

UNBW& PIPE MATERIAL PROCUREMENT

UNBW MATERIAL PROCUREMENT

UNBW MATERIAL

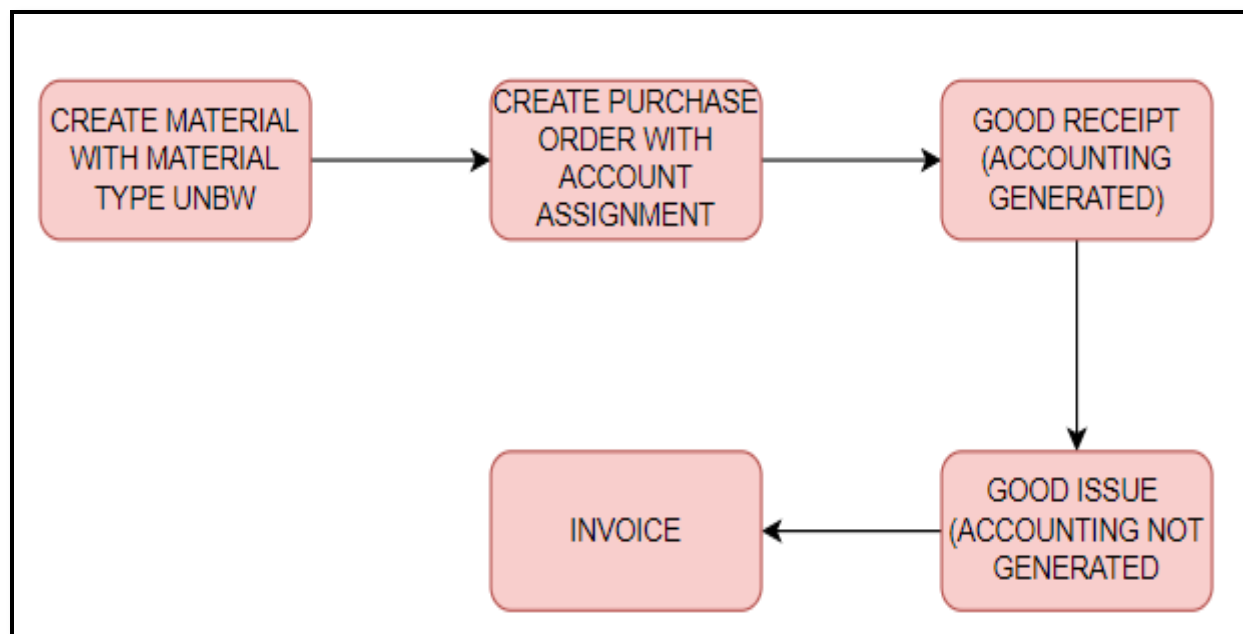
- UNBW is material type (non valuated material)
- UNBW are managed on quantity basis but not by value
- For UNBW material accounting document are created only at the time of good receipt because company are liable to to pay the vendor.

BUSINESS SCENARIO

- My plant manufacture a mobile and deliver to customer
- But along with mobile we have to provide some instruction manual and charger
- This accessories material we give to customer along with product (mobile)
- This accessories material we taken as UNBW material
- We order this material from external vendor. We have to pay the amount to vendor so during good receipt accounting document generated but when we enter good issue accounting document is not generated

