

SAP-PLANT MAINTENANCE MODULE (PM)

Procurement of External Services in O&M

(Creation of purchase requisition)

In O&M of EHT Sub stations and lines, various works are got executed through external agencies. The selection of external agency is done through open tenders/Limited tenders/nomination process as per the delegation of powers in AP Transco.

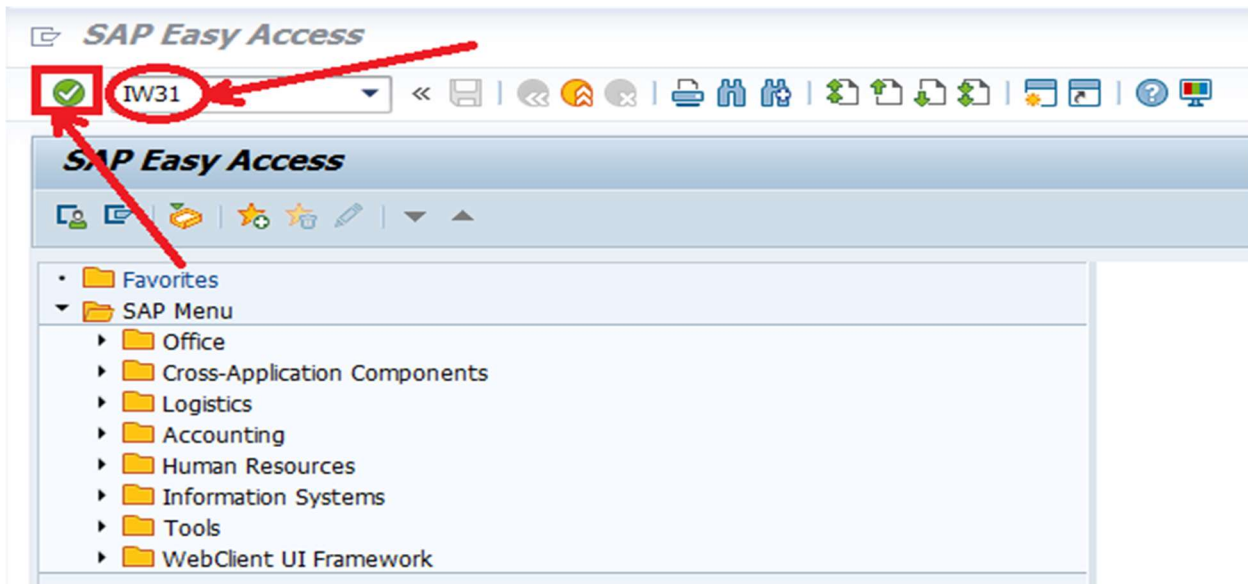
The functional process of selection of contractor for execution of the required work is not mapped in SAP application implemented in AP Transco. The choosing of contractor is done outside SAP ERP through e-procurement process or otherwise, depending upon value of contract.

Whenever financial commitment is involved in execution of any activity, a maintenance order should inevitably be created in SAP since the O&M expenditure is booked to the concerned **cost centre** only through maintenance order. The necessary work estimate for procurement of external services is created through maintenance order. In SAP, the work estimate is denoted as **Purchase Requisition**.

