



Project: GOBI JSC SAP Project

Date: 04-01-2024

Author: xxx

Version: VF

ГАРЫН АВЛАГА

Материал мастер дата үүсгэх процесс
Material master data create process

Decision
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ӨӨРЧЛӨЛТИЙН ТҮҮХ

Хувилбар	Боловсруулсан	Огноо	Зөвшеөрсөн
V1.0	П. Саранчулун	04-01-2024	

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1 MATERIAL MASTER DATA

1.1 Material master create

T-code: **MM01**

Материал үүсгэх цонх

Material RM990000-1121-0000

Industry M Mechanical engineering

Material Type 10 Cashmere

Change Number

Copy from...

Material

1. Material: Материалын кодыг оруулна
2. Industry: M Mechanical engineering-ыг сонгоно.
3. Material Type: Холбоотой материалын төрлийг сонгоно. Энэ 3 талбарыг бөглөөд “enter” товчлур дарна.

Create Material (Initial Screen)

Select View(s) Org. Levels Data

Material RR000100

Industry M Mechanical engineering

Material Type 10 Cashmere

Change Number

Copy from...

Material

Select View(s)

View

- Basic Data 1
- Basic Data 2
- Classification
- Sales: Sales Org. Data 1
- Sales: Sales Org. Data 2
- Sales: General/Plant Data
- Extended SPP Basic Data
- International Trade: Export
- Sales Text
- Purchasing
- International Trade: Import
- Purchase Order Text
- MRP 1
- MRP 2
- MRP 3

Create Material (Initial Screen)	
Select View(s)	Org. Levels Data
Material	RR000100
Industry	M Mechanical engineering
Material Type	10 Cashmere
Change Number	<input type="text"/>
Copy from...	
Material	<input type="text"/>

Select View сонголтоос Basic Data 1(үндсэн дата),
Basic Data 2(үндсэн дата),
Classification(батч болон өөрсдийн үүсгэсэн нэмэлт талбарууд),
Purchasing (худалдан авалттай холбоотой тохиргоо)
MRP 1
MRP 2
MRP 3
MRP 4 (үйлдвэрийн шаардлагатай материалын төлөвлөгөө)
General Plant Data/ Storage 1
General Plant Data/ Storage 2 (үйлдвэр болон агуулахын байршлын
 мэдээлэл)
Accounting 1
Accounting 2
Costing 1
Costing 2 (Санхүүгийн өртө болон бүртгэлтэй холбоотой мэдээлэл)
 гэсэн талбаруудыг идэвхижүүлээд “enter” дарна.

Basic Data 1:

Create Material RM990000-1121-0000 (Cashmere)

Additional Data Org. Levels Check Screen Data

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

Material	RM990000-1121-0000		
Descr.	1 Blended 100% cashmere 1121		
General Data			
Base Unit of Measure	2 KG	Material Group	3 CB
Old material number		Ext. Matl Group	
Division	4 00	Lab/Office	
Product allocation		Valid from	
X-Plant Mat.Status		GenItemCatGroup	NORM Standard item
Assign effect. vals			
Material authorization group			
Authorization Group			
Dimensions/EANs			
Gross Weight		Unit of Weight	
Net Weight			
Volume		Volume Unit	
Size/dimensions			
EAN/UPC	5	EAN category	6
Packaging material data			
Mati Grp Pack.Mats			
Basic Data Texts			
Languages Maintained	0	Basic Data Text	Language:

- Description:** Blended 100% cashmere 1121
Материалын нэршил дээр бараа материалын нэрийг оруулна.
- Base unit of Measure:** KG
Үндсэн жингийн хэмжигдэхүүнээ оруулна.
- Material group:** CB /blended cashmere/
Материалын групп: Материалтай холбоотой группыг сонгоно.
- Division-** холбоотой
- EAN/UPC** – бэлэн бүтээгдэхүүн дээр ашиглах ба бүтээгдэхүүний хуучин баркодыг оруулна.
- EAN category**- Шинээр баркод үүсгэх бол Z1- Gobi code-ыг сонгож систем дээр автомаар үүснэ.

Холбоотой талбаруудыг бөглөж дуусаад “enter” дарна.