FINISHED PRODUCT : MOBILE

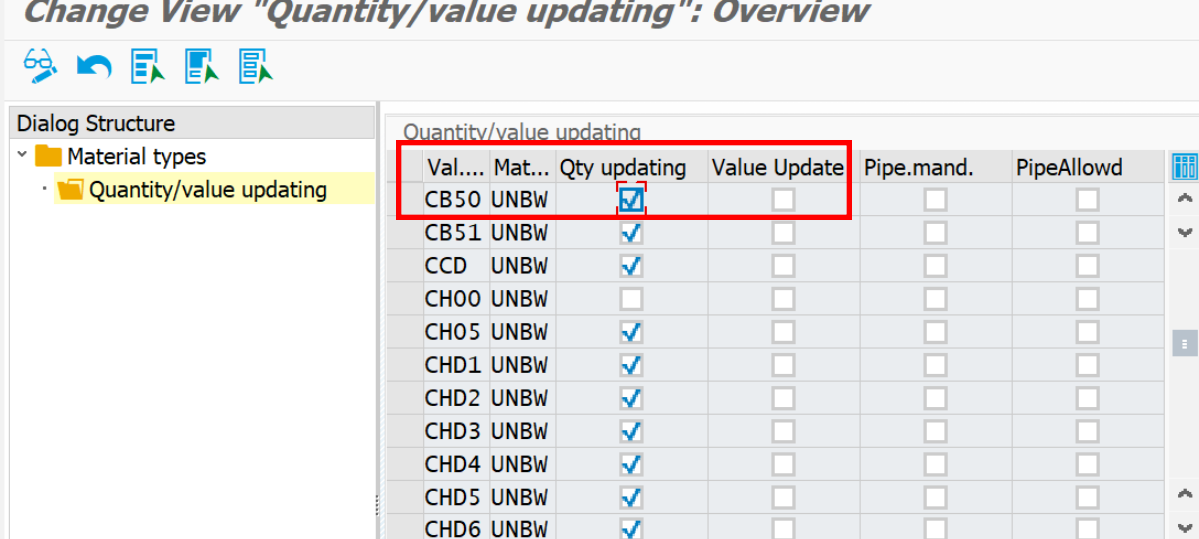
UNBW PRODUCT : **CHARGER , USER GUIDE , HEADPHONE**



STEP 1 : CONFIGURATION PREREQUISITE OMS2

In material master we have to check qty and value update Untick value update

Change View "Quantity/value updating": Overview



Val....	Mat...	Qty updating	Value Update	Pipe.mand.	PipeAllowd
CB50	UNBW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CB51	UNBW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CCD	UNBW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CH00	UNBW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CH05	UNBW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHD1	UNBW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHD2	UNBW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHD3	UNBW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHD4	UNBW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHD5	UNBW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHD6	UNBW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

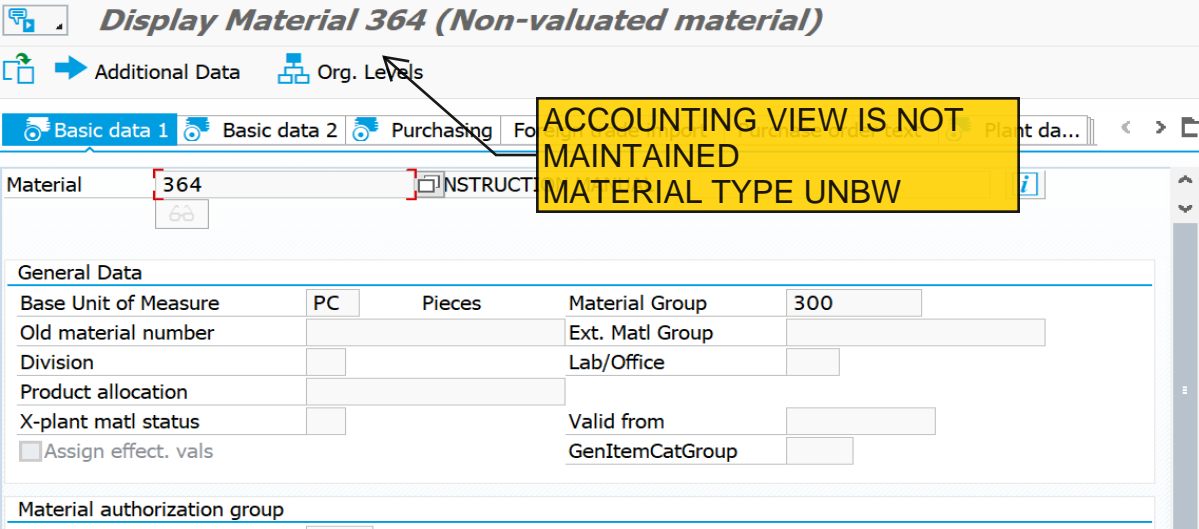
STEP 2 : CREATE MATERIAL

I have created material with UNBW material type

Maintained basic data, purchasing, general storage data

Do not maintain accounting data view

Display Material 364 (Non-valuated material)



