

**Report Name: Auto Reorder Point**

**Report Type: DS/Tableau**

**Track: Petchem**

**Module: SAP-APO**

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| ***Document Control Information*** | |
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| **Functional Owner** | Aruna Singh |
| **Business Owner** | Debopam Das |
| **Technical Owner** | Aruna Singh |

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| ***Document Details*** | |
| **Report/Dashboard Name** | Auto Reorder Point |
| **Purpose** | It has direct impact on **sales performance** and **Customer Service Levels** in Petrochemicals sector at RIL. It represents at plant and division level details with maximum cases of inventory falling below or about to below Reorder Point. |
| **Data sources** | Petchem- Auto Reorder Point |
| **HANA Views** | Auto Reorder Point (RSI\_M036 and RSI\_M037) |
| **Servers Applicable** | RP2/APO |
| **Role ID** |  |
| **URL(Dev and Prod)** | <http://tabdev.ril.com/t/RIL/authoringNewWorkbook/AutoReorderPoint#1> |
| **Folder Hierarchy where Placed** |  |

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| ***Change Request History*** | | | | | | |
| **Change Request Number** | **Change Request Date** | **Change Description(Short)** | **CR Number** | **CD Number** | **TR Used for Transport** | **Transport Date** |
| 1 | 14.02.2019 | Inventory Replenishment- Auto Reorder Point | 5026304 | 8030173  8030172 | [BD6K945611](javascript:void(0))  [BD6K945437](javascript:void(0))  [BD6K945008](javascript:void(0)) | 13.03.2019 |
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| ***Change Details (With detail Functional and Technical Spec)*** |

**Change Serial No: 1**

**Functional Change Details:**

**Technical Change Details:**

**Change Serial No: 2**

**Functional Change Details:**

**Technical Change Details:**

**Change Serial No: 3**

**Functional Change Details:**

**Technical Change Details:**

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| Hana View/Query Details | Base Table |
| Aggregation/Projection/Rank Explanation |
| Join/Union |
| \*This section holds detailed explanation of the Hana view with Screenshots for reference | Filter |
| Calculated Columns |

**Calculated Columns:**

RH\_BAL\_PENDO: **IF(isNull(**"RH\_CONPLAN\_MTD"**)=**0 **AND** "RH\_CONPLAN\_MTD"**>**"Z\_BILLQTY\_MTD"**,**"RH\_CONPLAN\_MTD"**-**"Z\_BILLQTY\_MTD"**,**0**)**

**RH\_BAL\_PENDO\_MOU: IF(**"ZPLNCLASS"**=**'A'**,**"RH\_BAL\_PENDO"**,**0**)**

**AVG\_DAILY\_DEMAND: IF(isNull(**"RH\_REM\_DAYS"**)=**0**,** "RH\_BAL\_PENDO"**/**"RH\_REM\_DAYS"**,**0**)**

**RH\_TRANSIT\_STOCK\_DAYS: IF(isNull(**"TRNSTCK"**/**"AVG\_DAILY\_DEMAND"**)=**0**,**"TRNSTCK"**/**"AVG\_DAILY\_DEMAND"**,**0**)**

**DAYS\_OF\_COVERAGE: IF(isNull(**"OPNSTK"**/**"AVG\_DAILY\_DEMAND"**)=**0**,**"OPNSTK"**/**"AVG\_DAILY\_DEMAND"**,**0**)**

RH\_STO\_PENDO\_DAYS:

**IF(isNull(**"Z\_STOPENDO\_UNITS"**/**"AVG\_DAILY\_DEMAND"**)=**0**,**"Z\_STOPENDO\_UNITS"**/**"AVG\_DAILY\_DEMAND"**,**0**)**

**RH\_REORDER\_DAYS:** "RH\_OVERALL\_RELEVANT\_TIME"**+**1**+**"RH\_SAFETY\_STOCK\_DAYS"**-**"RH\_TRANSIT\_STOCK\_DAYS"**-**"RH\_STO\_PENDO\_ORDER\_DAYS"

RH\_REORDER\_DAYS\_WOPENDO: "RH\_OVERALL\_RELEVANT\_TIME"**+**1**+**"RH\_SAFETY\_STOCK\_DAYS"**-**"RH\_TRANSIT\_STOCK\_DAYS"

RH\_REM\_DAYS:

**INT(RIGHTSTR(STRING(lastday(DATE(**"RH\_NOW"**))),**2**))- int(midstr(**"RH\_NOW"**,**7**,**8**)) +**1

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| ***Report Purpose*** |

It has direct impact on **sales performance** and **Customer Service Levels** in Petrochemicals sector at RIL. It represents at plant and division level details with maximum cases of inventory falling below or about to below Reorder Point.

For this, It will create a scenario at division , Plant, Material level for stock falling below or about to fall below reorder point.

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| ***KPI Details with Definition*** |

Auto Reorder Point

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| ***Functional Logic*** |

It creates a scenario at division , Plant, Material level for stock falling below or about to fall below reorder point.

