

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

### **Devolution of Material/Scrap to Stores in O&M**

As part of O&M of EHT Substations and Lines, sometimes certain equipment/material which has already been capitalized/consumed, may be required to be taken out and sent (Devoluted) to stores. Such equipment/material may be with any valuation type i.e., new/used/damaged/irreparable/repared or without any valuation type.

In case of irreparable/scrap items, all minor scrap material items are devoluted to Central Stores for disposal. The **customer** (The external agency who purchases scrap) would lift the scrap from Central stores.

But major equipment scrap would not be normally sent to central stores. Instead, the customer who purchases the scrap would lift such scrap items from the virtual location i.e., sub-station premises itself, against concerned **Sale order. (\*)**

The devolution process in which material is sent to central stores involves 4 (Four) stages as mentioned below.

- **Stage-I:** The stock of equipment/material to be devoluted which is already consumed to works is taken out from works to the concerned local O&M virtual storage location, through a maintenance order with order type **DV01, “Devolution Order”**, which is created exclusively for the purpose of devolution.
  - ***In respect of equipment scrap which need not be sent to Stores, as explained above(\*), devolution process ends with this stage itself and process explained in following three stages is not required to be performed. But in respect of other minor scrap materials, which are sent to stores, the following three stages are also applicable.***

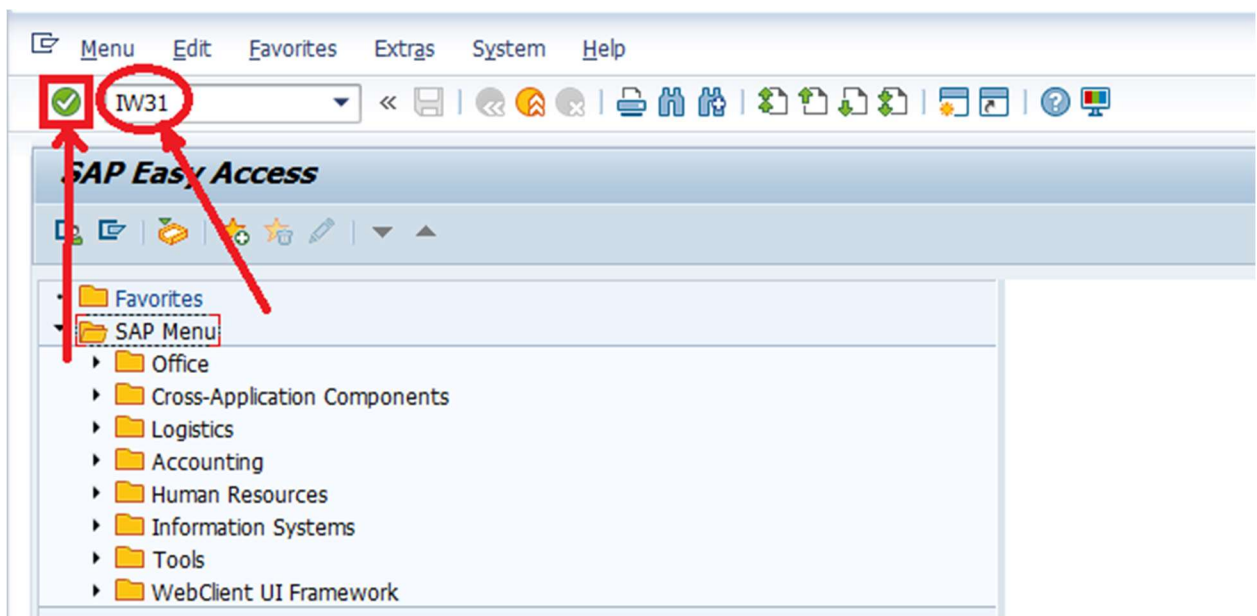
- **Stage-II:** The user who created devolution maintenance order, creates the **devolution P.O. (Stock Transfer Order [STO])** for transfer of material from the **virtual storage location** to the **central stores**.
- **Stage-III:** The user transfers the material available in **virtual storage location** to the **'transit stock'** in the central stores plant, against **Stock Transfer Order**.
- **Stage-IV:** This stage which is the last stage in the devolution process, is performed by the **'Central Stores' authorities**, to receive the material from **'Transit Stock'** to the selected **storage location** in central stores.

In this document, the step by step procedure of **devolution** in above four stages is illustrated with SAP screen shots.

#### **STAGE-I:**

##### **Creation of Maintenance order for Devolution:**

**STEP-1:** Enter T-Code **IW31** and click **enter** button as shown below.



**STEP-2:** Click **search** button beside the order type field as indicated below.

The screenshot shows the 'Create Order: Initial Screen' with a menu bar (Order, Edit, Goto, Extras, Environment, System, Help) and a toolbar. The 'Header data' section contains fields for Order Type, Priority, Func. Loc., Equipment, Png plant, and Bus. Area. The 'Reference' section has checkboxes for 'Create Follow-On Order' and 'Operations', 'Components', 'Relationships', and 'Document Links'. A red circle highlights the search button (magnifying glass icon) next to the Order Type field, with a red arrow pointing to it.

**STEP-3:** Select order type **DV01 "Devolution Order"** from the list and click **enter** button as shown below.

The screenshot shows the 'Create Order: Initial Screen' with the 'Order Type' dropdown menu open. The menu title is 'Order Type for Maintenance Orders (1) 16 Entries found'. The menu contains a list of order types with their names. The 'DV01 Devolution Order' is highlighted. A red circle highlights the search button (magnifying glass icon) next to the Order Type field, with a red arrow pointing to it. Another red arrow points to the 'DV01 Devolution Order' entry in the list.

Type	Name
CU01	CU Service Order
CU02	CU Service Order
CU03	CU Maintenance Order
CU04	CU Maintenance Order
DV01	Devolution Order
PM01	Breakdown Maintenance Order
PM02	Corrective Maintenance Order
PM03	Preventive Maintenance Order
PM04	Refurbishment order
PM05	Calibration order
PM06	Capital investment order
PM07	Facility Maintenance Order
PM08	General Maintenance Order
SM01	Service order
SM02	Service order (with revenues)
SM03	Repair service

**STEP-4:** From drop down list in priority field, **select** priority as indicated below.

The screenshot shows the 'Create Order: Initial Screen' window. The 'Header data' section contains the following fields: 'Order Type' (DV01), 'Priority' (3 Medium), 'Func. Loc.' (empty), and 'Equipment' (empty). Below these are 'Plng plant' and 'Bus. Area' (both empty). The 'Reference' section has a 'Create Follow-On Order' checkbox (unchecked) and an 'Order' field. To the right of the 'Reference' section are four checkboxes: 'Operations' (checked), 'Components' (checked), 'Relationships' (unchecked), and 'Document Links' (unchecked). A red arrow points to the 'Priority' dropdown menu, which is highlighted with a red box.

**STEP-5:** Click **search** button beside functional location field, to select functional location from which material is proposed to be devoluted. If material is devoluted from substation, the functional location of SS should be selected.

The screenshot shows the 'Create Order: Initial Screen' window. The 'Header data' section contains the following fields: 'Order Type' (DV01), 'Priority' (3 Medium), 'Func. Loc.' (empty), and 'Equipment' (empty). Below these are 'Plng plant' and 'Bus. Area' (both empty). The 'Reference' section has a 'Create Follow-On Order' checkbox (unchecked) and an 'Order' field. To the right of the 'Reference' section are four checkboxes: 'Operations' (checked), 'Components' (checked), 'Relationships' (unchecked), and 'Document Links' (unchecked). A red arrow points to the search button (magnifying glass icon) next to the 'Func. Loc.' field, which is highlighted with a red box.



**STEP-6:** In the functional location selection screen enter **SS\*** in **functional location** field, **plant number** in planning plant field and click **execute** button as shown below, for fetching the list of all sub-station functional locations present in the selected plant.

