

## **SAP-PLANT MAINTENANCE MODULE (PM)**

### **Material Indenting Process in O&M**

In O&M of EHT Sub stations and lines, several materials would be required for execution of various maintenance activities. Procurement of materials required for O&M through purchase from suppliers is done either by head quarters purchase wing or the concerned zonal/circle offices depending upon the nature and value of the material items. The various materials procured for O&M are stocked in the central stores of AP Transco located in different plants.

Whenever there is requirement of any material items at field level, the concerned field engineers would raise material indents for withdrawing same from central stores. In case of centrally procured materials, the head quarters transmission wing and in case of non centralized items, the concerned zonal office would make the allotments against the indents raised by field engineers.

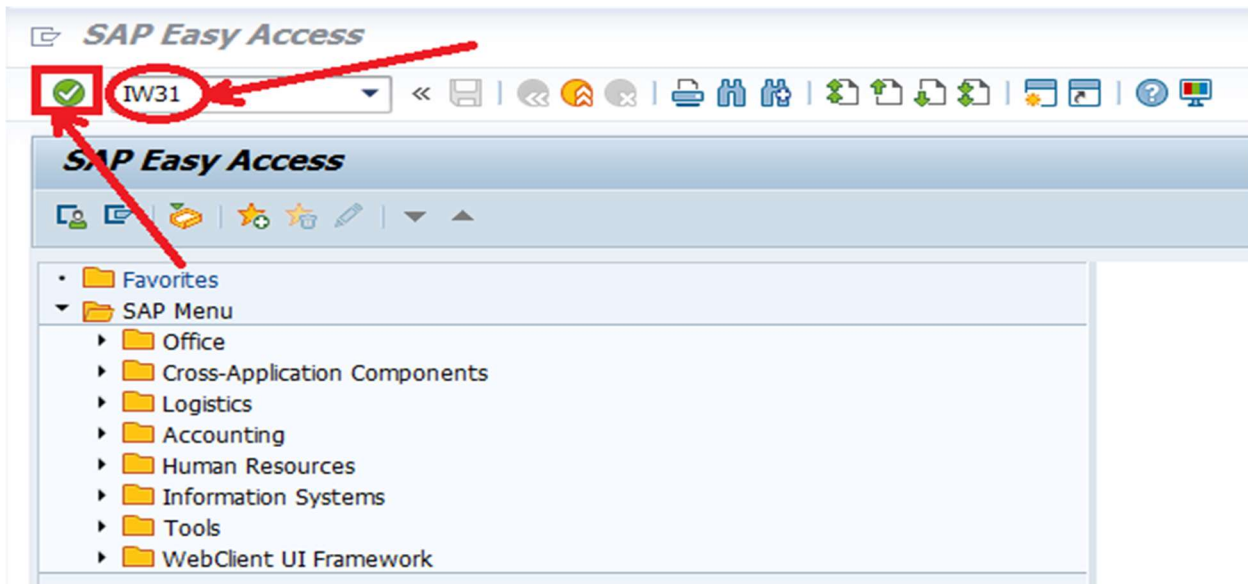
Based on the material allotment orders, the concerned central stores officials would issue the materials to the O&M wings. After consumption of materials, field O&M wings would book the materials' cost to the respective works.

In SAP all the O&M expenditure towards consumption of materials and availing external services are booked to the concerned sub division cost centers through maintenance orders. The entire process of material indenting, allotment, issue by stores and booking to the cost center is carried out through maintenance order only. Hence in O&M, creation of maintenance order is mandatory wherever expenditure is involved.

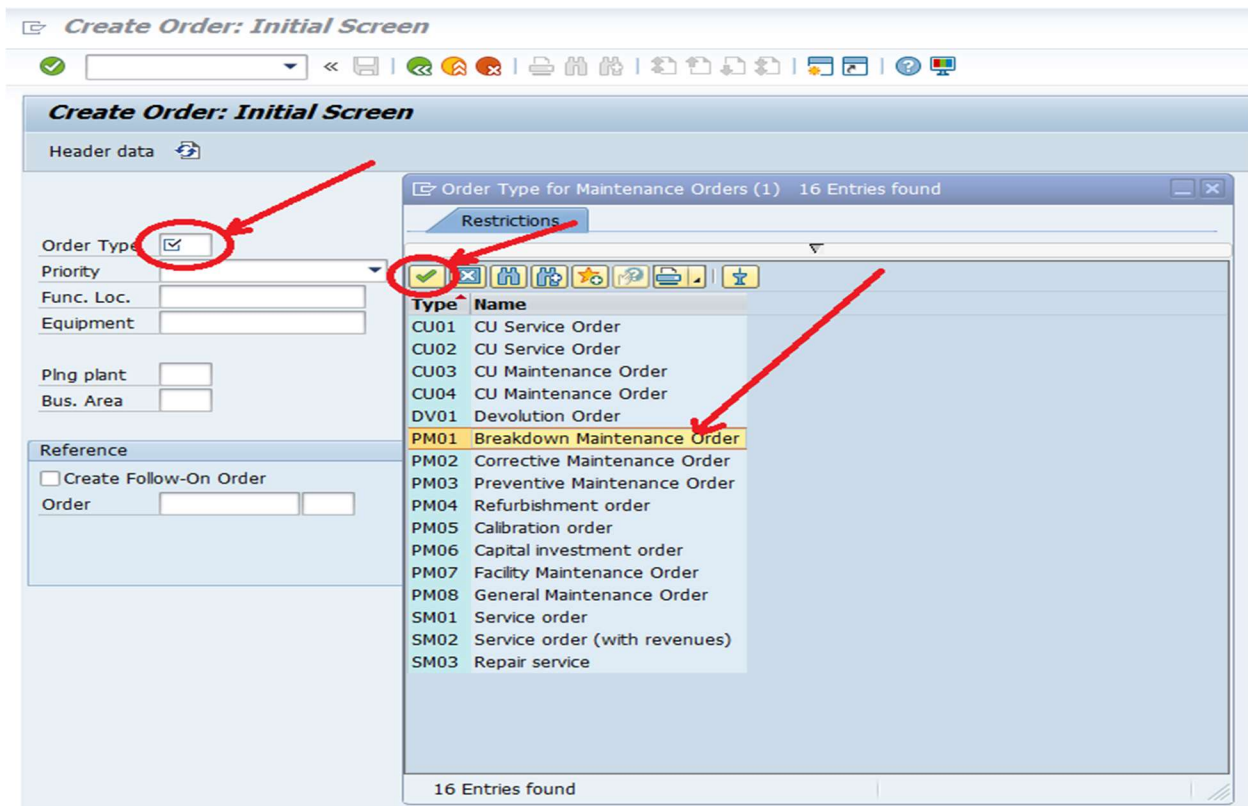
In this document, step by step procedure of creation of maintenance order and material indent is explained in detail with SAP screen shots.

#### **Creation of Maintenance Order:**

**STEP-1:** Enter T-Code **IW31** in the command field and click **enter** button as indicated below.



**STEP-2:** In the create order window displayed, order type field is a mandatory field. Beside this field there is search button available. If the search button is clicked, a pop up window as shown below would appear. Select the appropriate order type from the list and click **enter** button as indicated below.



**STEP-3:** Through the down arrow available in priority field select the priority of the proposed work (i.e very high, high, medium and low) as indicated below.

The screenshot shows the 'Create Order: Initial Screen' window. The 'Priority' dropdown menu is open, and '2 High' is selected. A red arrow points to the '2 High' option. The 'Order Type' is 'PM01'. The 'Func. Loc.' field is empty. The 'Equipment' field is empty. The 'Plng plant' and 'Bus. Area' fields are empty. The 'Reference' section has checkboxes for 'Create Follow-On Order', 'Operations', 'Components', 'Relationships', and 'Document Links'. The 'Operations' and 'Components' checkboxes are checked.

**STEP-4:** In the next field, the **ID** of the concerned functional location wherein the works are carried out should be entered. It can be selected through the search button available beside the field.

Click the search button as indicated below.

The screenshot shows the 'Create Breakdown Maintenance Order: Initial Screen' window. The 'Func. Loc.' field is highlighted with a yellow background, and a red arrow points to the search button (magnifying glass icon) next to it. The 'Order Type' is 'PM01'. The 'Priority' dropdown menu is open, and '2 High' is selected. The 'Equipment' field is empty. The 'Plng plant' and 'Bus. Area' fields are empty. The 'Reference' section has checkboxes for 'Create Follow-On Order', 'Operations', 'Components', 'Relationships', and 'Document Links'. The 'Operations' and 'Components' checkboxes are checked.

