# Learn SAP PP in 1 Day

By Krishna Rungta

Copyright 2019 - All Rights Reserved – Krishna Rungta

**ALL RIGHTS RESERVED.** No part of this publication may be reproduced or transmitted in any form whatsoever, electronic, or mechanical, including photocopying, recording, or by any informational storage or retrieval system without express written, dated and signed permission from the author.

# **Table Of Content**

Chapter 1: Introduction to SAP PP (Production Planning)

- 1. Organization Structure in SAP PP
- 2. Master Data in SAP PP
- 3. Production Planning Cycle
- 4. Demand Management
- 5. Material Requirement Planning (MRP)
- 6. Capacity Planning & Leveling
- 7. Production Orders
- 8. <u>Production Order Confirmation</u>
- 9. <u>Production Order Close</u>

#### Chapter 2: Bill of Material (BoM) in SAP PP: Create, Change, Display

- 1. How to create BOM
- 2. <u>How to Change BOM</u>
- 3. How to display BOM

#### Chapter 3: Work Center in SAP PP: Create, Change, Display

- 1. How to create Work Center
- 2. How to Change Work Center
- 3. How to display Work Center

#### Chapter 4: How to Create/Change/Display Routing in SAP PP

- 1. <u>How to Create Routing</u>
- 2. How to Change Routing
- 3. How to display Routing

#### Chapter 5: How to Create Production version in SAP PP C223

<u>Chapter 6: SAP Demand Management Tutorial: MD61, MD62, MD04,</u> <u>MD74, MD75</u>

- 1. How to Create Planned Independent Requirement (PIR)
- 2. How to Change PIR
- 3. How to display Stock/Requirement List
- 4. How to delete PIR data

#### <u>Chapter 7: SAP MRP (Material Requirement Planning)</u> <u>Tutorial: MD01,</u> <u>MD02, MD04</u>

- 1. <u>MRP Process flow</u>
- 2. <u>Master Production Schedule (MPS)</u>
- 3. MRP Planning Parameters
- 4. How to run MRP for all Products
- 5. MRP Run for single material
- 6. Master Production schedule (MPS) run
- 7. <u>MRP evaluation Stock/Requirement List</u>

#### Chapter 8: Long Term Planning (LTP) Tutorial in SAP PP: MS31, MS02, MD61

- 1. How to Create Inactive version of Independent requirement (PIR)
- 2. <u>How to Create Planning Scenario</u>

- 3. How to run Long Term Planning (LTP)
- 4. How to Check Stock/requirement list
- 5. How to check capacity situation
- 6. How to analyze Simulative Purchase info system

#### Chapter 9: SAP PP Capacity Planning: CM01, CM21

- 1. How to check capacity loads
- 2. How to do Capacity Levelling

#### Chapter 10: Goods Movement against Production Order in SAP PP: MIGO

- 1. How to Create Goods receipt (GR) against Order
- 2. <u>How to create goods issue (GI) against order</u>

#### Chapter 11: Production Order in SAP: CO01, MD16, CO02, CO15

- 1. How to Create and release Production Order
- 2. <u>How to Create Production Order by converting Planned Order</u>
- 3. <u>How to Change production Order</u>
- 4. <u>How to confirm production order</u>
- 5. How to TECO (technically complete) production order

#### Chapter 12: SAP PP Reports Tutorial: COOIS, MB52, CS15, CS12

- 1. How to display order information systems
- 2. How to display material document list
- 3. How to display Stock of multiple materials
- 4. How to display ""where-used list"" in BOM
- 5. How to display summarized multi level BOM

# Chapter 1: Introduction to SAP PP (Production Planning)

#### What is Production Planning?

- Production Planning is the process of aligning demand with manufacturing capacity to create production and procurement schedules for finished products and component materials.
- SAP PP is an important module of SAP. It tracks and makes a record of the manufacturing process flows, for example, the planned and actual costs. Also, goods movements from the conversion of raw material to semi-finished goods.
- It is fully integrated with the other SAP modules: SD, MM, QM, FICO & PM.

### **Organization Structure in SAP PP**

In any live Production Planning module, locations of manufacturing plants and storage within the plants, should be available in the system.

Importance of Plant and storage locations in Production Planning-

- All Production master data is created at Plant level. Planning
- activities are also performed at Plant level.
- Production Confirmation process and related goods movement occur at plant and storage location level.