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| Field List in the Report | Table | Field | Joining Logic/Filters |

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| ***Technical Details*** |

Used tables: ZAPO\_DEP\_CONPLAN, ZAPO\_PC\_CUSCLASS for constraint plan calculation, ZST\_SI\_095 for open stock and transit stock, VBRK, VBRP for billing qty from MTD calculation, RSI\_M013 for Safety Stock , Days of coverage, daily\_demnd var units and RSI\_M037 (AT\_RPLANT, CV\_SO\_004) for STO Pendo Unit and STO Pendo days Datasource Name

HANA Views: RSI\_M036 and RSI\_M037

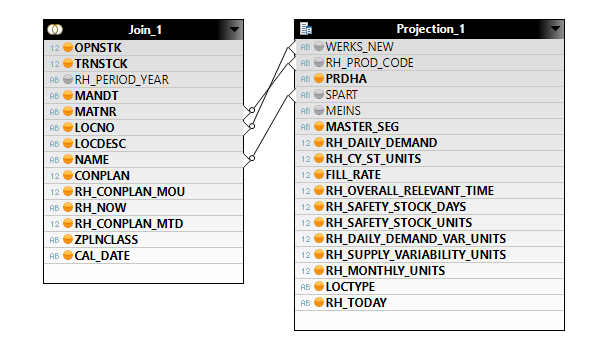
ALV Report Names

Structures

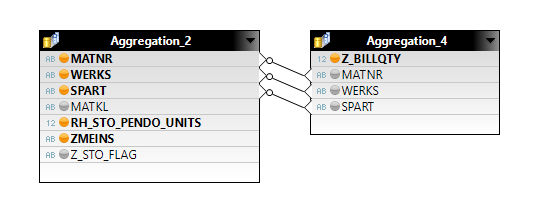
Tables

Tableau Links

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| ***HANA View Details*** |

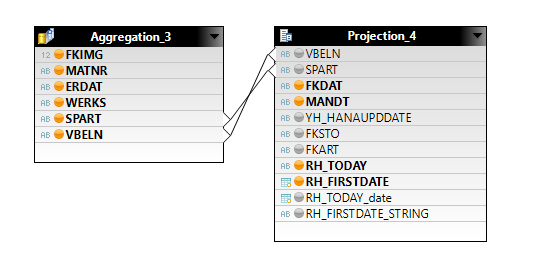


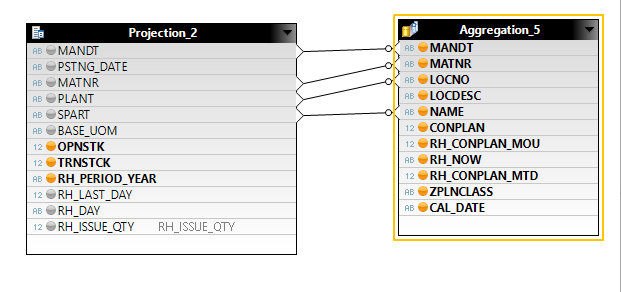
Join 5 to get the demand and Supply at plant material and division level.



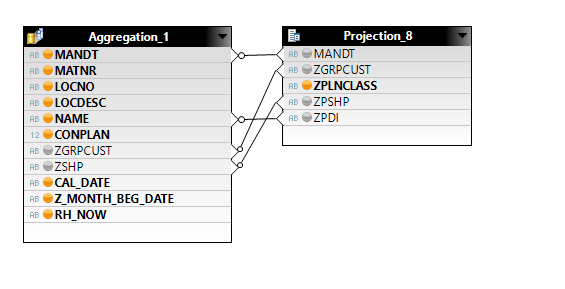
Join 3 to get STO Pendo Units and Billing Qty at plant material and division level.

Join 4 to get billing qty

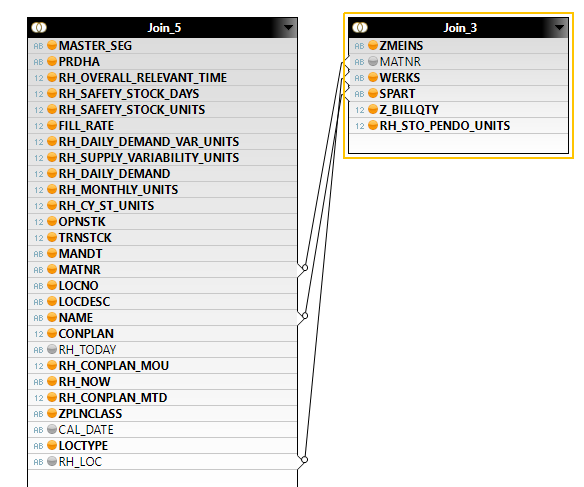




Join 1 to get conplan from month beginning to todays date



Join 2 to get conplan MOU at customer classification at plant material and division level



Join 10 to calculate all fields on the basis of material, plants and division.

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| ***AMDP Details*** |

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| ***Data Source Details*** |

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| ***ALV Report Details*** |

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| ***Tableau Dashboard*** |

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| **Dashboard** | |
| **Section** | Each Filter Functionality with Screenshots |
| **Query Used** | Query Screenshots |

**🡸 Use this section to attach screenshots of the Dashboard and explain the Filters used and the functionality of the Filters.**

**🡸 Attach Screenshots of the additional Query Used or Calculation Column with the logic.**

**UAT Mail:**

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**\*Kindly attach UAT Mail.**