

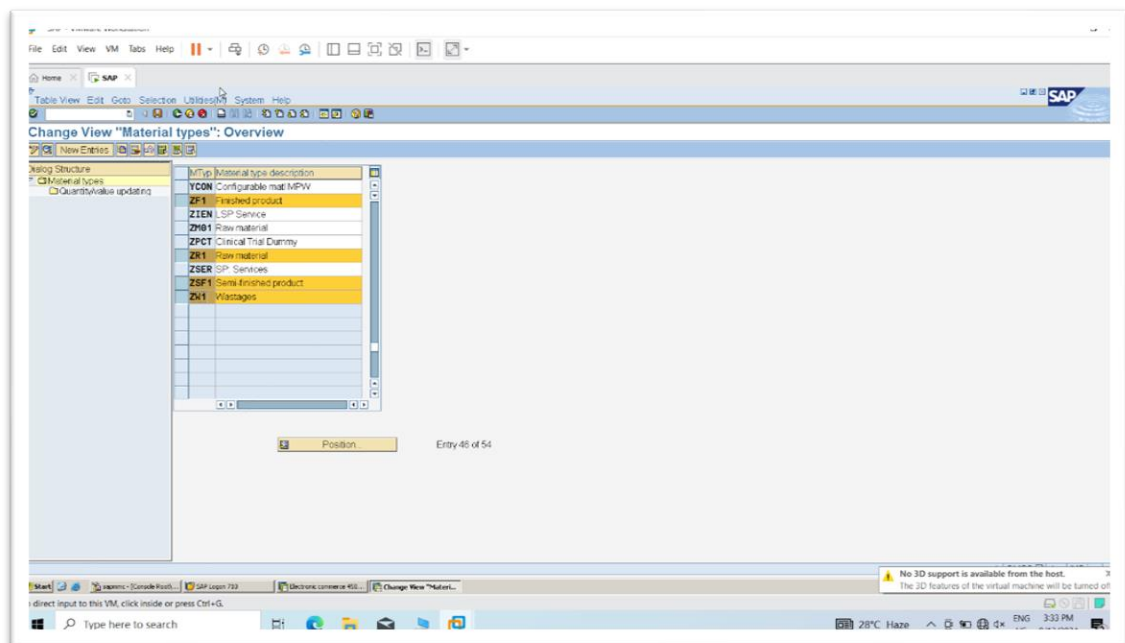
SAP MATERIAL MANAGEMENT

Here, I'm practicing the some of SAP MM Modules under the following ,

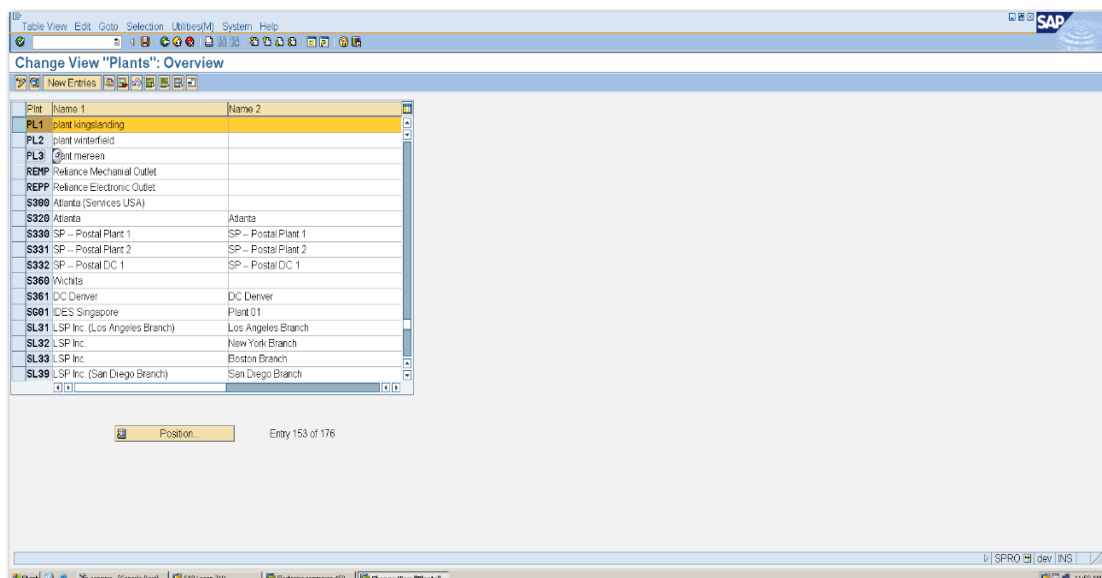
Company code : AS01 | Purchase Organization : GRP1 | Purchasing Group : 000

1. Creating the Material type, Plant & Storage Location.

- To create a Material type Tcode as [OMS2](#), I'm giving the sample material type name's as ZR(Raw Material), ZSF1(Semi Finished Product), ZF1(Finished Product), ZW1(Wastages).

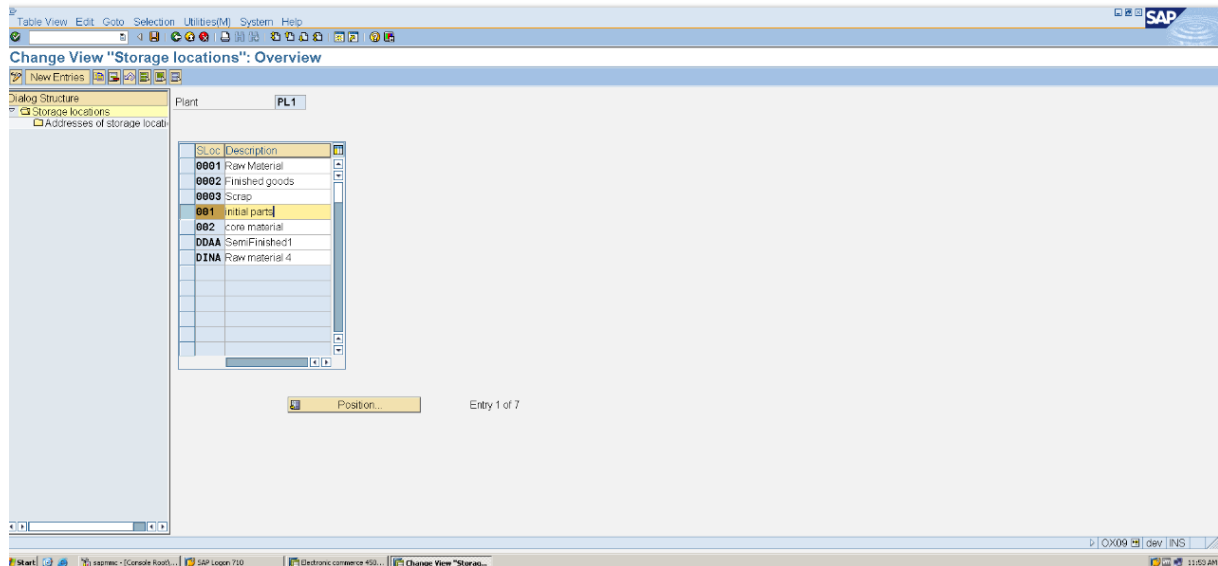


- To create a plant use Tcode as [OX10](#). Let us give the sample name as PL1



SAP MATERIAL MANAGEMENT

- To create a Storage Location as [OX02](#). Let us give the sample name or number 001.