### **Master Data in SAP PP**

Master data is generally static for any company and is very rarely changed depending on the requirement. There are **5 master data** to be maintained in Production Planning module.



#### 1. Material Master

The material master contain information on all the materials that a company procures, produces, stores, and sells. It is a number uniquely identifies a material master record, and hence a material.

Materials with the same basic attributes are grouped together and assigned to a material type such as finished, raw material, etc.

It is used for the following purposes:

- 1. To purchase materials
- 2. For Goods Movement postings such as goods issue or receipt in inventory management and also for physical inventory postings
- 3. In invoice verification for posting invoices
- 4. In sales and distribution for sales order fulfillment process
- 5. In production planning and control for material requirements planning, scheduling, and production confirmation processes.

#### 2. Bill of Material (BOM)

A bill of material is a complete, formally structured list of the components together with the quantity required to produce the product or assembly.

BOM's are used in material requirement planning and product costing. You

can also create up to 99 alternative BOMs for a single product.

For Products having variants, you can create Super BOM, which has all possible types of components used to manufacture different types of variants, and the appropriate component is selected based on characteristic chosen in the sales Order.

For example, Product Cycle can contain all types of frames (with different colors and sizes) and desired frame is selected in production order based on color and size chosen in the sales order.

#### 3. Work Center

A Work Center is a machine or group of machines where production operations are performed. Work centers are used in task list operations (Routings).

It contains the data for

- Scheduling
- Capacity
- Costing
- 4. Routing

Routing is nothing but a sequence of operation performed at the Work Center. It also specifies the machine time, labor time, etc. for the execution of operations.

It is also used for scheduling of operations and used in standard cost calculation of the product.

#### 5. Production version

The production version is a combination of BOM and Routing data for production. It is a linkage between BOM & Routing and determines the manufacturing process.

There can be multiple production versions as per different manufacturing process to produce the product.

### **Production Planning Cycle**

The Production Planning and Control consist of 2 obvious processes of Planning and Execution.

#### Planning

Production planning is generally done from budgeted sales plan. Planning is based on the Sales plan to meet the sales requirements as per the production cycle times. Demand for the Product is entered through demand management in the form of planned independent requirement (PIR). This data from demand management becomes the input to Material requirement planning (MRP).MRP checks for the availability of various raw materials used for production at different stages using the master data such as Bill of material (BOM) and available current plant stocks.

In case of material shortage, Purchase requisitions are created for materials which are externally procured, and planned orders are created for in-house produced materials.

These purchase requisitions and planned orders initiate the Procurement Cycle and the Execution Cycle of Production respectively.

As MRP works with infinite capacities, capacity leveling must be done in order to avoid any capacity bottlenecks.

#### Execution

These Planned orders are converted to Production orders, and are scheduled as per the production timings using master data such as routings.

Production Orders are released by the Production Supervisor on the shop floor, and material availability checks can also be carried out to check if there are any missing components. Production is carried out based on the activities maintained in the Routing where the master data like Work Center is mentioned against each operation in the Routing.

Once the production is completed, the Confirmations of orders are executed, and goods movement for material consumptions & goods receipt are posted against the Order. Hence, the Order gets the Delivered (DLV) status, and the material is received into desired storage location.

Usually at the month end before doing order settlement, production order needs to be set to technically completed status in order to calculate production variances by the controlling personnel.



#### PRODUCTION PLANNING PROCESS

### **Demand Management**

The function of Demand Management is to estimate requirement quantities and delivery dates for finished products and important assemblies. Demand Management uses PIR (planned independent requirements) and customer requirements.

Planning strategies must be defined for a product. It represents the methods of production for planning and manufacturing. There are two methods by which we can do this.

**Make to Stock**: Production of goods without having sales orders, i.e., stock is produced independently of orders.

**Make to Order**: This strategy applies to the production of material for a specific individual sales order or line item.

## Material Requirement Planning (MRP)

MRP determines any shortages and creates the appropriate procurement elements. It does net requirement calculation and generate planned orders for in-house produced materials and purchase requisition for raw materials.

It does lead time scheduling and calculate production dates in planned orders.

It explodes the BOM and generates procurement proposals at each BOM levels.

## **Capacity Planning & Leveling**

Capacity Planning is used to analyze the capacity overloads at work center and shift the orders to avoid any capacity bottlenecks.