**Display Functional Location: Functional Location Selection**

Functional Location Selection

Functional Location: SS\* to

Partner: to

Selection Profile: to

Address: X

Classification

Class Type: to

Class: to

Include Subordinate Classes: X

Valuation: X

Linear Data

Segment: to

Start Point: to

End Point: to

Length: to

Unit of Measure: to

Linear Reference Pattern: to

Maintenance Data

FunctLocDescrip.: to

Planning plant: 5105 to

Planner group: to

Construction type: to

Catalog profile: to

AuthorizGroup: to

Business Area: to

**STEP-7:** Select the functional location of the required substation and click **enter** button as shown below.

**Display Functional Location: Functional Location List**

Layout for Characteristics

Plnt	Functional Location	Description of functional location
5105	SS-132KV-ATNR	AUTONAGAR -132/33KV-SS
5105	SS-132KV-AVGD	AVANIGADDA -132/33KV-SS
5105	SS-132KV-BVPM	BHAVANIPURAM -132/33KV-SS
5105	SS-132KV-CRKT	CHIGURUKOTA -132/33KV-SS
5105	SS-132KV-GNGR	GANGOOR -132/33KV-SS
5105	SS-132KV-KMPD	KAMBHAMPADU -132/33KV-SS
5105	SS-132KV-KNML	KANUMOLU -132/33KV-SS
5105	SS-132KV-MCPM	MACHILIPATNAM -132/33KV-SS
5105	SS-132KV-NDGM	NANDIGAMA -132/33KV-SS
5105	SS-132KV-NZVD	NUZIVEEDU -132/33KV-SS
5105	SS-132KV-PMRU	PAMARRU -132/33KV-SS
5105	SS-132KV-RGDM	RANGANNAGUDEM -132/33KV-SS
5105	SS-132KV-VJWD	VIJAYAWADA -132/33KV-SS
5105	SS-220KV-CHKL	CHILLAKALLU -220/132/33KV-SS
5105	SS-220KV-GDVD	GUDIVADA -220/132/33KV-SS
5105	SS-220KV-GNDL	GUNADALA -220/132/33KV-SS
5105	SS-220KV-KDPL	KONDAPALLI -220/132/33KV-SS
5105	SS-220KV-NUNN	NUNNA -220KV-SS

**STEP-8:** Selected functional location would be updated in create order screen as shown below. Click **enter** button as indicated below.

**Create Order: Initial Screen**

Header data

Order Type DV01  
Priority 3 Medium  
Func. Loc. SS-220KV-CHKL  
Equipment  
Png plant  
Bus. Area

Reference

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

**STEP-9:** Enter description of devolution in description field and click **enter** button as shown below.

**Create Devolution Order : Central Header**

Order DV01 \$000000000001  
Sys.Status CRTD MANC NTUP  
Description Devolution of Aluminium Cable Scrap

HeaderData Operations Components Costs Objects Additional Data Location Planning

Person responsible  
PlannerGrp M05 / S105 MNT1 2CHILLAKALLU  
Mn.wk.ctr MNT / S105 MAINTENANCE

Notificatn  
Costs  
PMActType DEV Devolution  
SystCond.

Dates  
Bsc start 28.09.2018  
Basic fin. 28.09.2018  
Priority 3 Medium  
Revision

Reference object  
Func. Loc. SS-220KV-CHKL  
Equipment CHILLAKALLU -220/132/33KV-SS

First operation  
Operation Devolution of Cable Scrap  
WkCtr/Plnt MNT / S105  
Work durtn  
Ctrl key PM01  
Acty Type  
Opntrn dur.  
CcKey 1 Calculate duration

**STEP-10:** Click components tab.

**Create Devolution Order : Central Header**

Order: DV01 / \$000000000001 Devolution of Cable Scrap

Sys.Status: CRID MANC NTUP

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

Person responsible  
PlannerGrp: MOS / S105 MNT1 2CHILLAKALLU  
Mn.wk.ctr: MNT / S105 MAINTENANCE

Notificatn:   
Costs:   
PMActType: DEV Devolution  
SysCond.:   
INR

Dates  
Bsc start: 28.09.2018 Priority: 3 Medium  
Basic fin.: 28.09.2018 Revision:

Reference object  
Func. Loc.: SS-220KV-CHKL CHILLAKALLU -220/132/33KV-SS  
Equipment:

First operation  
Operation: Devolution of Cable Scrap CcKey: 1 Calculate duration  
WkCtr/Plnt: MNT / S105 Ctrl key: PM01 Acty Type: PRT  
Work durtn: H Number:   
Opn dur.: H Comp.

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

**Create Devolution Order : Component Overview**

Order: DV01 / \$000000000001 Devolution of Aluminium Cable Scrap

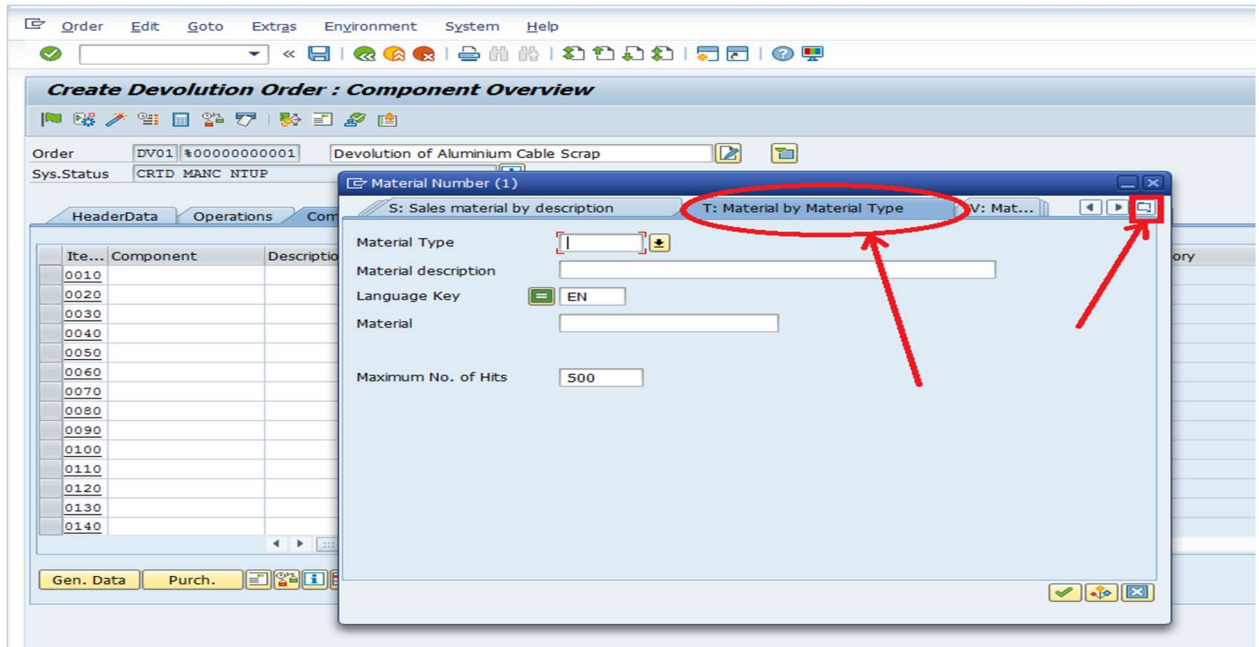
Sys.Status: CRID MANC NTUP

HeaderData Operations Components Costs Objects Additional Data Location Planning Control Other De

Ite...	Component	Description	LT	Reqmt Qty	UM	IC	S.	SLoc	Plnt	Act	Batch	Proc
0010												
0020												
0030												
0040												
0050												
0060												
0070												
0080												
0090												
0100												
0110												
0120												
0130												
0140												

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

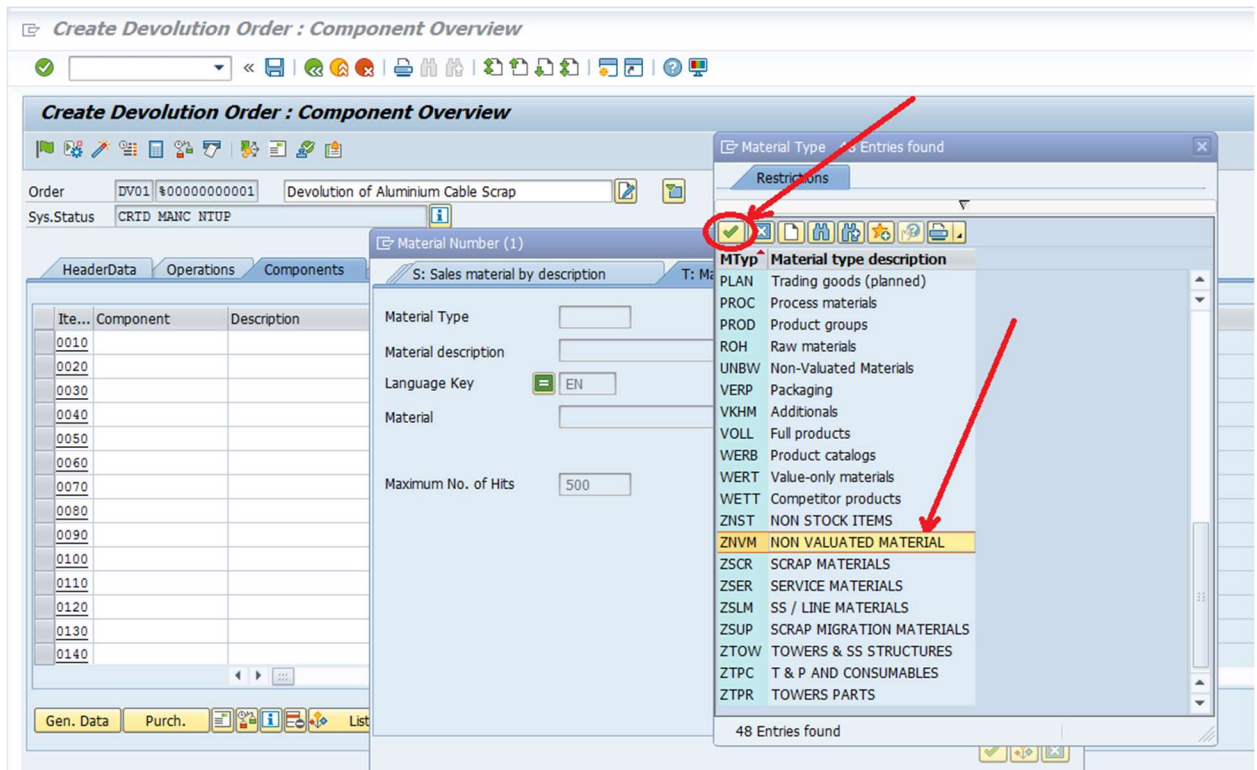
**STEP-12:** From the list of selection criteria, select **T: Material by Material Type**, as shown below.



