



Material Master **Data** **in SAP MM**



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Material Master Data in SAP MM:

Material Master Data in SAP MM (Materials Management) is a core component of the SAP ERP (Enterprise Resource Planning) system that plays a fundamental role in managing materials within an organization. It serves as a centralized repository of information about all materials or products a company procures, produces, stores, or sells.

Material Master Data includes detailed information about each material, such as:

Material Type: Classifies materials into categories like finished products, raw materials, semi-finished products, etc.

Material Group: Further categorizes materials for easier management.

Description: A detailed description of the material.

Unit of Measure: Specifies how the material is measured (e.g., pieces, liters, kilograms).

Storage Locations: Information about where the material is stored within the organization.

Stock Levels: Current stock quantities and values.

Price Information: Costs associated with the material.

Supplier Information: Details about suppliers who provide the material.

Purchasing Information: Information related to purchasing the material, like lead times, order quantities, and preferred vendors.

Plant Data: Data related to the production of the material, including the bill of materials, routing, and work centers.

Sales Information: Data for selling the material, such as sales price and customer data.

Quality Management Information: Specifications for quality checks and inspection of the material.

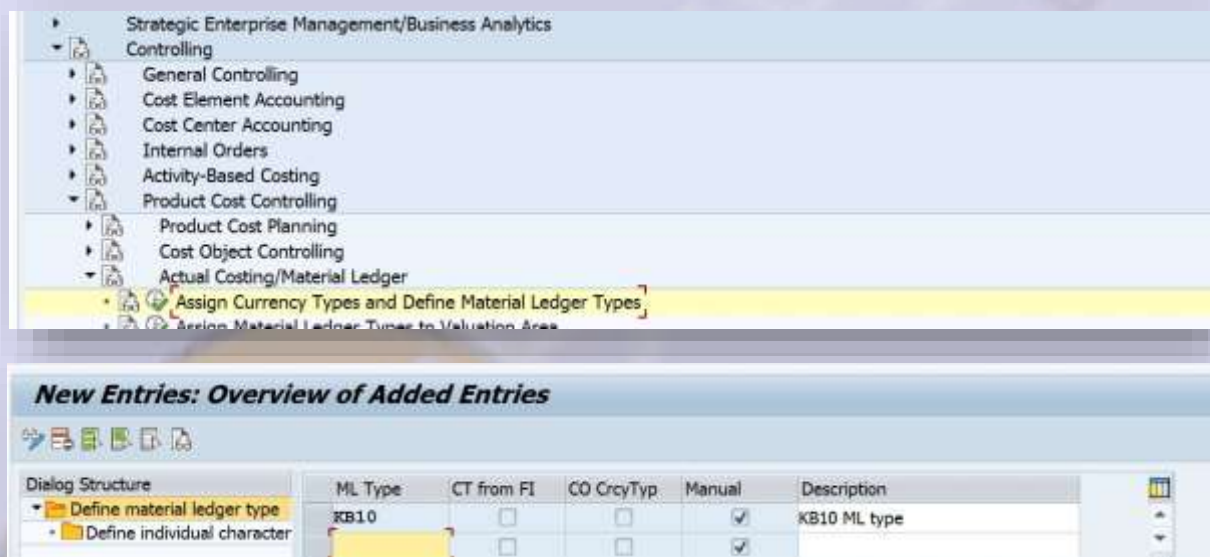
Serial Numbers and Batch Information: For traceability purposes.

Material Master Data is critical for various business processes, including procurement, inventory management, production planning, and sales. It ensures that everyone in the organization has access to accurate and up-to-date information about materials, which helps in efficient resource allocation, cost control, and decision-making.