Capacity requirements are generated via MRP on Work Center and since MRP works with infinite capacity and plans everything on work center without considering any capacity constraints. It is required to level the capacity at the work center.

Capacity can be leveled at each work center through planning table in order to create constraint production plan.

### **Production Orders**

The output of MRP will be "Planned Orders", which needs to be converted to production orders for further execution of the process.

The Production Order is firmed receipt element, which is not affected by MRP run, unlike Planned Orders.

- Production Order is a document which specifies what material needs to be produced and in what quantity. It also contains the BOM components and routing operation data to be performed at the work center.
- Production Order is released for execution, and material availability checks can be carried out which determines if there are any missing components.

## **Production Order Confirmation**

When goods are produced physically at the shop floor, then production order must be confirmed.

During confirmation, components materials can be consumed automatically via back flush mechanism and Goods receipt of material can be performed automatically via operation Control key in Routing.

However, instead of auto goods movement, manual Goods Issue and receipt can be performed separately from confirmation.

Any failed goods movement due to a deficit of component stock can be reprocessed manually.

Activity costs such as machine, labor, etc. will also be updated in the production order during confirmation on an actual basis.

The order gets CNF (Confirmed) and DLV (Delivered) status after final confirmation and final Goods receipt.

If confirmation is posted wrongly, then we can cancel the confirmation and post it again with correct data.

### **Production Order Close**

After the production order is delivered completely or we don't want to execute the order further then Order should be technically completed.

After Order gets TECO status, it gets deleted from stock/requirement list and is no longer considered in material requirement planning run. All dependent reservations also get deleted from the system.

Next, we will look into each phase of SAP PP and learn how to operate SAP PP module.

# Chapter 2: Bill of Material (BoM) in SAP PP: Create, Change, Display

#### What is Bill of Material (BOM) and its role?

A bill of material is a complete, formally structured list of the components that make up a product or assembly. The list comprises of the material number of each component, together with the quantity and unit of measure.

- BOM can be single level and multi-level. For example, finished material would contain semi-finished materials as components which in turn would contain raw materials as components in next level.
- There can be different alternative BOMs for a product depending upon the lot sizes, validity dates, and different production methods.
- BOM is used in production planning for semi-finished and purchase planning for raw materials.
- BOM's are also used in standard cost calculation for finished Product by rolling up the cost from raw to semi-finish and then to finished Product.
- Material BOM can be made for material in PP module and equipment BOM are used in Plant Maintenance module.

### How to create BOM

Step 1) From SAP Easy access screen open transaction CS01

- 1. Enter parent material for which BOM needs to be created.
- 2. Enter Plant Code.
- 3. Enter BOM usage = "1" which is used for Creating Production BOM
- 4. Enter the valid from the date which means that BOM would be valid from that date.

Create material BOM: Initial Screen          ga C         Material       ELBY302520UVRX-G         Plant       SM01         BOM Usage       3         Alternative BOM       01.02.2015	로 Material BOI	4 <u>E</u> dit <u>G</u> oto Extr <u>a</u> s En <u>v</u> ironment <u>S</u> ettings S <u>v</u> stem <u>H</u> elp
Create material BOM: Initial Screen	0	🔹 🖓   🕵 🕄   📇 🏭 🎼   約 約 🖓   🔜 🔊 🐨
Imaterial   Imaterial   Plant   SM01   BOM Usage   1   Aternative BOM     Validity   Change Number   Valid From   01.02.2015     4	Create m	aterial BOM: Initial Screen
Material ELBY302520UVRX-G 2 Plant 5M01 2 BOM Usage 1 3 Alternative BOM Validity Change Number Valid From 01.02.2015 4	6 D	
Material E1BY302520UVRX-G 1 Plant SM01 BOM Usage 1 Alternative BOM Validity Change Number Valid From 01.02.2015 4	17 V.174	
Material ELBY302520UVRX-G 1 Plant SM01 BOM Usage 1 3 Alternative BOM Validity Change Number Valid From 01.02.2015 4		
Plant 5M01 2 BOM Usage 1 3 Alternative BOM Change Number Valid From 01.02.2015 4	Material	E1BY302520UVRX-G 0 (1)
BOM Usage 1 Alternative BOM Validity Change Number Valid From 01.02.2015 4	Plant	5M01 2
Alternative BOM	BOM Usage	1
Validity Change Number Valid From 01.02.2015 4	Alternative BOM	
Validity Change Number Valid From 01.02.2015 4	1	
Change Number Valid From 01.02.2015	Validity	
Valid From 01.02.2015	Change Numb	ar
	Valid From	01.02.2015 4

After filling in all the fields, click 🔮 or press Enter to go to the next screen.