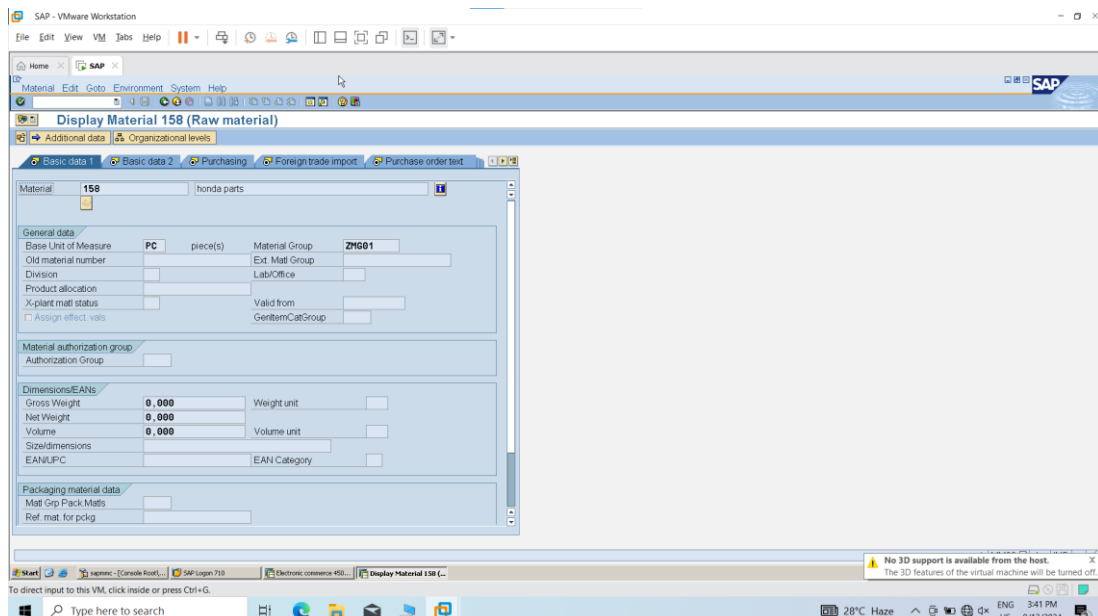


2. For the next Process as Creating the Material for the Purchasing, Inventory Management & other process.

- To create a Material use Tcode as [mm01](#),
- For any changes to be made use Tcode [mm02](#),
- To display a Material use Tcode [mm03](#).

As a sample Material number **158**, assigning the above mentioned Plant, Material Type, Storage Location to this Material.

Here, Some of the common views for giving the Material basic data, Purchase, Accounting, costing, Store loc.. & other views.



SAP MATERIAL MANAGEMENT

Purchase view:

SAP - VMware Workstation

File Edit View VM Tabs Help

Material Edit Goto Environment System Help

Display Material 158 (Raw material)

Additional data Organizational levels

Basic data 2 Purchasing Foreign trade import Purchase order text MRP 1

Material: 158 honda parts
Plant: PL 1 plant kingslanding

General Data

Base Unit of Measure: PC piece(s) Order Unit: ZH001 Var. OUn
Purchasing Group: 000 Valid from: Material Group: ZH001
Plant-sp. matl status: Valid from: Qual. FreeGoodsDis:
Tax ind. f. material: P Autom. PO:
Material freight grp: OB Management:
OB ref. material:

Purchasing values

Purchasing value key: Shipping Instr.:
1st Rem./Exped. 0 days Underdel. Tolerance 0.0 percent
2nd Rem./Exped. 0 days Overdeliv. Tolerance 0.0 percent
3rd Rem./Exped. 0 days Min. Del. Qty in % 0.0 percent
StdValueDelivDateVar 0 days Unkd Overdelivery Acknowledgment Reqd

Other data / manufacturer data

GR Processing Time 0 days Post to insp. stock Critical Part
Quota arr. usage Source list JIT Sched. Indicator
Mfr Part Profile

Start | sapnw - Console Root | SAP Logon 710 | Electronic commerce 450 | Display Material 158 (Raw material) | MM03 dev INS | 11:43 AM

To direct input to this VM, click inside or press Ctrl+G.

Type here to search

28°C Haze 3:43 PM 9/13/2024

Costing View:

Material Edit Goto Environment System Help

Display Material 158 (Raw material)

Additional data Organizational levels

Costing 1 Costing 2 Plant stock Stor. loc. stock

Material: 158 honda parts
Plant: PL 1 plant kingslanding

Standard Cost Estimate

Cost Estimate

	Future	Current	Previous
Period / Fiscal Year	0	0	0
Planned price	0.00	0.00	0.00
Standard price		500.00	

Planned prices

Planned price 1	0.00	Planned price date 1
Planned price 2	0.00	Planned price date 2
Planned price 3	0.00	Planned price date 3

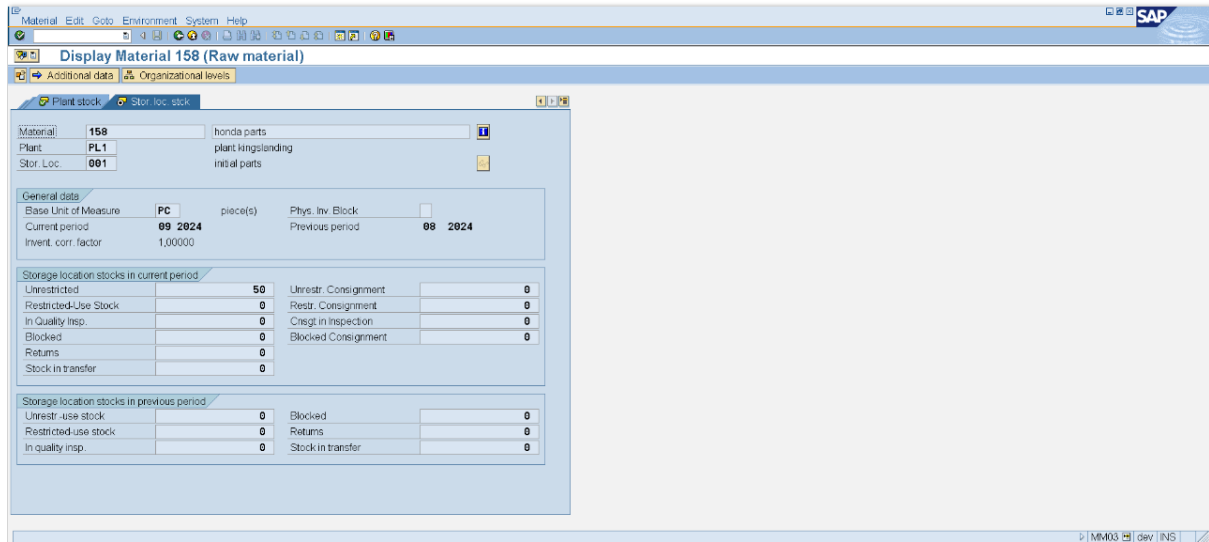
Valuation Data

Valuation Class	3000	Valuation Category	
Y.C. Sales order stk		Proj. stk.val. class	
Price control	S	Current period	9 2024
Price Unit	1	Currency	INR
Moving price	10.00	Standard price	500.00

Start | sapnw - Console Root | SAP Logon 710 | Electronic commerce 450 | Display Material 158 (Raw material) | MM03 dev INS | 11:44 AM

SAP MATERIAL MANAGEMENT

Storage Location View:



The screenshot shows the SAP 'Display Material' screen for material 158 (Raw material). The 'Storage Location' view is active, showing data for Plant PL1 and Storage Location 001. The material is identified as 'honda parts' with a description 'plant kingalanding initial parts'.