**STEP-5:** In the display functional location screen, the concerned **maintenance plant** and **plant section** (i.e sub station) may be entered in the **location data** as shown in the below screen shot, in order to fetch only the functional locations available in the selected substation. Substation bays are the functional locations under substation. Hence the functional locations of various bays in the SS can be fetched through this query.

**Display Functional Location: Functional Location Selection**

Length to  
Unit of Measure to  
Linear Reference Pattern to

**Maintenance Data**

FunctLocDescrip. to  
Planning plant to  
Planner group to  
Construction type to  
Catalog profile to  
AuthorizGroup to  
Business Area to  
Main work center to  
Reference location to  
FunctLocCategory to  
Permit to

**Location Data/Account Assignment**

Maintenance plant S105 to  
Location to  
Room CKL to  
Plant section to  
Work center to  
ABC indicator to  
Sort field to  
Controlling Area to

**STEP-6:** Click **execute** button as indicated below.

**Display Functional Location: Functional Location Selection**

Length to  
Unit of Measure to  
Linear Reference Pattern to

**Maintenance Data**

FunctLocDescrip. to  
Planning plant to  
Planner group to  
Construction type to  
Catalog profile to  
AuthorizGroup to  
Business Area to  
Main work center to  
Reference location to  
FunctLocCategory to  
Permit to

**Location Data/Account Assignment**

Maintenance plant S105 to  
Location to  
Room CKL to  
Plant section to  
Work center to  
ABC indicator to  
Sort field to  
Controlling Area to

**STEP-7:** In the functional location list displayed, select the bay functional location wherein work is proposed to be taken up and click **enter** button as shown below. It may be noted that in the present example we are proposing to carry out work in the **220kv VTPS feeder bay-1** in **Chillakallu Sub station**.



Display Functional Location: Functional Location List

Display Functional Location: Functional Location List

Layout for Characteristics

Plnt	Functional Location	Description of functional location
5105	FB-132KV-CHKL-KDAD-01	FB-132KV-CHILLAKALLU-KODAD-01
5105	FB-132KV-CHKL-KHAM-01	FB-132KV-CHILLAKALLU-KHAMMAM-01
5105	FB-132KV-CHKL-KSMI-01	FB-132KV-CHILLAKALLU-KUSIMANCHI-01
5105	FB-132KV-CHKL-MDRA-01	FB-132KV-CHILLAKALLU-MADHIRA-01
5105	FB-132KV-CHKL-NDGM-01	FB-132KV-CHILLAKALLU-NANDIGAMA-01
5105	FB-132KV-CHKL-RLYF-01	FB-132KV-CHILLAKALLU-RAILWAY TRCTN-01
5105	FB-132KV-CHKL-RLYF-02	FB-132KV-CHILLAKALLU-RAILWAY TRCTN-02
5105	FB-132KV-CHKL-RMCO-01	FB-132KV-CHILLAKALLU-RAMCO CEMNTS-01
5105	FB-132KV-CHKL-RPRM-01	FB-132KV-CHILLAKALLU-RAMAPURAM-01
5105	FB-132KV-CHKL-SPRM-01	FB-132KV-CHILLAKALLU-SEETHAPURAM-01
5105	FB-220KV-CHKL-KDPL-01	FB-220KV-CHILLAKALLU-KONDAPALLY-01
5105	FB-220KV-CHKL-KDPL-02	FB-220KV-CHILLAKALLU-KONDAPALLY-02
5105	FB-220KV-CHKL-NKPL-01	FB-220KV-CHILLAKALLU-NARKET PALLI-01
5105	FB-220KV-CHKL-SRPT-01	FB-220KV-CHILLAKALLU-SURYAPET-01
5105	FB-220KV-CHKL-VTPS-01	FB-220KV-CHILLAKALLU-VTPS-01
5105	FB-220KV-CHKL-VTPS-02	FB-220KV-CHILLAKALLU-VTPS-02
5105	FB-33KV-CHKL-ANPL-01	FB-33KV-CHILLAKALLU-ANUMANCHIPALLI-01
5105	FB-33KV-CHKL-BLPD-01	FB-33KV-CHILLAKALLU-BALASUPADU-01
5105	FB-33KV-CHKL-CHKL-01	FB-33KV-CHILLAKALLU-CHILLAKALLU-01
5105	FB-33KV-CHKL-HCAG-01	FB-33KV-CHILLAKALLU-HCL AGRO-01
5105	FB-33KV-CHKL-HCLF-01	FB-33KV-CHILLAKALLU-HEMADRI CEMNT-01
5105	FB-33KV-CHKL-HRTX-01	FB-33KV-CHILLAKALLU-HARINI TEXTILES-01
5105	FB-33KV-CHKL-JPTF-01	FB-33KV-CHILLAKALLU-JAGGAIAHPET-01
5105	FB-33KV-CHKL-LNGL-01	FB-33KV-CHILLAKALLU-LINGALA-01
5105	FB-33KV-CHKL-PPRL-01	FB-33KV-CHILLAKALLU-PENUGANCHI PROLU-01
5105	FB-33KV-CHKL-SAIL-01	FB-33KV-CHILLAKALLU-SAIL-01
5105	SS-220KV-CHKL	CHILLAKALLU -220/132/33KV-SS

**STEP-8:** The selected functional location would be entered in the create maintenance order screen as shown below. Now click **enter** button as indicated below.

Create Breakdown Maintenance Order: Initial Screen

Create Breakdown Maintenance Order: Initial Screen

Header data

Order Type: PM01

Priority: 2 High

Func. Loc.: FB-220KV-CHKL-VTP...

Equipment:

Plng plant:

Bus. Area:

Reference

☐ Create Follow-On Order

Order:

☒ Operations

☒ Components

☐ Relationships

☐ Document Links

**STEP-9:** In the central header screen, enter the description of work within 40 characters and click **enter**, as shown below.

**Create Breakdown Maintenance Order : Central Header**

Order: PM01 \$000000000001 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRTD MANC NTUP

HeaderData Operations Components Costs Partner Objects Additional Data

Person responsible  
 PlannerGrp: MOS / 5105 MNT1 2CHILLAKALLU  
 Mn.wk.ctr: MNT / 5105 MAINTENANCE  
 Person resp...

Notificatn: \$000000000001  
 Costs: INR  
 PMActType: BD Break Down  
 SystCond.:  
 Address:

Dates  
 Bsc start: 20.08.2018 Priority: 2 High  
 Basic fin.: 20.08.2018 Revision:

Reference object  
 Func. Loc.: FB-220KV-CHKL-VTP... FB-220KV-CHILLAKALLU-VTPS-01  
 Equipment:

Malfnctn data Damage Notif. dates  
 Malf.start: 20.08.2018 12:32:37 Breakdown

### Creation of Material Indent:

**STEP-10:** For raising material indent, click **components** tab as indicated below.

**Create Breakdown Maintenance Order : Central Header**

Order: PM01 \$000000000001 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRTD MANC NTUP

HeaderData Operations **Components** Costs Partner Objects Additional Data Location Planning Control Other Details

Person responsible  
 PlannerGrp: MOS / 5105 MNT1 2CHILLAKALLU  
 Mn.wk.ctr: MNT / 5105 MAINTENANCE  
 Person resp...

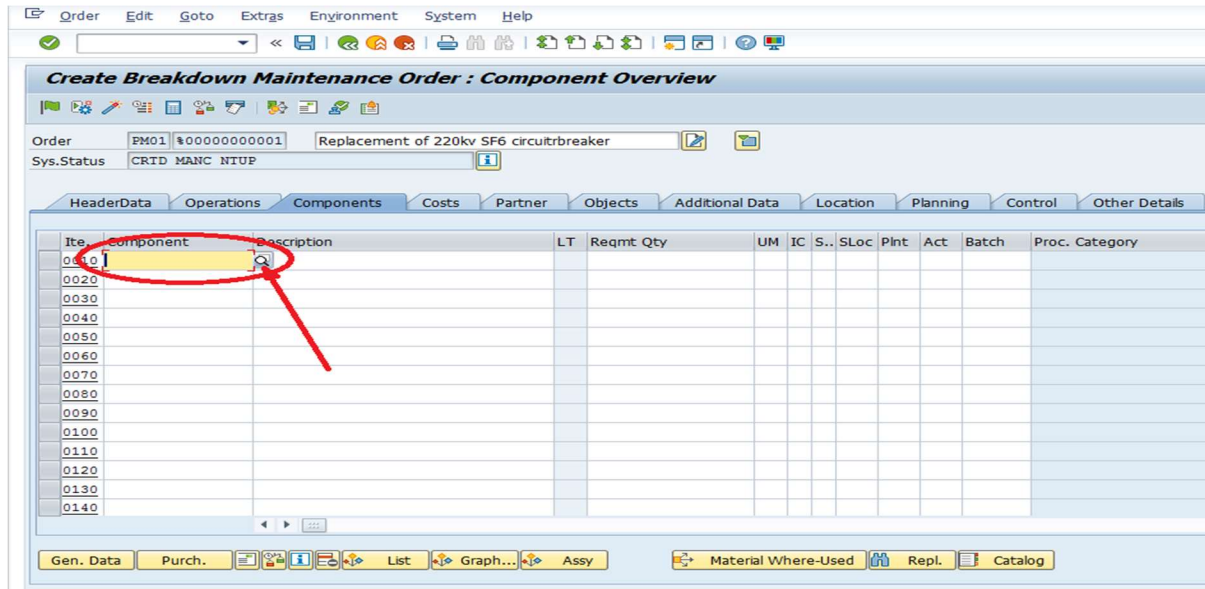
Notificatn: \$000000000001  
 Costs: INR  
 PMActType: BD Break Down  
 SystCond.:  
 Address:

Dates  
 Bsc start: 20.08.2018 Priority: 2 High  
 Basic fin.: 20.08.2018 Revision:

Reference object  
 Func. Loc.: FB-220KV-CHKL-VTP... FB-220KV-CHILLAKALLU-VTPS-01  
 Equipment:

Malfnctn data Damage Notif. dates  
 Malf.start: 20.08.2018 12:32:37 Breakdown

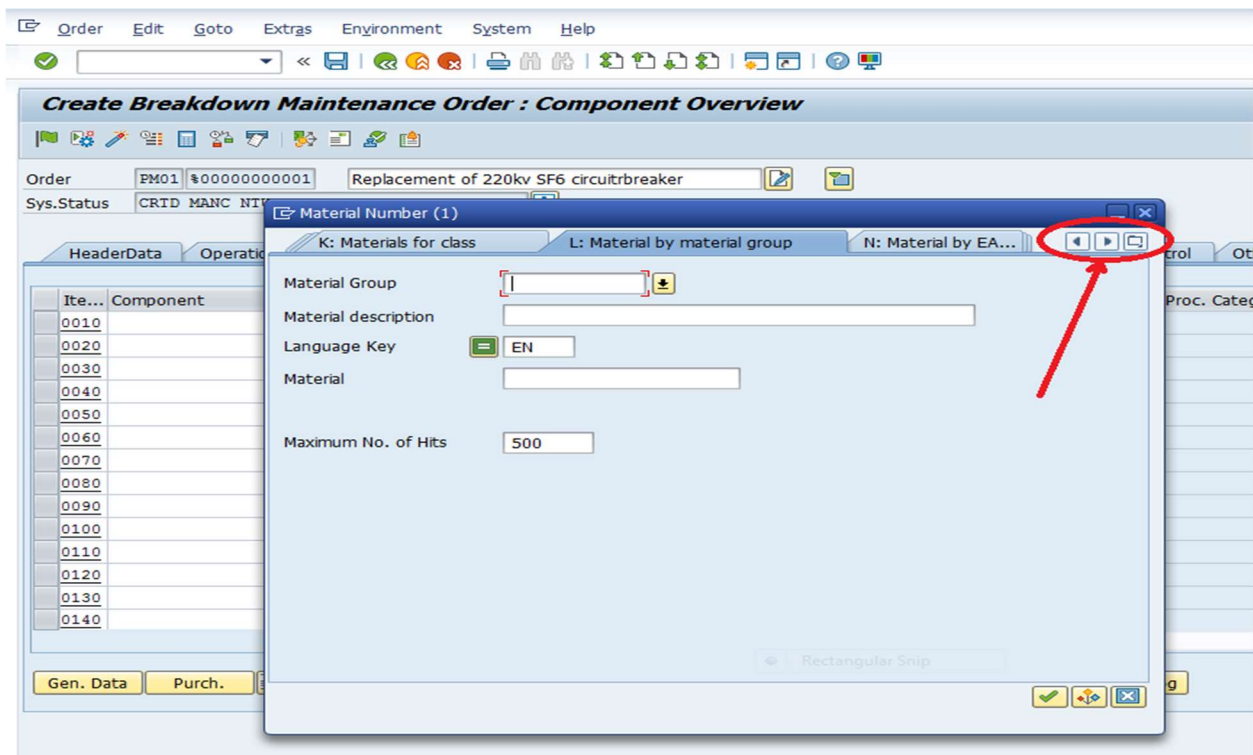
**STEP-11:** Click **search** button beside '**component**' field as indicated below.



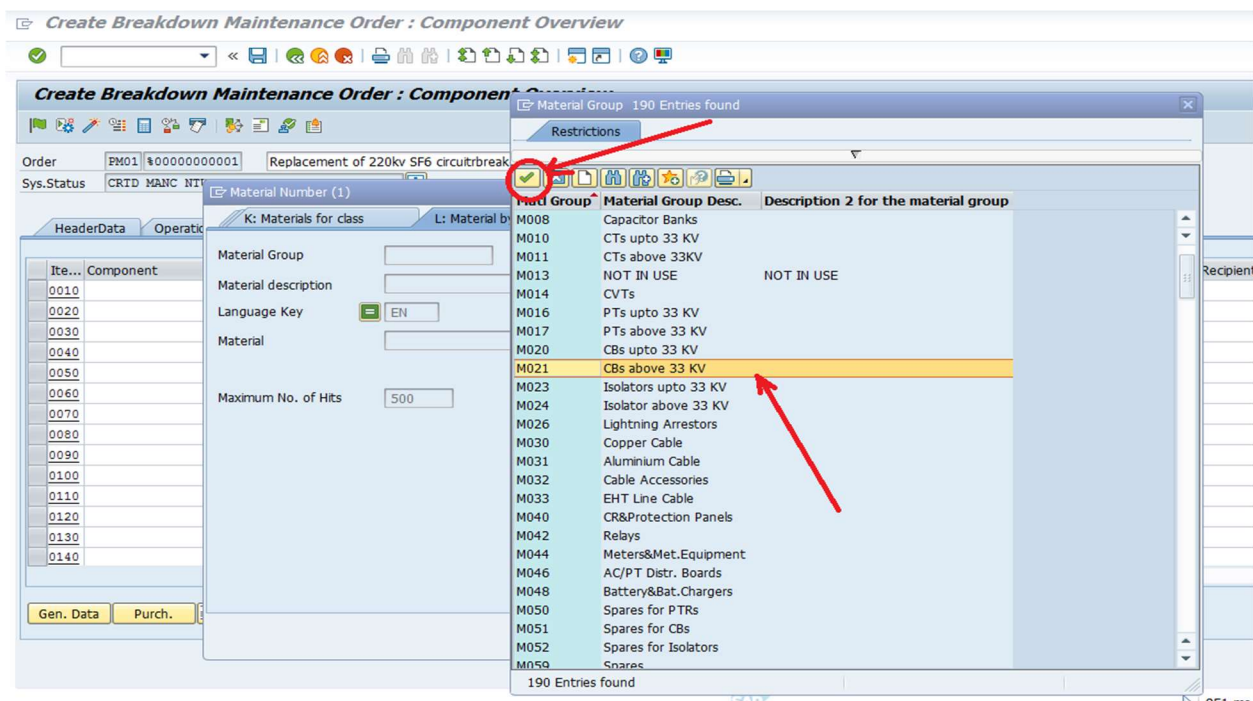
**STEP-12:** After clicking the search button (or pressing F4), a pop-up window as shown below, will be displayed. This window provides options for conducting your search. There are several tabs available, which give different search options.

Note the three buttons in the upper right corner. The left arrow will bring the previous tab to the front, the right arrow brings the next tab to the front, and the selection list displays a listing of all available tabs and allows you to choose which to bring to the front.

Select the search option **L** for selection of **materials by material group**, as shown below.

