

Make to Order subcontracting to make order in SAP

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Introduction

Traditional production systems produce products and stock those as inventory until they are sold (make to stock). In order to reduce inventory and increase the level of customization, some firms have designed their production systems to produce a product only after it is ordered. Such systems are referred to as make-to-order. Make-to-order systems are not appropriate for all types of products, and the make-to-order versus make-to-stock decision must be weighted carefully.

Make-to-Order

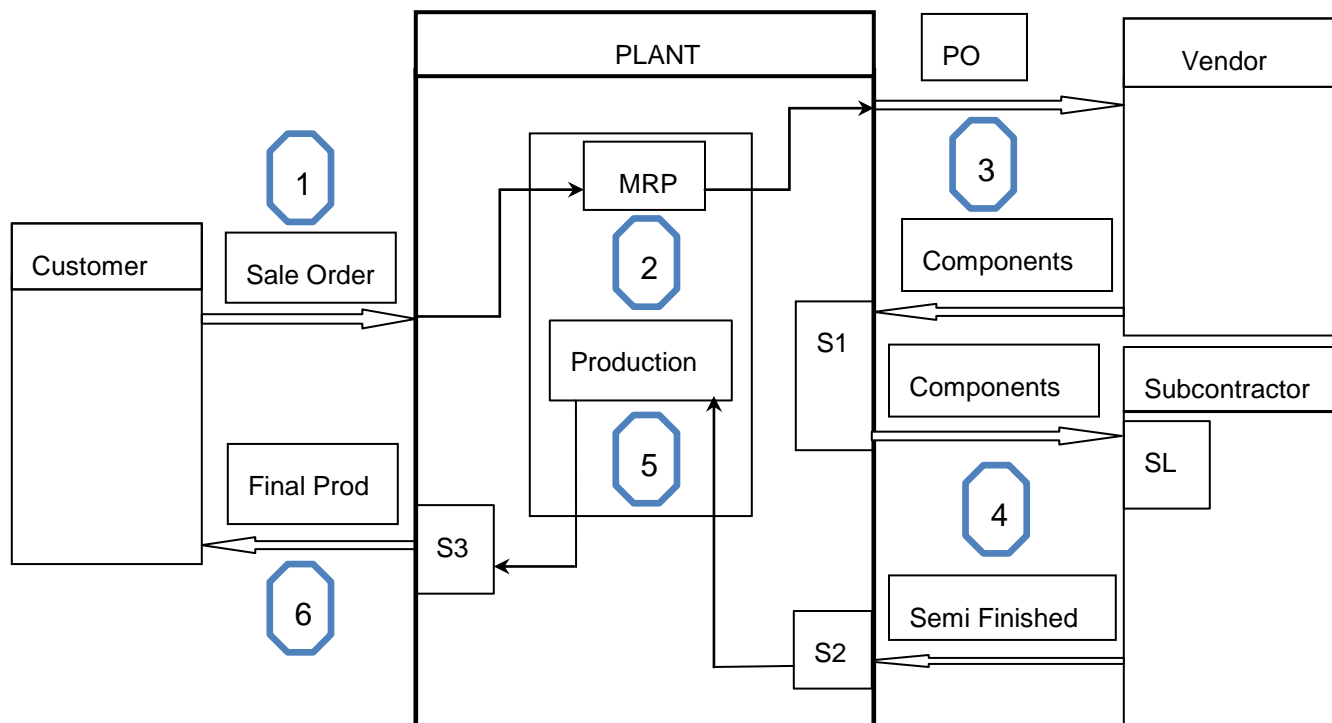
Make-to-order production is a process in which a product is individually manufactured for a particular customer. Stock keeping is not usually carried out for products that are made to order. The primary benefits of this process are the ability to track the progress for the sales order and the flexibility to offer to the customer the products to meet their specific requirements. The benefit also lies in tracking the costs incurred in the servicing of the sales order in the manufacturing of the goods and the ability of arrive at a profitability of the sales order.

This Business Scenario Map shows how enterprises work together to complete a make to order scenario. The planning and manufacturing process is initiated after receiving the sales orders from the customer.. There is a constant link between the sales order and the production order. This leads to the tracking of the progress on the customer order. The material stock is seen as customer stock.

Make-to-Stock

In make-to-stock production scenario stock is produced independently of orders because you want to provide your customers immediately with goods from that stock later on. You might even want to produce goods without having sales orders, if you expect that there might be customer demand in the future. This means that make-to-stock strategies can support a very close customer-vendor relationship because your objective here is to provide your customers with goods from your stock as quickly as possible.