Material: 364 INSTRUCT

General Data

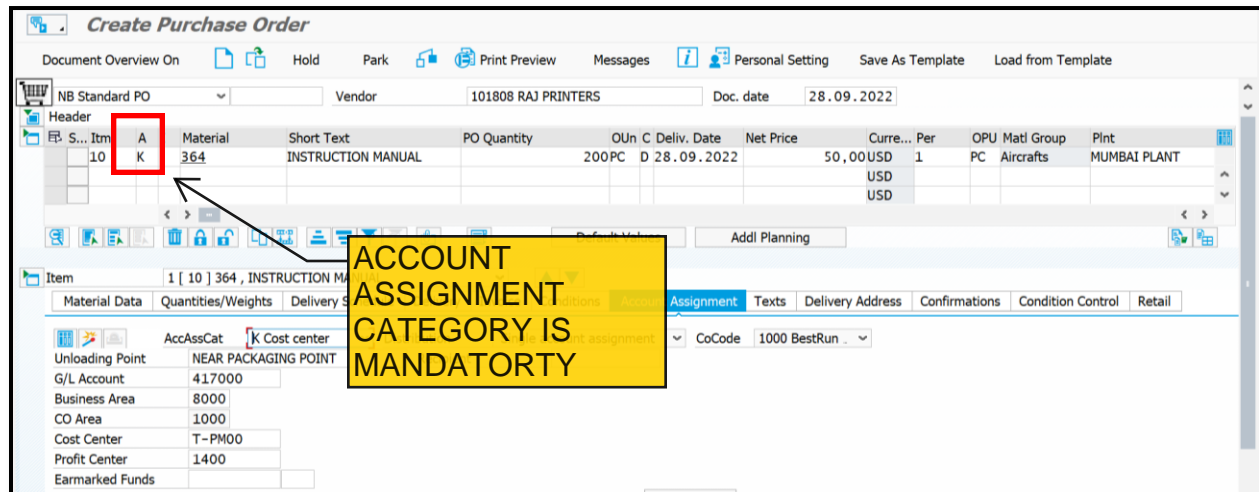
Base Unit of Measure	PC	Pieces	Material Group	300
Old material number			Ext. Matl Group	
Division			Lab/Office	
Product allocation				
X-plant matl status			Valid from	
<input type="checkbox"/> Assign effect. vals			GenItemCatGroup	

Material authorization group

Authorization Group

STEP 3 : CREATE PURCHASE ORDER

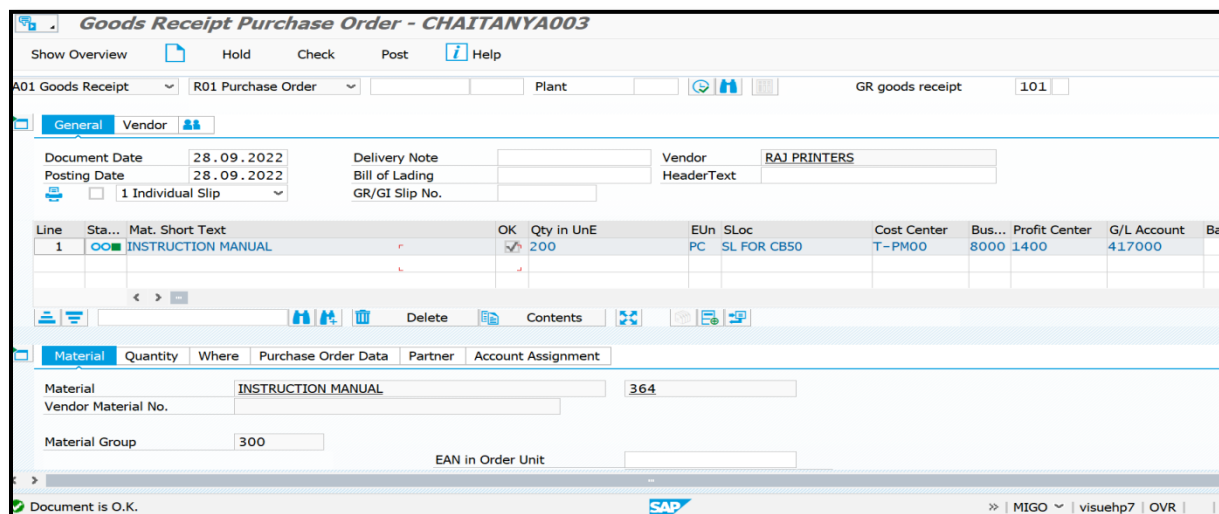
I have to purchase material from vendor but accounting view is not maintained so i have to give account assignment category also we have to manually enter cost center for which amount is liable