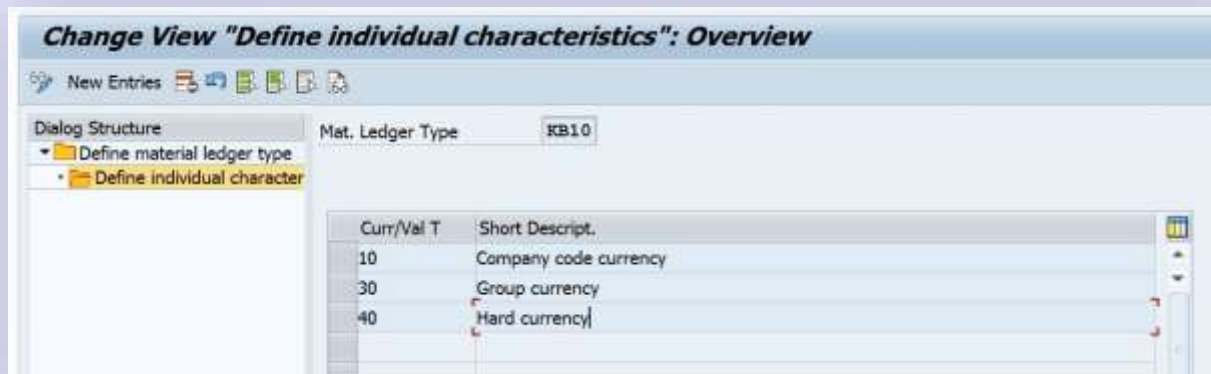
Material Ledger: Material Ledger is a tool that collects transaction data for materials whose master data is stored in material master. The material ledger uses this data to calculate prices to value these materials. The material ledger is basis of actual costing. It enables material inventories to be valued in multiple currencies and allows the use of different valuation approaches.

Material master: The material master contains information on all the material that a company procures or produces, stores, and sells. It is the company's central source for retrieving material-specific data. This information is stored in individual material record.

1. Assign Currency Types and Define Material Ledger Types. Path:



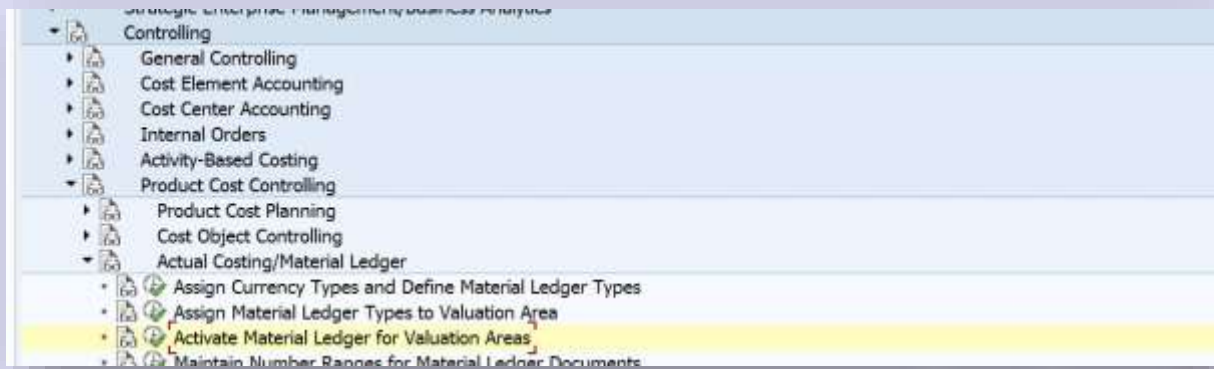
Select ML type and double click on define individual character.



2. Assign Material Ledger Type to Valuation Areas. Path:



3. Activate Material Ledger for Valuation Areas. Path:



Execute and double click on activate material ledger



Select ML activate check box and save.

4. Set Valuation Areas as Productive.

Path:



Production Startup of Mat. Ledger

Selection Options

Plant to

Parameters

Exchange Rate Type

☐ Immediately After Period Chge.