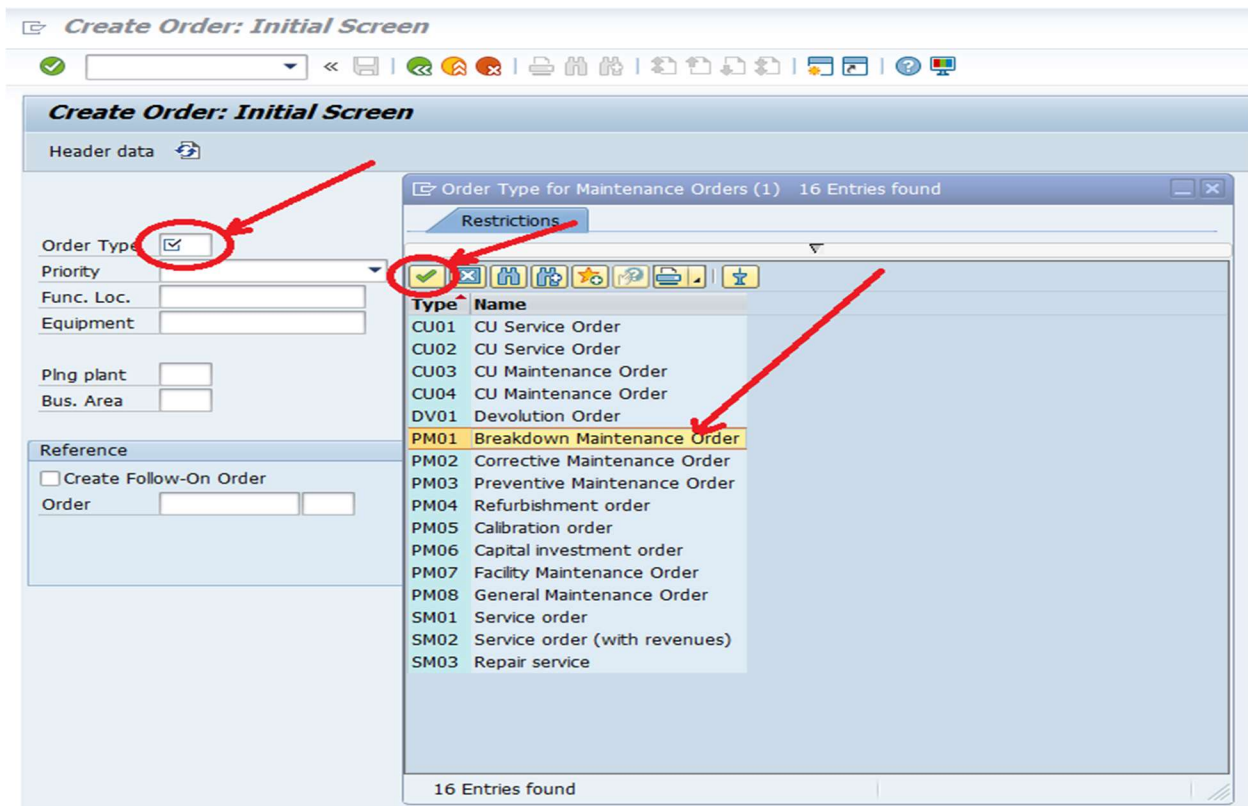
In this document, step by step procedure of creation of **work estimate (i.e. Purchase Requisition)** for procurement of external service through maintenance order is illustrated, with relevant SAP screen shots.

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 circle highlights the '2 High' option, and a red arrow points to it. The 'Order Type' is 'PM01'. The 'Func. Loc.' and 'Equipment' fields are empty. The 'Plng plant' and 'Bus. Area' fields are also 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 red circle, 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 also 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	Plnt
5105	FB-132KV-CHKL-KDAD-01	FB-132KV-CHILLAKALLU-KODAD-01	5105
5105	FB-132KV-CHKL-KHAM-01	FB-132KV-CHILLAKALLU-KHAMMAM-01	5105
5105	FB-132KV-CHKL-KSMI-01	FB-132KV-CHILLAKALLU-KUSIMANCHI-01	5105
5105	FB-132KV-CHKL-MDRA-01	FB-132KV-CHILLAKALLU-MADHIRA-01	5105
5105	FB-132KV-CHKL-NDGM-01	FB-132KV-CHILLAKALLU-NANDIGAMA-01	5105
5105	FB-132KV-CHKL-RLYF-01	FB-132KV-CHILLAKALLU-RAILWAY TRCTN-01	5105
5105	FB-132KV-CHKL-RLYF-02	FB-132KV-CHILLAKALLU-RAILWAY TRCTN-02	5105
5105	FB-132KV-CHKL-RMCO-01	FB-132KV-CHILLAKALLU-RAMCO CEMNTS-01	5105
5105	FB-132KV-CHKL-RPRM-01	FB-132KV-CHILLAKALLU-RAMAPURAM-01	5105
5105	FB-132KV-CHKL-SPRM-01	FB-132KV-CHILLAKALLU-SEETHAPURAM-01	5105
5105	FB-220KV-CHKL-KDPL-01	FB-220KV-CHILLAKALLU-KONDAPALLY-01	5105
5105	FB-220KV-CHKL-KDPL-02	FB-220KV-CHILLAKALLU-KONDAPALLY-02	5105
5105	FB-220KV-CHKL-NKPL-01	FB-220KV-CHILLAKALLU-NARKET PALLI-01	5105
5105	FB-220KV-CHKL-SRPT-01	FB-220KV-CHILLAKALLU-SURYAPET-01	5105
5105	FB-220KV-CHKL-VTPS-01	FB-220KV-CHILLAKALLU-VTPS-01	5105
5105	FB-220KV-CHKL-VTPS-02	FB-220KV-CHILLAKALLU-VTPS-02	5105
5105	FB-33KV-CHKL-ANPL-01	FB-33KV-CHILLAKALLU-ANUMANCHIPALLI-01	5105
5105	FB-33KV-CHKL-BLPD-01	FB-33KV-CHILLAKALLU-BALASUPADU-01	5105
5105	FB-33KV-CHKL-CHKL-01	FB-33KV-CHILLAKALLU-CHILLAKALLU-01	5105
5105	FB-33KV-CHKL-HCAG-01	FB-33KV-CHILLAKALLU-HCL AGRO-01	5105
5105	FB-33KV-CHKL-HCLF-01	FB-33KV-CHILLAKALLU-HEMADRI CEMNT-01	5105
5105	FB-33KV-CHKL-HRTX-01	FB-33KV-CHILLAKALLU-HARINI TEXTILES-01	5105
5105	FB-33KV-CHKL-JPTF-01	FB-33KV-CHILLAKALLU-JAGGAIAHPET-01	5105
5105	FB-33KV-CHKL-LNGL-01	FB-33KV-CHILLAKALLU-LINGALA-01	5105
5105	FB-33KV-CHKL-PPRL-01	FB-33KV-CHILLAKALLU-PENUGANCHI PROLU-01	5105
5105	FB-33KV-CHKL-SAIL-01	FB-33KV-CHILLAKALLU-SAIL-01	5105
5105	SS-220KV-CHKL	CHILLAKALLU -220/132/33KV-SS	5105