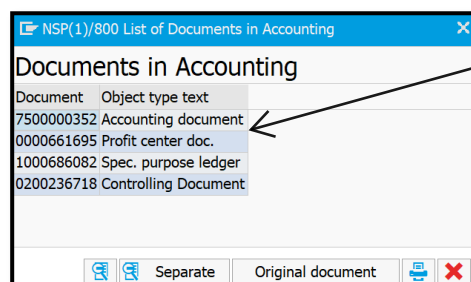
The screenshot shows the 'Create Purchase Order' interface in SAP. The 'Header' section includes 'NB Standard PO', 'Vendor: 101808 RAJ PRINTERS', and 'Doc. date: 28.09.2022'. The 'Item' table has one entry: '10 INSTRUCTION MANUAL' with 'Material: 364', 'Short Text: INSTRUCTION MANUAL', 'PO Quantity: 200', 'C Deliv. Date: 28.09.2022', 'Net Price: 50,00 USD', 'Curr... Per: 1', 'OPU Matl Group: PC Aircrafts', and 'Plnt: MUMBAI PLANT'. A yellow box with the text 'ACCOUNT ASSIGNMENT CATEGORY IS MANDATORY' points to the 'A K' account assignment category in the 'Item' table. The 'Item' section shows 'AccAssCat: K Cost center', 'Unloading Point: NEAR PACKAGING POINT', 'G/L Account: 417000', 'Business Area: 8000', 'CO Area: 1000', 'Cost Center: T-PM00', 'Profit Center: 1400', and 'Earmarked Funds'.

STEP 4 : ENTER GOOD RECEIPT

When we enter good receipt accounting is generated because company are liable to pay the vendor.



The screenshot shows the 'Goods Receipt Purchase Order - CHAITANYA003' interface in SAP. The 'General' section includes 'Document Date: 28.09.2022', 'Posting Date: 28.09.2022', 'Delivery Note', 'Bill of Lading', 'GR/GI Slip No.', 'Vendor: RAJ PRINTERS', and 'HeaderText'. The 'Line' table has one entry: '1 INSTRUCTION MANUAL' with 'OK', 'Qty in UnE: 200', 'EUn: PC', 'Sloc: SL FOR CB50', 'Cost Center: T-PM00', 'Bus... Profit Center: 8000 1400', and 'G/L Account: 417000'. The 'Material' section shows 'Material: INSTRUCTION MANUAL', 'Vendor Material No.', 'Material Group: 300', and 'EAN in Order Unit'. The status bar at the bottom indicates 'Document is O.K.' and 'SAP'.