General data

Base Unit of Measure	PC	piece(s)	Phys. Inv. Block	
Current period	09 2024		Previous period	08 2024
Invent. corr. factor	1.00000			

Storage location stocks in current period

Unrestricted	50	Unrestr. Consignment	0
Restricted-Use Stock	0	Restr. Consignment	0
In Quality Insp.	0	Crsgrt in Inspection	0
Blocked	0	Blocked Consignment	0
Returns	0		
Stock in transfer	0		

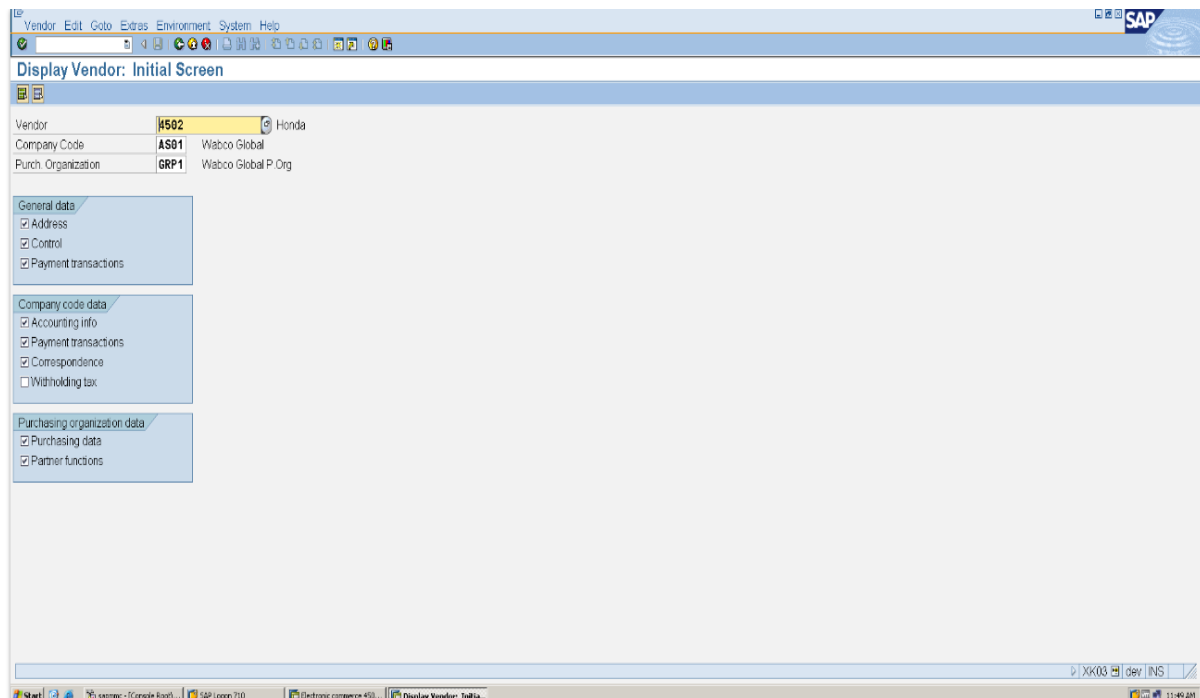
Storage location stocks in previous period

Unrestr-use stock	0	Blocked	0
Restricted-use stock	0	Returns	0
In quality insp.	0	Stock in transfer	0

3. After creating the Material we should create the **Vendor** for to Procure the Materials.

- To create the Vendor use Tcode as [XK01](#).
- To change any wrongly entered data use Tcode [XK02](#).
- To Display the Created Vendor details Tcode [XK03](#).

I'm giving the sample Vendor Number **4502**, and set some of General data for the Vendor such as Vendor Address, Payments, Account Information & other data's....



The screenshot shows the SAP 'Display Vendor: Initial Screen' for Vendor 4502 (Honda). The screen displays various data fields and checkboxes for different data categories.

Vendor Data:

Vendor	4502	Honda
Company Code	AS01	Wabco Global
Purch. Organization	GRP1	Wabco Global P Org

General data

- ☒ Address
- ☒ Control
- ☒ Payment transactions

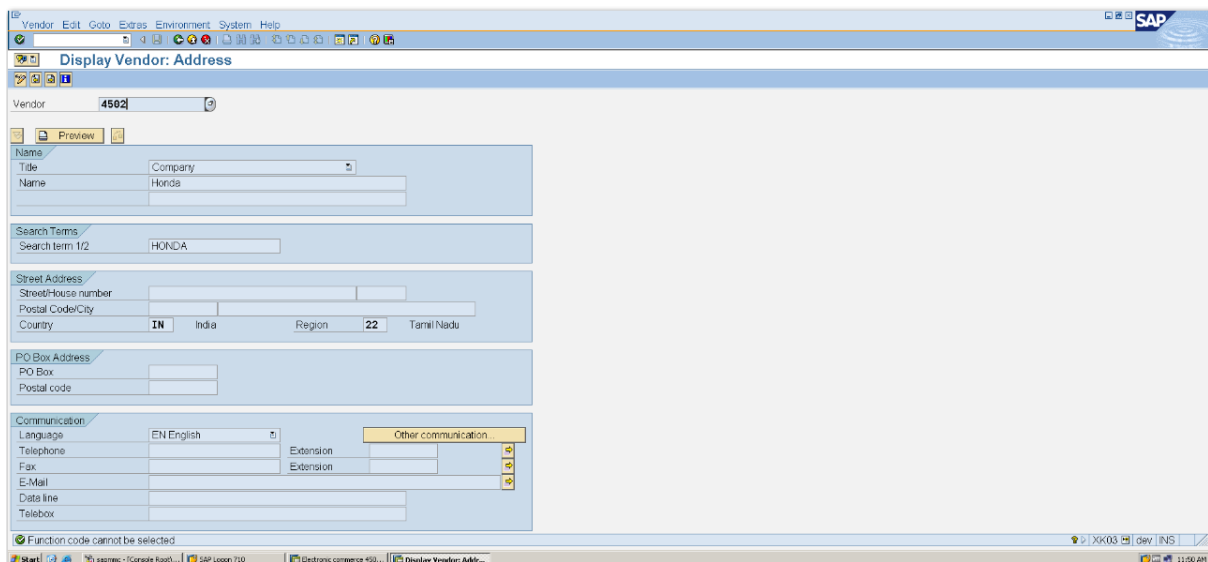
Company code data

- ☒ Accounting info
- ☒ Payment transactions
- ☒ Correspondence
- ☐ Withholding tax