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: CRID MANC NTUP

HeaderData Operations Components Costs Partner Objects Additional Data

Person responsible

PlannerGrp: M05 / S105 MNT1 2CHILLAKALLU

Mn.wk.ctr: MNT / S105 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-10: Now click the **operations tab** for creation of purchase requisition (work estimate). It may be noted that the description of work entered in central header tab as above is updated by default as the first activity with **activity number: 0010**. Description of activity can be changed here if required.

The control key **PM01** indicates that the activity is performed with internal resources of AP Transco.

Create Breakdown Maintenance Order : Central Header

Order: PM01 %000000000001 Replacement of 220kv SF6 circuitbreaker

Sys.Status: CRID MANC NTUP

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

Person responsible

PlannerGrp: M05 / S105 MNT1 2CHILLAKALLU

Mn.wk.ctr: MNT / S105 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

Create Breakdown Maintenance Order : Operation Overview

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

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

STEP-11: In case the activity is performed by awarding the work to external agency, the control key should be changed as **PM03**. For changing the control key click the search button beside the control key button. In the pop up window populated, select the radio button opposite to **PM03** and click **enter** button in the pop up window as indicated in the below screen shot.

Create Breakdown Maintenance Order : Operation Overview

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

HeaderData Operations Components Costs

Act	SOp	Work ctr	Plant	Co...	StTex
0010	MNT		5105	PM01	
0020	MNT		5105	PM01	
0030	MNT		5105	PM01	
0040	MNT		5105	PM01	
0050	MNT		5105	PM01	
0060	MNT		5105	PM01	
0070	MNT		5105	PM01	
0080	MNT		5105	PM01	
0090	MNT		5105	PM01	
0100	MNT		5105	PM01	
0110	MNT		5105	PM01	
0120	MNT		5105	PM01	
0130	MNT		5105	PM01	
0140	MNT		5105	PM01	

Control Key Selection

Control Key Overview

S...	Contr...	Text for Control Key	External Processing
<input type="radio"/>	PM01	Plant maintenance - internal	Internally ... 2
<input type="radio"/>	PM02	Plant maintenance - external	+ Externally ...
<input checked="" type="radio"/>	PM03	Plant maintenance-External(services)	+ Externally ...
<input type="radio"/>	PM05	Plant maintenance - internal (service)	Internally ... 2
<input type="radio"/>	PM07	Compatible units - no costs	Internally ... 3
<input type="radio"/>	PP01	Routing/Rct. op. set - internal proc.	Internally ... 1
<input type="radio"/>	PP02	Routing/Rct. op. set - external proc.	+ Externally ... 1

Control Key: PM03 Plant maintenance-External(services)

Indicator

☐ Schedule ☐ Print Time Tickets

☐ Determine Capacity Reqmts ☒ Print

☒ Cost ☐ Print Confirmation

☐ Automatic Goods Receipt ☐ Scheduling External Op.