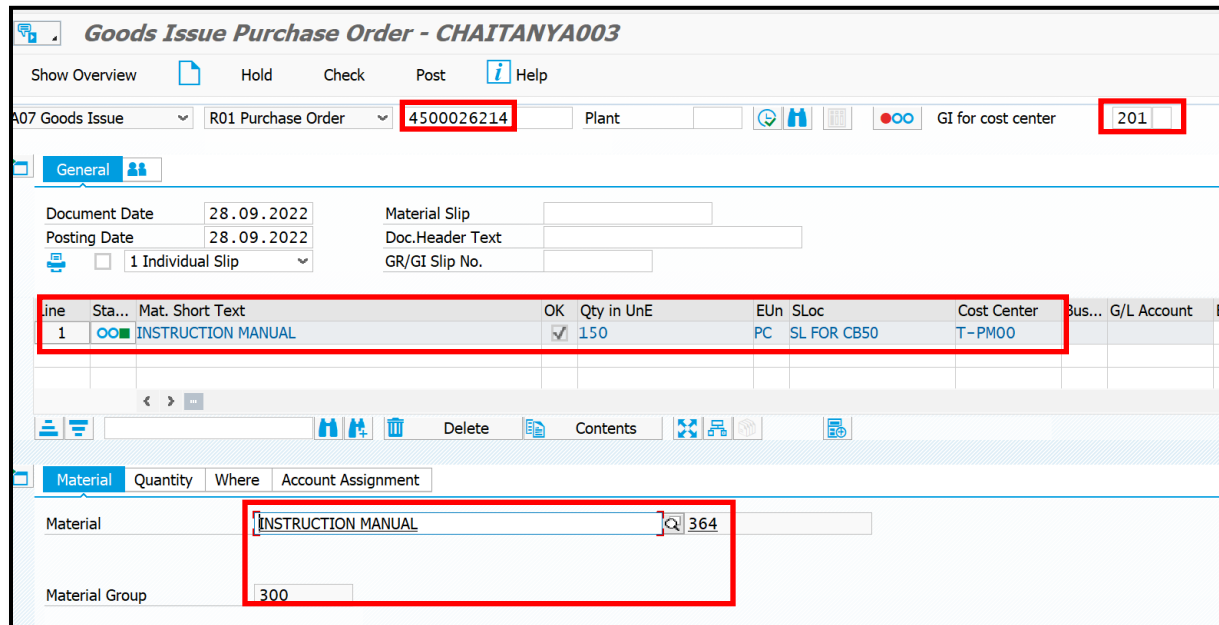


The screenshot shows the 'NSP(1)/800 List of Documents in Accounting' window. It displays a list of documents in accounting, including '7500000352 Accounting document', '0000661695 Profit center doc.', '1000686082 Spec. purpose ledger', and '0200236718 Controlling Document'. A yellow box with the text 'ACCOUNTING DOCUMENT GENERATED' points to the '7500000352 Accounting document' entry. The window also has buttons for 'Separate' and 'Original document'.

STEP 5 : ENTER GOOD ISSUE

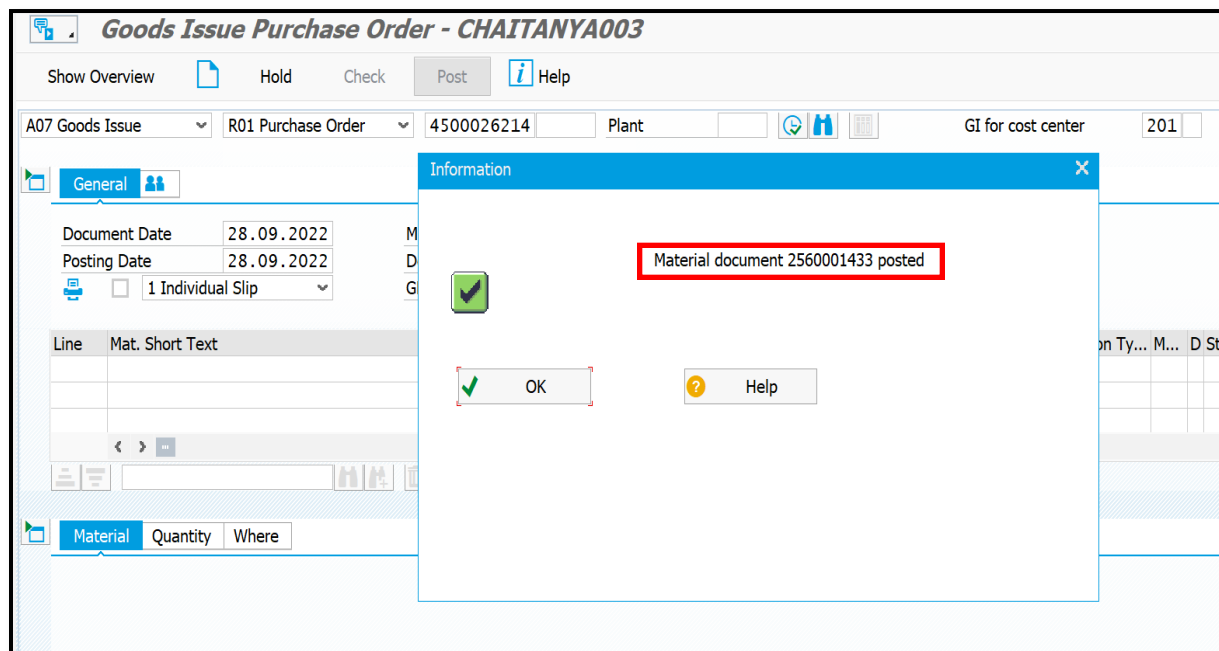
Now we want to consume the qty so we have to issue the good to cost center.