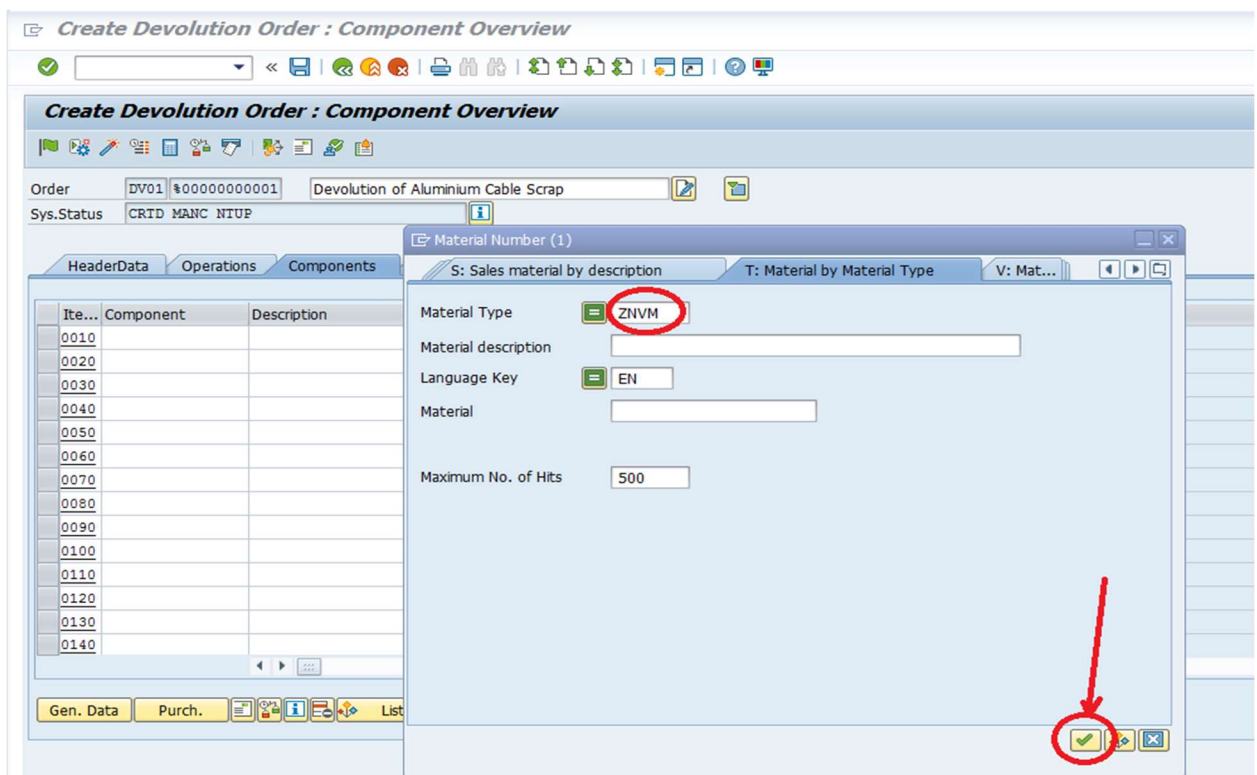
**STEP-13:** Click down arrow beside material type. From the list displayed, select material type **ZVM Non Valuated Material** and click **enter** as shown below.

**NOTE:-** It may be noted that all the scrap material items are included in the above material type only. The material code of all the scrap items under this material type would be with **2....** series.





**STEP-14:** Now click **enter** button as indicated below.



**STEP-15:** From the list of scrap materials displayed, select the required material and click **enter** button as shown below.



**STEP-17:** It may be noted that the other relevant fields namely **Description, Unit of Measurement, Item Category, storage location, plant etc** are automatically updated by the system from material master data and reference functional location master data, as shown below.

**Create Devolution Order : Component Overview**

Order: DV01 %0000000001 Devolution of Aluminium Cable Scrap  
 Sys.Status: CRID MANC

It...	Component	Description	LT	Reqmt Qty	UM	IC	S.	SLoc	Plnt	Act	Batch	Proc. Category
0010	20000021	ALUMINIUM CABLE SCRAP			KG	L		B202	S105	0010		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			

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

**STEP-18:** Enter the quantity of material devoluted with **minus sign** and click **enter** button as indicated below.

**Create Devolution Order : Component Overview**

Order: DV01 %0000000001 Devolution of Aluminium Cable Scrap  
 Sys.Status: CRID MANC

It...	Component	Description	LT	Reqmt Qty	UM	IC	S.	SLoc	Plnt	Act	Batch	Proc. Category
0010	20000021	ALUMINIUM CABLE SCRAP		-150	KG	L		B202	S105	0010		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			

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



**STEP-19:** It may be noted that minus sign entered **before** the quantity would now appear **after** the quantity as shown below. Now enter **save** button.

The screenshot shows the SAP 'Create Devolution Order : Component Overview' interface. The top toolbar contains various icons, with the save icon (a floppy disk) circled in red. Below the toolbar, the 'Order' field is set to 'DV01' and the 'Sys.Status' is 'CRID MANC'. The 'Components' tab is selected, displaying a table with the following data:

Ite...	Component	Description	LT	Reqmt Qty	UM	IC	S..	SLoc	PInt	Act	Batch	Proc. Categ
0010	20000021	ALUMINIUM CABLE SCRAP		150-	KG	L		B202	5105	0010		Reservation
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			

The quantity '150' in the 'Reqmt Qty' column is circled in red, with a red arrow pointing to it. The bottom toolbar includes buttons for 'Gen. Data', 'Purch.', 'List', 'Graph...', 'Assy', 'Material Where-Used', 'Repl.', and 'Catalog'.

**STEP-20:** A message as shown below would be displayed in the status bar indicating the number of maintenance order saved.

Note the devolution order number created. In the present example **order no: 900000323** is created.

**Create Devolution Order: Initial Screen**

Header data

Order Type: DV01  
 Priority:   
 Func. Loc.:   
 Equipment:   
 Plng plant:   
 Bus. Area:

Reference

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

Order saved with number 900000323

### Release of Devolution order:

**STEP-21: Now** the maintenance order should be released by concerned Executive Engineer through his user ID. Enter T-code **/NIW32** in the command field and click **enter** button.