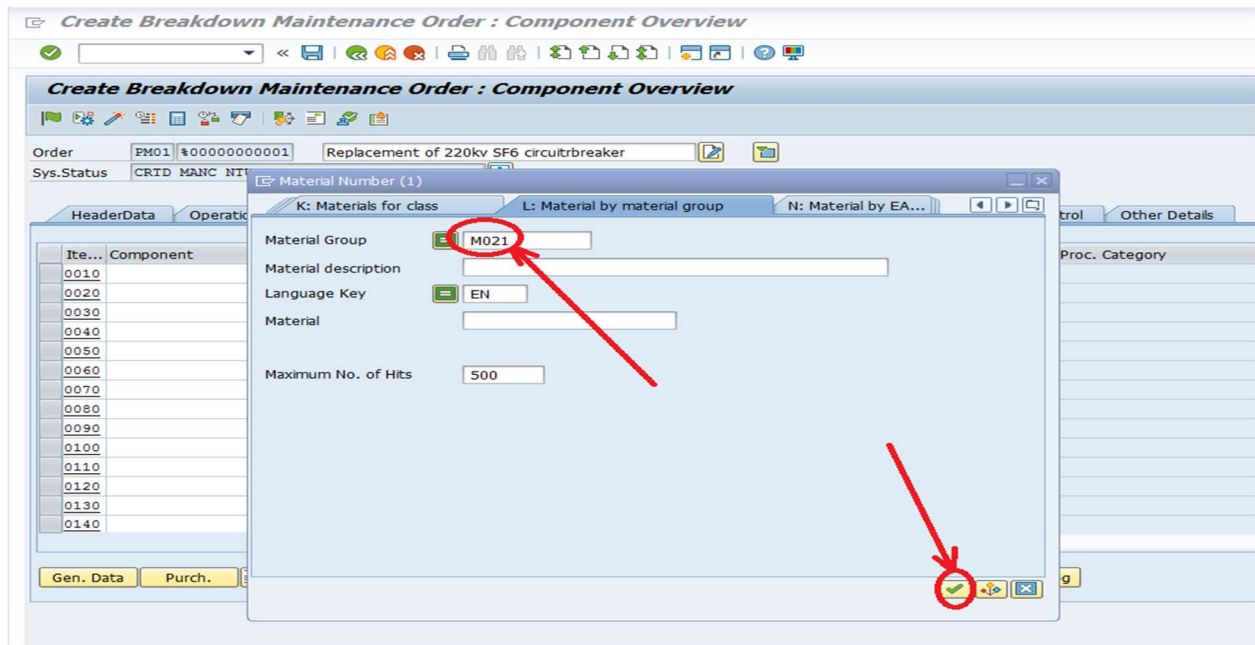


**STEP-13:** Click down arrow beside **material group** field and select the appropriate material group and click **enter** button as indicated below.

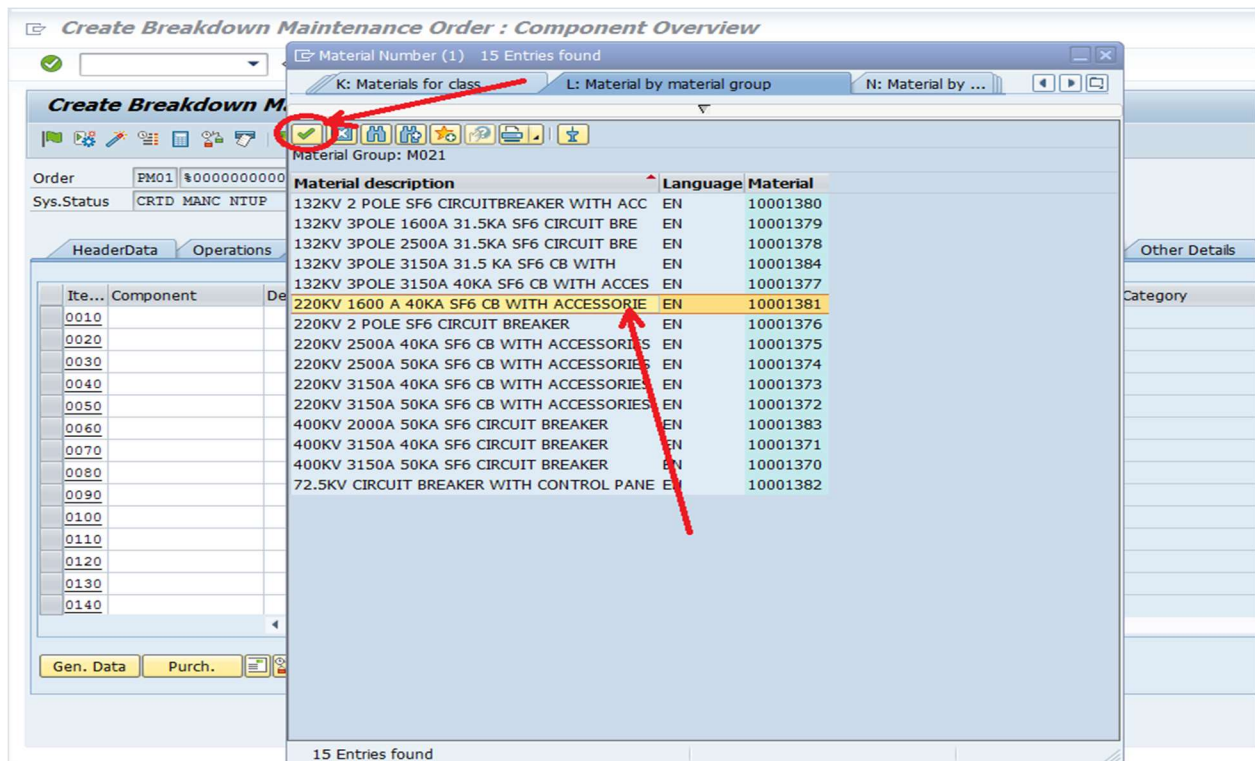


**STEP-14:** The material group selected would be updated in the **material group** field as shown below. Now click **enter** button as indicated below.

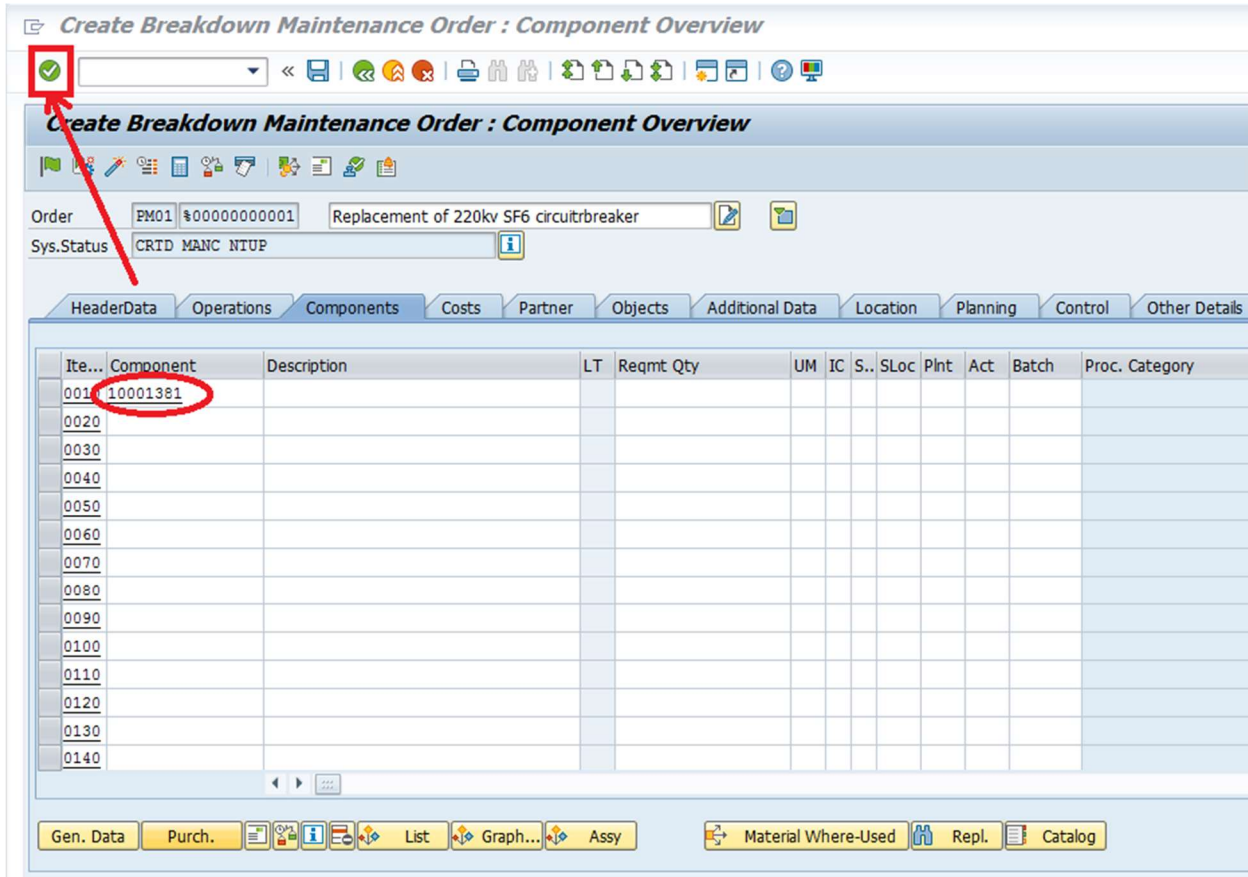




**STEP-15:** Select the require material and click **enter** button as shown below.



**STEP-16:** The selected material number would be updated in the components tab as shown below. Now click **enter** button as indicated below.