☐ Insp. Characteristics ☐ + Externally processed operation

☐ Rework ☐ Confirmation possible but not necessary

☒ Service

General Internal External Dates Act.

STEP-12: It may be noted that the control key field in the operation over view screen is now changed to **PM03**. Click the **enter** button as shown below.

Order Edit Goto Extras Environment System Help

Create Breakdown Maintenance Order : Operation Overview

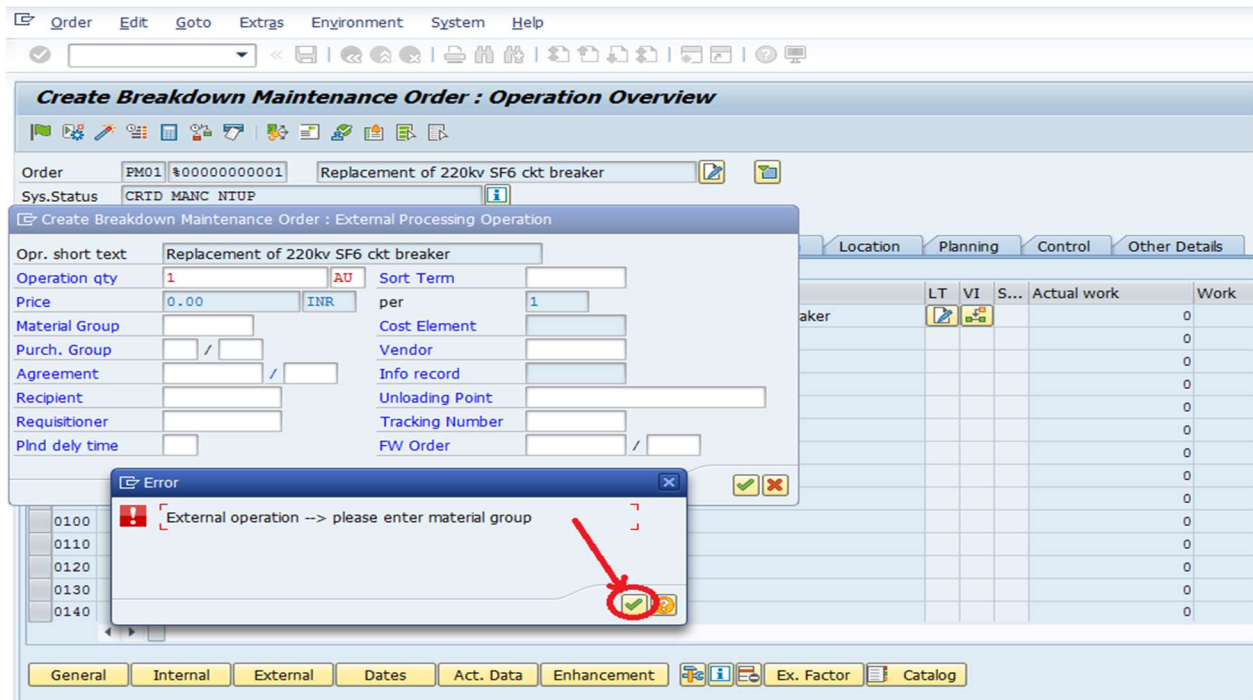
Order: PM01 %00000000001 Replacement of 220kv SF6 ckt breaker
 Sys.Status: CRID MANC NTUP

