility percentage for the items in the Offcut warehouse, select the checkbox of **Offcut**.
- If you want to view the feasibility percentage for the items in the FIM warehouse, select the checkbox of **FIM**.

8. In the **Category** field, select the category whether **Fab** or **Erection**.

image-1651741736378.png

Image not found or type unknown **Note**: If you want clear the given input data, click image-1651741749387.png Image not found or type unknown (**CLEAR** button).

9. Click **FEASIBILITYSEARCH**.

The feasibility result opens based on the given feasibility percentage.

image-1651741778686.png

Image not found or type unknown

image-1651741797171.png

10. Image not found or type unknown Click (Expand icon) of the respective module.

A new window opens and shows a list of items included in the module.

image-1651741822463.png

Image not found or type unknown

- **BOM Qty** – shows the item's quantity added in the BOM.
- **Required Qty** – shows the required quantity of item.
- **Stock Qty** – shows the overall quantity of stock available in all the inventories.
- **Available Qty** – shows the available quantity of item.
- **Reserve/Release Qty** – shows the reserve/release quantity of an item.

You can reserve the item here while doing feasibility itself by entering the reserve quantity in the respective field. Make sure that the reserve quantity should not be exceeded the stock quantity.

To reserve the items,

1. Select the checkbox of the item for which you want to reserve the quantity.
2. Enter the reserve quantity in the **Reserve/Release Qty**
   image-1651741848108.png
3. Click Image not found or type unknown (**RESERVE MATERIAL** button).

The added quantity will be reserved and updated in the **Reserve Material** page.

- **MR Qty**– shows the quantity of item for which the material requests has added
- **MI Qty**– shows the quantity of item for which the material issuance has done
- The feasibility percentage is calculated based on the available quantity. For example, in the below figure, the given BOM quantity is higher than the available quantity, so the feasibility percentage will be less than 100.

  image-1651741910533.png

  Image not found or type unknown

11. If you want to give purchase order details, enter in the **PO Details**
12. Click **Save changes**.

2.7 Clear Feasibility Search Data

If you want to clear the data of feasibility search done by any of the users, you can use this clear feasibility search data functionality.

Users assigned with Admin role only have access to view the **Clear Feasibility Search Data** tab in the **Planning** menu.

To clear the feasibility search data,

1. Click **Clear Feasibility Search Data** in the **Planning**

The **Feasibility Search Clear** page opens.

image-1651741990825.png

Image not found or type unknown

Figure 2.7.1: Feasibility Search Clear page

The page shows the feasibility search data of all the users.

image-1651742023738.png

2. Click Image not found or type unknown (Clear icon) of the respective user to clear the feasibility search data.

The feasibility search data of the selected user will be cleared.

2.8 Material Substitution

The **Material Substitution** tab in the **Planning** menu helps to substitute one item for another item. To perform the material substitution,

1. Click **Material Substitution** in the **Planning**

The **Material Substitution** page opens.

image-1651742086198.png

Image not found or type unknown

Figure 2.8: Material Substitution

2.8.1 Add Material Substitution

If you want to do material substitution,

image-1651742137680.png

1. Click Image not found or type unknown (**ADD** button) in the **Material Substitution** See Fig 5.8.

The page opens a new window to add the details of material substitution.

image-1651742155842.png

Image not found or type unknown

image-1651742165212.png

Image not found or type unknown **Note:** The field notified with a symbol (*) is mandatory. You must enter the relevant details in that field before saving.

2. In the **Item Code** box, select an item code from a drop-down list.

image-1651742656188.png

Image not found or type unknown **Note:** In the **Item Code** box, a list of item codes added in the BOM will be listed.

3. In the **Substitute Item Code** box, select a substitute item code from a drop-down list.

image-1651742675722.png

Image not found or type unknown **Note:** In the **Substitute Item Code** box, a list of item codes added in the inventory will be listed.

4. In the **Quantity** box, select the quantity of items you want to substitute.

5. Click **Save**.

The entered quantity of items will be substituted successfully. After completing the material substitution, you can do the feasibility search to check the feasibility percentage of the substituted materials.

2.8.2 Export Material Substitution List

You can export a list of material substitutions added in the **Material Substitution** page in the pdf image-1651742727583.png image-1651742745185.png and excel formats by using Image not found or type unknown (**PDF** button) and Image not found or type unknown (**Excel** button). To know how to export, see the topic, “**Export BOM List**”.

2.8.3 Filter a Material Substitution

If you want to filter any material substitution from the list of material substitutions in the **Material Substitution** page, you can use

image-1651742775431.png

Image not found or type unknown (**FILTER** button). To know how to filter, see the topic, “**Filter a BOM**”.