During good issue account document will not be generated

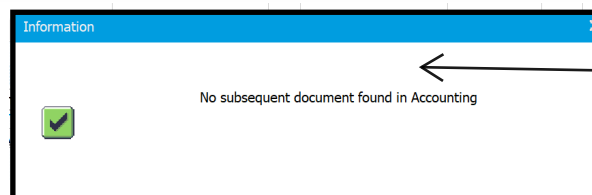


The screenshot shows the SAP 'Goods Issue Purchase Order - CHAITANYA003' interface. The 'General' tab is active. The document type is 'A07 Goods Issue', the purchase order is 'R01 Purchase Order', and the document number is '4500026214'. The plant is 'Plant'. The 'GI for cost center' is '201'. The 'Document Date' and 'Posting Date' are both '28.09.2022'. The 'Material Slip' is 'INSTRUCTION MANUAL'. The 'Cost Center' is 'T-PM00'. The 'Quantity' is '150'. The 'Material' is 'INSTRUCTION MANUAL' and the 'Material Group' is '300'. The 'Material' field is highlighted with a red box.

Display good receipt and check for accounting document



The screenshot shows the same SAP 'Goods Issue Purchase Order - CHAITANYA003' interface. An 'Information' message box is displayed, stating 'Material document 2560001433 posted'. The message box has a green checkmark icon and buttons for 'OK' and 'Help'. The 'Material' field is highlighted with a red box.



The screenshot shows an 'Information' message box with a green checkmark icon and the text 'No subsequent document found in Accounting'. The message box has buttons for 'OK' and 'Help'.

NO ACCOUNTING
DOCUMENT
GENERATED

STEP 6 : ENTER INVOICE

Enter Incoming Invoice: Company Code 1000

Show PO structure Show worklist Hold Simulate Messages Help

Transaction: 1 Invoice Balance: 0,00 USD
Diff. Posting: Not Applicable

Basic Data Payment Details Tax Contacts Note

Invoice date: 28.09.2022 Reference:
Posting Date: 28.09.2022
Amount: 11.000,00 USD ☒ Calculate tax
Tax amount: 1.000,00 11 11 (Input tax 10%)
Text:
Paymt terms: Due immediately
Baseline Date: 28.09.2022
Company Code: 1000 BestRun Germany pune

Vendor 0000101808
RAJ PRINTERS
D-
OI

PO Reference G/L Account Material Contract Reference

1 Purchase Order/Scheduling Agreement 4500026214 Layout: 7_6310 All information

Item	Amount	Quantity	Or...	Purchase Or...	Item	PO Text	Outline Agr
1	10.000,00		200PC	<input type="checkbox"/> 4500026214	10	INSTRUCTION MANUAL	