Classification:

Classification

Object

Material	RM990000-1121-0000
Blended 100% cashmere 1121	
Class Type	1 001 Material Class

Assignments

Class	Description	Sta...	S..	Icon	Itm
ZM_01	Material classification		1	✓	10

Values for Class ZM_01 - Object RM990000-1121-0000

General

Characteristic Description	Value
Size	(highlighted)
Color	
Season	
Collection	
Gauge	
Pattern	
Main material Composition	
Yarn Count	
Equipment	
HS_Code	

Inconsistent

Classification view: Шинж чанарын үзүүлэлт

1. Class type: 001 сонгосноор өөрсдөө үүсгэсэн талбаруудаа харах боломжтой.
2. Class: ZM_01 ийг сонгоно.
3. Characteristic description: Өөрсдийн үүсгэсэн талбаруудаа бөглөж оруулна.(бэлэн бүтээгдэхүүн дээр ашиглана.)

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Classification

Object

Material	RM990000-1121-0000
Blended 100% cashmere 1121	
Class Type	022 Batch

Assignments

Class	Description	Sta...	S..	Icon	Itm
ZMB_01	Batch classification		1		10

Values for Class ZMB_01 - Object RM990000-1121-0000

General

Characteristic Description	Value
3 Date of last goods receipt	<input type="text" value=""/>
Barcode	
Moisture content	
Cone	
Total Cone	

1. Class type: 022-ыг сонгосноор батчийг идэвхийжүүлэх боломжтой болно.
2. Class: ZMB_01 сонгоно.
3. Characteristic description: Хулээж авсан огноогоо оруулна.

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Sales:

Create Material RM990000-1121-0000 (Cashmere)

Additional Data Org. Levels Check Screen Data 1

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

Organizational Levels

Plant	8001	Main Plant
Sales Org.	8001	
Distr. Channel	00	

Material
Descr.
Other Data
Basic material
MS Book Part Number
Medium

Environment
DG indicator profile
Environmentally rvt
In bulk/liquid
Highly viscous

Segmentation Data
Segmentation Structure
Segmentation Strategy

Design documents assigned
No link

Design Drawing
Document
Page number Doc.ch.no.
Document Type
Page format
Doc.vers.
No. sheets

- Sales: sales org.1: Цонх нь Борлуулалтаас тохиргоо хийх цонх. Тухайн материал нь борлуулдаг бараа материал бол Sales хэсэгт тохиргоо хийнэ.
- Plant: Main plant үндсэн агуулах эсвэл дэлгүүртэй холбоотой цонхoo сонгоно.
- Sales Org.: 8001 Gobi domestic sales
8002 Gobi export sales
8003 Gobi Global sales тохиорох утгыг оруулна.
- Distr.Channel: Тохиорох утгыг оруулна.

Purchasing:

Create Material RM990000-11210 (Cashmere)

Sales text Purchasing Int'l Trade: Import Purchase order text MRP 1 MRP 2

Material	RM990000-11210	Order Unit	kg
Descr.	Blended 100% cashmere 1121	Material Group	CB
Plant	8001 Main Plant	Valid From	
General Data		Qual.f.FreeGoodsDis.	
1 Purchasing Group	102	Autom. PO	
Material Status	Z0		
Tax ind. f. material			
Material freight grp			
Batch management(Plant)	<input checked="" type="checkbox"/>		
Purchasing values			
Purchasing value key		Shipping Instr.	
1st Reminder/Exped.	0 days	Underdel. Tolerance	0.0 percent
2nd Reminder/Exped.	0 days	Overdelv. Tolerance	0.0 percent
3rd Reminder/Exped.	0 days	Min. Del. Qty in %	0.0 percent
StdValueDelvDateVar	0 days		
Unld. Overdelivery	<input type="checkbox"/>		
Acknowledgment Reqd.	<input type="checkbox"/>		
Other data / manufacturer data			
GR processing time	<input type="checkbox"/> days		
Post to Insp. Stock	<input type="checkbox"/>	JIT Delivery	<input type="checkbox"/>
Critical Part	<input type="checkbox"/>		
Source Ist	<input type="checkbox"/>		

1. Purchasing group: Тухайн материалыг аль зах зээлээс авах нь тодорхой бол тохигоог хийнэ.

Purchasing Group (1) 7 Entries found

Restrictions			
PGr	Description	Telephone	Fax Number
000	Default group		
101	China Market		
102	Domestic Market		
103	Japan Market		
104	EU Market		
201	Raw material		
301	Service/Expense		

2. Order unit: Тухайн материалын захиалах нэгжийг оруулна.

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MRP 1:

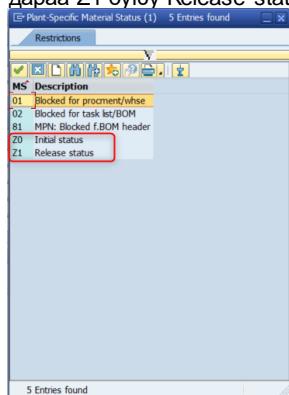
Create Material RM990000-11210 (Cashmere)

Additional Data Org. Levels Check Screen Data

Purchase order text MRP 1 MRP 2 MRP 3 MRP 4 Advanced Planning Forecast

Material	RM990000-11210	Plant	8001 Main Plant
Descr.	Blended 100% cashmere 1121	[Info]	
General Data	Base Unit of Measure: KG MRP Group: 2001 Purchasing Group: 102 ABC Indicator: Material Status: Z0 Valid From: 1		
MRP Procedure	MRP Type: PD Planning Time Fence: Reorder Point: Planning Cycle: MRP Controller: 101 2 3 4		
Lot Size Data	Lot Sizing Procedure: MB Minimum Lot Size: Fixed Lot Size: Lot-Size-Ind. Costs: Assembly Scrap (%): Rounding Profile: Maximum Lot Size: Maximum Stock Level: Storage Costs Code: Takt Time: Rounding Value: 5		
MRP Areas	MRP Area Exists: MRP Areas		

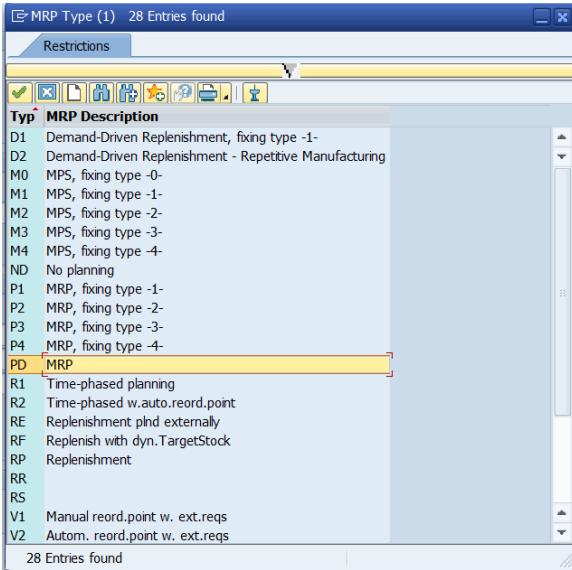
1. **MRP Group:** Z001 Gobi-ыг сонгоно.
2. **Material status:** Шинээр бүртгэж байгаа материал бүгд Z0 буюу Initial Status дээр байна. Санхүүгээс стандарт өргтгийн тооцоолол (material cost estimate) хийсэнд дараа Z1 буюу Release status төлөв рүү шилжинэ.



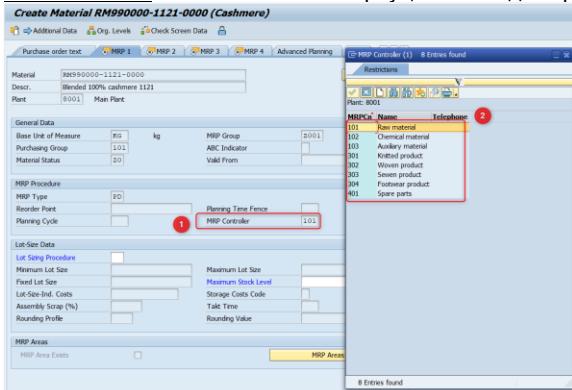
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3. MRP Type: PD MRP гэсэн төрлийг сонгоно.



4. MRP Controller: Холбоотой MRP хариуцагчийн кодыг оруулна



5. Lot Sizing Procedure: Гаднаас худалдаж авч байгаа материал бол МВ буюу monthly lot size гэдгийг сонгоно. Тухайн үйлдвэр өөрөө үйлдвэрлэдэг бол EX сонгоно.