2.9 Component Requirement

The **Component Requirement** tab in the **Planning** menu helps to add the components required for the items. To add the component requirement,

1. Click **Component Requirement** in the **Planning**

The **Component Requirement** page opens with a list of components.

image-1651742842040.png

Image not found or type unknown

Figure 2.9: Component Requirement page

2. Select the module whether **Piping** or **Structural**.

3. Select the checkbox of the component you require.

4. Click **Save changes**.

2.10 Offcut Inventory

When a material issuance has been created with the Offcut material, we need to add the offcut material details in the Offcut inventory. To add the offcut material details,

1. Click **Offcut Inventory** in the **Planning**

The **Offcut Inventory** page opens.

image-1651742927868.png

Image not found or type unknown

Figure 2.10: Offcut Inventory page

2.10.1 Add Offcut Material Detail

To add the offcut material detail,

image-1651742979431.png

1. Click Image not found or type unknown (**ADD** button) in the **Offcut Inventory** See Fig 5.10.

A new window opens to add the details of offcut material.

image-1651743021342.png

Image not found or type unknown

2. In the **Material Request** box, select a material request from a drop-down list.

The cut length for the selected material request opens.

image-1651743038640.png

Image not found or type unknown

3. In the **Cut Length** column, change the cut length of the offcut item if you want.

image-1651743066778.png

Image not found or type unknown **Note:** The cut length should not be exceeded the material issuance quantity.

4. In the **Received Date** box, choose the date when the offcut material received in the Offcut inventory.

5. Click **Save changes**.

The offcut material is added.

2.10.2 Adjust Cut Length Quantity

To adjust the cut length quantity,

image-1651743118398.png

1. Click Image not found or type unknown (Add icon) in the **Adjustment**

The **Adjustment** window opens.

image-1651743362271.png

Image not found or type unknown

image-1651743383896.png

2. Click Image not found or type unknown (**ADD** button) in the **Adjustment**

image-1651743403332.png

Image not found or type unknown

3. In the **Adjustment Qty** box, enter the adjustment cut length quantity.

4. In the **Remarks** box, enter your remarks if any.

5. Click **Save**.

The adjusted cut length quantity will be updated.

image-1651743439949.png

Image not found or type unknown

2.10.3 Export Offcut Inventory List

You can export a list of offcut materials added in the **Offcut Inventory** page in the pdf and excel formats by using

image-1651743504423.png image-1651743515998.png

Image not found or type unknown (**PDF** button) and Image not found or type unknown (**Excel** button). To know how to export, see the topic, "**Export BOM List**".

2.10.4 Filter an Offcut Material

If you want to filter any offcut material from the list of offcut materials in the **Offcut Inventory** page, you can use

image-1651743750614.png

Image not found or type unknown (**FILTER** button). To know how to filter, see the topic, "**Filter a BOM**".

2.11 Material Request

The **Material Request** tab in the **Planning** menu helps to manage the material requests added in the **Feasibility** page.

2.11.1 Add a Material Request

If you want to create a material request, do the following steps,

1. Navigate to the generated feasibility results in the **Feasibility**

image-1651743835210.png

Image not found or type unknown

2. Select the checkbox of the project for which you want to add the material requests.

image-1651743856110.png

3. Click Image not found or type unknown (**ADD MATERIAL REQUEST** button).

The **Sub con Details** window opens.

image-1651743884044.png

Image not found or type unknown

4. In the **Sub Contractor Name** box, select a sub-contractor.

5. In the **Request Date & Time** box, choose the request date and time.

6. In the **Location** box, select a location.

7. Click **SAVE**.

The material request will be added in the **Material Request** page.

image-1651743922601.png

Image not found or type unknown **Note:** For each item code included in the project, one material request will be created individually.

For example, The BOM quantity is 18 and you set the high priority for JDE and the least priority for Offcut. A material request will be created with the JDE inventory if the JDE has the same quantity of 18. If the JDE is available with quantity of 10, then two material requests will be created separately for quantity of 10 in JDE and quantity of 8 in Offcut.

8. Click **Material Request** in the **Planning**

The **Material Request** page opens and shows the list of created material requests.

image-1651743952634.png

Image not found or type unknown

Figure 2.11: Material Request page

image-1651743971621.png

Image not found or type unknown **Note**: The material request displayed in different colors explains the status of the request.

- The material request displayed in Blue color indicates a new material request.
- The material request displayed in Green color indicates the completed material request.