MTO Business Scenario - Diagrammatical Representation



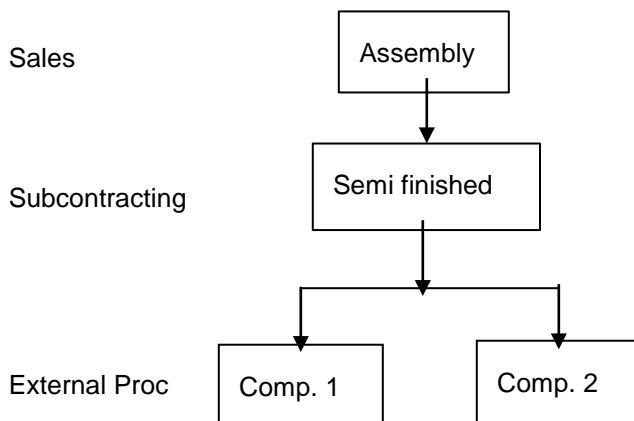
S1, S2 & S3: Storage location for Raw material, Semi finished material & final products respectively

SL: Storage Location for Subcontracting Vendor

Major Steps

- 1 - Sales activity: Sales order is created with reference to customer order (customer PO)
- 2 - Planning activity: Planned orders are generated as output of Material Requirement Planning (MRP)
With reference to Sales order
- 3 - Ext. procurement: Required components procured externally using purchase order (PO)
- 4 - Subcontracting: Procured components send to the subcontracting vendor & received semi finished product
- 5 - Production: Semi finished product processed internally and gives output as final product/Assembly
- 6 - Delivery activity: Delivers final product/Assembly to the customer against Sale order.

Bill of Materials



- Components (comp.1 & comp. 2) procured externally.
- Semi finished material received from subcontracting vendor by providing components
- Assembly will be available for sales after processing semi finished material internally in production department.

Steps in SAP

Create materials with required views - MM01

Maintain CIN master data - J1ID

Create Bill of Materials (BOM) - CS01

Create Routing to Finished material - CA01

Create sale order - VA01

Run MRP - MD50

View the planned orders created - MD04

Convert component planned order to PR (PR will show a/c assgn cat as M) – MD04

Convert semi finished planned order to PR (PR will show a/c assgt cat “M” & item cat. “L”) – MD04

Convert component PR into PO for external procurement - ME21N

Goods receipt with reference to sale order - MIGO

View the stock (sale order stock) - MMBE

Create subcontract PO with reference to semi finished PR - ME21N

Maintain storage location to the subcontractor - SPRO

Transfer goods to Subcontractor (movement type 311 +E) - MB1B / MIGO

Stock will be updated Subcontract storage location under Sale order stock - MMBE

Create challan - J1IFQ

Receive goods from Subcontractor with movt type 101 (543 will be taken to the component & subcontractor storage location to be entered) - MIGO

Reconciliation of challan – J1IFQ

Complete challan – J1IF13

Convert finished material planned order to production order - MD04

Goods issue to the production with movement type 261 - MB1A / MIGO

Confirmation of Production order - CO15

Goods receipt against Production order with movement type 101 - MB31/MIGO

Order settlement for Production order - KO88

Delivery of Finished products - VL01N

Create Materials

Required views & important fields mentioned for each view

VALVE100 - Finished material, material type ZHAW (for sale order)

Views: Basic data1(div & mat gr), Sales, MRP1, MRP2 (proc type E), MRP3 (Strategy group 20), MRP4 (individual/collec _), Work scheduling, General Plant data/storage, Accounting , Costing

Key Point: Maintain Strategy Group as “20” in MRP3 view

Note: No purchasing view available for material type FERT/ZHAW

The screenshot shows the SAP MRP3 view for material VALVE100. The top navigation bar includes 'Additional data' and 'Organizational levels'. The main view is titled 'MRP 3' and displays the material name 'VALVE ASSEMBLY' and plant 'P100'. Below this, the 'Forecast requirements' section contains fields for 'Period indicator' (M), 'Fiscal Year Variant', and 'Splitting indicator'. The 'Planning' section shows 'Strategy group' set to 20, 'Make-to-order production' as a checkbox, 'Consumption mode' as a checkbox, and 'Bwd consumption per.' set to 0.

VALVESEMI100 - Semi finished material, material type HALB (for subcontracting)

Views: Basic data1 (mat gr), Purchasing, MRP1, MRP2 (Sp. procurement as 30 & proc type X) MRP3 (consumption mode 2, availability check 02), MRP4 (individual/collec. _), Work scheduling, Plant data/storage, Accounting, Costing & No sales views

Key Point: Maintain Special procurement as “30” in MRP2 view

The screenshot shows the SAP MRP2 view for material VALVESEMI100. The top navigation bar includes 'Additional data' and 'Organizational levels'. The main view is titled 'MRP 2' and displays the material name 'VALVE SEMIASSEMBLY' and plant 'P100'. Below this, the 'Procurement' section contains fields for 'Procurement type' (X), 'Special procurement' (30), 'Quota arr. usage' as a checkbox, 'Batch entry' as a checkbox, 'Prod. stor. location', and 'Default supply area'.