The screenshot shows the SAP 'Create Breakdown Maintenance Order : Component Overview' interface. At the top, there is a header bar with the title and a toolbar. Below the header, there are input fields for 'Order' (PM01 \$000000000001) and 'Sys.Status' (CRID MANC NTUP). The main area contains a tabbed interface with 'Components' selected. A table with columns 'Ite...', 'Component', 'Description', 'LT', 'Reqmt Qty', 'UM', 'IC', 'S..', 'SLoc', 'Plnt', 'Act', 'Batch', and 'Proc. Category' is displayed. The first row of the table has '001' in the 'Ite...' column and '10001381' in the 'Component' column, which is circled in red. A red arrow points from a green checkmark icon in the top left toolbar to this 'Component' field.

**STEP-17:** It may be noted that **Description, item category, storage location and plant** fields are updated by the system. Item category '**L**' indicates that material is stock material i.e it is stocked as inventory in stores. Also there are certain materials which are consumed as soon as they are received from supplier. Unlike stock materials, they are not stocked as inventory items (Eg: Stationery items). They are called non stock materials and their item category is denoted as '**N**'.

In SAP MM module, valuation types **Damaged, Irreparable, New, Refurbished** and **Used** are defined for all equipment material items only. For materials other than equipment, valuation types are not defined.

In case the indented material item is a one defined with valuation types, the system throws a pop up message asking to enter valuation type of indented material item.

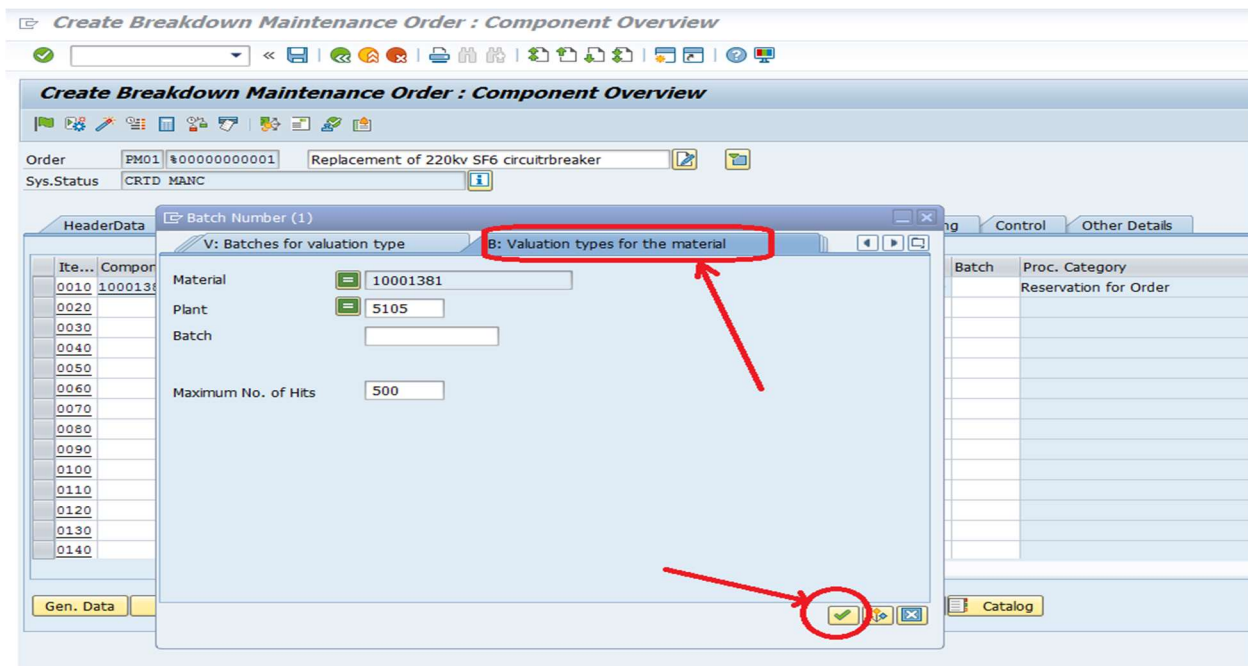
.

In the present example, since material being indented is 220KV Circuit Breaker, system has asked to enter valuation type. Click the **enter** button in the pop up message window and click the search button beside **batch** field as indicated below.

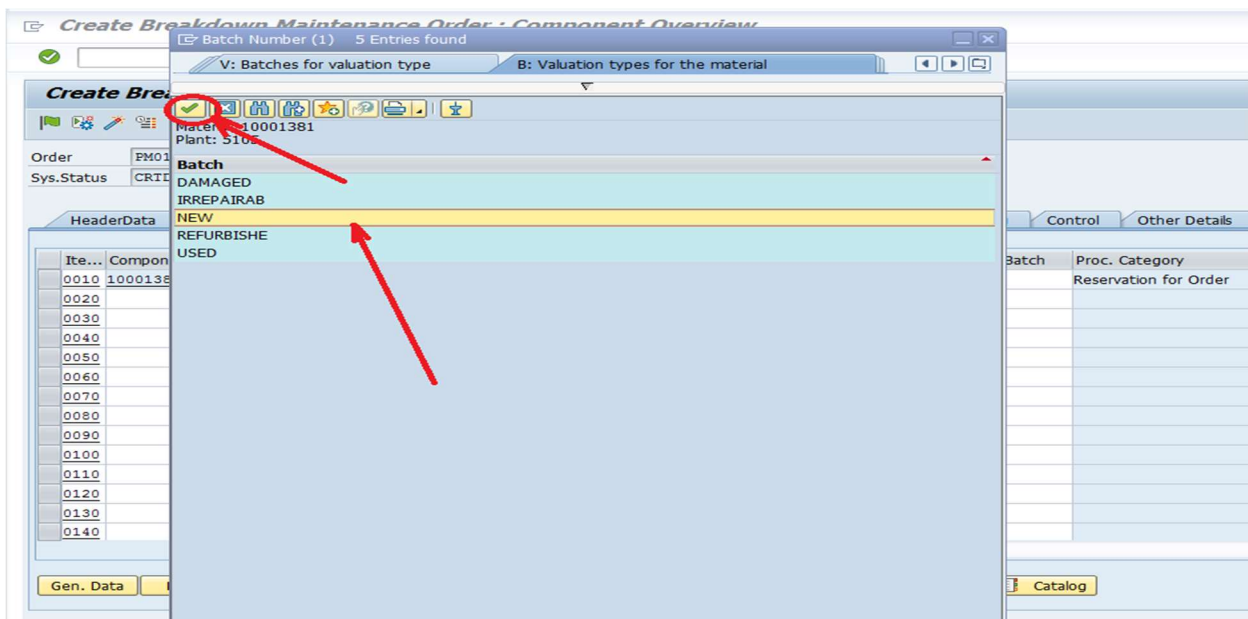
The screenshot shows the SAP 'Create Breakdown Maintenance Order : Component Overview' window. The 'Order' field contains 'PM01' and the 'Description' is 'Replacement of 220kv SF6 circuitbreaker'. The 'Sys.Status' is 'CRID MANC NIUP'. The 'Components' tab is active, showing a table with columns: It..., Component, Description, LT, Reqmt Qty, UM, IC, S., SLoc, Plnt, Act, Batch, and Proc. Category. The first row (0010) shows material 10001381 with description '220KV 1600 A 40KA SF6 CB WITH ACCE...' and a 'Batch' field. The 'Batch' field is highlighted with a red circle and an arrow. A pop-up 'Information' window is open, displaying the message: 'Enter a valuation type for material 10001381 in the "Batch" field'. The 'enter' button (green checkmark) in the pop-up is also highlighted with a red circle and an arrow.

It...	Component	Description	LT	Reqmt Qty	UM	IC	S.	SLoc	Plnt	Act	Batch	Proc. Category
0010	10001381	220KV 1600 A 40KA SF6 CB WITH ACCE...						B202	5105			
0020												
0030												
0040												
0050												
0060												
0070												
0080												
0090												
0100												
0110												
0120												
0130												
0140												

**STEP-18:** In the search window click **enter** button as shown below.



**STEP-19:** Select valuation type **New** and click **enter** button as indicated below if indent is for a new breaker.



**STEP-20:** Now it may be noted that **valuation type (Batch)** and **unit of measurement (UM)** fields are updated as shown below.