Purchasing organization data

- ☒ Purchasing data
- ☒ Partner functions

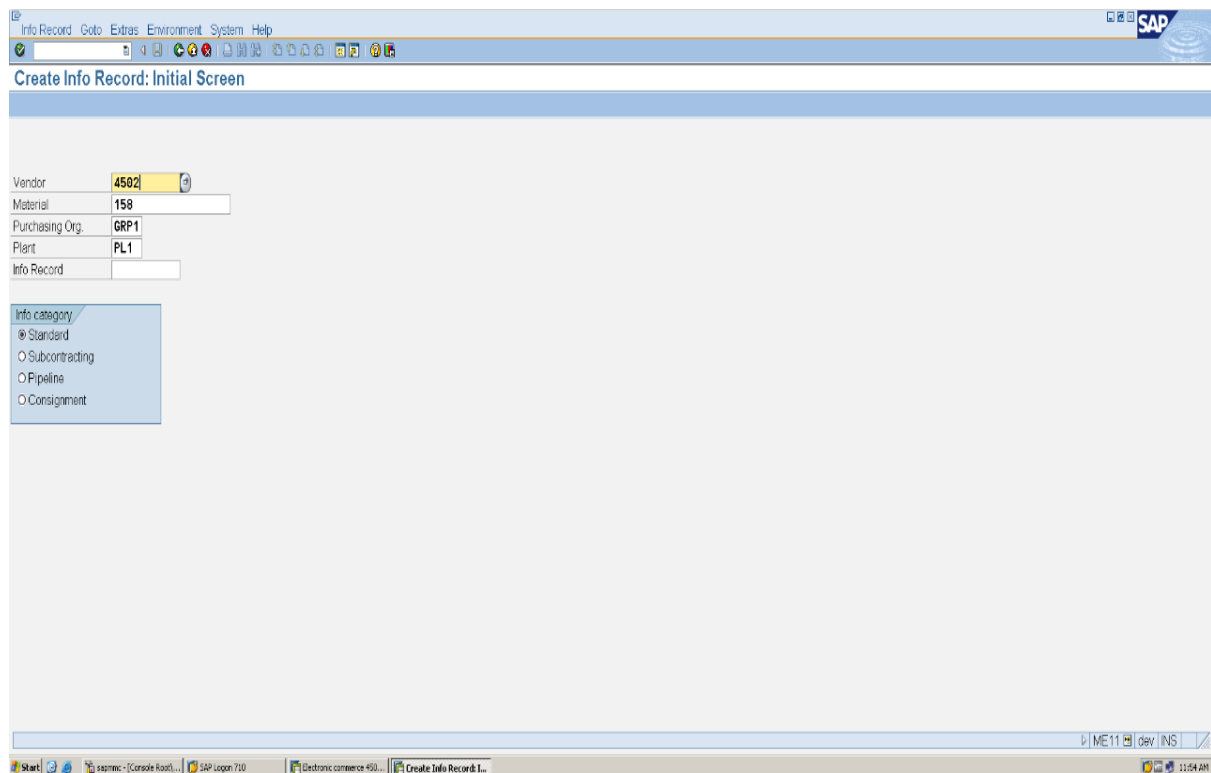
SAP MATERIAL MANAGEMENT



The screenshot shows the 'Display Vendor: Address' screen in SAP. The Vendor field is set to 4502. The Name section includes fields for Title (Company), Name (Honda), and Search Terms (Search term 1/2: HONDA). The Street Address section includes fields for Street/House number, Postal Code/City, and Country (IN - India, Region 22 - Tamil Nadu). The PO Box Address section includes fields for PO Box and Postal code. The Communication section includes fields for Language (EN English), Telephone, Fax, E-Mail, Data line, and Telebox. A message at the bottom states 'Function code cannot be selected'.

4. To set up procurement Parameters for this material, we need to create an Info record & Source list.

- To Create a Info Record Tcode as [ME11](#).
- To change any data use Tcode as [ME12](#).
- To Display the Info record as [ME13](#).



The screenshot shows the 'Create Info Record: Initial Screen' in SAP. The Vendor field is set to 4502. The Material field is set to 158. The Purchasing Org. field is set to GRP1. The Plant field is set to PL1. The Info Record field is empty. The Info category section includes radio buttons for Standard (selected), Subcontracting, Pipeline, and Consignment.

Here, create this info record with same material & vendor I Perviously used.

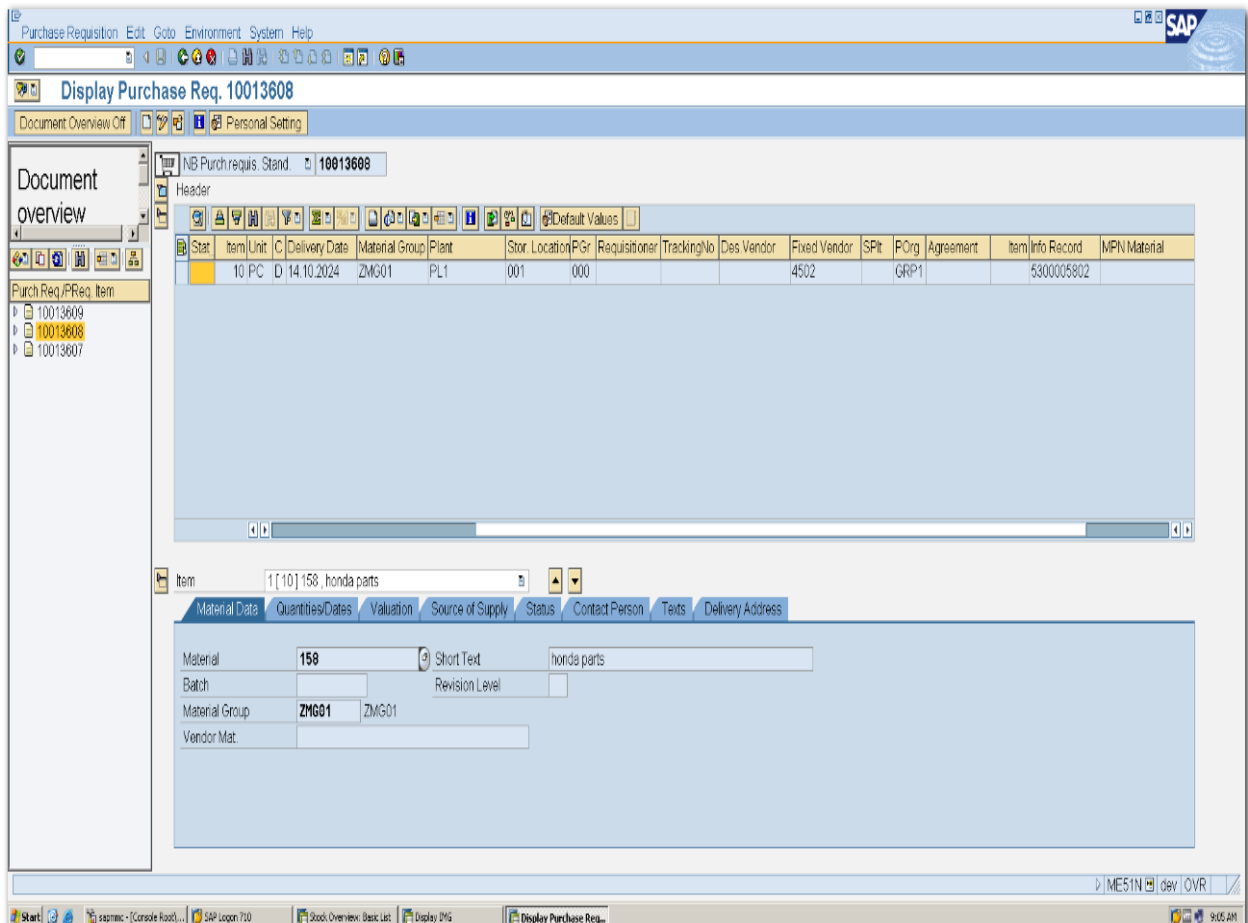
- Source list Creation process for vendor to supply a Material to Particular Plant.
 - To create a Source list Tcode as [ME01](#).
 - To edit any data use Tcode as [ME02](#).
 - To display the source list Tcode as [ME03](#).