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Create Material RM990000-1121-0000

Lot Sizing Procedure in Materials Planning (1) 11 Entries found

Lot Sizing	LS	LI	Pds	L1P	L1U	Per Description
EX	S	E	0	0	0	Lot-for-lot order quantity
FS	S	S	0	0	0	Fixing and splitting
FX	S	F	0	0	0	Fixed order quantity
H1	S	H	0	0	0	Replen to max stock after covering reqs
HB	S	H	0	0	0	Replen to max stock before covering reqs
MB	P	M	1	0	0	Monthly lot size
PB	P	P	1	0	0	Period lot size = posting period
PK	P	K	1	0	0	Period lot size acc. to plng calendar
TB	T		1	0	0	Daily lot size
W2	P	W	1	0	0	Weekly lot size
WB	P	W	1	0	0	Weekly lot size

Additional Data Org. Levels MRP 1 Restrictions

Purchase order text MRP 1 Lot Sizing LS LI Pds L1P L1U Per Description

Material: RM990000-1121-0000
 Descr.: Blended 100% cashmere 1121
 Plant: 0001 Main Plant

General Data
 Base Unit of Measure: KG
 Purchasing Group: 101
 Material Status: 20

MRP Procedure
 MRP Type: PD
 Reorder Point:
 Planning Cycle:

Lot-Size Data
Lot Sizing Procedure: NSI

Minimum Lot Size:
 Fixed Lot Size:
 Lot-Size-Ind. Costs:
 Assembly Scrap (%):
 Rounding Profile:

MRP Areas
 MRP Area Exists:

11 Entries found

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MRP 2:

Create Material RM990000-11-0000 (Cashmere)

Additional Data Org. Levels Check Screen Data

MRP 1 **MRP 2** MRP 3 MRP 4 Advanced Planning Forecasting Plant data...

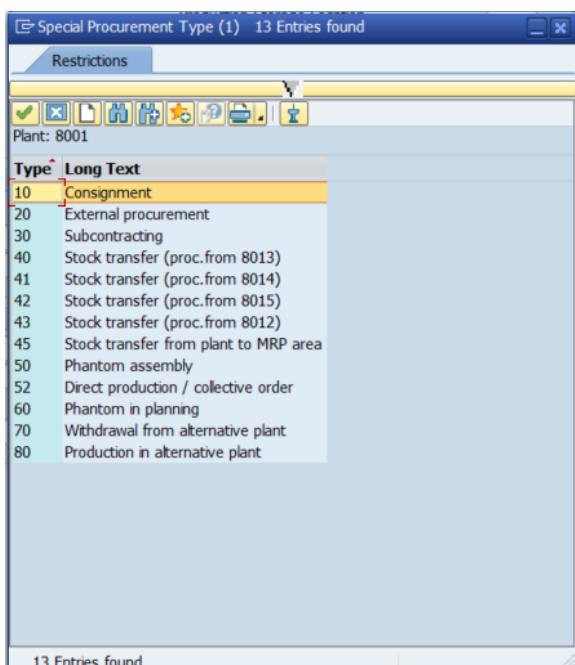
Material	RM990000-11-0000		
Descr.	Blended 100% cashmere 1121		
Plant	8001 Main Plant		
Procurement			
Procurement Type	<input type="radio"/> E	Batch Entry	<input type="checkbox"/>
Special Procurement	<input checked="" type="checkbox"/>	Production Storage Location	<input type="checkbox"/>
Backflush	<input type="checkbox"/>	Proposed Supply Area	<input type="checkbox"/>
JIT Delivery Schedule	<input type="checkbox"/>	Stor. Location for Ext. Proc.	<input type="checkbox"/>
Bulk Material	<input type="checkbox"/>	Stock Determination Group	<input type="checkbox"/>
Scheduling			
Goods Rec. Proc. Time	<input type="checkbox"/> days	Planned Delivery Time	<input type="checkbox"/> days
Scheduling Margin Key	<input type="checkbox"/>	Planning Calendar	<input type="checkbox"/>
Net Requirements Calculation			
Safety Stock	<input type="checkbox"/>	Service level (%)	<input type="checkbox"/>
Minimum Safety Stock	<input type="checkbox"/>	Range-of-Coverage Profile	<input type="checkbox"/>
Safety Time	<input type="checkbox"/>	Safety Time	<input type="checkbox"/> days
Profile for Saf. Time	<input type="checkbox"/>		

Procurement type: E In-House Production тухайн plant өөрөө үйлдвэрлэдэг
 F External Procurement тухайн plant өөрсдөө үйлдвэрлэдэггүй
 бусад factory plant-аас эсвэл main plant-аас авдаг бол
 Хоосон байвал – No Procurement
 Онцгой тохиолдолд буюу өөрсдөө ч үйлдвэрлэдэг мөн гаднаас
 худалдаж авдаг бол X Both Procurement types-ыг сонгоно.