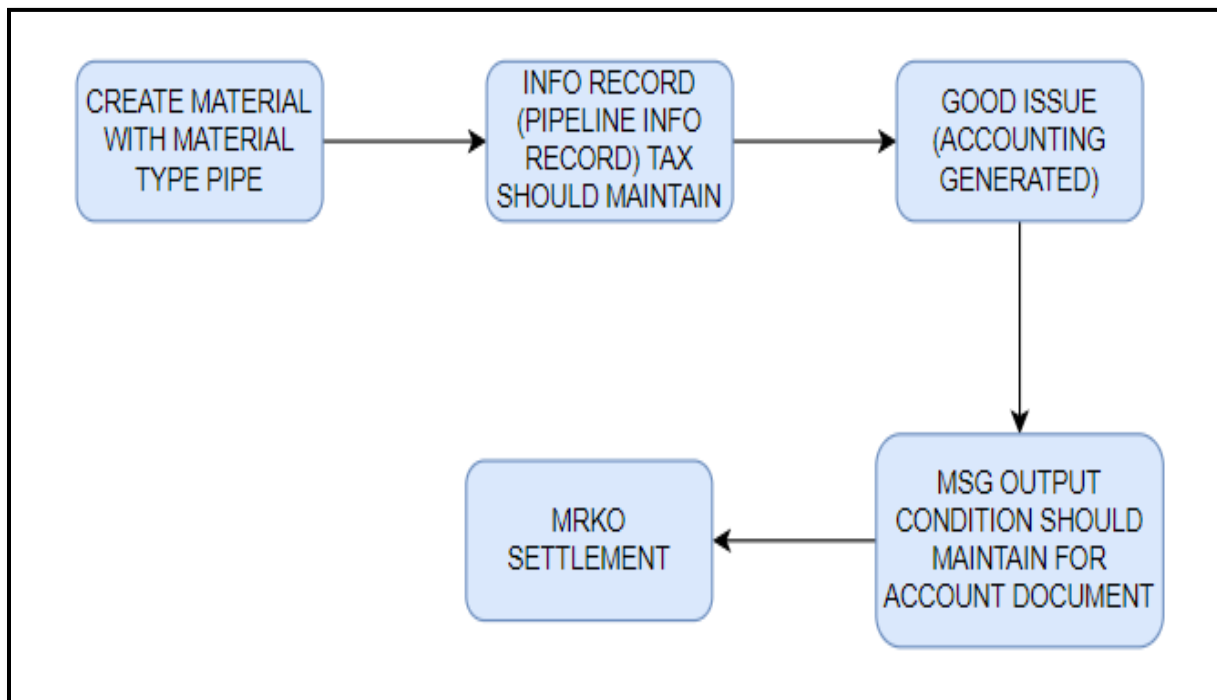
PIPELINE MATERIAL PROCUREMENT

- Pipeline material is a material that flows directly to the production point from a pipeline and from similar resource
- Pipeline procurement is a special type of procurement
- In pipeline procurement material is ready available so no purchasing transaction involved
- We have to use **PIPE** material type for procurement.

When pipeline procurement is used?

- Suppose my plant require 500 lit Distilled water from plant A
- We receive water through pipeline
- All rate is fixed with vendor so pipeline info record is created
- Water is direct issued to production site so direct good issue will be done with special stock P
- In pipeline procurement Invoice is not done we have to do MRKO settlement

PIPELINE MATERIAL EXAMPLE : OIL , WATER , GAS



STEP 1 CREATE MATERIAL

Display Material 368 (Pipeline material)

Additional Data Org. Levels

Purchase order text Accounting 1 Accounting 2 Plant stock WM Execution WM Packaging Co...

Material 368 DISTILLED WATER
Plant CB50 MUMBAI PLANT

General Data

Base Unit of Measure L Liter
Currency EUR
Division

Valuation Category 09 2022
Current period
Pr

Current valuation

Valuation Class
VC: Sales order stk
Price control V
Moving price 200,00
Total Stock 0

Proj. stk val. class
Price Unit 1
Standard price 0,00
Total Value 0,00

Future price 0,00
Previous price 0,00
Valid from
Last price change

STORAGE VIEW NOT MAINTAINED
MATERIAL TYPE : PIPE

STEP 2 CREATE INFO RECORD

Create Info Record: Initial Screen

Vendor 101809
Material 368
Purchasing Org. P973
Plant CB50
Info Record

Info category

☐ Standard
☐ Subcontracting
☒ Pipeline
☐ Consignment

SELECT PIPELINE
INFO RECORD

Display Info Record: Purch. Organization Data 1

General Data Conditions Texts

Info Record 5300012822
Vendor 101809
Material 368
Material Group 00005
Purchasing Org. P973

INFO OF PIPELINE MATERIAL
WATER SUPPLIER
DISTILLED WATER
material CB50 Pipeline

MANDATORY

Control

Pl. Deliv. Time 2 Days
Purch. Group AB1
Standard Qty 1 L
Minimum Qty 0 L
Rem. Shelf Life 0 D
Differential Invoicing 01 Not Rele.
Shippg Instr.