The screenshot shows the SAP Display Source List Overview screen. At the top, there's a menu bar with options like 'Source List', 'Edit', 'Goto', 'Extras', 'Environment', 'System', and 'Help'. Below the menu bar, the title 'Display Source List: Overview Screen' is displayed. The main area contains input fields for 'Material' (set to '158') and 'Plant' (set to 'PL 1'). To the right of these fields, it says 'Find parts' and 'plant kingslanding'. Below the input fields, there's a section titled 'Source List Records' which contains a table. The table has columns: Valid from, Valid to, Vendor, POrg, PPI, OUn, Agmt, Item, Fix, Blk, MR, MRP Area. The first row of data shows '11.09.2024', '20.10.2024', '4502', 'GRP1', and '0' under the Item column. There are also checkboxes for 'Fix' and 'Blk' in the same row. The bottom status bar shows 'ME03 dev INS' and a timestamp of '11:57 AM'.

SAP MATERIAL MANAGEMENT

- Purchase Requisition(PR) is a Internal document used to request a quantity of a Material.
 - To create a PR use Tcode as [ME51N](#).
 - To edit a document Tcode as [ME52N](#).
 - For display Tcode as [ME53N](#).

Here, I'm display the pervious created PR document it has a details like Unit, Delivery date, Plant, storage, Info record, source list & other mandatory details...



The screenshot shows the SAP ME53N 'Display Purchase Requisition' screen for document 10013608. The interface includes a menu bar at the top with 'Purchase Requisition', 'Edit', 'Goto', 'Environment', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main window is titled 'Display Purchase Req. 10013608' and contains a 'Document Overview' section on the left and a 'Header' section on the right. The 'Document Overview' section shows a list of purchase requisitions: 10013609, 10013608 (selected), and 10013607. The 'Header' section displays a table with the following data:

Stat	Item	Unit	C	Delivery Date	Material Group	Plant	Stor. Location	PGr	Requisitioner	TrackingNo	Des Vendor	Fixed Vendor	SPlt	POrg	Agreement	Item	Info Record	MPN Material
	10	PC	D	14.10.2024	ZMG01	PL1	001	000				4502		GRP1			5300005802	

Below the table, the 'Item' section is visible, showing details for item 101158, 'honda parts'. The 'Material Data' tab is selected, displaying fields for Material (158), Batch, Material Group (ZMG01), and Vendor Mat. The 'Short Text' field contains 'honda parts'.

SAP MATERIAL MANAGEMENT

5. Once the Material & Vendor are established , the next step in our Procurement Process is to post the **Purchase Order(PO)**.

- To create a PO use Tcode as [ME21N](#).
- To change any data in PO Tcode as [ME22N](#).
- For to display a PO Tcode [ME23N](#).

Now I'm posting the PO using the same Material & vendor above I mentioned it.

Purchase Order Edit Goto Environment System Help

Standard PO 4500017222 Created by sapuser

Document Overview On Print Preview Messages Personal Setting

NB Standard PO 4500017222 Vendor 4502 Honda Doc. date 11.09.2024

Delivery Invoice Conditions Texts Address Communication Partners Additional Data Org. Data Status

Purch. Org. GRP1 Wabco Global P. Org.
Purch. Group 000 Chief.H
Company Code AS01 Wabco Global

St	Item	A	Material	Short Text	PO Quantity	IOUn	C	Deliv. Date	Net Price	Curre	Per	OP	Mat Group	Plant	Stor Location	Batch
	10		158	honda parts	50	PC	D	11.10.2024	10.00	INR	1	PC	ZMIG01	PL1	001	2

Add Planning

Item 1 10 158 honda parts

Material Data Quantities/Weights Delivery Schedule Delivery Invoice Conditions Purchase Order History Texts Delivery Address Confirmations Condition Control

Inv. Receipt
Final Invoice
GR-Bsd IV

Tax Code 00 Taxes

6. As a next Process is to perform a **Goods Receipt**, using the Tcode as [MIGO](#).

TO ensure after posting the PO, they are many Movement type's there like 101,201,301,102 & etc.. Now, I display the posted Goods receipt to increase the Stock use **Movement Type 101**.

Goods Receipt Settings System Help

Display Material Document 5000000094 - sapuser

Show Overview Hold Check Post Help

Not Display R02 Material Document 5000000094 2024

General Vendor Doc. Info

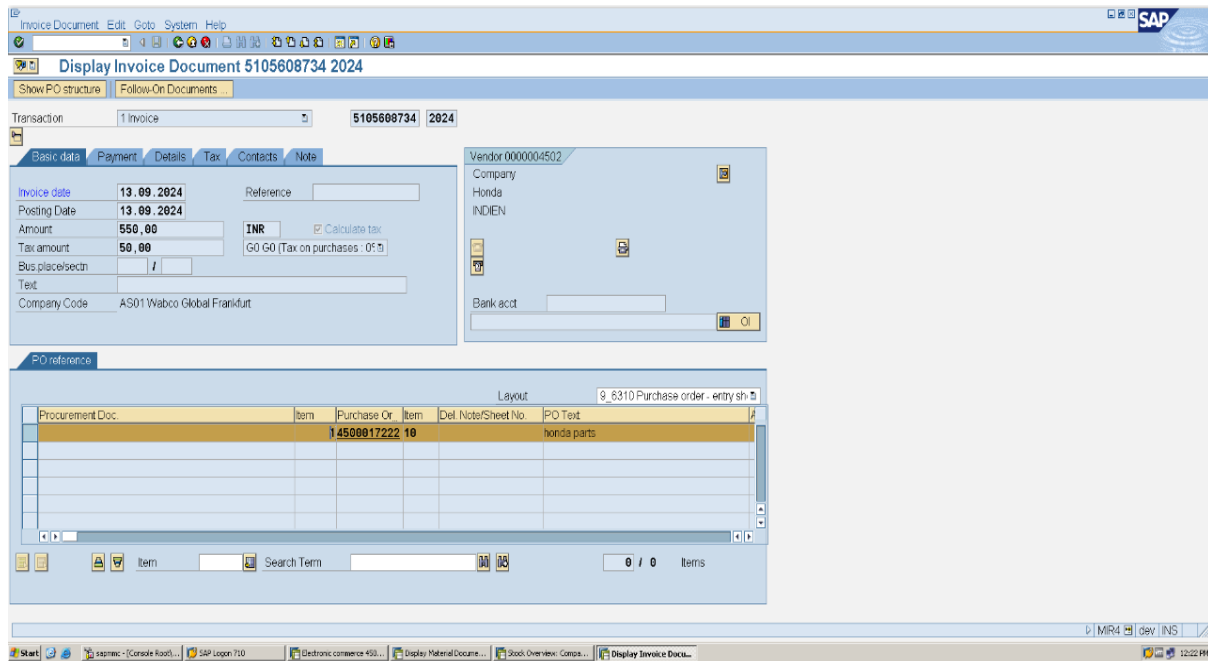
Document Date 13.09.2024 Delivery Note Vendor Honda
Posting Date 13.09.2024 Bill of Lading HeaderText
GR/IR Slip No.