Processing Options

☒ Background Processing

☒ Test Run

Parallel Processing

Server Group

Package Size

PO history

☒ Master data + PO hist.(normal)

☐ Master Data Only (Step 1)

☐ PO History Only (Step 2)

Purchasing Document to

Job name

Date/time **After Job** **After event** **With oper. mode** **Workday/time**

Planned Start

No Start After

☒ Start Immediately

Restriction Date/Time

☒ Change print param.

Check Confirm



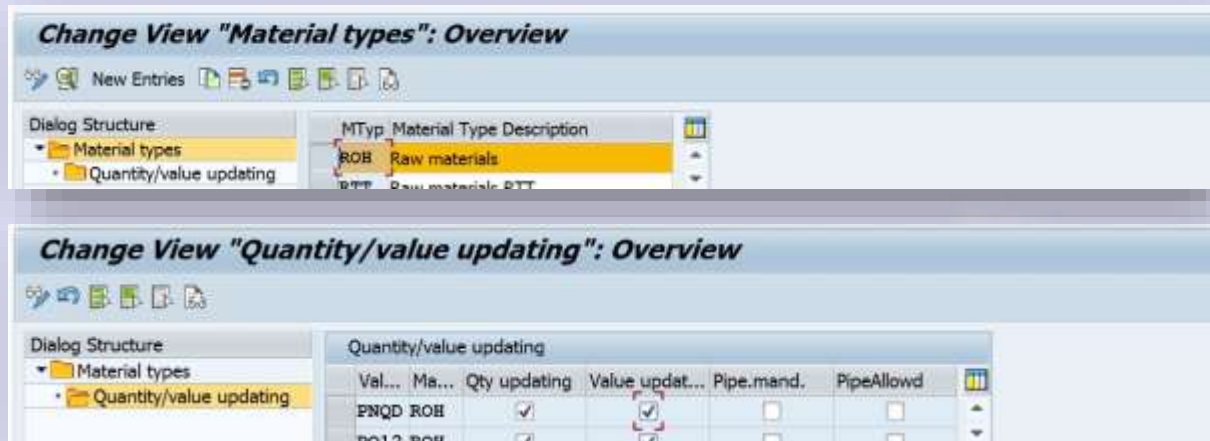
5. Define Attributes of Material Types

Tcode: OMS2

Path:



Select material type and double click on Quantity/Value updating.

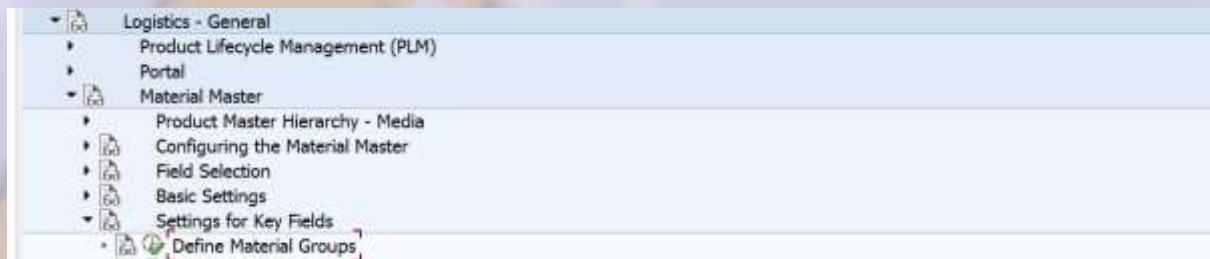


Follow same process for HAWA, FERT, HALB, LEHI Material types.