Tol. Underdl. 0,0 %
Tol. Overdl. 0,0 %
Unlimited
GR-Bsd IV
No ERS

No MText
Ackn. Rqd
Conf. Ctrl

Tax Code 1I

Max. Quantity 0 L
Procedure Rndg Prof.
UoM Group
RMA Req.

Conditions

Net Price 200,00 USD / 1 L
Effective Price 200,00 USD / 1 L
Qty Conv. 1 L <-> 1 L
Pr. Date Cat. No Control

Valid to 31.12.9999
No Cash Disc.
Cond. Grp

Incoterms

STEP 3 ENTER GOOD ISSUE

Goods Issue Other - CHAITANYA003

Show Overview | Hold | Check | Post | Help

A07 Goods Issue | R10 Other | GI pipel.for cst.cnt | 201

General

Document Date: 28.09.2022 | Posting Date: 28.09.2022 | Material Slip: | Doc.Header Text: | GR/GI Slip No.: |

1 Individual Slip

Line	Sta...	Mat. Short Text	OK	Qty in UnE	EUn	S...	SLoc	Cost Center	Bus...	G/L Account	Batch
1		DISTILLED WATER	✓	900	L			T-PM00			

201 WITH SPECIAL MOVEMENT TYPE P IS USED

Material | Quantity | Where | Partner | Account As

Movement Type: 201 P | GI pipel.for cst.cnt | Stock type: 101809 | Unrestricted use

Vendor: WATER SUPPLIER | Plant: MUMBAI PLANT | CB50

Goods recipient:

Document is O.K. | MIGO | visuehp7 | OVR

Display Document: Data Entry View

Display Currency | General Ledger View

Data Entry View

Document Number: 10001410 | Company Code: 1000 | Fiscal Year: 2022

Document Date: 28.09.2022 | Posting Date: 28.09.2022 | Period: 9

Reference: | Cross-Comp.No.: | Texts exist: | Ledger Group: |

Currency: USD

CoCd	Item PK	S	Account	Description	D	Amount Curr.	Tx	Cost Center	Trs	Material
1000	1 91		169900	Accounts Payable - c	H	180.000,00- USD		T-PM00	KON	358
	2 40		400000	Consumptn, raw mat.1	S	180.000,00 USD			GBB	358

CONSUMPTION ACCOUNT GBB DEBIT

A/C PAYABLE FOR PIPELINE KON CREDIT

STEP 4 : MAINTAIN CONDITION MRM1 (CONDITION TYPE KONS)

Create Condition Records (Consignment): Fast Entry



Communication |

Condition Recs.








CoC...	Name	Funct	Partner	M...	Dat...	Lang...
1000		YX		1	3	

STEP 5 : AUTOMATIC SETTLEMENT (MRKO)

Consignment and Pipeline Settlement

Selection



















Company Code	1000	to		
Vendor		to		
Plant		to		
Material		to		
Document Date		to		
Posting Date		to		
Material Document	2560001440	to		

☐ Consignment
☒ Pipeline

Processing

☐ Display
☒ Settle

Consignment and Pipeline Settlement

Info Record Messages                  

CoCd	Vendor	Mat_Doc	MatYr	Item	Doc. Date	Plant	Material	Qty	Withdr	Un	Amount	Crcy	DocumentNo	Year	Item	Information text
1000	101809	2560001440	2022	1	28.09.2022	CB50	368	900	L		180.000,00	USD	100001152	2022	2	Document created

A/C PAYBLE FOR
PIPELINE DEBIT

VENDOR ACCOUNT
CREDIT