VALVECOMP - Raw material/component (material type ROH)

Views: Basic dta1 (material group), Purchasing, MRP1, MRP2 (proc type F) MRP3 (consumption mode 2, availability check 02), MRP4 (individual/colle _), Plant data/stor, Accounting, Costing & No sales views

The screenshot shows the SAP MRP4 view for material VALVECOMP. The top navigation bar includes 'Additional data' and 'Organizational levels'. The main view is divided into tabs: MRP 3, MRP 4 (selected), Plant data / stor. 1, Plant data / stor. 2, and Accounting 1. The material details section shows: Material: VALVECOMP, VALVE COMPONENT; Plant: P100, Plant P100; Stor. loc.: FC11, Rawmatl. Below this, the 'BOM explosion/dependent requirements' section contains: Selection method (empty), Individual/coll.: 2, Component scrap (%): 0.00, and Requirements group (empty).

VALVECOMP1 - Raw material/component (material type ROH)

Views: Basic dta1 (mat gr), Purchasing, MRP1, MRP2 (proc type F) MRP3 (consumption mode 2, availability check 02), MRP4 (individual/colle _), Plant data/stor, Accounting, Costing & No sales views

The screenshot shows the SAP MRP4 view for material VALVECOMP1. The top navigation bar includes 'Additional data' and 'Organizational levels'. The main view is divided into tabs: MRP 3, MRP 4 (selected), Plant data / stor. 1, Plant data / stor. 2, and Accounting 1. The material details section shows: Material: VALVECOMP1, VALVE COMPONENT1; Plant: P100, Plant P100; Stor. loc.: FC11, Rawmatl. Below this, the 'BOM explosion/dependent requirements' section contains: Selection method (empty), Individual/coll.: 2, Component scrap (%): 0.00, and Requirements group (empty).

CIN Master data

Use transaction code: J1ID

Maintain material chapter ID combination to the component & semi finished material.

Select Subcontract check box to the components

Maintain assessable value to the components

Components: - VALVECOMP & VALVECOMP1

The screenshot shows the SAP CIN Master data table. The table has columns: Material, Plant, Chap.ID, Subcontr's, Mat type, and a column with icons. The data rows are:

Material	Plant	Chap.ID	Subcontr's	Mat type
VALVECOMP	P100	84818030	<input checked="" type="checkbox"/>	Raw materials
VALVECOMP1	P100	84818030	<input checked="" type="checkbox"/>	Raw materials

Semi finished material: - VALVESEMI100

Combination of Material Number and Chapter ID					
Material	Plant	Chap.ID	Subcontr's	Mat type	
VALVESCHECK121SV61	P100	84818030.	<input type="checkbox"/>	Raw materials	
VALVESEMI100	P100	84818030	<input type="checkbox"/>	Raw materials	

Finished material: - VALVE100

Combination of Material Number and Chapter ID					
Material	Plant	Chap.ID	Subcontr's	D	Mat type
VALVE100	P100	84818030	<input type="checkbox"/>	1	Raw materials
VALVE1212121212121	100	84818030.	<input type="checkbox"/>	1	Raw materials

Components: VALVECOMP & VALVECOMP1

Assessable value table for excise calculation						
Plant	Material	Valid from	Curr. Key	NDP	Ass. value	
P100	VALVECOMP	01.01.2009	INR		150.00	
P100	VALVECOMP1	01.01.2009	INR		150.00	

Create Bill of Material (BOM)

Use transaction code CS01

BOM1: VALVE100 – VALVESEMI100,

BOM2: VALVESEMI100 – VALVECOMP, VALVECOMP1

Key Point: Maintain item category as “L”

<div> </div> <div> <div>Sub-items</div> <div>New entries</div> <div>Header</div> <div>Effectivity</div> </div>									
Material:		VALVE100 VALVE ASSEMBLY							
Plant		P100 Plant P100							
Alternative BOM		1							
<div> <div>Material</div> <div>Document</div> <div>General</div> </div>									
Item	ICt	Component	Component description	Quantity	Un	As	Sl	Valid From	
0010	L	VALVESEMI100	VALVE SEMIASSEMBLY	1	EA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13.04.2009	

Sub-items New entries Header Effectivity

Material: VALVESEMI100 VALVE SEMIASSEMBLY
 Plant: P100 Plant P100
 Alternative BOM: 1

Material Document General

Item	ICt	Component	Component description	Quantity	Un	As...	Slts	Valid From
0010	L	VALVECOMP	VALVE COMPONENT1	2	EA	<input type="checkbox"/>	<input type="checkbox"/>	13.04.20
0020	L	VALVECOMP1	VALVE COMPONENT1	3	EA	<input type="checkbox"/>	<input type="checkbox"/>	13.04.20

Create Routing to Finished material

Use transaction code CA01

Work center CompAlloc Sequences PRT Inspection Characteri

Material: VALVE100 VALVE ASSEMBLY Grp.Count1
 Sequence: 0

Operation Overv.