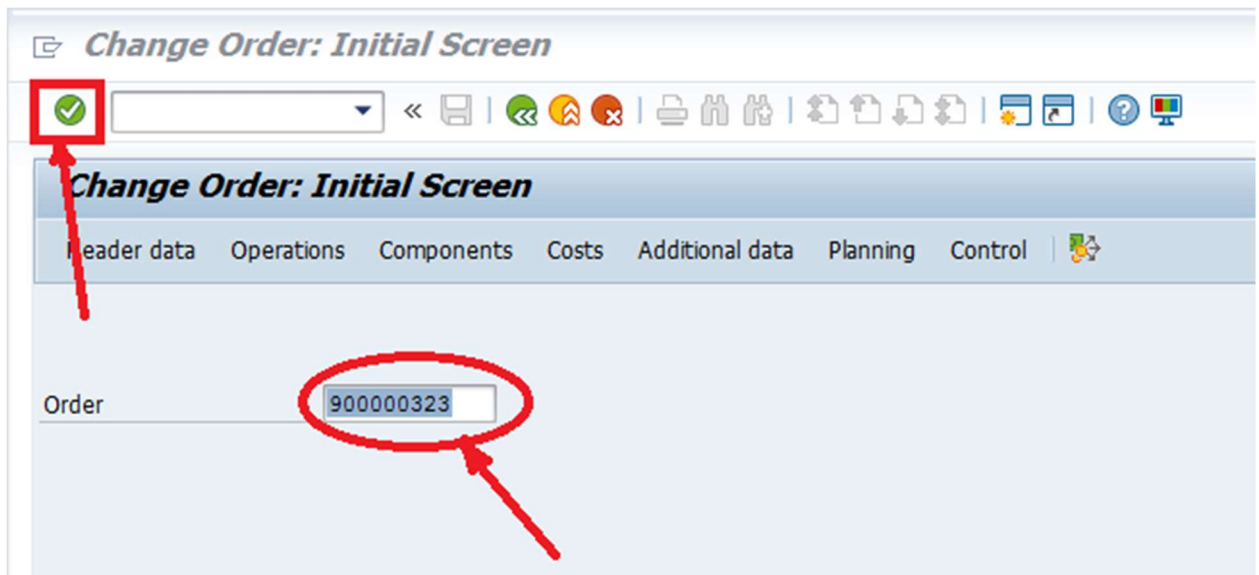
**SAP Easy Access**

☒ /NIW32

**SAP Easy Access**

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

**STEP-22:** Again click **enter** button as shown below.

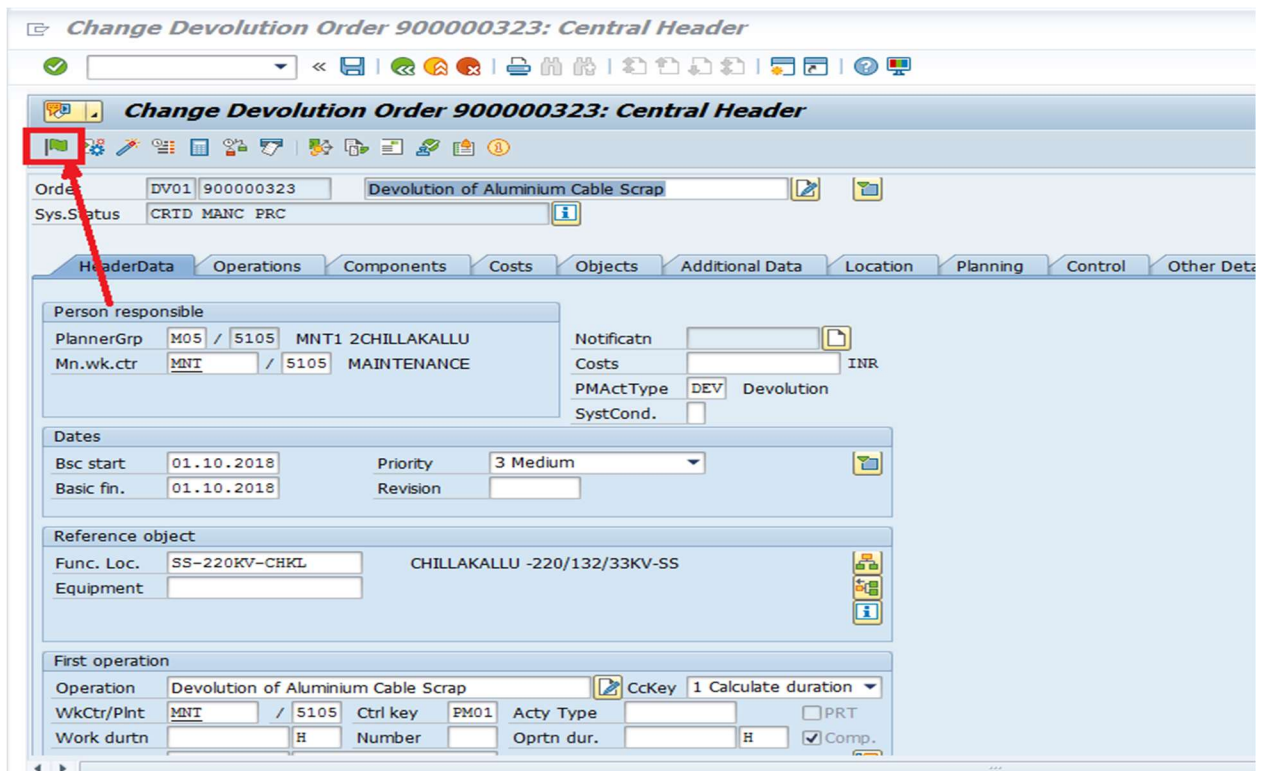


Change Order: Initial Screen

Header data Operations Components Costs Additional data Planning Control

Order 900000323

**STEP-23:** Click **release flag** as shown below.



Change Devolution Order 900000323: Central Header

Order DV01 900000323 Devolution of Aluminium Cable Scrap

Sys.Status CRID MANC PRC

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

Person responsible

PlannerGrp M05 / 5105 MNT1 2CHILLAKALLU

Mn.wk.ctr MNT / 5105 MAINTENANCE

Notificatn

Costs

PMActType DEV Devolution

SystCond.

Dates

Bsc start 01.10.2018 Priority 3 Medium

Basic fin. 01.10.2018 Revision

Reference object

Func. Loc. SS-220KV-CHKL CHILLAKALLU -220/132/33KV-SS

Equipment

First operation

Operation Devolution of Aluminium Cable Scrap Cckey 1 Calculate duration

WkCtr/Plnt MNT / 5105 Ctrl key FM01 Acty Type

Work durtn H Number Oprtn dur. H

PRT

Comp.

**STEP-24:** In the **status bar**, a message would be displayed that order would be released after update. Click **save** button as indicated below.

**Change Devolution Order 900000323: Central Header**

Order: DV01 900000323 Devolution of Aluminium Cable Scrap  
 Sys.Status: REL MACM PRC SEIC

HeaderData Operations Components Costs Objects Additional Data Location

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

Notificatn:   
 Costs: 0.00 INR  
 PMActType: DEV Devolution  
 SystCond.:   
☐

Dates  
 Bsc start: 01.10.2018 Priority: 3 Medium  
 Basic fin.: 01.10.2018 Revision:

Reference object  
 Func. Loc.: SS-220KV-CHKL CHILLAKALLU -220/132/33KV-SS  
 Equipment:

First operation  
 Operation: Devolution of Aluminium Cable Scrap CcKey: 1 Calculate duration  
 WkCtr/Pint: MNT / 5105 Ctrl key: FM01 Acty Type:   
 ☐ PRT  
 Work durtn:   
 H Number:   
 Oprtn dur.:   
 H ☒ Comp.

☒ Order 900000323 will be released after update

**STEP-25:** A message would be displayed in status bar that order has been saved.

**Change Order: Initial Screen**

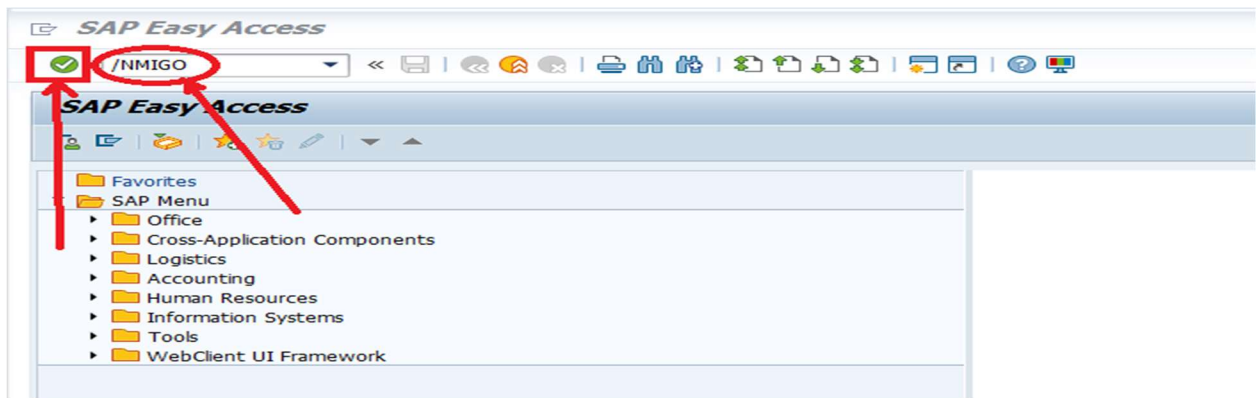
Header data Operations Components Costs Additional data Planning Control

Order: 900000323

☒ Order saved with number 900000323

**Creation of Material stock in local storage location  
against Maintenance Order:**

**STEP-26:** Now, for creating stock of material to be devoluted in the substation storage location, **MIGO** transaction should be done with **movement type 262**. Click T-code **/NMIGO** in the command field as indicated below and click **enter**.



**STEP-27:** Select the following in the four fields in the **migo** screen as mentioned below, and as shown in below screen shot.

- a) Trans/Event field: **A07 Goods Issue**
- b) Reference Document: **R08 Order**
- c) Order Number: **Enter the devolution maintenance order number**
- d) Movement type: **262**

**Goods Issue Order - PURANAM RAMALINGA SARAN**

Show Overview | Hold | Check | Post | Help

A07 Goods Issue | R08 Order | 900000323 | GI for order: 262

General

Document Date: 01.10.2018 | Posting Date: 01.10.2018 | Material Slip: | Doc.Header Text: | 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E...	Plnt	SLoc	Plant	Batch	Valuation ..