Step 2) In Next Screen

- 1. Enter Item Category as "L" which is used for stock item and could be default also.
- 2. Enter Component material code in Component Field.
- 3. Enter Component quantity as shown below.
- Some information such as description and a basic unit measure of the component will be brought out by the system automatically after clicking O or pressing enter from the keyboard.

Mater	ial BC	M Edit Goto	Extr <u>a</u> s En <u>v</u> ironment <u>S</u>	ettings S	ystem He	ip.
7		- 4	🔲   😋 🚱 🚱   🗎 🕅	1 KB   8D 1	13 CA CA	¥
	te n	material BOM: (	Seneral Item Over	<b>view</b> Header	ফি Validity	8
erial		E1BY302520UVR	X-G GREENTYRE ULTRA	AC VORTI R		
nt		5M01 AVBV Ens	chede Mfa.			
Mate	erial	Document Gen	eral			0
Mate	erial	Document Gen	eral	3		4
Mate	ICt	Document Gen	component description	3 Quantity		-4 Un
Mate Item 0010	erial ICt L	Document Gen 2 Component E1PA90ZH400-546	Component description PRE-ASS. ZIJKANT-90Z .	Quantity 1.535		Un M
Mate Item 0010 0020	ICt L	Document 2 Component E1PA902H400-546 E1ME04-88-0500	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE	3 Quantity 1.535 1.547		Un M
Mate 0010 0020 0030	ICt L L	Document 2 Component E1PA902H400-546 E1ME04-88-0500 E1ME04-88-0440	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE PLY RO/GE	Quantity 1.535 1.547 1.557		Un M M
Mate 0010 0020 0030 0040	ICt L L	Document 2 Component E1PA90ZH400-546 E1ME04-88-0500 E1ME04-88-0440 E116230S76S	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV	Quantity 1.535 1.547 1.557 2		Un M M EA
Mate 0010 0020 0030 0040 0050	ICt L L L	Document 2 Component E1PA902H400-546 E1ME04-88-0500 E1ME04-88-0440 E1162305765 E1KE30-30-285GUMY	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV GORDELMATERIAAL GR	3 Quantity 1.535 1.547 1.557 2 1.944		Un M M EA M
Mate 0010 0020 0030 0040 0050 0060	ICt L L L L L	Document 2 Component E1PA90ZH400-546 E1ME04-88-0500 E1ME04-88-0440 E116230S76S E1KE30-30-285GUMY E1KE30-30-275	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV GORDELMATERIAAL GR GORDELMATERIAAL GRO.	Quantity 1.535 1.547 1.557 2 1.944 1.951		Un M M EA M M
Mate 0010 0020 0030 0040 0050 0060 0070	ICt L L L L L L	Document 2 Component E1PA90ZH400-546 E1ME04-88-0500 E1ME04-88-0440 E116230S76S E1KE30-30-285GUMY E1KE30-30-275 E1DE04-00-0012	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV GORDELMATERIAAL GR GORDELMATERIAAL GRO CAPSTRIP 12 mm	Quantity 1.535 1.547 1.557 2 1.944 1.951 91.920		Un M EA M M

**Useful Notes:** 

To drill further down through the BOM for one of these components, double click on the Swithin the **A**ssembly column. If the box is not ticked, then the component has no further BOM.