Op...	SOp	Work ce...	Plnt	Co...	Standard...	Description	Lo...	P...	Cl...	O...
0010		PAINT	P100	PP01			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Create Sale Order

Use transaction code VA01

Valves FCPC Order	6000719	Net value	21,648.00	INR			
Sold-to party	OU350						
Ship-to party	RU095						
PO Number	P1	PO date	13.04.2009				
Sales Item overview Item detail Ordering party Procurement Shipping Reason for rejection							
Req. deliv.date	D	15.04.2009	Deliver.Plant				
<input type="checkbox"/> Complete div.			Total Weight	0 KG			
Delivery block			Volume	0.000			
Billing block			Pricing date	02.04.2009			
Payment terms	Y001	Immediate	Incoterms	FOR CHENNAI			
Order reason	1 Ability to arrange finance						
Sales area	45	/ DI / 02	BU DIRECT, Direct Customer, Valve Cross Division				
All items							
Item	Material	Order quantity	SU	Description	Pint	ItCa	ATP quantity
10	VALVE100	10	EA	VALVE ASSEMBLY	P100	TAN	

Run MRP for Sale Order

Use transaction code MD50

Sales Order	6000709	
Sales Ord. Item	10	
Material data		
Material		
Plant		
MRP control parameters		
Create purchase req.	3	Purchase requisitions in opening period
Delivery schedules	1	Schedule lines
Planning mode	3	Adapt planning data (normal mode)
Scheduling	1	Basic dates will be determined for plann
Process control parameters		
<input type="checkbox"/> Also plan unchanged components		
<input type="checkbox"/> Display results before they are saved		
<input checked="" type="checkbox"/> Display material list		

Make-To-Order Planning - Multi-Level

 Materials  Order report

Statistics

Materials planned	4
Materials with new exceptions	4
Materials with terminated MRP list	

Parameters


Plnt	P100
Processing Key	NETCH
Create Purchase Requisition	3
Sched. Agreement Schedule Line	1
Create MRP List	3
Planning Mode	3
Scheduling	1

Database statistics

Planned orders created	4
Planned orders deleted	3
Dependent requirements created	3
Dependent requirements deleted	3

View the Planned Orders Created

Use transaction code MD04

Individual access		Collective access
Material	VALVE100	Finished Product
MRP Area		
Plant	P100	
<input type="checkbox"/> With filter		

Note:

Total number of planned orders created = 4

Planned order 1 for VALVECOMP (component)

Planned order 2 for VALVECOMP1 (component)

Planned order 3 for VALVESEMI100 (semifinished/subcontracting material)

Planned order 4 for VALVE100 (assembly/final product)

Stock/Requirements List as of 10:40 Hrs									
Hide Overview Tree									
<div> <div> <div>Find order</div> <div>0000011689</div> <div>VALVE100</div> <div>VALVESEMI100</div> <div>VALVECOMP</div> <div>VALVECOMP1</div> </div> <div> <div>Material</div> <div>VALVE100</div> <div>Plant</div> <div>P100</div> <div>MRP type</div> <div>PD</div> <div>Material type</div> <div>ZHAW</div> <div>Unit</div> <div>EA</div> </div> </div>									
A	Date	MRP e	MRP element data	Rescheduli	E	Rec./reqd.qty	Av		
17.04.2009	Stock								
17.04.2009	CustSt		0006000719/000010						
18.08.2009	PldOrd		0000011689/S0					10	
18.08.2009	CusOrd		0006000719/000010/000					10-	

Convert "Component" Planned Order to PR

Use transaction code MD04 (Created PR contains a/c assignment category as M)

Document overview on									
NB Purchase requisition 10117902									
Header									
St...	Item	A	I	Material	Short text	Quantity	Unit	C	Delivery date
	10	M		VALVECOMP	VALVE COMPONENT1	20	EA	D	08.08.2009
CP2-mate									
Item [10] VALVECOMP, VALVE COMPONENT1									
<div> <div>Material data</div> <div>Quantities/dates</div> <div>Valuation</div> <div>Account assignment</div> <div>Source of supply</div> <div>Status</div> </div>									
<div> <div>AccAssCat</div> <div>M Ind. cust. w/o</div> <div>Distribution</div> <div>Single account assignme</div> <div>CoCode</div> <div>PP01</div> </div>									
<div> <div>Partial Inv.</div> <div>Derive from Account Assi</div> </div>									
S	S	Quantity	Perce	G/L acct	SD Doc.	Item	Unloading Point	Recipient	D
1		20.000	0.0	5753	6000719	10			