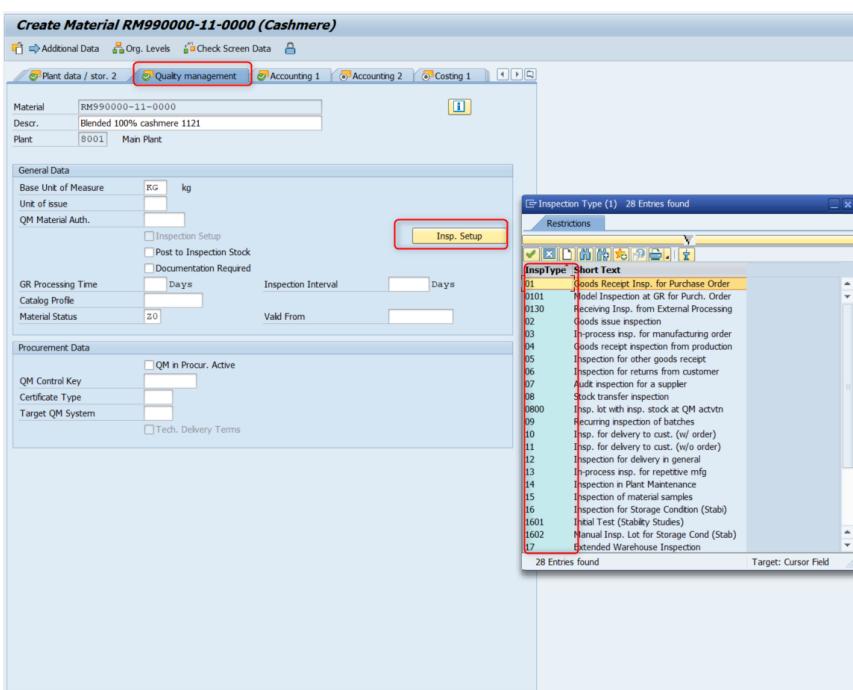
Procurement Type (1) 4 Entries found	
	In-House Production
	External Procurement
	No Procurement
	Both Procurement Types

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Special procurement: Аль үйлдвэрээс материалыг авдаг утгаа оруулна. Хэрвээ материалыг гаднаас худалдаж авдаг бол утга оруулахгүй хоосон орхино.

**Quality management:**

Decision
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Inspection setup - ийг сонгоод материалтай холбоотой чанарын хяналтын төрлийг сонгоно.

Create Material RM990000-11-0000 (Cashmere)

Additional Data Org. Levels Check Screen Data

Quality management Accounting 1 Accounting 2 Costing 1 Costing 2 Seg. V...

Material: RM990000-11-0000
Descr.: Blended 100% cashmere 1121
Plant: 8001 Main Plant

Period 001.2024 Period 012.2023

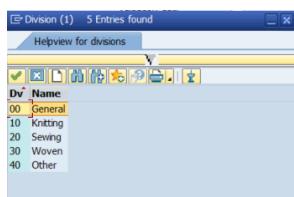
General Valuation Data

Total Stock	0	Base Unit	KG kg
Division	00	Valuation Cat.	<input type="checkbox"/> Valuated UoM
Valuation Class	3010	<input checked="" type="checkbox"/> ML Act.	Mat. Price Analysis
VC: Sale Ord. Stk		Price Determ.	3 Single-/Mutilevel
Project Stock VC			

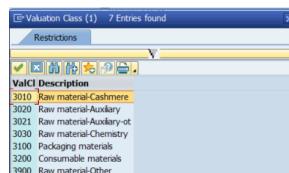
Prices and Values

Currency Type	Company Code	Currency	Group	Currency, Group valua...	Group	Currency, Pro
Ledger	01	01	01	01	01	01
Currency	Company Code	Currency	Group	Group Currency	Group	Group Currency
Valuation View	Legal		Group		PrCtr	
Currency Key	MNT		MNT	0.00	MNT	0.00
Standard Price			1	1	1	1
Price Unit	1					
Price Control	S		S		S	
Inventory Value	0.00			0.00		0.00
Future Price				0.00		0.00
Future Price From						
Previous Price	0.00					
Last Price Change						

Division: Бэлэн бүтээгдэхүүн байвал сүжих, оёмол, нэхмэлийн бүтээгдэхүүнээс сонгоно, хэрэв бэлэн бүтээгдэхүүн биш бол 00 General гэдгийг сонгоно.