Step 3) In this screen,

 Click on this icon José to see the BOM header, the system will then show the BOM header screen in the next step:

		CARDO AND DOUGH AND DOUGH AND DOUGH	The second secon	ettings Sy	zstern <u>H</u> elp	
3		- 0	📙 I 📀 🚱 🚱 I 🖴 M	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 🚯 🕄	8
Creat	te n	material BOM: G	General Item Over	view		
BB	12	🕒 🧟 Subitems 👘	New Entries 🛱   😹	Header	Validity	
aterial		E1BY302520UVRJ	K-G GREENTYRE ULTRA	C VORTI R		
ant		5M01 AVBV Ensc	hede Mfg.			
ternativ	e RO	M 2				
And the owner of the owner own	010111					
Mate	erial	Document Gen	eral	1		1
Mate	erial ICt	Component Gen	component description	Quantity	Ur	1 A
Mate Item 0010	ICt L	Document Gen Component E1PA902H400-546	Component description PRE-ASS. ZIJKANT-90Z	Quantity	U	n A
Mate Item 0010 0020	ICt L	Component E1PA902H400-546 E1ME04-88-0500	Component description PRE-ASS. ZIJKANT-90Z _ PLY RO/GE	Quantity 1.535 1.547	UI M M	n A
Mate Item 0010 0020 0030	ICt L L	Document         Gen           Component         E1PA902H400-546           E1ME04-88-0500         E1ME04-88-0440	Component description PRE-ASS. ZIJKANT-90Z PLY RO/GE PLY RO/GE	Quantity 1.535 1.547 1.557	UI M M	n A
Mate Item 0010 0020 0030 0030	ICt L L L L	Document         Gen           Component         E1PA902H400-546           E1ME04-88-0500         E1ME04-88-0440           E1ME04-88-0440         E116230S76S	Component description PRE-ASS. ZIJKANT-90Z PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV	Quantity 1.535 1.547 1.557 2	UI M M EA	1 A
Mate Item 0010 0020 0030 0040 0050	ICt L L L L	Document         Gen           Component         E1PA902H400-546           E1ME04-88-0500         E1ME04-88-0440           E1ME04-88-0440         E116230S76S           E1KE30-30-285GUMY         E1KE30-30-285GUMY	Component description PRE-ASS. ZIJKANT-90Z PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV GORDELMATERIAAL GR	Quantity 1.535 1.547 1.557 2 1.944	UI M M EA M	1 A 7 7 7
Mate Item 0010 0020 0030 0040 0050 0060	ICt L L L L L L	Document         Gen           Component         E1PA90ZH400-546           E1PA90ZH400-546         E1ME04-88-0500           E1ME04-88-0500         E1ME04-88-0440           E116230S76S         E1KE30-30-285GUMY           E1KE30-30-285GUMY         E1KE30-30-275	Component description PRE-ASS. ZIJKANT-90Z PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV GORDELMATERIAAL GR GORDELMATERIAAL GRO.	Quantity 1.535 1.547 1.557 2 1.944 1.951	UI M M EA M	1 A
Mate Item 0010 0020 0030 0040 0050 0060 0070	ICt L L L L L L L	Document         Gene           Component         E1PA902H400-546           E1ME04-88-0500         E1ME04-88-0440           E1ME04-88-0440         E116230S76S           E1KE30-30-285GUMY         E1KE30-30-275           E1DE04-00-0012         E1DE04-00-0012	Component description PRE-ASS. ZIJKANT-90Z PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV GORDELMATERIAAL GR GORDELMATERIAAL GRO. CAPSTRIP 12 mm	Quantity 1.535 1.547 1.557 2 1.944 1.951 91.920	Ur M M EA M M M	1 A

Step 4) In the BOM header view,

 Fill the base quantity of parent material. If this is 1 EA (each), then the component quantity will describe how much is needed to produce 1 item. Click to save the new BOM after check, the system will show
 message Creating BOM for material at the lower left corner.

~	
<u>الا</u>	
Create man	terial BOM: Header Overview
Litem 🛛	Alternative Long Text 🛛 🖉 BOM Long Tex
Material	E1BY302520UVRX-G GREENTYRE ULT
Plant	5M01 AVBV Enschede Mfg.
BOM	INTERNAL
Alternative BOM	2
BOM Usage	1 Production
Technical type	M Multiple BOM
BOM group	
Quants/long	txt Addnl Data Customer fields
BOM and alterna	acive Lexic
BOM and alterna	acive cexc
BOM and alterna BOM text Alt Text	ative text
BOM and alterna BOM text Alt Text	ative text
BOM and alterna BOM text Alt Text Quantity data	10
BOM and alterna BOM text Alt Text Quantity data Base quantity	

Now, in next step we are going to see, how to change BOM?

### How to Change BOM

We would change the BOM if there is any change in the list of components or any component quantity which is used to manufacture the final product.