Document overview on Personal setting

NB Purchase requisition 10117901

Header

Defa

St...	Item	A	I	Material	Short text	Quantity	Unit	C	Delivery date	Matl group
	10	M		VALVECOM...	VALVE COMPONENT1	30	EA	D	08.08.2009	CP2-mate

Item [10] VALVECOMP1, VALVE COMPONENT1

Material data Quantities/dates Valuation Account assignment Source of supply Stat

AccAssCat M Ind. cust. w/o Distribution Single account assignme CoCode PP01

Partial Inv. Derive from Account Assi

S	S	Quantity	Perce	G/L acct	SD Doc.	Item	Unloading Point	Recipient	D
	1	30.000	0.0	5753	6000719	10			<input type="checkbox"/>

Convert Semi Finished Planned Order to PR

Use transaction code MD04 (Created PR contains a/c assignment cat as M & item cat as L)

Document overview on Personal setting

NB Purchase requisition 10117900

Header

Defa

St...	Item	A	I	Material	Short text	Quantity	Unit	C	Delivery date	Matl group
	10	M	L	VALVESEMI...	VALVE SEMIASSEMBLY	10	EA	D	17.08.2009	CP2-mate

Item [10] VALVESEMI100, VALVE SEMIASSEMBLY

Material data Quantities/dates Valuation Account assignment Source of supply Stat

AccAssCat M Ind. cust. w/o Distribution Single account assignme CoCode PP01

Partial Inv. Derive from Account Assi

S	S	Quantity	Perce	G/L acct	SD Doc.	Item	Unloading Point	Recipient	D
	1	10.000	0.0	5752	6000719	10			<input type="checkbox"/>

Convert “Component” PR into PO

Use transaction code ME21N for external procurement.

PO for material VALVECOMP

Create Purchase Order

Document overview off | Hold | Print preview | Messages | Personal setting

FCPD Domestic PO - FCPD Vendor: 20010311 L&T VN1 Doc. date

Header

S	Itm	A	I	Material	Short text	PO quantity	O...	C	Deliv. date	Net p
	10	M		VALVECOMP	VALVE COMPONENT1	20	EA	D	08.08.2009	

SupplySrc/Object/Short text
/Not assigned
10117902
VALVE COMPON

Item: 1 [10] VALVECOMP, VALVE COMPONENT1

Material data | Quantities/weights | Delivery schedule | Delivery | Invoice | Conditions

S	C	Delivery date	SL Qty	Time	Stat.Del.D	GR qty	Purch.req.	Req...
	D	08.08.2009	20		08.08.2009		10117902	10

PO for material VALVECOMP1

Create Purchase Order

Document overview off | Hold | Print preview | Messages | Personal setting

FCPD Domestic PO - FCPD Vendor: 20010311 L&T VN1 Doc. date

Header

S	Itm	A	I	Material	Short text	PO quantity	O...	C	Deliv. date	Net p
	10	M		VALVECOMP1	VALVE COMPONENT1	30	EA	D	08.08.2009	

SupplySrc/Object/Short text
/Not assigned
10117901
VALVE COMPON

Item: 1 [10] VALVECOMP1, VALVE COMPONENT1

Material data | Quantities/weights | Delivery schedule | Delivery | Invoice | Conditions

S	C	Delivery date	SL Qty	Time	Stat.Del.D	GR qty	Purch.req.	Req...
	D	08.08.2009	30		08.08.2009		10117901	10

Goods Receipt for Components

Use transaction code MIGO

Show Overview | | Hold | Check | Post | Help

A04 Display | R02 Material Docum | 5000098774 | 2009 |

General Vendor Doc. info Excise Invoice

Document Date 17.04.2009 Delivery Note Vendor L&T VN1
Posting Date 17.04.2009 Bill of Lading HeadText
 ☐ 3 Collective Slip

Line	Material ShortText	Qty in UnE	E...	Stor.Loc	Profit Center
1	VALVE COMPONENT1	30	EA	Rawmat!	COFC001

Material Quantity Where Purchase Order Data Partner Account Assignment Excise Item

Movement Type GR for sales ord.st. 101 E + Stock type Unrestricted use

Note the sale order number in item details in “where” tab

Show Overview | | Hold | Check | Post | Help

A04 Display | R02 Material Docum | 5000098773 | 2009 |

General Vendor Doc. info Excise Invoice

Document Date 17.04.2009 Delivery Note Vendor L&T VN1
Posting Date 17.04.2009 Bill of Lading HeadText
 ☐ 3 Collective Slip

Line	Material ShortText	Qty in UnE	E...	Stor.Loc	Profit Cent
1	VALVE COMPONENT1	20	EA	Rawmat!	COFC001