Material | Quantity | Where

**STEP-28:** Click **enter** button.

**Goods Issue Order - PURANAM RAMALINGA SARAN**

Show Overview | Hold | Check | Post | Help

A07 Goods Issue | R08 Order | 900000323 | GI for order: 262

General

Document Date: 01.10.2018 | Posting Date: 01.10.2018 | Material Slip: | Doc.Header Text: | 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E...	Plnt	SLoc	Plant	Batch	Valuat

Material | Quantity | Where

**STEP-29:** It may be noted that material details entered in **components** tab of **Devolution Maintenance order** would flow into this screen as shown below.

Now click **quantity** and **where** tabs and verify the details of quantity of material devoluted, **movement type 262**, **storage location** into which material is to be received as shown in below four screen shots.



Goods Issue Order 900000323 - PURANAM RAMALINGA SARAN



Goods Issue Order 900000323 - PURANAM RAMALINGA SARAN

Show Overview | Hold | Check | Post | Help

A07 Goods Issue

R08 Order

RE for order

262

General

Document Date 01.10.2018

Material Slip

Posting Date 01.10.2018

Doc.Header Text

☐ 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E... Plnt	Order	Ac...	SLoc	Co...	Plant	Bu...
1	ALUMINIUM CABLE SCRAP	<input type="checkbox"/>	150	KG SE/OMC/Vja	900000323	0010	220KVChilakallu	3000	5105	5105

Delete Contents

Material Quantity Where Reservation Account Assignment

Material ALUMINIUM CABLE SCRAP

20000021

Material Group M600

Goods Issue Order 900000323 - PURANAM RAMALINGA SARAN



Goods Issue Order 900000323 - PURANAM RAMALINGA SARAN

Show Overview | Hold | Check | Post | Help

A07 Goods Issue

R08 Order

RE for order

262

General

Document Date 01.10.2018

Material Slip

Posting Date 01.10.2018

Doc.Header Text

☐ 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E... Plnt	Order	Ac...	SLoc	Co...	Plant	Bu...
1	ALUMINIUM CABLE SCRAP	<input type="checkbox"/>	150	KG SE/OMC/Vja	900000323	0010	220KVChilakallu	3000	5105	5105

Delete Contents

Material Quantity Where Reservation Account Assignment

Qty in Unit of Entry 150 KG

Qty in SKU 150 KG



**Goods Issue Order 900000323 - PURANAM RAMALINGA SARAN**

Show Overview | Hold | Check | Post | Help

A07 Goods Issue | R08 Order | RE for order 262

**General**

Document Date: 01.10.2018 | Material Slip: | Posting Date: 01.10.2018 | Doc.Header Text: | 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E...	Plnt	Order	Ac...	SLoc	Co...	Plant	Bu...
1	ALUMINIUM CABLE SCRAP	<input type="checkbox"/>	150	KG	SE/OMC/Vja	900000323	0010	220KVChillakallu	3000	5105	5105

**Where**

Qty in Unit of Entry: 150 KG | Qty in SKU: 150 KG

**Where**

Movement type: 262 | RE for order | Stock type: Unrestricted use

Plant: SE/OMC/Vjayawada | 5105 | Storage Location: 220KVChillakallu | B202

Goods recipient: | Unloading Point:

**STEP-30:** Check **item ok** check box and click **check** button as shown below.

**Goods Issue Order 900000323 - PURANAM RAMALINGA SARAN**

Show Overview | Hold | **Check** | Post | Help

Document Date: 01.10.2018  
Posting Date: 01.10.2018  
3 Collective Slip

Material Slip:   
Doc.Header Text:

Line	Mat. Short Text	OK	Qty in UnE	E...	Plnt	Order
1	ALUMINIUM CABLE SCRAP	<input type="checkbox"/>	150	KG	SE/OMC/Vjja..	900000323

Material | Quantity | Where | Reservation | Account Assignment

Movement type: 262 ☐ + RE for order Stock type: Unrestricted use

Plant: SE/OMC/Vjayawada 5105  
Storage Location: 220KVChillakallu B202  
Goods recipient:   
Unloading Point:   
Text:

☒ Item OK Line 1

**STEP-31:** Document is O.K message is displayed in status bar as shown below. Now click **post** as indicated below.

**Goods Issue Order 900000323 - PURANAM RAMALINGA SARAN**

Show Overview | Hold | Check | **Post** | Help

Document Date: 01.10.2018  
Posting Date: 01.10.2018  
3 Collective Slip

Material Slip:   
Doc.Header Text:

Line	St...	Mat. Short Text	OK	Qty in UnE	E...	Plnt	C
1	<input checked="" type="checkbox"/>	ALUMINIUM CABLE SCRAP	<input checked="" type="checkbox"/>	150	KG	SE/OMC/Vjja..	9

Material | Quantity | Where | Reservation | Account Assignment

Movement type: 262 ☐ + RE for order Stock type: Unrestricted u

Plant: SE/OMC/Vjayawada 5105  
Storage Location: 220KVChillakallu B202  
Goods recipient:   
Unloading Point:   
Text:

☒ Item OK Line 1

☒ Document is O.K.

**STEP-32:** A material document would be posted and document number would be displayed in status bar. In the present example, document no: **4900012219** has been posted as indicated below.

Goods Issue Order - PURANAM RAMALINGA SARAN

Show Overview | Hold | Check | Post | Help

A07 Goods Issue | R08 Order | RE for order: 262

General

Document Date: 01.10.2018 | Posting Date: 01.10.2018 | Material Slip: | Doc.Header Text: | 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E...	Plnt	SLoc	Plant	Batch	Value

Material | Quantity | Where

Material document 4900012219 posted

Now the material proposed to be devoluted to stores would appear as **stock** in the substation storage location. With this, first stage of devolution is completed. ***In respect of material which is not required to be sent to stores, devolution process may be treated as completed with this stage only.***


It may be noted that in the ***Other Details/ Enhancements*** tab of the devolution maintenance order, the status of devolution of material can be tracked as indicated below. The details of material documents created during performance of ***four stages*** in ***devolution*** process, as explained in preamble to this document can be viewed from the ***Other Details/ Enhancements*** tab as shown below.

**Change Devolution Order 900000323: Central Header**

Order: DV01 900000323 Devolution of Aluminium Cable Scrap  
 Sys.Status: REL GMPS MACM PRC SETC

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

**DEVOLUTION DETAILS**

RE for Order	<input checked="" type="checkbox"/> 
Devolution PO	<input type="checkbox"/>
GI Virtual Loc to Transit stock	<input type="checkbox"/>
RE Transit stock to central stores	<input type="checkbox"/>

The details of material document created in the first stage can be viewed by clicking **execute** symbol shown in above screen shot. Click **execute** symbol.

**Material Document List**

Material	Material Description	Σ	Loc.curr.amount	Plant	SLoc	MvT	Material Doc.	Item	Posting Date	Qty in unit of entry	EUn	PO	Delivery	WBS E
20000021	ALUMINIUM CABLE SCRAP		0.00	S105	B202	262	4900012219	1	01.10.2018	150	KG			
			0.00											

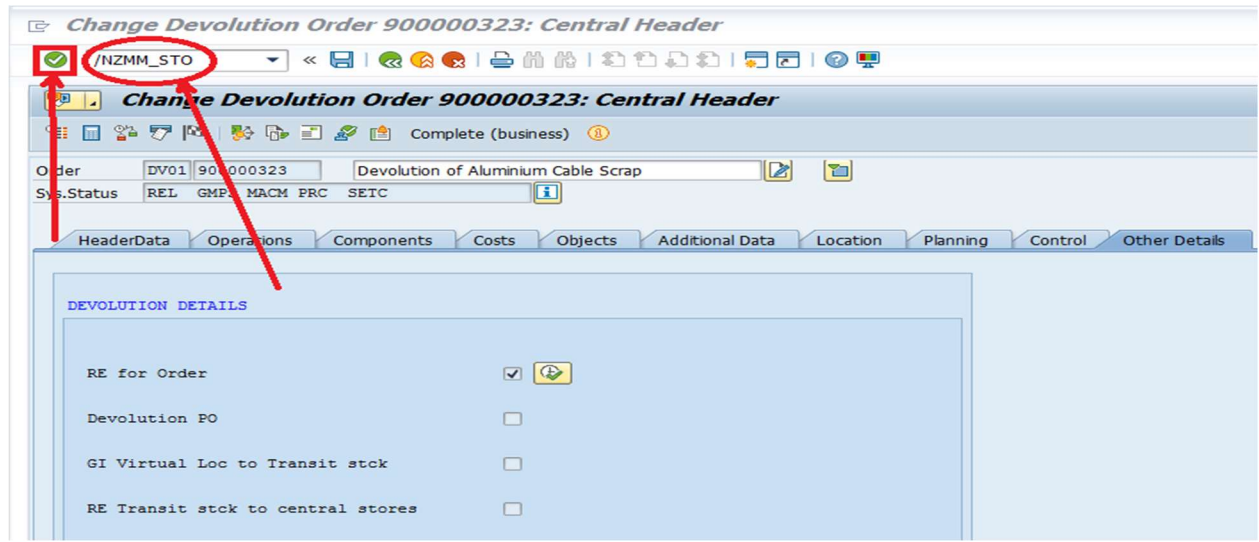
By clicking on the material document number, the material document can also be viewed. Similarly, after completion of other three stages of devolution process, the details of concerned material documents created can also be viewed against other three check boxes indicated in above screen shot.