Base unit: Үндсэн нэгжийг оруулна.



Valuation Class: тохирох утгыг оруулна.

Costing 1:

Create Material RM990000-11-0000 (Cashmere)

Additional Data Org. Levels Check Screen Data

Accounting 2 Costing 1 Costing 2 Seg. Valuation Data

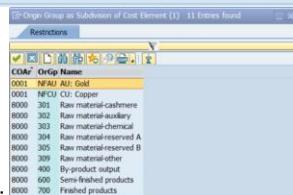
Material: RM990000-11-0000 Descr.: Blended 100% cashmere 1121 Plant: 8001 Main Plant

General Data

Base Unit of Measure: KG kg
 Do Not Cost:
 With Qty Structure:
 Material origin:
 Origin Group: 301 1
 Overhead Group:
 Plant-Specific Mater: 20 2
 Valid From: Profit Center: 800101 3

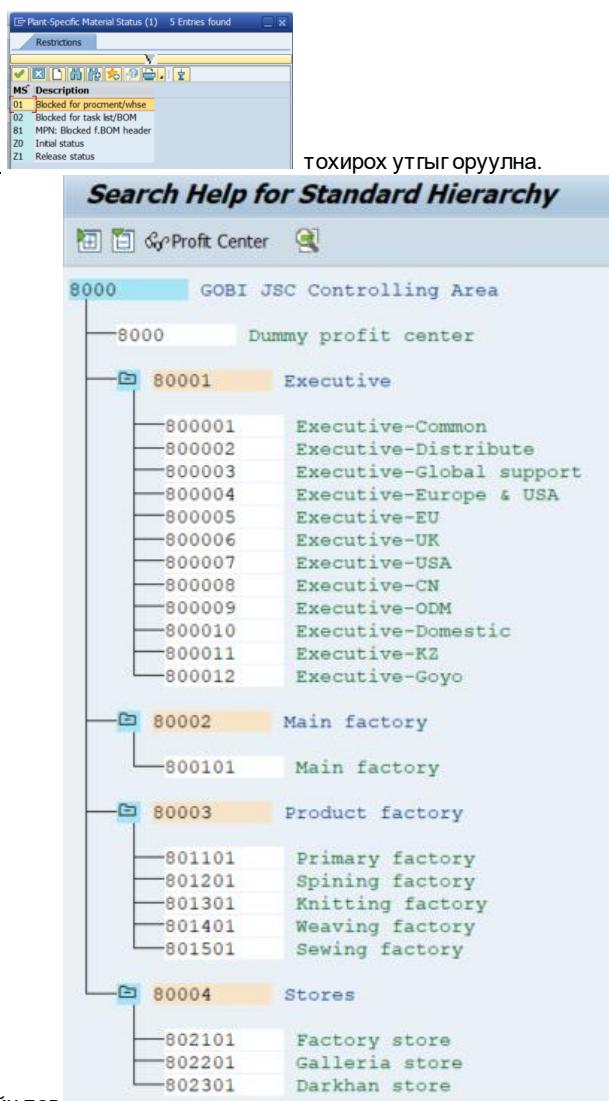
Quantity structure data

Alternative BOM:
 Group:
 Task List Type:
 SpecProcurement Costing:
 Version Indicator:
 Production Version:



1. Origin group: тохирох утгыг оруулна.

2. Plant-Specific mater: тохирох утгыг оруулна.



3. Profit Center: Ашгийн төв тохирох ашгийн төвийг сонгоно.

1.2 Update material master data

T-code: **MM02**

Материал мастер датад өөрчлөлт оруулах цонх

Change Material RM990000-11-0000 (Cashmere)

Additional Data Org. Levels Check Screen Data

Basic data 1 Basic data 2 MRP 1 MRP 2 MRP 3 MRP 4 Advanced Pla...