Material Quantity Where Purchase Order Data Partner Account Assignment Excise Item

Movement Type GR for sales ord.st. 101 E + Stock type Unrestricted use

Sales order 6000719 10

View the Stock (sale order stock)

Use transaction code MMBE

Material	/ALVECOMP1	ALVE COMPONENT1
Matl Type	ROH	Raw materials
Unit of Meas.	EA	Base Unit of Meas. EA
Stock Overview		
.....		
Detailed Display		
Client/Company Code/Plant/Storage Location/Batch/Special Stock		Unrestricted use
Total		
PP01 XYZ Pvt Ltd		
Plant P100		
FC11 Rawmat:		
Sales Order Stock		30.000

Material	/ALVECOMP	ALVE COMPONENT1
Matl Type	ROH	Raw materials
Unit of Meas.	EA	Base Unit of Meas. EA
Stock Overview		
.....		
Detailed Display		
Client/Company Code/Plant/Storage Location/Batch/Special Stock		Unrestricted use
Total		Qu:
PP01 XYZ Pvt Ltd		
Plant P100		
FC11 Rawmat:		
Sales Order Stock		20.000

Create Subcontract PO with Reference to Semi Finished PR

Create Purchase Order

Document overview off | | Print preview | Messages | Personal setting

FCPS Subcontract PO - | Vendor: 20010316 L&T VN2 | Doc. date: 17.04.2009

Header

S	Itm	A	I	Material	Short text	PO quantity	O...	C	Deliv. date	Net price	Curr...
	10	M	L	VALVESEMI100	VALVE SEMIASSEMBLY	10 EA	D		17.08.2009	500.00	INR
											INR
											INR
											INR
											INR
											INR
											INR
											INR
											INR
											INR

SupplySrc/Object/Short text

- /Not assigned
- 10117900
- VALVE SEMIASSEMBLY

Item: 1 [10] VALVESEMI100, VALVE SEMIASSEMBLY

Material data | Quantities/weights | Delivery schedule | Delivery | Invoice | Conditions | Account assignment

Material group: BALL | Revision level: | Component:

Vendor mat. no.: | EAN/UPC: | Explode BOM:

Maintain Storage Location to the Subcontractor

Use transaction code SPRO

Dialog Structure

- Storage locations
 - Addresses of storage

Plant: P100

SLoc	Description
222	Sub-cont-SL
FC11	Rawmat'

Transfer Goods/Components to Subcontractor (Subcontractor Storage Location)

Use transaction code MB1B with movement type 311 +E



Show Overview		Hold		Check		Post		Help	
04 Display		R02 Material Docum		4900540544		2009			
General		Doc. info		Excise Invoice					
Document Date		09.04.2009		Material Slip		66			
Posting Date		09.04.2009		Doc.Header Text					
<input type="checkbox"/> 3 Collective Slip									
Transfer		Material		Quantity		Where		Account Assignment	
Movement Type		TF sls.ord. in plant		311		E		-	
Sales order		6000709		10					

Transfer		Material		Quantity		Where		Account Assignment		Excise Item	
From						Dest					
Material						halb material					
COMP3											
Plant						LARSEN & TOUBRO LIMITED P100					
Stor. loc.						Rawmatl(fcp2) FC11					
Spec.Stock						E Orders on hand					
6000709 10						6000709 10					
Unit of Entry						5 NOS					

Stock Overview

Stock will be updated at subcontractor storage location under sale order stock.

Transaction code MMBE









Selection

Material VALVECOMP VALVE COMPONENT1

Matl Type ROH Raw materials

Unit of Meas. EA Base Unit of Meas. EA

Stock Overview

Detailed Display







Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Quantity
▼ Total		
▼ PP01 XYZ Pvt Ltd		
▼ Plant P100		
▼ 222 Sub-cont-SL		
Sales Order Stock	20.000	

Material VALVECOMP1 VALVE COMPONENT1

Matl Type ROH Raw materials

Unit of Meas. EA Base Unit of Meas. EA


Stock Overview

Detailed Display


Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Quantity
▼ Total		
▼ PP01 XYZ Pvt Ltd		
▼ Plant P100		
▼ 222 Sub-cont-SL		
Sales Order Stock	30.000	

Create Challan

Use transaction code J11F01

Material Document	
Material Doc.	4900540585
Mat. Doc. Year	2009
Organisational Data	
Excise Group	14
Series Group	04
Business Area	P100 

Subcontracting Challan - Create

Excise Invoice Selection				
Posting Overview Org. Data Additional Data Text				
Company Code	PP01	XYZ Pvt Ltd		
Plant	P100	Plant P100		
Excise Group	14	EXCISE GROUP F		
Series Group	04 	SERIES GROUP F		
Business Area	P10	Business Area		
Item Overview Quantity Overview Additional Data				
	Item	Material	Description	Qty in exc inv
	1	VALVECOMP	VALVE COMPONENT1	20.000
	2	VALVECOMP1	VALVE COMPONENT1	30.000

Receive Goods (semi finished) from Subcontractor

Use transaction code MIGO, with movement type 101 (543 will be taken to components), Subcontractor storage location to be entered.