In respect of materials which are required to be sent to central stores, the balance devolution process illustrated below should also be performed.

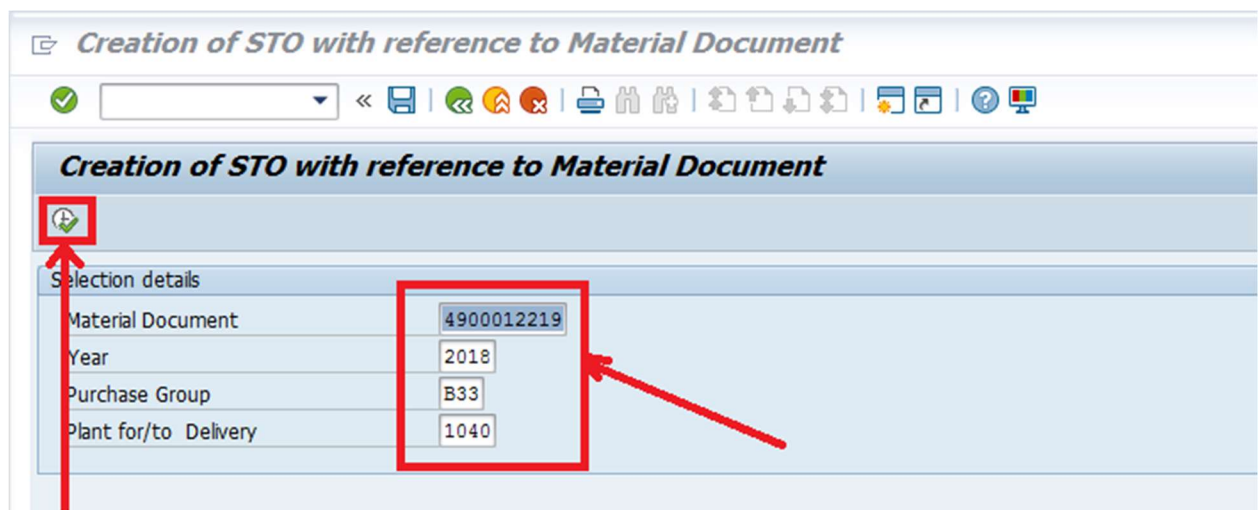
## Stage-II:

### Creation of Devolution PO (Stock Transfer PO)

**STEP-33:** Enter T-code **/NZmm\_STO** in the command field and click **enter** as shown below.



**STEP-34:** Enter **material document** created in **STEP-32** above, **year**, **purchase group** and number of **stores plant** to which material is to be devoluted and click **execute** button as indicated below.



**STEP-35:** Click **Create PO** button as shown below.






**Change Devolution Order 900000323: Central Header**



Order: DV01 900000323 Devolution of Aluminium Cable Scrap

Sys.Status: REL GMPS MACM PRC SETC

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

**DEVOLUTION DETAILS**

RE for Order ☒ 

**Devolution PO** ☒  

GI Virtual Loc to Transit stock ☐

RE Transit stock to central stores ☐

**Purchasing Documents by Document Number**

Purch.doc.	Item	Type	C	Vendor/supplying plant	POrg	PGr	Doc. Date	Material	Short Text	Matl Group	PO history/release d
6000001813	1	ZDEV	F	5105 SE/OMC/Vijayawada	1000	B33	03.10.2018	200000021	ALUMINIUM CABLE SCRAP	M600	

### Stage-III:

#### Goods Issue against Devolution PO, from Virtual storage location to Transit Stock in Central Stores:

Having created Devolution PO, the devoluting authority should now issue the material from local storage location to transit stock in **central stores** through **MIGO** transaction.

**STEP-37:** Enter t-code **/NMIGO** in the command field and click **enter**.



Change Devolution Order 900000323: Central Header

Change Devolution Order 900000323: Central Header

Order DV01 900000323 Devolution of Aluminium Cable Scrap

Sys. Status REL GMPS MACM FRC SETC

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

**STEP-38:** Select the following in the four fields in the **MIGO** screen as mentioned below, and as shown in below screen shot and click **enter** button.

- Trans/Event field: **A07 Goods Issue**
- Reference Document: **R01 Purchase Order**
- Order Number: **Enter the devolution Purchase Order number, created in STEP-36 above.**
- Movement type: **351**

Goods Issue Purchase Order - PURANAM RAMALINGA SARAN

Show Overview | Hold | Check | Post | Help

A07 Goods Issue R01 Purchase Order 6000001813 TF to stock in trans. 351

General

Document Date 03.10.2011 Material Stp

Posting Date 03.10.2011 Doc. Header Text

3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E...	Plnt	SLoc	Plant	Batch	Va

Material Quantity Where

**STEP-39:** It may be noted that material details in **Devolution Purchase order** would flow into **MIGO** screen as shown below.

Now click **quantity** and **where** tabs and verify the details of **quantity of material devoluted, movement type 351, storage location** from where material is issued as shown in below two screen shots.

Goods Issue Purchase Order 6000001813 - PURANAM RAMALINGA SARAN

Show Overview | Hold | Check | Post | Help

A07 Goods Issue | R01 Purchase Order | TF to stock in trans. 351

General

Document Date 03.10.2018 | Posting Date 03.10.2018 | Material Slip | Doc.Header Text | 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E...	S...	Plnt	SLoc	Plant	Batch	Valuation ...	M...	D S...	Stock Type
1	ALUMINIUM CABLE SCRAP		150	KG	SE/OMC/Vja		5105				351		Unrestrict

Material | **Quantity** | Where | Purchase Order Data | Stock Transfer | Account Assignment

Qty in Unit of Entry 150 KG | Qty in SKU 150 KG

Goods Issue Purchase Order 6000001813 - PURANAM RAMALINGA SARAN

Show Overview | Hold | Check | Post | Help

Document Date 03.10.2018 | Posting Date 03.10.2018 | Material Slip | Doc.Header Text | 3 Collective Slip

Line	St...	Mat. Short Text	OK	Qty in UnE	E...	S...	Plnt	SLoc	Plant	Ba
1		ALUMINIUM CABLE SCRAP	✓	150	KG	SE/OMC/Vja		5105		

Material | Quantity | **Where** | Purchase Order Data | Stock Transfer | Account Assignment

Movement type 351 | TF to stock in trans. | Stock type Unrestricted use

Plant SE/OMC/Vjayawada | 5105

Storage Location B202

Goods recipient

Unloading Point

Text

Item OK | Line 1

**STEP-40:** Check **item ok** check box and click **check** button as shown below.

Goods Issue Purchase Order 6000001813 - PURANAM RAMALINGA SARAN

Show Overview | Hold | **Check** | Post | Help

Document Date: 03.10.2018 | Posting Date: 03.10.2018 | 3 Collective Slip

Material Slip: | Doc.Header Text: |

Line	St...	Mat. Short Text	OK	Qty in UnE	E...	S...	Plnt	SLoc	Plant	Batch	Val
1	✓	ALUMINIUM CABLE SCRAP	✓	150	KG	SE/OMC/Vja			5105		

Material | Quantity | Where | Purchase Order Data | Stock Transfer | Account Assignment

Movement type: 351 | TF to stock in trans. | Stock type: Unrestricted use

Plant: SE/OMC/Vjayawada | 5105 | Storage Location: B202 | Goods recipient: | Unloading Point: | Text: |

☒ Item OK | Line: 1

**STEP-41:** Document is O.K message is displayed in status bar as shown below. Now click **post** as indicated below.

Goods Issue Purchase Order 6000001813 - PURANAM RAMALINGA SARAN

Show Overview | Hold | Check | **Post** | Help

Document Date: 03.10.2018 | Posting Date: 03.10.2018 | 3 Collective Slip

Material Slip: | Doc.Header Text: |

Line	St...	Mat. Short Text	OK	Qty in UnE	E...	Plnt	SLoc	Plant	Batch	Val
1	✓	ALUMINIUM CABLE SCRAP	✓	150	KG	SE/OMC/Vja	220KVChillakallu		5105	

Material | Quantity | Where | Purchase Order Data | Stock Transfer | Account Assignment

Movement type: 351 | TF to stock in trans. | Stock type: Unrestricted use

Plant: SE/OMC/Vjayawada | 5105 | Storage Location: 220KVChillakallu | B202 | Goods recipient: | Unloading Point: | Text: |

☒ Item OK | Line: 1

☒ Document is O.K.