**Create Breakdown Maintenance Order : Component Overview**

Order: PM01 %00000000001 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRID MANC

HeaderData Operations Components Costs Partner Objects Additional Data Location Planning Control Other Details

Ite...	Component	Description	LT	Reqmt Qty	UM	IC	S..	SLoc	Plnt	Act	Batch	Proc. Category
0010	10001381	220KV 1600 A 40KA SF6 CB WITH ACCE...			SET L			B202	S105	0010	NEW	Reservation for Order
0020									S105			
0030									S105			
0040									S105			
0050									S105			
0060									S105			
0070									S105			
0080									S105			
0090									S105			
0100									S105			
0110									S105			
0120									S105			
0130									S105			
0140									S105			

Gen. Data Purch. List Graph... Assy Material Where-Used Repl. Catalog

**STEP-21:** Enter the requirement quantity and click enter button as indicated below.

**Create Breakdown Maintenance Order : Component Overview**

Order: PM01 %00000000001 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRID MANC

HeaderData Operations Components Costs Partner Objects Additional Data Location Planning Control Other Details

Ite...	Component	Description	LT	Reqmt Qty	UM	IC	S..	SLoc	Plnt	Act	Batch	Proc. Category
0010	10001381	220KV 1600 A 40KA SF6 CB WITH ACCE...			SET L			B202	S105	0010	NEW	Reservation for Order
0020									S105			
0030									S105			
0040									S105			
0050									S105			
0060									S105			
0070									S105			
0080									S105			
0090									S105			
0100									S105			
0110									S105			
0120									S105			
0130									S105			
0140									S105			

Gen. Data Purch. List Graph... Assy Material Where-Used Repl. Catalog

**STEP-22:** Click **Other Details/Enhancements** tab as shown below.



Create Breakdown Maintenance Order : Component Overview

Order: FM01 \$000000000001 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRID MANC

HeaderData Operations Components Costs Partner Objects Additional Data Location Planning Control **Other Details**

Ite...	Component	Description	LT	Reqmt Qty	UM	IC	S..	SLoc	Pnt	Act	Batch	Proc. Category
0010	10001381	220KV 1600 A 40KA SF6 CB WITH ACCE...			2	SET	L		B202	S105	0010	NEW
0020									S105			Reservation for Order
0030									S105			
0040									S105			
0050									S105			
0060									S105			
0070									S105			
0080									S105			
0090									S105			
0100									S105			
0110									S105			
0120									S105			
0130									S105			
0140									S105			

Gen. Data Purch. List Graph... Assy Material Where-Used Repl. Catalog

**STEP-23:** In this tab page, all the steps in the process of indent and allotment till the material is received from stores to the local storage location can be tracked, as follows.

- As soon as a material item is entered in the **components tab** as explained above, a stock report gets populated against **components stock** as shown below. If the **execute button** is clicked the stock report indicating available stock of the material item across various **plants** can be viewed.
- After **release of maintenance order** by concerned Executive Engineer, **system creates an indent**. An **execute button** is populated against **Indent**. By clicking the **execute button**, the details of indent can be viewed.
- After **allotment of material against indent by allotment authority**, **Allotment Status** and **Outbound Delivery** fields are populated. By clicking respective buttons, details of same can be viewed.
- After **issue of material by stores authorities**, **PGI-Issue from store** field is populated. By clicking this button, details of concerned material document generated can be viewed.
- After **receipt of material into local storage location of indenting authority**, **MIGO-Mat.receipt** field gets populated. By clicking this button, details of concerned material document generated can be viewed.

**Create Breakdown Maintenance Order : Central Header**

Order: FM01 %000000000001 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRID MANC

HeaderData Operations Components Costs Partner Objects Additional Data Location Planning Control Other Details

**ALLOTMENT DETAILS**


Indent ☐

Allotment Status ☐

Outbound Delivery ☐

PGI-Issue from store ☐

MIGO-Mat. receipt ☐

Components Stock ☒ 

Now click **components stock** button.

**STEP-24:** As shown below, the stock report would be displayed. **In case multiple materials are entered in components tab, stock report would indicate stock position of all the indented material items.** After viewing stock report click **back** button as indicated below.

**MM STPO Stock Reoprt**

**MM STPO Stock Reoprt**

Material	Material Desc	Plant	Plant Name	WBS ID	Qty in Hand	UOM	Qty Reserved	Reserved in	Desc Net Qty	UOM
10001381	220KV 1600 A 40KA SF6 CB WITH ACCESSORIE	1040	TLC Stores - Gunadala		4.000	SET			4.000	SET
									4.000	
		3312	SE/400KV/OMC/Vijayawada	SI-14-07-06-2-01-11	8.000	SET			8.000	SET
									8.000	
		3315	SE/400KV/OMC/Kadapa	PE-16-02-01-1-01-01	8.000	SET			8.000	SET
									8.000	

**STEP-25:** Click **Components** tab

**Create Breakdown Maintenance Order : Central Header**

Order: PM01 \$000000000001 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRTD MANC

HeaderData Operations **Components** Costs Partner Objects Additional Data Location

**ALLOTMENT DETAILS**

Indent	<input type="checkbox"/>
Allotment Status	<input type="checkbox"/>
Outbound Delivery	<input type="checkbox"/>
PGI-Issue from store	<input type="checkbox"/>
MIGO-Mat. receipt	<input type="checkbox"/>
Components Stock	<input checked="" type="checkbox"/>

**STEP-26:** It may be noted that in the components tab, the material items are indented against each of the activity incorporated in **Operations** tab.

By default, system considers the **short description** text of maintenance order as the first activity in the **operations** tab as shown in second screen shot below. Since there is only one activity in operations tab, system has automatically taken that activity i.e **0010** in **components** tab as shown in below screen shot.

In case there are multiple activities in the operations tab, system would ask to indicate the activity number against which a material item is indented.

**Create Breakdown Maintenance Order : Component Overview**

Order: PM01 %000000000001 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRTD MANC

HeaderData Operations Components Costs Partner Objects Additional Data Location Planning Control Other Details

Ite...	Component	Description	LT	Reqmt Qty	UM	IC	S...	SLoc	Plnt	Act	Batch	Proc. Category
0010	10001381	220KV 1600 A 40KA SF6 CB WITH ACCE...			2	SET	L	B202	5105	0010	NEW	Reservation for Order
0020									5105			
0030									5105			
0040									5105			
0050									5105			
0060									5105			
0070									5105			
0080									5105			
0090									5105			
0100									5105			
0110									5105			
0120									5105			
0130									5105			
0140									5105			

Gen. Data Purch. List Graph... Assy Material Where-Used Repl. Catalog

**Create Breakdown Maintenance Order : Operation Overview**

Order: PM01 %000000000001 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRTD MANC

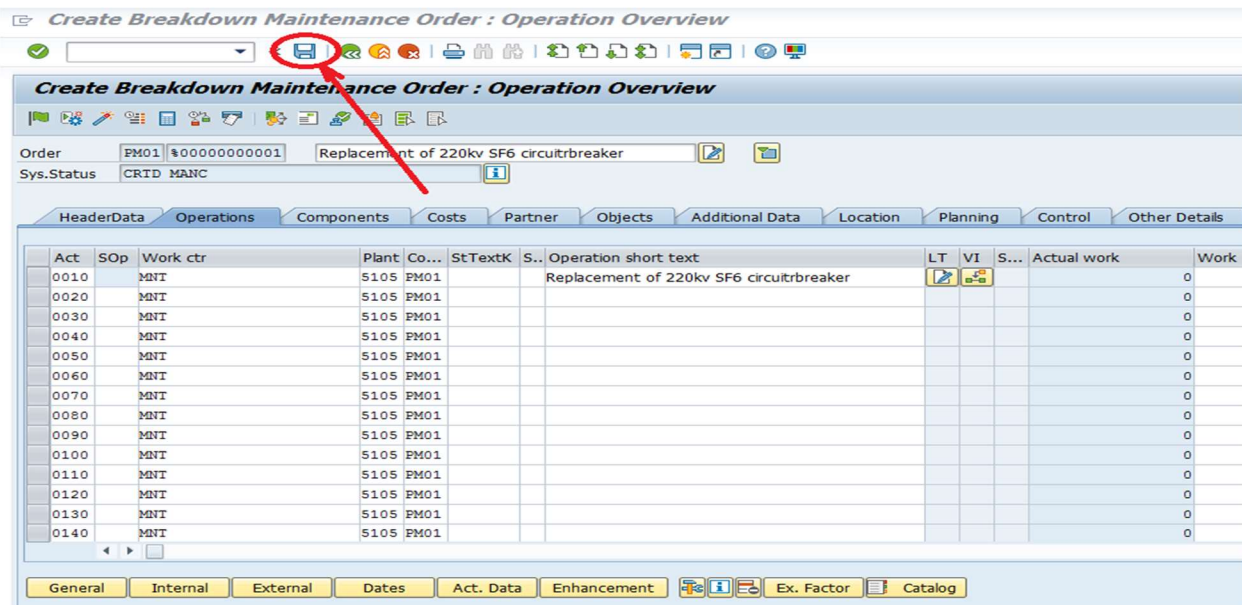
HeaderData Operations Components Costs Partner Objects Additional Data Location Planning Control Other Details