01 Goods Receipt | R01 Purchase Order | | Plant P100 | GR goods receipt 101

General | Vendor |

Document Date 17.04.2009 | Delivery Note | Vendor L&TVN2
Posting Date 17.04.2009 | Bill of Lading | HeadText |
☐ 3 Collective Slip

Line	Stat	Material ShortText	OK	Qty in UnE	E	S	Stor.Loc	M	Cost Center
1		VALVE SEMIASSEMBLY	<input checked="" type="checkbox"/>	10	EA		Finished	101	
1		VALVE COMPONENT1	<input checked="" type="checkbox"/>	20	EA		222	543	
1		VALVE COMPONENT1	<input checked="" type="checkbox"/>	30	EA		222	543	

Material | Quantity | Where | Purchase Order Data | Partner | Account Assignment

Movement Type GR for sales ord.st. 101 E + Stock type Unrestricted use
Sales order 6000719 10
Plant Plant P100

View the Stock of Components after Goods Receipt

Stock of components will be consumed at subcontracting storage location when semifinished goods received from subcontracting vendor.

Stock Overview: Basic List

Selection

Material VALVECOMP1 | VALVE COMPONENT1
Matl Type ROH | Raw materials
Unit of Meas. EA | Base Unit of Meas. EA

Stock Overview

Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. ins
Total		
PP01 XYZ Pvt Ltd		

Stock Overview: Basic List



Selection

Material **/ALVECOMP** ALVE COMPONENT1
 Matl Type ROH Raw materials
 Unit of Meas. EA Base Unit of Meas. EA

Stock Overview



Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. ins
<div> Total </div>		
<div> PP01 XYZ Pvt Ltd </div>		

View the Stock of Semi-Finished after Goods Receipt

Stock Overview: Basic List



Selection

Material **/ALVESEMI100** ALVE SEMIASSEMBLY
 Matl Type HALB Semifinished products
 Unit of Meas. EA Base Unit of Meas. EA


Stock Overview




Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use	Qual. ins
<div> Total </div>		
<div> PP01 XYZ Pvt Ltd </div>		
<div> P100 Plant P100 </div>		
<div> FC12 Semifinis(fcp2) </div>		
Sales Order Stock	10.000	

Reconciliation of Challan

Use transaction code J1IFQ

 **Reconcile**

Material Doc. 

Mat. Doc. Year

Year	Challan No	Item



Material Doc.	5000098775	Vendor	20010316
Mat. Doc. Year	2009		

Item	Mvt	Material Number	Description	Open Quantity
2	543	VALVECOMP	VALVE COMPONENT1	20.000
3	543	VALVECOMP1	VALVE COMPONENT1	30.000

Complete Challan

Use transaction code J1IF13


Subcontracting Challan - Complete/Reversal/Recredit

 Accounting Documents  Material Documents

Challan Number Excise year

Posting Overview Org. Data Additional Data Utilization Text

Basic duty	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
Special duty	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
Additional duty	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
NCCD Value	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
ECS Value	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>

☐ Reverse Challan Sub Transaction Type 

☒ Do not Reverse Challan

Item Overview Quantity Overview Additional Data

Item	Material	Mat ty...	Description
1	VALVECOMP		VALVE COMPONENT1
2	VALVECOMP1		VALVE COMPONENT1

Convert Finished Material Planned Order to Production Order

From planned order to Production order, transaction code MD04

Stock/Requirements List as of 14:28 Hrs

Hide Overview Tree

Material: VALVE100 VALVE ASSEMBLY
Plant: P100 MRP type: PD Material type: ZHAW Unit: E

Plnd order: 0000011696

0000011696

VALVE100

VALVESEMI100

VALVECOMP

VALVECOMP1

A	Date	MRP e	MRP element data	Rescheduli	E	Rec./reqd.qty
	17.04.2009	Stock				
	17.04.2009	CustSt	0006000719/000010			
	18.08.2009	PldOrd	0000011696/S0			10
	18.08.2009	CusOrd	0006000719/000010/000			10-

Additional Data for MRP Element

Plnd order: 0000011696 Make-to-order Order finish: 18.08.2009 GR pr.time: 0

Order qty: 10 EA Order start: 17.08.2009 Proc. type: E

Scrap: 0 Planned opening: 17.08.2009 Order type: KD

-> Prod.ord -> PartConvProdOrder -> Proc.ord -> SubProcOrd -> Pur.req.