**STEP-42:** A material document would be posted and document number would be displayed in status bar. In the present example, document no: **4900012228** has been posted as indicated below. The same would also be updated in devolution maintenance order, as shown in second screen shot below. Click **execute** button against **GI Virtual LOC to Transit Stock** to view the details of **material document** created, as shown in third screen shot below.

**Goods Issue Purchase Order - PURANAM RAMALINGA SARAN**

Show Overview | Hold | Check | Post | Help

A07 Goods Issue | R01 Purchase Order | TF to stock in trans. 351

**General**

Document Date: 04.10.2018  
Posting Date: 04.10.2018  
☐ 3 Collective Slip

Material Slip: \_\_\_\_\_  
Doc.Header Text: \_\_\_\_\_

Line	Mat. Short Text	OK	Qty in UnE	E...	Plnt	SLoc	Plant	Batch

Delete | Contents

**Material** | Quantity | Where


Material document 4900012228 posted


**Change Devolution Order 900000323: Central Header**



Order: DV01 900000323 Devolution of Aluminium Cable Scrap  
 Sys.Status: REL GMPS MACM PRC SETC

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

**DEVOLUTION DETAILS**

RE for Order ☒ 

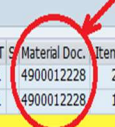
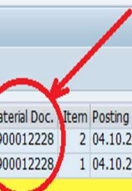
Devolution PO ☒ 

**GI Virtual Loc to Transit stock** ☒  

RE Transit stock to central stores ☐

**Material Document List**

Material	Material Description	Σ	Loc.curr.amount	Plant	SLoc	MvT	Material Doc.	Item	Posting Date	Qty in unit of entry	EUn	PO	Delivery	WBS
20000021	ALUMINIUM CABLE SCRAP		0.00	1040		351	4900012228	2	04.10.2018	150	KG	6000001813		
20000021	ALUMINIUM CABLE SCRAP		0.00	5105	8202	351	4900012228	1	04.10.2018	150	KG	6000001813		
			0.00											

With the above step, the stock of devoluted material is transferred from **local O&M storage location** to **Transit Stock** in Central Stores. The role of field O&M wing in SAP pertaining to devolution Process completes with this step.

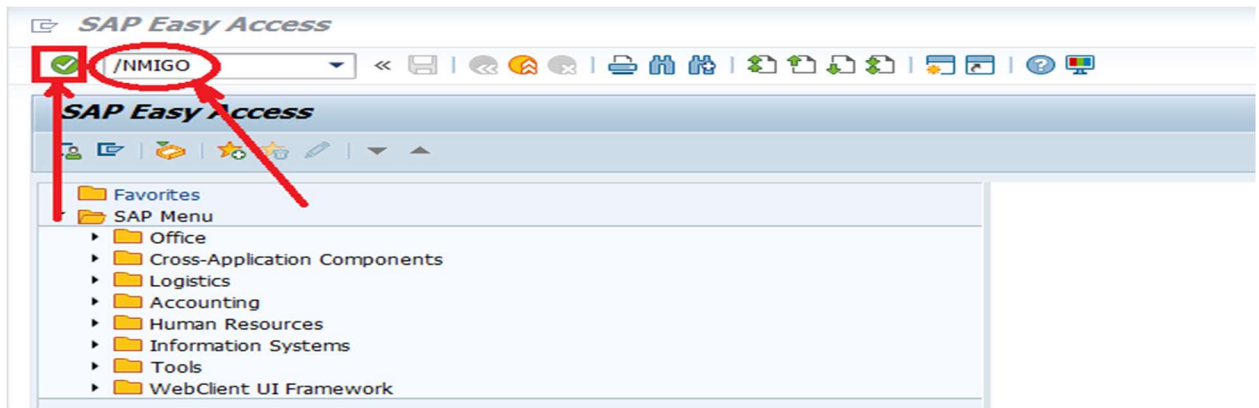
The next action to receive the devoluted material from **transit stock** into **un restricted stock** in central stores should be performed by the concerned stores authorities, as illustrated below.



**Stage-IV:**

**Receipt of Material from Transit Stock into Selected Storage Location in Central Stores:**

**STEP-43:** This is the last stage in the devolution process. Steps involved in this stage are performed by the concerned stores officials. Enter T-code **/NMIGO** in the command field and click **enter** as shown below.



**STEP-44:** Select the following in the four fields in the **MIGO** screen as indicated below, and as shown in below screen shot and click **enter** button.

- a) Trans/Event field: **A01 Goods Receipt**
- b) Reference Document: **R01 Purchase Order**
- c) Order Number: **Enter the devolution Purchase Order number, created in STEP-36 above.**
- d) Delivery Note: **Any text relevant to receipt of devolution.**  
(Mandatory Free text field)
- e) GR goods receipt : **101 (Movement type)**

**Goods Receipt Purchase Order - PURANAM RAMALINGA SARAN**

Show Overview | Hold | Check | Post | Help

**A01 Goods Receipt** **R01 Purchase Order** 6000001813 GR goods receipt 101

General Vendor Invoice / Dc Number Scheme Code

Document Date 04.10.2018 Delivery Note Devolution Recei  
 Posting Date 04.10.2018 Bill of Lading HeaderText

☐ 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E...	Sloc	Batch	Valuation ...	M...	D

Material Quantity Where

**STEP-45:** It may be noted that material details in **Devolution Purchase order** would flow into **MIGO** screen as shown below.

Now click **quantity** tab and verify the **quantity of material devoluted**. In this tab, received quantity should be entered in **Qty in Delivery Note** field also as shown below.

**Goods Receipt Purchase Order 6000001813 - PURANAM RAMALINGA SARAN**

Show Overview | Hold | Check | Post | Help

Document Date 04.10.2018 Delivery Note DEVOLUTION RECEI Vendor SE/OMC/Vilayawada  
 Posting Date 04.10.2018 Bill of Lading HeaderText

☐ 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E...	S...	Sloc	Profit Center	Batch
1	ALUMINIUM CABLE SCRAP	<input type="checkbox"/>	150		KG		1000	

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

Qty in Unit of Entr 150 KG  
 Qty in SKU 150 KG  
 Qty in Delivery Note 150  
 Quantity Ordered 150 KG  
 Issued Quantity 150

No. Containers



**STEP-46:** Click **Where** tab and click **search** button beside storage location field. In the list displayed, select the storage location and click **enter** button in the pop up window, as shown below. Further verify whether **movement type 101** is present.

The screenshot shows the SAP interface for a Goods Receipt Purchase Order. The 'Where' tab is active, displaying the movement type 101 and the plant 1040. A search for storage location is performed, showing a list of storage locations with 'GDOO' selected. The search results are as follows:

Sloc	Description
GDOI	GDL O&M ID
GDOO	GDL O&M OD
GDPI	GDL Project ID
GDPO	GDL Project OD
GDRI	GDL RMI ID
GDRO	GDL RMI OD
GDVI	GDL Virtual ID
GDVO	GDL Virtual OD

**STEP-47:** In the same tab, if any remarks pertaining to the devolution transaction are to be recorded, same can be entered in the **Text** field as indicated below. Check **Item OK** check box and click **Check** button as shown in the below screen shot.

**Goods Receipt Purchase Order 6000001813 - PURANAM RAMALINGA SARAN**

Show Overview | Hold | **Check** | Post | Help

Document Date: 04.10.2018 | Delivery Note: DEVOLUTION RECEI | Vendor: SE/OMC/Vijayawada  
 Posting Date: 04.10.2018 | Bill of Lading: | HeaderText: |  
☐ 3 Collective Slip

Line	Mat. Short Text	OK	Qty in UnE	E...	S...	SLoc	Profit Center	Batch
1	ALUMINIUM CABLE SCRAP	<input type="checkbox"/>	150	KG			1000	

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

Movement type: 101 | + GR stock in transit | Stock type: Unrestricted use

Plant: TLC Stores - Gunadala | 1040  
 Storage Location: GDOO  
 Goods recipient: |  
 Unloading Point: |

Text: |

☒ Item OK | Line: 1

**STEP-48:** Document is O.K message would be displayed in the status bar as shown below. Now click **Post** as indicated below.

**Goods Receipt Purchase Order 6000001813 - PURANAM RAMALINGA SARAN**

Show Overview | Hold | Check | **Post** | Help

Document Date: 04.10.2018 | Delivery Note: DEVOLUTION RECEI | Vendor: SE/OMC/Vijayawada  
 Posting Date: 04.10.2018 | Bill of Lading: | HeaderText: |  
☐ 3 Collective Slip

Line	St...	Mat. Short Text	OK	Qty in UnE	E...	SLoc	Profit Center
1	<input checked="" type="checkbox"/>	ALUMINIUM CABLE SCRAP	<input checked="" type="checkbox"/>	150	KG	GDL O&M OD	1000

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

Movement type: 101 | + GR stock in transit | Stock type: Unrestricted use

Plant: TLC Stores - Gunadala | 1040  
 Storage Location: GDL O&M OD | GDOO  
 Goods recipient: |  
 Unloading Point: |

Text: |

☒ Item OK | Line: 1

☒ Document is O.K.