Step 1) From SAP Easy access screen open transaction CS02.

- 1. Enter parent material for which BOM needs to be changed.
- 2. Enter Plant Code.
- 3. Enter BOM usage = "1" which is used for changing Production BOM.
- 4. Enter the valid from date which means that BOM would be valid from that date.

Change m	aterial BOM: Initial Screen
🔒 🧟 Item	4
Material	E1BY302520UVRX-G
Material Plant	E1BY302520UVRX-G     1       5M01     AVBV Enschede Mfg.
Material Plant BOM Usage	E1BY302520UVRX-G       1         5M01       AVBV Enschede Mfg.         1       Production
Material Plant BOM Usage Alternative BOM	E1BY302520UVRX-G       1         5M01       AVBV Enschede Mfg.         1       Production
Material Plant BOM Usage Alternative BOM	E1BY302520UVRX-G 5M01 AVBV Enschede Mfg. 1 Production

**Step 2)** After filling in all the fields, click **v** to go to the next screen.

- 1. Change the component code or quantity.
- After finishing all modifications, click
   will show a message like
   BOM for material changed at the lower left corner.

0		14		LALE I STO O	I and an
•		• 4		( 📖   43 4	10,00,80   🕅
Chan	ge	material BOM:	General Item Ove	erview	
	12	🕒 🧟 Subitems	New Entries 📋 😼	Header	Validity
Material		E1BY302520UV	X-G GREENTYRE ULTRA	AC VORTI R	
Plant		5M01 AVBV Ens	chede Mfg.		
		to the second se			
		1000 100 100 100 100 100 100 100 100 10			
		Anna ann an Ann			
Mate	erial	Document Ger	neral		_
Mate	erial	Document Ger	neral		2
Mate	ICt	Document Ger 1 Component	Component description	Quantity	2 Ur
Mate Item 0010	ICt	Document Ger 1 Component E1PA90ZH400-546	Component description PRE-ASS. ZIJKANT-90Z .	Quantity 1.535	2) UI M
Mate Item 0010 0020	ICt L	Document Ger Component E1PA90ZH400-546 E1ME04-88-0500	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE	Quantity 1.535 1.547	2 UI M M
Mate Item 0010 0020 0030	ICt L L	Document Ger Component E1PA90ZH400-546 E1ME04-88-0500 E1ME04-88-0440	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE PLY RO/GE	Quantity 1.535 1.547 1.557	2) UI M M
Mate Item 0010 0020 0030 0040	ICt L L	Document Ger Component E1PA90ZH400-546 E1ME04-88-0500 E1ME04-88-0440 E116230S765	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV	Quantity 1.535 1.547 1.557 2	2 UI M M EA
Mate Item 0010 0020 0030 0040 0050	ICt L L L L	Document Ger Component E1PA90ZH400-546 E1ME04-88-0500 E1ME04-88-0440 E116230S76S E1KE30-30-285GUMY	Component description PRE-ASS. ZIJKANT-90Z PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV GORDELMATERIAAL GR	Quantity 1.535 1.547 1.557 2 1.944	2) Ur M M EA M
Mate Item 0010 0020 0030 0040 0050 0060	ICt L L L L L L	Document Ger Component E1PA90ZH400-546 E1ME04-88-0500 E1ME04-88-0440 E116230S76S E1KE30-30-285GUMY E1KE30-30-275	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV GORDELMATERIAAL GR GORDELMATERIAAL GR 0.	Quantity 1.535 1.547 1.557 2 1.944 1.951	2 UI M M E4 M M
Mate Item 0010 0020 0030 0040 0050 0060 0070	ICt L L L L L L L	Document Ger 1 Component E1PA90ZH400-546 E1ME04-88-0500 E1ME04-88-0440 E116230S76S E1KE30-30-285GUMY E1KE30-30-275 E1DE04-00-0012	Component description PRE-ASS. ZIJKANT-90Z . PLY RO/GE PLY RO/GE 20" HIEL L=7 DR=6 HV GORDELMATERIAAL GR GORDELMATERIAAL GR	Quantity 1.535 1.547 1.557 2 1.944 1.951 91.920	2) Ur M M EA M M M

### How to display BOM

Step 1) From SAP Easy access screen open transaction CS03

- 1. Enter parent material for which BOM needs to be displayed.
- 2. Enter Plant Code.
- 3. Enter BOM usage = "1" which is used for changing Production BOM.
- 4. Enter the valid from date which means that BOM would be valid from that date.