Line	Mat. Short Text	Qty in UoE	EUH	SLoc	Batch	Valuation Type	Mo	D	Stock Type	Plant	Sp	Customer
1	honda parts	50	PC	Initial parts	2	101 +	Unrestricted		plant kingslandi			

Detail data

SAP MATERIAL MANAGEMENT

7. As referenced in the pervious post on Goods Receipt, I'm now display the pervious **Invoice Verification** used Tcode **MIRO**. It shows the details about material cost, posting date, Tax amount & other details...



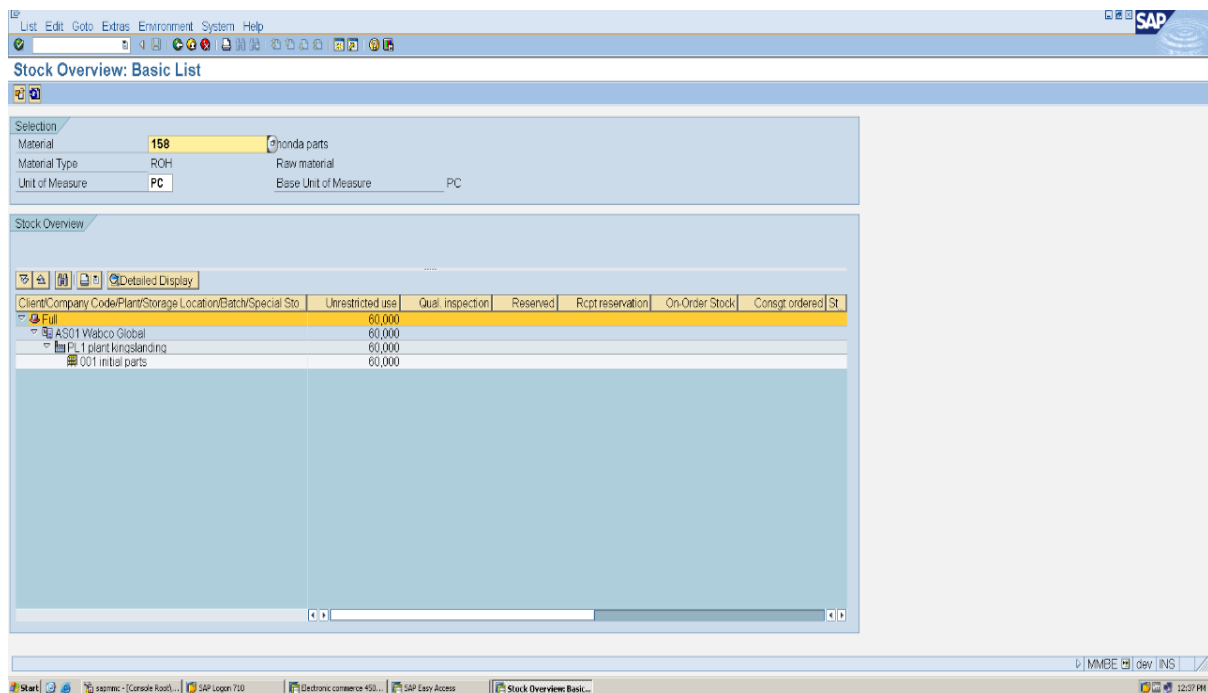
The screenshot shows the SAP MIRO (Invoice Verification) interface. The title bar indicates 'Display Invoice Document 5105608734 2024'. The main window is divided into several sections:

- Basic data:** Invoice date: 13.09.2024, Posting Date: 13.09.2024, Amount: 550.00, Tax amount: 50.00, Bus place/secn: /, Text: , Company Code: AS01 Wabco Global Frankfurt.
- Payment:** Reference: , INR, Calculate tax: ☒, GO GO (Tax on purchases: 0 of 1).
- Vendor:** Vendor 0000004502, Company: Honda, INDIEN, Bank acct: .
- PO reference:** Layout: 9_6310 Purchase order - entry sh. The table below shows the PO reference details:

Procurement Doc.	Item	Purchase Or	Item	Del Note/Sheet No.	PO Text
14500917222	10				honda parts

The bottom status bar shows 'MIRO day INS' and the time '12:22 PM'.

8. Presenting several views, including the stock view, MIGO & MIRO display.
- For view the stock use Tcode **MMBE**.



The screenshot shows the SAP MMBE (Stock Overview) interface. The title bar indicates 'Stock Overview: Basic List'. The main window is divided into several sections:

- Selection:** Material: 158, Material Type: ROH, Unit of Measure: PC, Base Unit of Measure: PC.
- Stock Overview:** A table showing the stock overview for the selected material.

Client/Company Code/Plant/Storage Location/Batch/Special Sto	Unrestricted use	Qual. inspection	Reserved	Rcpt reservation	On-Order Stock	Consgt ordered St
Full	60,000					
AS01 Wabco Global	60,000					
PL1 plant kingalindia	60,000					
001 initial parts	60,000					

The bottom status bar shows 'MMBE day INS' and the time '12:27 PM'.

SAP MATERIAL MANAGEMENT

- To view the MIGO screen use Tcode **MB51**.

The screenshot shows the SAP Material Document List (MB51) screen. The title bar includes 'Program Edit Goto System Help' and the SAP logo. The main title is 'Material Document List'. The screen is divided into several sections: 'Item Data' with fields for Material (158), Plant (PL1), Storage Location, Batch (2), Vendor (4502), Customer, Movement Type (101), and Special Stock; 'Header Data' with fields for Posting Date, User Name, Trans./Event Type, and Reference; 'Display Options' with a Layout field; 'Data Source' with checkboxes for Database, Short Documents, Reread Short Docs In Archive, and Archive Instruct.; and 'Specification of Database Access for Best Runtime' with radio buttons for Database Determines Optimum Access and Start Off with Material Number. The bottom status bar shows 'MB51 dev INS'.

- Same wise to display MIRO screen Tcode **MIR5**.