9. If you want to view the material details, click (Expand icon) of the respective request.

The **Material Details** window opens and shows the material details.

image-1651743998654.png

Image not found or type unknown

2.11.2 Approve a Material Request

Once you have added the material request, the **Request Status** column in the **Material Request** image-1651744031602.png page is appeared with Image not found or type unknown (Submit and Reject icons).

1. If you want to approve the material request, click image-1651744047397.png Image not found or type unknown (Approve icon) in the **Request Status** Otherwise click image-1651744069780.png Image not found or type unknown (Reject icon) to reject the request.

The approved material request will be moved for Material Acceptance.

2.11.3 View a Material Request Report

image-1651744140848.png

If you want to view a material request report, click Image not found or type unknown (Report icon) provided in the **Report** column of the **Material Request** page.

2.11.4 Export Material Request List

You can export a list of material requests added in the **Material Request** page in the pdf and image-1651744160958.png

excel formats by using Image not found or type unknown

image-1651744172606.png

(**PDF** button) and Image not found or type unknown (**Excel** button). To know how to export, see the topic, "**Export BOM List**".

2.11.5 Filter a Material Request

If you want to filter any material request from the list of material requests in the **Material** image-1651744204086.png

Request page, you can use Image not found or type unknown

(**FILTER** button). To know how to filter, see the topic, "**Filter a BOM**".

2.12 Material Issuance

When a material request has been created with the Offcut inventory, we need to issue materials from the Offcut inventory for the created request.

image-1651744280776.png

Image not found or type unknown **Note**: You can do the material issuance process for materials only in the Offcut inventory.

The **Material Issuance** tab in the **Planning** menu helps to issue the materials from the Offcut inventory based on the added material request.

1. Click **Material Issuance** in the **Planning**

The **Material Issuance** page opens.

image-1651744303070.png

Image not found or type unknown

Figure 2.12: Material Issuance

2.12.1 Add a Material Issuance Report

If you want to add a material issuance report,

image-1651744358938.png

1. Click Image not found or type unknown (**ADD** button) in the **Material Issuance** See Fig 2.12.

The page opens a new window to add the details of material issuance.

image-1651744389851.png

Image not found or type unknown

image-1651744399253.png

Image not found or type unknown **Note:** The field notified with a symbol (*) is mandatory. You must enter the relevant details in that field before saving.

2. In the **Material Request Number** box, select a material request number from a drop-down list.

3. In the **Issued Date** box, choose the issued date.

4. Click **Save**.

The material issuance request will be added.

2.12.2 Add Issued Quantity

Once you have added the material issuance request, you must add the issued quantity details. To add,

image-1651744456875.png

1. Click Image not found or type unknown (Add icon) in the **Result**

The **Material Details** window opens.

image-1651744471566.png

Image not found or type unknown

2. Check the available quantity in the **Total Quantity**

3. In the **Issued Qty** column, enter the issued quantity.

image-1651744491762.png

Image not found or type unknown **Note:** The issued quantity can be higher than the available total quantity for all type of components.

4. Click **Save changes**.

2.12.3 Approve a Material Issuance

Once you have added the material issuance, the **Issue Status** column in the **Material Issuance** page is appeared with image-1651744541143.png Image not found or type unknown (Submit and Reject icons).

1. If you want to approve the material issuance, click image-1651744564780.png Image not found or type unknown (Approve icon) in the **Issue Status**

Otherwise click image-1651744579333.png Image not found or type unknown (Reject icon) to reject the request.

The approved material issuance will be moved to Offcut Inventory.

2.12.4 View a Material Issuance Report

If you want to view a material issuance report, click image-1651744620840.png Image not found or type unknown (Report icon) provided in the **Report** column of the **Material Issuance** page.

2.12.5 Export Material Issuance List

You can export a list of material issuances added in the **Material Issuance** page in the pdf and excel formats by using image-1651744642792.png Image not found or type unknown

image-1651744655715.png

(**PDF** button) and Image not found or type unknown (**Excel** button). To know how to export, see the topic, "**Export BOM List**".

2.12.6 Filter a Material Issuance

If you want to filter any material issuance from the list of material issuances in the **Material** image-1651744690014.png

Issuance page, you can use Image not found or type unknown

(**FILTER** button). To know how to filter, see the topic, "**Filter a BOM**".