Act	SOp	Work ctr	Plant	Co...	StTextK	S...	Operation short text	LT	VI	S...	Actual work	Work
0010	MNT		5105	PM01			Replacement of 220kv SF6 circuitbreaker				0	
0020	MNT		5105	PM01							0	
0030	MNT		5105	PM01							0	
0040	MNT		5105	PM01							0	
0050	MNT		5105	PM01							0	
0060	MNT		5105	PM01							0	
0070	MNT		5105	PM01							0	
0080	MNT		5105	PM01							0	
0090	MNT		5105	PM01							0	
0100	MNT		5105	PM01							0	
0110	MNT		5105	PM01							0	
0120	MNT		5105	PM01							0	
0130	MNT		5105	PM01							0	
0140	MNT		5105	PM01							0	

General Internal External Dates Act. Data Enhancement Ex. Factor Catalog

Multiple material items can be entered (indented) in components tab by repeating the relevant steps explained above.

**STEP-27:** Click **save** button as shown below.



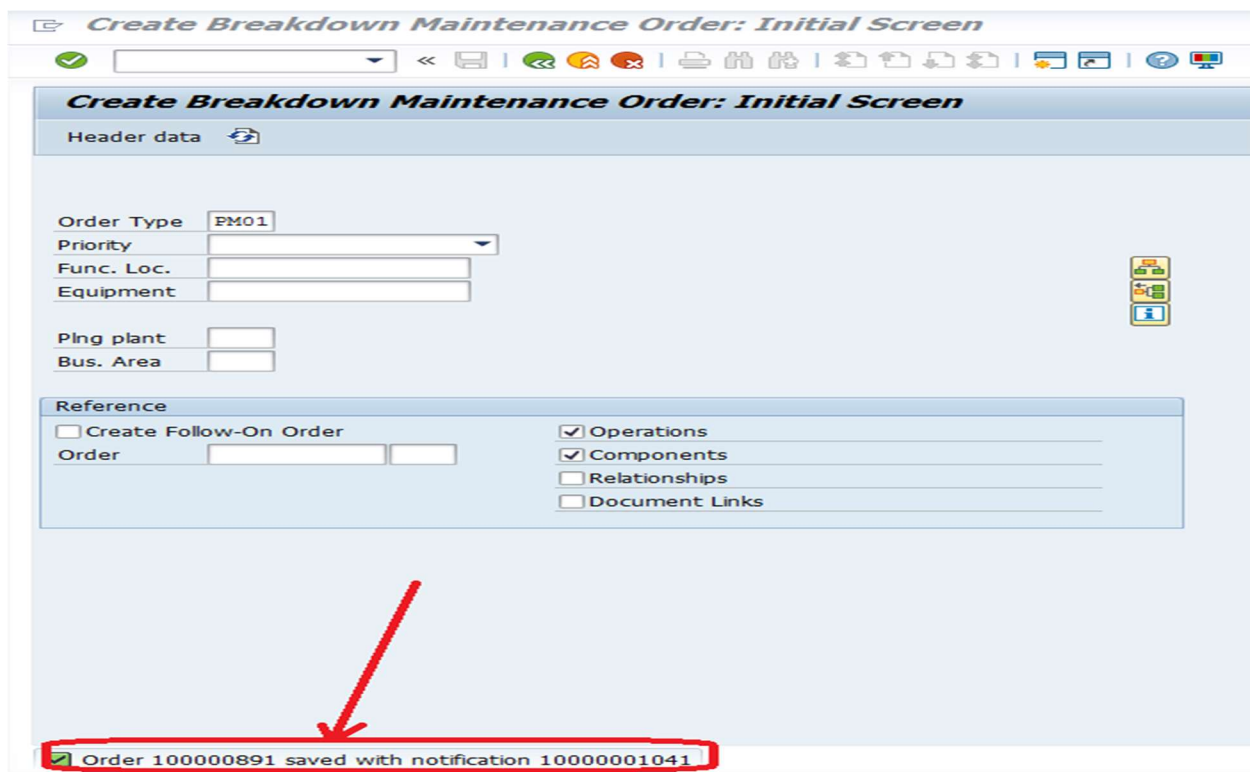
**Create Breakdown Maintenance Order : Operation Overview**

Order: PM01 \$00000000001 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRID MANC

Act	SOp	Work ctr	Plant	Co...	StTextK	S...	Operation short text	LT	VI	S...	Actual work	Work
0010	MNT		5105	PM01			Replacement of 220kv SF6 circuitbreaker				0	
0020	MNT		5105	PM01							0	
0030	MNT		5105	PM01							0	
0040	MNT		5105	PM01							0	
0050	MNT		5105	PM01							0	
0060	MNT		5105	PM01							0	
0070	MNT		5105	PM01							0	
0080	MNT		5105	PM01							0	
0090	MNT		5105	PM01							0	
0100	MNT		5105	PM01							0	
0110	MNT		5105	PM01							0	
0120	MNT		5105	PM01							0	
0130	MNT		5105	PM01							0	
0140	MNT		5105	PM01							0	

General Internal External Dates Act. Data Enhancement Ex. Factor Catalog

**STEP-28:** In the status bar, system displays the created maintenance order number (**100000891**) as shown below. Since the created order type is **PM01** i.e **break down**, a notification is also created by default.



**Create Breakdown Maintenance Order: Initial Screen**

Header data

Order Type: PM01  
 Priority:   
 Func. Loc.:   
 Equipment:   
 Png plant:   
 Bus. Area:

Reference

☐ Create Follow-On Order  
 Order:   
☒ Operations  
☒ Components  
☐ Relationships  
☐ Document Links

Order 100000891 saved with notification 10000001041

**Release of Maintenance order:**



In order to create material indent by the system, the maintenance order should be released and saved by the concerned Executive Engineer by logging into SAP through his/her user ID.

**STEP-29:** Enter T-Code **‘/NIW32’** in the command field and click enter button as shown below.

The screenshot shows the SAP 'Create Breakdown Maintenance Order: Initial Screen'. At the top, the title bar reads 'Create Breakdown Maintenance Order: Initial Screen'. Below the title bar, there is a command field containing '/NIW32', which is circled in red. To the left of the command field is a green checkmark icon, also circled in red. Below the command field, there are several icons for navigation and actions. The main area of the screen is divided into sections. The 'Header data' section contains fields for 'Order Type' (PM01), 'Priority', 'Func. Loc.', 'Equipment', 'Plng plant', and 'Bus. Area'. The 'Reference' section contains a checkbox for 'Create Follow-On Order' and a list of checkboxes for 'Operations', 'Components', 'Relationships', and 'Document Links'. The 'Operations' and 'Components' checkboxes are checked.

**STEP-30:** Enter maintenance order number and click **enter** button as indicated below.

The screenshot shows the SAP 'Change Order: Initial Screen'. At the top, the title bar reads 'Change Order: Initial Screen'. Below the title bar, there is a command field containing the maintenance order number '100000891', which is circled in red. To the left of the command field is a green checkmark icon, also circled in red. Below the command field, there are several icons for navigation and actions. The main area of the screen is divided into sections. The 'Header data' section contains fields for 'Order' and 'Order Number'. The 'Order' field contains the value '100000891'. The 'Order Number' field is empty. The 'Operations' section contains a checkbox for 'Create Follow-On Order' and a list of checkboxes for 'Operations', 'Components', 'Relationships', and 'Document Links'. The 'Operations' and 'Components' checkboxes are checked.

**STEP-31:** Click the **release** flag as indicated below.

**Change Breakdown Maintenance Order 100000891: Central Header**

Order: PM01 100000891 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: CRID MANC PRC

HeaderData Operations Components Costs Partner Objects Additional Data Location

Person responsible  
 PlannerGrp: M05 / 5105 MNT1 2CHILLAKALLU  
 Mn.wk.ctr: MNT / 5105 MAINTENANCE  
 Person resp ...