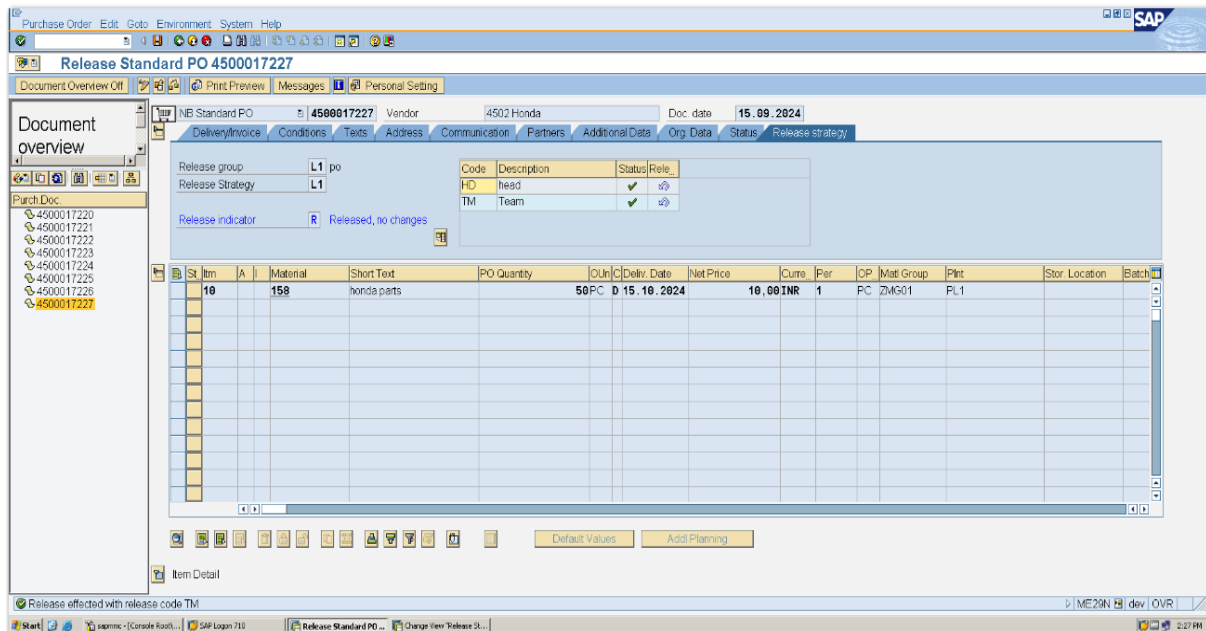
The screenshot shows the SAP Display List of Invoice Documents (MIR5) screen. The title bar includes 'Program Edit Goto System Help' and the SAP logo. The main title is 'Display List of Invoice Documents'. The screen is divided into several sections: 'Document Data' with fields for Document Number (5105608734), Fiscal Year, User, Invoicing Party, Company Code (AS01), Document Date (13.09.2024), Posting Date (13.09.2024), Document Type, Reference, Document Header Text, Gross Invoice Amount (550.00), Unplanned Del. Costs, Currency Key (INR), Exchange Rate, Day data entered, and Time of Entry (00:00:00); 'Origin and Status' with a sub-section 'Entry Type' containing checkboxes for Invoices Verified Online, Cancellation, Invoices Posted in SRM, ERS, Parked, BAPI, Background, Invoicing Plan, and EDI; and 'Invoice Status' with a checkbox for Posted. The bottom status bar shows 'MIR5 dev INS'. The taskbar at the bottom includes icons for Start, SAP Logon 7.00, Electronic commerce 450, Display Material Document, Stock Overview: Comp., and Display List of Invoice Documents.

SAP MATERIAL MANAGEMENT

9. Following the Posting the PO, I'm now Moving forward with the strategy to release the stock.

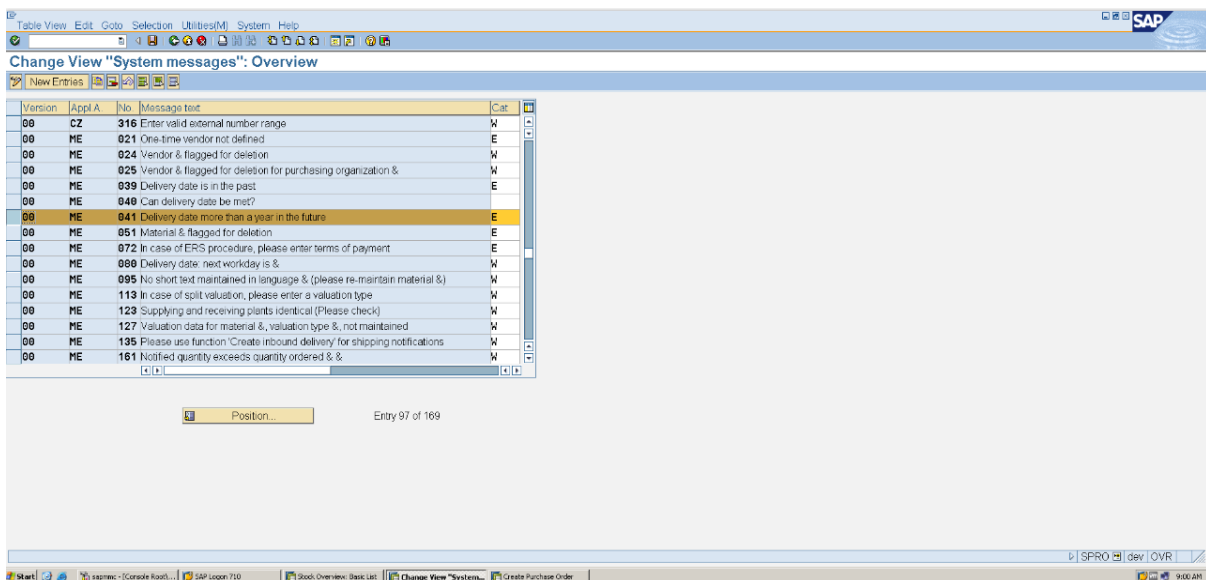
In Tcode section ->Spro->Material Management->Purchasing->Purchase Order-> release strategy. To Specifies the Release code

Use Tcode [ME29N](#).



10. Now I'm sharing the Attribute of System message is used for to change the message text as Error or warning message.

Tcode : [SM02](#) or SPRO->Material Management->Environment data->Purchasing->Attribute of system message.



SAP MATERIAL MANAGEMENT

11. Next, I proceed with Processing the RFQ(Request For Quotation, standard RFQ type as AN

- Use a TCode for to create a RFQ use [ME41](#).
- To give a vendor price use Tcode [ME47](#).
- For viewing the price comparison To use Tcode [ME49](#).

RFQ Edit Header Item Environment System Help

Create RFQ: Item Overview

RFQ: RFQ Type: AN RFQ Date: 14.09.2024
Vendor: QuotDtlm: 14.09.2024

RFQ Items

Item	Material	Short Text	RFQ Quantity	UoM	Deliv. Date	Mat. Grp	Pmt	SLoc	ID	Tex
10	158	honda parts	20	PC	20.09.2024	ZH601	PL1			
20				D		ZH601	PL1			
30				D		ZH601	PL1			
40				D		ZH601	PL1			
50				D		ZH601	PL1			
60				D		ZH601	PL1			
70				D		ZH601	PL1			
80				D		ZH601	PL1			
90				D		ZH601	PL1			
100				D		ZH601	PL1			
110				D		ZH601	PL1			
120				D		ZH601	PL1			
130				D		ZH601	PL1			
140				D		ZH601	PL1			
150				D		ZH601	PL1			
160				D		ZH601	PL1			
170				D		ZH601	PL1			
180				D		ZH601	PL1			
190				D		ZH601	PL1			
200				D		ZH601	PL1			