2.13 CNC Process

2.14 BOM Summary

The **BOM Summary** tab in the **Planning** menu helps to view the BOM status added against the module. To view the BOM status,

1. Click **BOM Summary** in the **Planning**

The **BOM Status by ISO** page opens and shows a list of modules with their cutting plan drawings.

image-1651744740722.png

Image not found or type unknown

Figure 2.14: BOM Status by ISO page

image-1651744771611.png

2. Click Image not found or type unknown (Expand icon) in the **Details**

The page shows the items included in the respective module including the BOM quantity, material request quantity, and material issued quantity.

image-1651744805122.png

Image not found or type unknown

2.14.1 Export BOM Status

You can export the BOM generated in the **BOM Status by ISO** page in an excel format by using image-1651744842567.png

Image not found or type unknown (**Excel** button). To know how to export, see the topic, "**Export BOM List**".

2.15 BOM Details

The **BOM Details** tab in the **Planning** menu helps to view the added BOM details. To view the BOM details,

1. Click **BOM Details** in the **Planning**

The **BOM Details** page opens.

image-1651744905643.png

Image not found or type unknown

Figure 2.15: BOM Details page

2. If you want to view any particular BOM details, you can use the filter options (Explained below) given in the page,

- If you want to view the BOM details of any sub-contractor, select a sub-contractor in the **Sub Contractor Name**
- If you want to view the BOM details of any module, select a module in the **Module**
- If you want to view the BOM details against a drawing number, select a drawing number in the **Drawing No**
- If you want to view the BOM details for any item code, select an item code in the **Item Code**
- If you want to view the BOM details against a MR number, select a MR number in the **MR Number**
- The **Option 1**, **Option 2**, **Option 3**, and **Option 4**boxes are provided to filter the BOM details by giving the BOM description.

3. Click **Search**.

The BOM will be displayed based on the given data in the filter boxes.

2.15.1 Export BOM Details

You can export the BOM details generated in the **BOM Details** page in an excel format by using
image-1651745007960.png

Image not found or type unknown (**Excel** button). To know how to export, see the topic, "**Export BOM List**".

2.16 Fit up Production Joints

The **Fit up Production Joints** tab in the **Planning** menu helps you to add an RFI Fit up request.

1. Click **Fit up Production Joints** in the **Planning**

The **Production – Joints (Structural Fit up)** page opens and shows a list of added joints.

image-1651745096760.png

Image not found or type unknown

Figure 2.16: Production – Joints (Structural Fit up) page

2.16.1 Add New Joints

Before creating an RFI fit up request, you can add the joints. If you want to add a new joint, do the following steps.

image-1651745172678.png

1. Click Image not found or type unknown (**ADD** button) in the **Production – Joints (Structural Fit up)**

The **Add Joints** window opens.

image-1651745190333.png

Image not found or type unknown

image-1651745201821.png

Image not found or type unknown **Note:** The field notified with a symbol (*) is mandatory. You must enter the relevant details in that field before saving.

2. In the **Joints** box, select a joint from a drop-down list.

After the selection of joint, the **Unique Number 1** and **Piece Mark 1** boxes appear.

image-1651745222487.png

Image not found or type unknown

3. In the **WPS** box, select a WPS from a drop-down list.

4. In the **Unique Number 1**box, enter the unique number.

5. Click **Save & Close**.

The added joint will be listed in the **Production – Joints (Structural Fit up)** page.

2.16.2 Create an RFI Fit up Request

To create an RFI fit up request,

1. Select the checkbox of the joints for which you want to create an RFI fit up request.

image-1651745280566.png

2. Click Image not found or type unknown (**Create RFI** button).

The **Create RFI** window opens.

image-1651745301047.png

Image not found or type unknown

image-1651745311323.png

Image not found or type unknown **Note:** The field notified with a symbol (*) is mandatory. You must enter the relevant details in that field before saving.

3. In the **Sub Contractor Name** box, select a sub-contractor from a drop-down list.

4. In the **Inspection Date & Time**box, choose the inspection date and time.

5. In the **Location** box, select a location from a list of locations.

6. In the **Report Number** box, edit/change the report number if you want.

7. In the **Description** box, enter the description for the request.

8. Click **Create**.

The added fit up request will be created successfully. The added fit up request will be moved to the **View RFI Fit up** tab in the **Inspection** menu. See Fig 4.1.

image-1651745501271.png

Image not found or type unknown

9. To view the added request,

a. Navigate to the **View RFI Fit up** tab in the **Inspection**

The **REQUEST FOR INSPECTION** page opens and shows the added request.

image-1651745541440.png

Image not found or type unknown

image-1651745583887.png

10. To submit the request, click Image not found or type unknown (Submit icon) in the **Request Status**

Once you have submitted the request, the result icon will be enabled in the **Result** column.

image-1651745603777.png

Image not found or type unknown

image-1651745621709.png

11. Click Image not found or type unknown (Result icon) and add your fit up inspection results.

image-1651745638086.png

Image not found or type unknown

2.16.3 Export Joints List

You can export a list of joints added in the **Production – Joints (Structural Fit up)** page in the pdf and excel formats by using image-1651745683581.png image-1651745697682.png

Image not found or type unknown (**PDF** button) and Image not found or type unknown (**Excel** button). To know how to export, see the topic, "**Export BOM List**".