Material	RM990000-11-0000			
Descr.	Blended 100% cashmere 1121			
General Data				
Base Unit of Measure	KG	kg	Material Group	CB
Old material number			Ext. Matl Group	
Division	00		Lab/Office	29
Product allocation			Valid from	
X-Plant Mat.Status	<input type="checkbox"/>		GenItemCatGroup	NORM
Assign effect. vals	<input type="checkbox"/>		Standard item	
Material authorization group				
Authorization Group				
Dimensions/EANs				
Gross Weight			Unit of Weight	
Net Weight				
Volume			Volume Unit	
Size/dimensions				
EAN/UPC			EAN category	
Packaging material data				
Matl Grp Pack.Matls				
Basic Data Texts				
Languages Maintained	0		Basic Data Text	Language:

Материалын дугаарыг оруулаад холбоотой бүх талбарууд дээр өөрчлөлт оруулах боломжтой.

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1.3 Display single material data

T-code: **MM03**

Тус цонхор материалыг тус бүрчлэн харуулна.

The screenshot shows the SAP MM03 'Display Material' interface. At the top, it displays the material number RM990000-11-0000 and its description 'Blended 100% cashmere 1121'. Below this, there are several sections for material data entry:

- General data:** Includes fields for Base Unit of Measure (KG), Storage conditions, and Number of GR slips (0).
- Shelf life data:** Includes fields for Min. Rem. Shelf Life (0), Total shelf life (0), and Expiration Date (B).
- Shelf life data - Advanced Planning:** Includes fields for Maturity Time and Req.Max.Sh.Life.
- Segmentation Data:** A large empty text area.

1.4 Display material list

T-code: **MM60**

Материалыг жагсаалтаар нь харуулах цонх

Materials List

Database Selections

Material	<input type="text"/>	<input type="button" value="Q"/>	<input type="button" value="New"/>
Plant	<input type="text"/>	<input type="button" value="to"/>	<input type="button" value="New"/>

Material type	<input type="text" value="10"/>	<input type="button" value="to"/>	<input type="button" value="New"/>
Material group	<input type="text"/>	<input type="button" value="to"/>	<input type="button" value="New"/>
Created by	<input type="text"/>	<input type="button" value="to"/>	<input type="button" value="New"/>

Valuated materials only

Холбоотой цонхууд дээр тохирох утгыг оруулж Executive товчлуурыг дарсанаар материалын жагсаалт гарч ирнэ.

Materials List

Material	Plant	Val.	Type	Material Description	Last Change	MTyp	Matl	Group	BUn	PGr	ABC	Typ	ValCl	Pr.	Price	Crcy	/	Created
RM990000-11-0000	8001			Blended 100% cashmere	11/21 04.01.2024	10	CB	KG	102	PD	3010	S	0.00	MNT	1	1607		
RR000100	8001			Raw cashmere-WHITE	26.12.2023	10	OO	KG	201	PD	3010	S	0.00	MNT	1	STEF		
RR000100	8011			Raw cashmere-WHITE	26.12.2023	10	OO	KG	102	PD	3010	S	0.00	MNT	1	STEF		
RR000200	8001			Raw cashmere-beige	29.11.2023	10	OO	KG	000	PD	3010	S	200,000.00	MNT	1	STEF		
RR000200	8011			Raw cashmere-beige	29.11.2023	10	OO	KG	102	PD	3010	S	200,000.00	MNT	1	STEF		
RR000400	8001			Raw cashmere-brown	08.12.2023	10	OO	KG	201		3010	S	200,000.00	MNT	1	9464		
RR000400	8011			Raw cashmere-brown	08.12.2023	10	OO	KG	000	PD	3010	S	200,000.00	MNT	1	9464		
RR010000	8001			Raw cashmere-white	13.12.2023	10		KG	000	PD	3010	S	0.00	MNT	1	1042		
RR010000	8011			Raw cashmere-white	13.12.2023	10		KG	000	PD	3010	S	0.00	MNT	1	1042		
RR020000	8001			Raw cashmere-beige	13.12.2023	10		KG	000	PD	3010	S	0.00	MNT	1	1042		
RR020000	8011			Raw cashmere-beige	13.12.2023	10		KG	000	PD	3010	S	0.00	MNT	1	1042		
RR040000	8001			Raw cashmere-brown	06.12.2023	10		KG	000	PD	3010	S	0.00	MNT	1	1042		
RR040000	8011			Raw cashmere-brown	06.12.2023	10		KG	000	PD	3010	S	0.00	MNT	1	1042		

1.5 Display material list include self-defined field

T-code: ZMMXXX

Материалын жагсаалтыг өөрсдийн нэмсэн талбартайгаар хамтад нь харах цонх