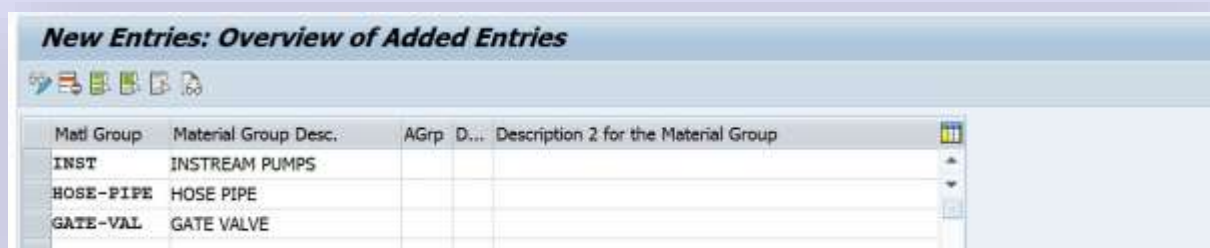
6. Define material group.

Tcode: OMSF

Path:



Execute and click on new entry.



Save it.

7. Create material master data.

Tcode: MM01

Path:



Create Material (Initial Screen)

Select View(s) Org. Levels Data

Material

Industry Sector M Mechanical engineering

Material type ROH Raw Material kb

Change Number

Copy from...

Material

Enter and select basic data, Purchasing, General plant/storage 1, Accounting 1 view.



Press enter and enter plant and storage location.



Press enter.

Create Material 7000100209 (Raw Material kb)

Additional Data Org. Levels Check Screen Data

Basic data 1 Basic data 2 Classification Sales: sales org. 1 Sales: sales org. 2 Sales: Gener...

Material: 7000100209
 Descr.: Gate Valve

General Data

Base Unit of Measure	EA	Material Group	GATE-VAL
Old material number		Ext. Matd Group	
Division		Lab/Office	
Product allocation			
X-Plant Mat.Status		Valid from	
Assign effect. vals		GenItemCatGroup	

Ext. SPP Basic Data Purchasing Intl Trade: Import Purchase order text Plant data / stor. 1

Material: 7000100209
 Descr.: Gate Valve
 Plant: PNQD PUNE

General Data

Base Unit of Measure	EA	each	Order Unit		Var. OUn	☐
Purchasing Group	K05		Material Group	GATE-VAL		
Plant-Sp.Matd Status			Valid From			
Tax ind. f. material			Qual.f.FreeGoodsDis.			
Material freight grp			Autom. PO			☐
Batch management		☐				
Batch management(Plant)		☐				

Purchasing values

Purchasing value key	1		Shipping Instr.			
1st Reminder/Exped.	10	days	Underdel. Tolerance	0,0	percent	
2nd Reminder/Exped.	20	days	Overdeliv. Tolerance	0,0	percent	
3rd Reminder/Exped.	30	days	Min. Del. Qty in %	0,0	percent	
StdValueDelivDateVar	0	days				

Purchase order text Plant data / stor. 1 Plant data / stor. 2 Accounting 1 Accounting 2 P

Material: 7000100209
 Descr.: Gate Valve
 Plant: PNQD PUNE
 Stor. Loc.: FGC Fin.Gds (Common)

General data

Base Unit of Measure	EA	each	Unit of issue	
Storage Bin			Picking area	
Temp. conditions			Storage conditions	
Container reqmts			Haz. material number	
CC Phys. Inv. Ind.		☐ CC fixed	Number of GR slips	0
Label type		Lab.form ☐	☐ Appr.Batch Recd Req.	
☐ Batch Management				
☐ Batch management(Plant)				

Plant data / stor. 2 Accounting 1 Accounting 2 Plant stock Stor. loc. stock WM Execution

Material: 7000100209
 Descr.: Gate Valve
 Plant: PNQD PUNE

General Data

Base Unit of Measure	EA	each	Valuation Category	
Currency	INR		Current period	01 2023
Division			Price Determ.	☐ ML Act.

Current valuation

Valuation Class	3000	Proj. stk val. class	
VC: Sales order stk		Price unit	1
Price control	V	Standard price	0,00
Moving price	5.000,00	Total Value	0,00
Total Stock	0		
☐ Valuated UoM			
Future price	0,00	Valid from	

Previous period/year Std cost estimate

Save it.



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