2.16.4 Filter a joint

If you want to filter any joint from the list of joints in the **Production – Joints (Structural Fit up)** page, you can use

image-1651745738145.png

Image not found or type unknown (**FILTER** button). To know how to filter, see the topic, "**Filter a BOM**".

2.17 Weld VI Production Joints

The **Weld VI Production Joints** tab in the **Planning** menu helps you to add a weld VI request.

1. Click **Weld VI Production Joints** in the **Planning**

The **Production – Joints (Structural Weld VI)** page opens and shows a list of added joints.

image-1651745770643.png

Image not found or type unknown

Figure 2.17: Production – Joints (Piping Weld VI) page

2.17.1 Add New Joints

Before creating a weld request, you should add the joints. If you want to add a new joint, do the following steps.

image-1651745815472.png

1. Click Image not found or type unknown (**ADD** button) in the **Production – Joints (Piping Weld VI)**

The **Add Joints** window opens.

image-1651745828403.png

Image not found or type unknown

image-1651745856768.png

Image not found or type unknown **Note:** The field notified with a symbol (*) is mandatory. You must enter the relevant details in that field before saving.

2. In the **Joints** box, select a joint from a drop-down list.

According to the selection of joints, the drawing number, line number, spool number, and sheet number will be updated.

3. In the **WPS b**ox, select a WPS from a drop-down list.

4. In the **Weld Date** box, choose the weld date.

image-1651745881329.png

5. In the **Add Welder** window, click Image not found or type unknown (**ADD** button).

A new field opens to add the welder details.

image-1651745896454.png

Image not found or type unknown

- In the **Weld Process** box, select a weld process.
- In the **Weld Position** box, select a weld position.
- In the **Weld Layers** box, select the checkbox of the weld layers.
- In the **Welder Number / Name** box, select a welder name and number.
- Click **Save**.

6. Click **Save & Close**.

The added joint will be listed in the **Production – Joints (Piping Weld VI)** page.

2.17.2 Create a Weld VI Request

To create a weld VI request,

1. Select the checkbox of the joints for which you want to create a weld VI request.

image-1651745966132.png

2. Click Image not found or type unknown (**Create RFI** button).

The **Create RFI** window opens.

image-1651745996194.png

Image not found or type unknown

image-1651746010556.png

Image not found or type unknown **Note:** The field notified with a symbol (*) is mandatory. You must enter the relevant details in that field before saving.

3. In the **Sub Contractor Name** box, select a sub-contractor from a drop-down list.

4. In the **Inspection Date & Time**box, choose the inspection date and time.

5. In the **Location** box, select a location from a list of locations.

6. In the **Report Number** box, edit/change the report number if you want.

7. In the **Description** box, enter the description for the request.

8. Click **Create**.

The added weld VI request will be created successfully. The added weld VI request will be moved to the **View RFI Weld VI** tab in the **Inspection** menu. See Fig 4.1.

image-1651746075158.png

Image not found or type unknown

9. To view the added request, navigate to the **View RFI Weld VI** tab in the **Inspection**

The **RFI Weld Visual Request List** page opens and shows the added weld VI request.

image-1651746097499.png

Image not found or type unknown

image-1651746113727.png

10. To submit the request, click Image not found or type unknown (Submit icon) in the **Request Status**

Once you have submitted the request, the result icon will be enabled in the **Result** column.

image-1651746132111.png

Image not found or type unknown

image-1651746146125.png

11. Click Image not found or type unknown (Result icon) and add your weld visual inspection results.

image-1651746159640.png

Image not found or type unknown

2.17.3 Export Joints List

You can export a list of joints added in the **Production – Joints (Piping Weld VI)** page in the pdf and excel formats by using

image-1651746230107.png image-1651746240724.png

Image not found or type unknown (**PDF** button) and Image not found or type unknown (**Excel** button). To know how to export, see the topic, "

Export BOM List".

2.17.4 Filter a joint

If you want to filter any joint from the list of joints in the **Production – Joints (Piping Weld VI)** page, you can use

image-1651746260246.png

Image not found or type unknown (**FILTER** button). To know how to filter, see the topic, "**Filter a BOM**".

2.18 View Release Notes

2.19 View Painting Inspection