Production order Create: Header

Material: VALVE100 VALVE ASSEMBLY
Status: CRTD MSPT SETC

Order: %000000000001 Type: F
Material: VALVE100 Plant: P
Status: CRTD MSPT SETC

General Assignment Goods receipt Control data Dates/qtys Master data

Quantities

Total Qty: 10 EA Scrap portion: 0.00 %
Delivered: 0 ExpectYieldVar: 0

Dates

	BasicDates		Scheduled		Confirmed	
Finish	18.08.2009	00:00	17.08.2009	17:00		
Start	04.08.2009	00:00	04.08.2009	10:37		00:00
Release			04.08.2009			

Sales Order

Sales Order: 6000719 10 0 G.DelDate: 18.08.2009 1.del.dat: 18.08.2009
Ordering prty: 0U350 Orchid Chemicals & Pharma Chennai

Note that planned order (000011696) converted as production order (00000100591)

Stock/Requirements List as of 14:29 Hrs

Hide Overview Tree

Material: VALVE100 VALVE ASSEMBLY
 Plant: P100 MRP type: PD Material type: ZHAW Unit: E

Plnd order: 0000011696
 VALVE100
 VALVESEMI100
 VALVECOMP
 VALVECOMP1

A	Date	MRP e	MRP element data	Rescheduli	E	Rec./reqd.qty	A
	17.04.2009	Stock					
	17.04.2009	CustSt	0006000719/000010				
	18.08.2009	PrdOrd	000001000591/FCP0/Re			10	
	18.08.2009	CusOrd	0006000719/000010/000			10-	

Goods Issue to the Production

Use Transaction code MB1A

Enter Goods Issue: Initial Screen

New Item To Reservation... To Order... WM Parameters...

Document Date: 17.04.2009 Posting Date: 17.04.2009
 Material Slip:
 Doc.Header Text:

Defaults for Document Items

Movement type: 261 Special Stock: E
 Plant: P100 Reason for Movement:
 Storage location: FC12 ☐ Suggest Zero Lines

GR/GI Slip

☐ Print ☐ Individual Slip
☒ Indiv.Slip w.Inspect.Text
☐ Collective Slip

Enter Goods Issue: Collective Processing

		To Reservation...	To Order...			
Movement Type	261	GI order fm. sls.or.	Special Stock	E		
			Sales order	6000719	10	
Order	1000591	VALVE ASSEMBLY				
Items						
Item	Material	Quantity	UnE	SLoc	Batch	Re PInt
1	VALVESEMI100	10	EA	FC12		P100
2				FC12		P100


Confirmation of Production Order


Use Transaction code CO15

		Confirmation		Edit	Goto	Parameters	Selection	System	Help				
Create Production Order Confirmation: Initial Screen													
Order	1000591												


Goods Receipt Against Production Order

Use Transaction code MB31 / MIGO with movement type 101

 Goods Receipt Edit Goto Movement Type Environment System Help



Goods Receipt for Order: Initial Screen

 Adopt + Details To Order... WM Parameters...

Document Date

Posting Date

Delivery Note

Doc. Header Text

Defaults for Document Items

Movement Type

Order

Plant

Stor. Location

Reason for Movement

☐ Suggest Zero Lines

GR/GI Slip

☐ Print

☐ Individual Slip
☒ Indiv.Slip w.Inspect.Text
☐ Collective Slip

Order Settlement for Production Order

Use Transaction code KO88


The screenshot shows the SAP Order Settlement for Production Order (KO88) interface. The title bar includes a menu bar with 'Settlement', 'Edit', 'Goto', 'Extras', 'Environment', 'System', and 'Help'. Below the menu bar is a toolbar with various icons. The main area is titled 'Actual Settlement: Order'. A 'Settlement Rule' button is visible. The 'Order' field contains the value '1000591'. The 'Parameters' section includes fields for 'Settlement period' (09), 'Fiscal Year' (2009), 'Processing type' (2 By Period), 'Posting period', and 'Asset Value Date'. The 'Processing Options' section includes checkboxes for 'Test Run' (checked) and 'Check trans. data' (unchecked).


















Parameters	
Settlement period	09
Fiscal Year	2009
Processing type	2 By Period
Posting period	
Asset Value Date	

Processing Options	
<input checked="" type="checkbox"/> Test Run	
<input type="checkbox"/> Check trans. data	












Delivery of Finished Products


Use Transaction code VL01N

Outbound Delivery Edit Goto Extras Environment Subsequent Functions System Help



Create Outbound Delivery with Order Reference

With Order ReferenceW/o Order ReferencePost Goods

Shipping point 

Sales order data

Selection date	<input type="text" value="22.09.2009"/>
Order	<input type="text" value="6000719"/>
From item	<input type="text" value="10"/>
To item	<input type="text"/>

Predefine delivery type

Delivery Type	<input type="text"/>
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