Material EIBY302520UVRX-G 1 Plant 5M01 AVBV Enschede Mfg. 2	🔓 🧟 Item 🖉	6				
Material E1BY302520UVRX-G 1 Plant 5M01 AVBV Enschede Mfg. 2						
Material E1BY3025200VRX-G C						
Plant 5M01 AVBV Enschede Mfg.	Material	E1B	Y302520UV	ex-g	Ъ	0
	Plant	5M01	AVBV Ens	chede	Mfg.	2
BOM Usage 1 Production	BOM Usage	1	Production			3
Alternative BOM	Alternative BOM					-

Click 🔮 to go to the next screen.

**Step 2)** In this screen, a list of components along with quantity would be displayed.

1. Click <sup>III</sup> icon to see the BOM header.

Lince	rial BC	DM <u>E</u> dit <u>(</u>	Goto Ext	r <u>a</u> s En <u>v</u> ironment	Settings S	System <u>H</u> elp	
0			- 4 🗉	I 😋 🙆 🚱 I 📮	M M I 83	🔁 🗘 🕄 🔣	2
Disp	lay	material l	BOM: G	eneral Item O	verview		
	12	🕒 🧟 Subit	tems   N	lewEntries 📋   §	😤 🚹 Header	Validity	
Material	(	E1BY302	2520UVRX-0		TRAC VORTI R		
Plant		5M01 A	VBV Ensche	de Mfg.			
Alternati	/e BO	M 1					
Mat	erial	Document	Genera	omponent descriptio	n Quantity	lin	Δ
Mat Iten	erial	Document Component	Genera	omponent descriptio	n Quantity	Un	A
Mat Iten 0010	n ICt	Document Component E1PA902H400	Genera 0-546 P	omponent descriptio RE-ASS, ZIJKANT-90	n Quantity )Z 1.535	Un M	A
Mat Iten 0010 0020	erial ICt L	Document Component E1PA90ZH400 E1ME04-88-0	Genera C 0-546 P 0500 P	i component descriptio RE-ASS. ZIJKANT-90 LY RO/GE	n Quantity 1.535 1.547	Un M M	A
Mat Iten 0010 0020 0030	erial ICt I L I L	Document Component E1PA90ZH400 E1ME04-88-0 E1ME04-88-0	Genera C 0-546 P 0500 P 0440 P	omponent descriptio RE-ASS. ZIJKANT-90 LY RO/GE LY RO/GE	n Quantity )Z 1.535 1.547 1.557	Un M M	A
Mat 0010 0020 0030 0040	n ICt L L L L	Document Component E1PA90ZH400 E1ME04-88-0 E1ME04-88-0 E116230S76S	Genera C 0-546 P 0500 P 0440 P 1 2	omponent descriptio RE-ASS. ZIJKANT-90 LY RO/GE LY RO/GE 0" HIEL L=7 DR=6 H	n Quantity )Z 1.535 1.547 1.557 IV 2	Un M M EA	A

In next step, you will see BOM header.

**Step 3)** In this step, BOM header would be displayed.

1. Display base quantity of product.

Display m	aterial BOM: Header Overview
🔂 🗟 🔔 Ite	em 🛛 🖉 Alternative Long Text 🛛 🖉 BOM Lor
Material	E1777 D Tread Summer W
Plant	5M01 AVBV Enschede Mfg.
вом	00119080
Alternative BOM	1
BOM Usage	1 Production
Technical type	M Multiple BOM
BOM group	
Quants/long BOM and altern	txt Addnl Data Customer fields Add
Quants/long BOM and altern BOM text	txt Addnl Data Customer fields Ad
Quants/long BOM and altern BOM text Alt Text	ative text
Quants/long BOM and altern BOM text Alt Text Quantity data	txt Addnl Data Customer fields Add ative text

#### Troubleshooting

- There might be the case wherein component material does not exist. For this, you need to create the material master for the component material before creating BOM.
- Some users try to create the BOM again for the same Product, system gives warning message regarding "Alternative BOM2 is being created" and they tend to ignore the warning message and move forward and hence end up in creating similar alternative BOM 2 for same product. This unnecessary creates duplicate data.

Buy Now \$9.99