Item: 10

List Edit Goto Environment System Help

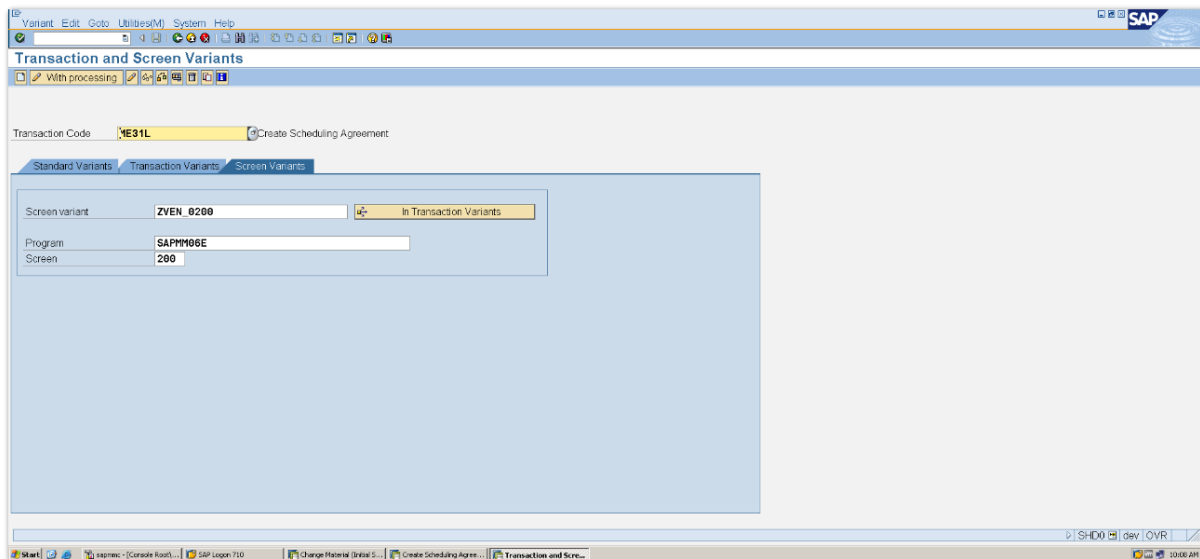
Price Comparison List in Currency INR

Quotation Material Vendor Additional Info

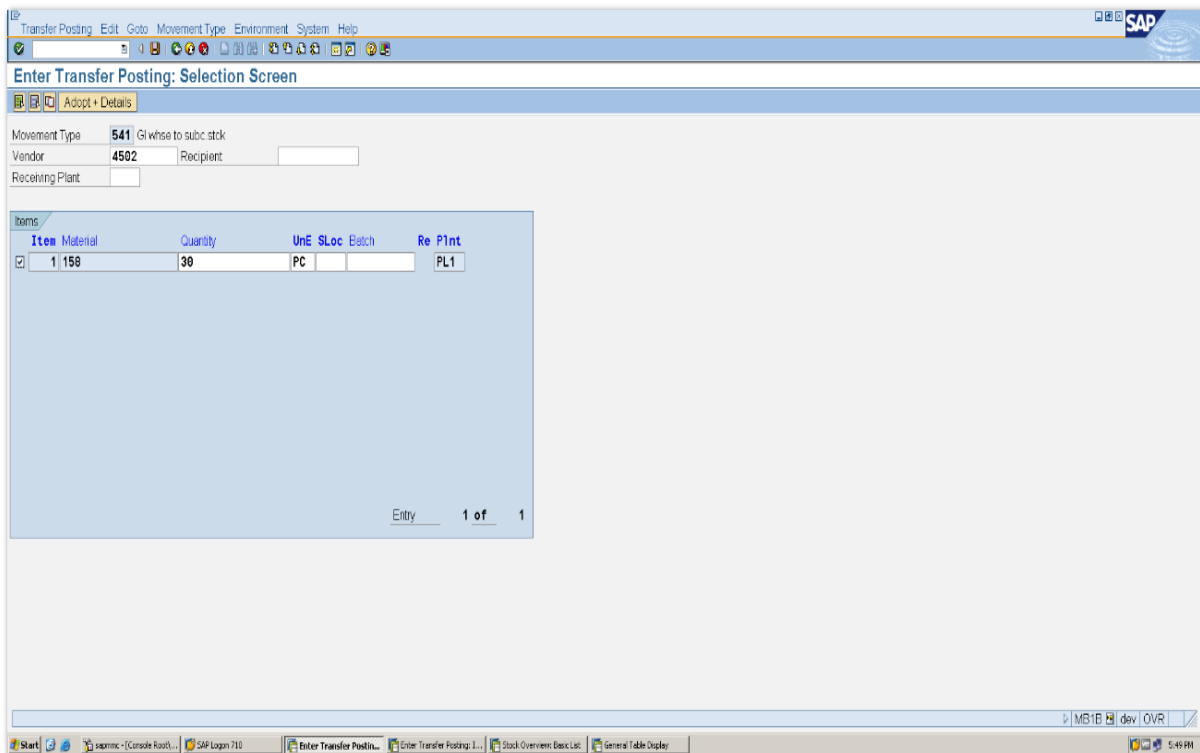
Material	Sh. Text	Qty. in Base Unit	Quot. :	Bidder:	Coll. No. :	Val. :	Price:	Rank:
158	honda parts	70 PC	6000000021	4503	500	2.000,00	40,00	80 %
160	Hero Honda parts	50 PC	6000000020	4502	500	1.500,00	30,00	60 %
Total Quot.						4.300,00		

SAP MATERIAL MANAGEMENT

12. Now, I'll be sharing a **Screen Variant** for further processing, using the Tcode **SHDO**. It used for to change the field become invisible or required field or output only.



13. Up next, I'll process the Subcontracting PO, which is one type of PO it simply to change the standard PO into Subcontracting PO in Item category change as "L" & simply give the material's in a Components Posting a Transfer(541 Movement type).



SAP MATERIAL MANAGEMENT

Transfer Posting Edit Goto Movement Type Environment System Help

Enter Transfer Posting: Initial Screen

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

Document Date: 15.09.2024 Posting Date: 15.09.2024

Material Slip: Doc Header Text: GR/IR Slip No:

Defaults for Document Items

Movement Type: 541 Special Stock: Plant: PL1 Reason for Movement: Storage Location: Suggest Zero Lines:

GR/IR Slip

Print Individual Slip Indiv Slip w/Inspect Text Collective Slip

Document: 4900000045 posted

Start SAP Logon 710 Enter Transfer Posting... Stock Overview: Basic List General Table Display

➔ To view the stock after processing the stock Transfer the materials to be Received from Vendor.

List Edit Goto Extras Environment System Help

Stock Overview: Basic List

Selection

Material: 158 Material Type: ROH Unit of Measure: PC

Stock Overview

Client/Company	Code/Plant	Storage Location	Batch	Special Sto.	Unrestricted use	Qual. inspection	Reserved	Rept reservation	On-Order Stock	Consgrt ordered	St.
Full					30.000				120.000		
AS01 Wabco Global					30.000				120.000		
PL1 plant Kinosland					30.000				120.000		
Stock Provided to Vendor					30.000						
001 Initial parts					30.000						
002					20.000						
005					10.000						

Start SAP Logon 710 Enter Transfer Posting... Transfer Posting Other... Stock Overview: Basic...

SAP MATERIAL MANAGEMENT

SOME OF THE COMMON TCODES USED IN SAP MM MODULE

- SE16N – Used for view the table to see the material details, vendor details, batch, storage location & etc... and also user to export table contents for reporting purpose.
- EC06 – To used for display Organizational structure for plant
- MASS – Used for mass maintenance of Master data.
- MMPV – Tcode for close the current period in MM an open the next period.
- MMRV – Tcode for allow the Postings in the pervious period.
- OB52- Tcode for maintain posting periods for financial accounting.
- OMBT – It allows MIRO document number range maintain.
- MBN1 – FI document number range maintain.
- FS00 – Used to create, edit, or display General Ledger(account information such as account groups, currency, tax) master records.

I have effectively practiced key SAP MM Modules, including inventory management & procurement, through hands on experience with essential Transactions and processes.

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Qualification : MCA

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