Notificatn: 10000001041  
 Costs: INR  
 PMActType: BD Break Down  
 SystCond.:  
 Address:

Dates  
 Bsc start: 07.09.2018 Priority: 2 High  
 Basic fin.: 07.09.2018 Revision:

Reference object  
 Func. Loc.: FB-220KV-CHKL-VTP... FB-220KV-CHILLAKALLU-VTPS-01  
 Equipment:

Malfnctn data Damage Notif. dates  
 Malf.start: 20.08.2018 11:14:06 Breakdown

**STEP-32:** A message as indicated below would be displayed in status bar as shown below. Click **save** button.

**After release of maintenance order, system may take about five minutes time to create material indent through back ground job. The indent created can be viewed in other details/ enhancement tab.**

**Change Breakdown Maintenance Order 100000891: Central Header**

Order: PM01 100000891 Replacement of 220kv SF6 circuitbreaker  
 Sys.Status: REL MSPT PRC SETC

Complete (business)

HeaderData Operations Components Costs Partner Objects Additional Data

Person responsible  
 PlannerGrp: M05 / S105 MNT1 2CHILLAKALLU  
 Mn.wk.ctr: MNT / S105 MAINTENANCE  
 Person resp...  
 Notificatn: 10000001041  
 Costs: 0.00 INR  
 PMActType: BD Break Down  
 SystCond.  
 Address

Dates  
 Bsc start: 07.09.2018 Priority: 2 High  
 Basic fin.: 07.09.2018 Revision

Reference object  
 Func. Loc.: FB-220KV-CHKL-VTP... FB-220KV-CHILLAKALLU-VTPS-01  
 Equipment

Malfcnctn data Damage Notif. dates  
 Malf.start: 20.08.2018 11:14:06 Breakdown

☒ Order 100000891 will be released after update

**STEP-33:** Enter T-code **/NIW32** or **/NIW33** in the command field and click **enter** button to view the material indent created by system.

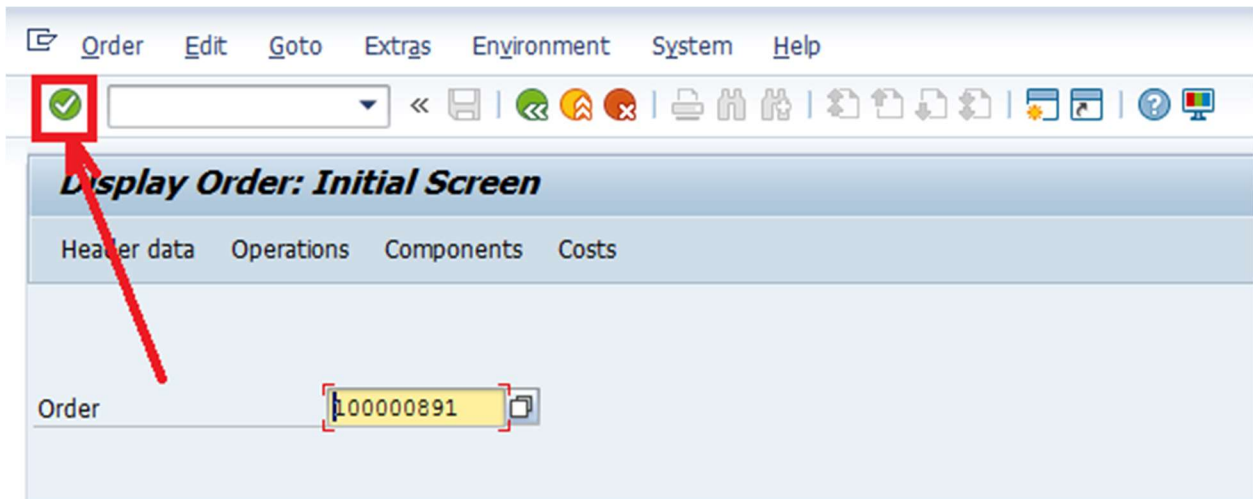
**SAP Easy Access**

☒ /NIW33

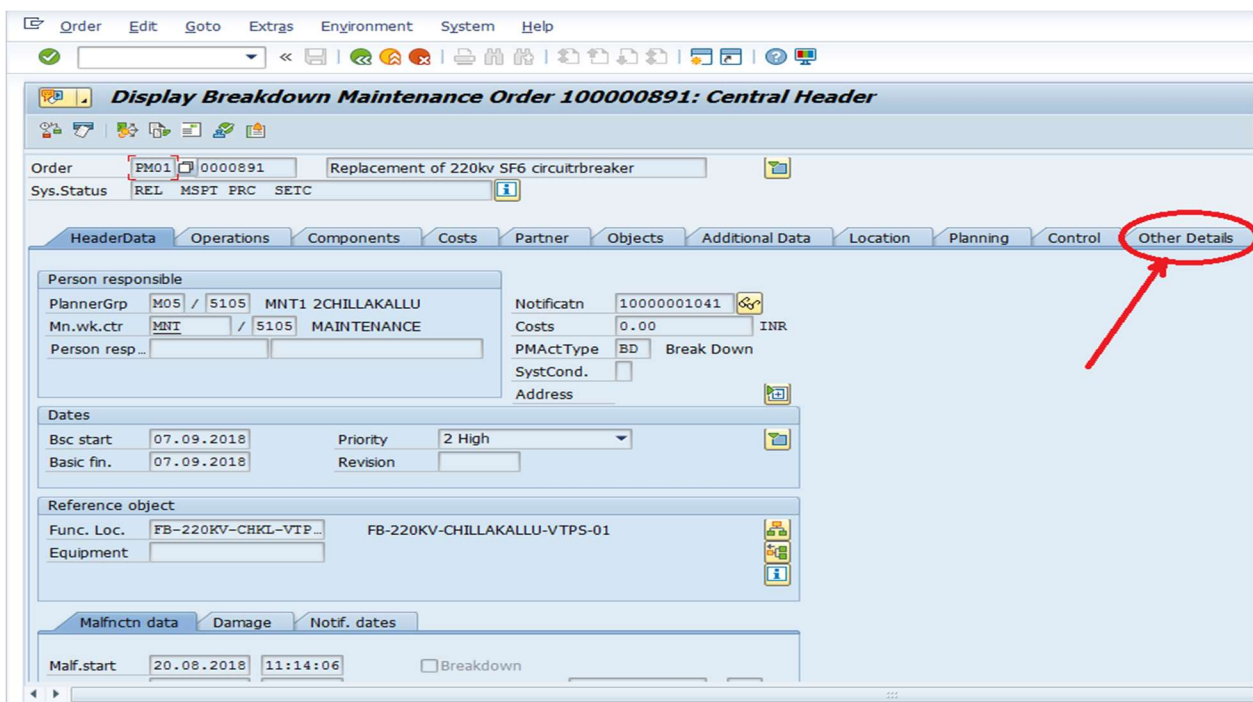
SAP Easy Access

- Favorites
- SAP Menu
  - Office
  - Cross-Application Components
  - Logistics
  - Accounting
  - Human Resources
  - Information Systems
  - Tools
  - WebClient UI Framework

**STEP-34:** Again click **enter** button as shown below.



**STEP-35:** Click **other details/enhancement** tab as shown below.



**STEP-36:** It can be observed that as explained in **STEP-23(b)** above, in **other details/ Enhancement** tab page, indent check box is checked and **execute** symbol is populated as shown below.

Click the **execute** symbol to view the details of material indent created by system.



Display Breakdown Maintenance Order 100000891: Central Header

Order: PM01 100000891 Replacement of 220kv SF6 circuitbreaker

Sys.Status: REL MSPT PRC SEIC

HeaderData Operations Components Costs Partner Objects Additional Data Location Planning Control Other Details

ALLOTMENT DETAILS

Indent	<input checked="" type="checkbox"/> 
Allotment Status	<input type="checkbox"/>
Outbound Delivery	<input type="checkbox"/>
PGI-Issue from store	<input type="checkbox"/>
MIGO-Mat. receipt	<input type="checkbox"/>
Components Stock	<input checked="" type="checkbox"/> 

**STEP-37:** It may be noted that the purchase requisition document which is normally used for requisitioning purchase of materials/services from external agencies is also used as **material indent** for transfer of stock from one plant to the other within APTransco i.e from central **stores plant** to field **OMC circle plant**.

List Display of Purchase Requisitions

List Display of Purchase Requisitions

Item	S	D	I	A	Material	Short Text	Quantity	Unit	C	Deliv. Date	Matl Group	Plant	SLoc	PGr Requirn.	TrackingNo	Vendor	Fixed vend	SPlt	POrg	Ac
Purchase requisitio						7000007993														
10	N				U	10001381 220KV 1600 A 40KA SF6 CB WITH ACCESSORIE	2	SET	D	20180907	M021	5105 B202		Central 01 100000891		1040		1040	1000	

*It may be noted that separate material indents as above would be created for each of the lines in the components tab.*

*But single allotment order can be issued by allotment authority against multiple material indents.*

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