**STEP-49:** A material document would be posted and the document number would be displayed in status bar as shown below. It may be noted that in the present example **document no: 5000011347** is posted. The document details would also be updated in the **other details/Enhancements** tab of devolution maintenance order, as shown in second screen shot below.

The screenshot displays the SAP 'Goods Receipt Purchase Order - PURANAM RAMALINGA SARAN' window. The 'General' tab is active, showing the following details:

- Document Date:** 04.10.2018
- Posting Date:** 04.10.2018
- Delivery Note:** (Empty field)
- Bill of Lading:** (Empty field)
- HeaderText:** (Empty field)
- 3 Collective Slip:** (Selected)

Below the 'General' tab, there is a table with columns: Line, Mat. Short Text, OK, Qty in UnE, E..., SLoc, Batch, Valuation ..., and M... The table is currently empty.


At the bottom of the screen, a status bar message is visible: **Material document 5000011347 posted**. A red arrow points to this message.


**Change Devolution Order 900000323: Central Header**


Order: DV01 900000323 Devolution of Aluminium Cable Scrap  
 Sys.Status: REL GMPS MACM PRC SEIC



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

**DEVOLUTION DETAILS**

RE for Order ☒ 

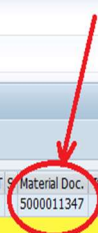
Devolution PO ☒ 

GI Virtual Loc to Transit stck ☒ 

**RE Transit stck to central stores** ☒  

**Material Document List**

Material	Material Description	Σ	Loc.curr.amount	Plant	SLoc	MvT	Material Doc.	Item	Posting Date	Qty in unit of entry	EUUn	PO	Delivery	WBS
20000021	ALUMINIUM CABLE SCRAP		0.00	1040	GD00	101	5000011347	1	04.10.2018	150	KG	6000001813		
			0.00											

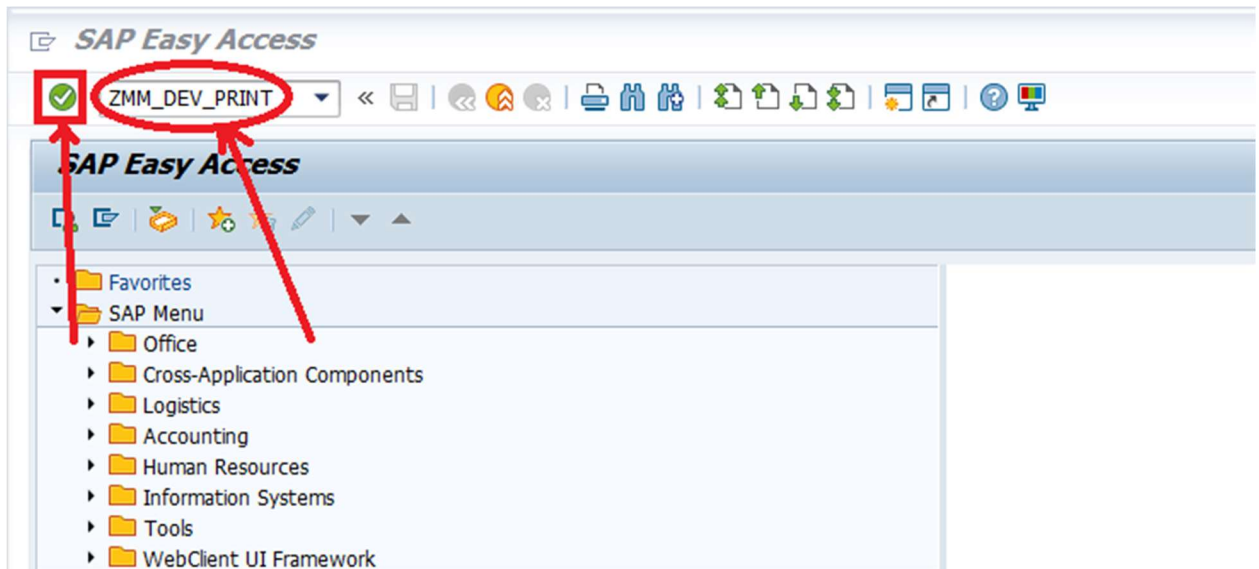


With this, the process of devolution would be completed.

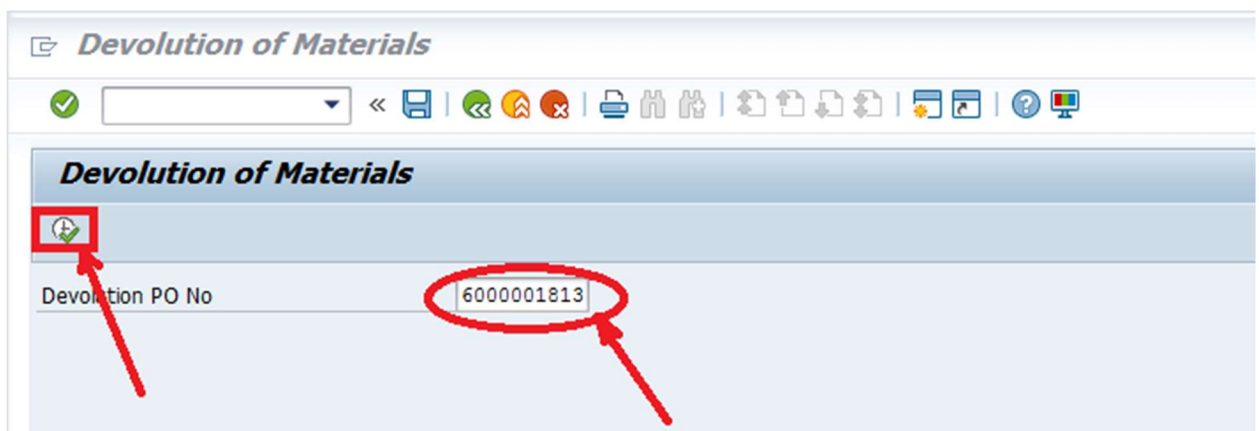
### **Process of Creation of Devolution Report:**

This report is for taking a print out of devolution document by field O&M wing for approaching stores while handing over of devoluted material in Central stores.

**Step-1:** Enter T-Code **ZMM\_DEV\_PRINT** in the command field, and click enter as indicated below.



**Step-2:** Enter the **Devolution PO** number and click **execute** button as indicated below.



**Step-3:** Enter **LP01** in **Output Device** field and click **Print Preview** button as shown below.



**Step-4:** A report as shown below would be displayed indicating the details of devolution. It may be noted that material details, quantity, maintenance order number, Devolution PO number, supplying plant and receiving plant etc would be displayed in the report.



**TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED**  
**Devolution of Materials**

Store : 1040-TLC Stores - Gunadala

Maintenance Order No : 000900000323      Devolution Order No : 6000001813  
 Created Date : 03.10.2018  
 Name of the Work : MAINTENANCE-Devolution of Aluminium Cable Scrap

Sl.	Material No	Description	Qty	UoM	Supplying Plant	Receiving Plant	Reference
1	20000021	ALUMINIUM CABLE SCRAP	150.000	KG	5105-SE/OMC/Vijayawada	1040	4900012228

Remarks :

Signature  
Assistant Engineer

Counter Signed  
Assistant Divisional Engineer

Received  
Assistant Engineer

**Step-5:** For saving the report in the local computer system, enter **PDF!** in the command field, and click enter as shown below.

Print Preview of LP01 Page 00001 of 00001

PDF!

Print Preview of LP01 Page 00001 of 00001

Archive Print and Archive

**TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED**  
**Devolution of Materials**  
 Store : 1040-TLC Stores - Gunadala

Maintenance Order No : 000900000323 Devolution Order No : 6000001813  
 Created Date : 03.10.2018  
 Name of the Work : MAINTENANCE-Devolution of Aluminium Cable Scrap

Sl.	Material No	Description	Qty	UoM	Supplying Plant	Receiving Plant	Reference
1	20000021	ALUMINIUM CABLE SCRAP	150.000	KG	5105-SE/OMC/Vijayawada	1040	4900012228

**Step-6:** Provision for saving the report locally would be populated as indicated below.

Print Preview of LP01 Page 00001 of 00001

PDF Preview

Save Print Zoom In Zoom Out Print

**TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED**  
**Devolution of Materials**  
 Store : 1040-TLC Stores - Gunadala

Maintenance Order No : 000900000323 Devolution Order No : 6000001813  
 Created Date : 03.10.2018  
 Name of the Work : MAINTENANCE-Devolution of Aluminium Cable Scrap

Sl.	Material No	Description	Qty	UoM	Supplying Plant	Receiving Plant	Reference
1	20000021	ALUMINIUM CABLE SCRAP	150.000	KG	5105-SE/OMC/Vijayawada	1040	4900012228

Remarks :

Signature Assistant Engineer Counter Signed Assistant Divisional Engineer Received Assistant Engineer

Page no: 1 / 1