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

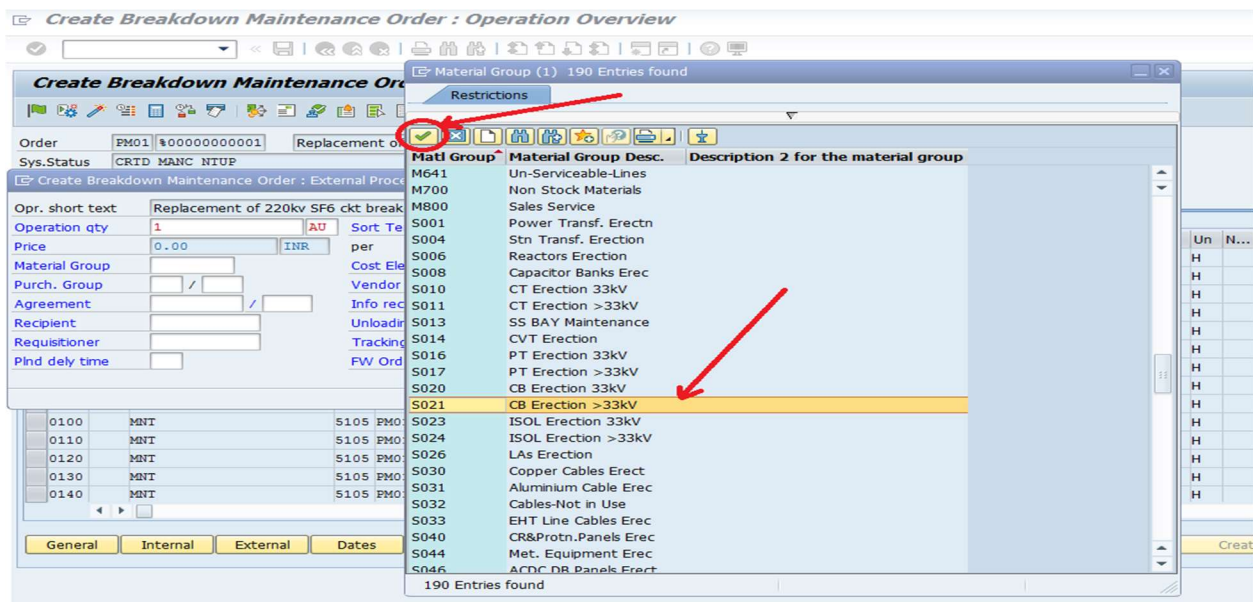
Act	SOp	Work ctr	Plant	Co...	StTextK	S...	Operation short text	LT	VI	S...	Actual work	Work
0010	MNT		5105	PM03			Replacement of 220kv SF6 ckt breaker				0	0
0020	MNT		5105	PM01							0	0
0030	MNT		5105	PM01							0	0
0040	MNT		5105	PM01							0	0
0050	MNT		5105	PM01							0	0
0060	MNT		5105	PM01							0	0
0070	MNT		5105	PM01							0	0
0080	MNT		5105	PM01							0	0
0090	MNT		5105	PM01							0	0
0100	MNT		5105	PM01							0	0
0110	MNT		5105	PM01							0	0
0120	MNT		5105	PM01							0	0
0130	MNT		5105	PM01							0	0
0140	MNT		5105	PM01							0	0

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

STEP-13: Two popup windows would be populated as shown below. Click **enter** button in the first pop up button as shown below.



STEP-14: Now in the second popup window, click the search button beside the material group field. In the list of material groups, material groups for both materials and services would be displayed. The material groups for materials start with the letter 'M' and those for services start with letter 'S'. Select the appropriate service material group from the list and click **enter** button as shown below.



STEP-15: Now click the search button beside purchase group field. From the list of purchase groups select the appropriate purchase group and click **enter** button.

Create Breakdown Maintenance Order : Operation Over

Order: FM01 1000000000001 Replacement of 220kv SF6 ckt breaker
 Sys.Status: CRTD MANC NTUP

Create Breakdown Maintenance Order : External Processing Operation

Opr. short text: Replacement of 220kv SF6 ckt breaker

Operation qty: 1 AU Sort Term
 Price: 0.00 INR per 1
 Material Group: S021 Cost Element
 Purch. Group: / Vendor
 Agreement: / Info record
 Recipient: Unloading Point
 Requisitioner: Tracking Number
 Pind delv time: FW Order: /

Matr. No.	Description	Telephone Fax Number
B33	AEMChillakallu	
B34	AEM Kondapalli	
B35	AEMNUNNA	
B36	AEMGUDIWADA	
B37	AE1EHTL GDL	
B38	AE2EHTL GDL	
B39	AE1EHTL KNDPL	
B40	AE2EHTL KNDPL	
B41	ADE MRTSD1 VJA	
B42	ADE MRTSD2 VJA	
B43	ADE TRE&Prot VJA	
B44	ADE SLDC Nunna	
B45	ADE HOTLINES VJA	
B46	AECIVO&M VJA	
B47	AECIVTLC VJA	
B48	AE Cw S&I VJA	
B49	AE1TLCSD1VJA	
B50	AE2TLCSD1VJA	
B51	AE1TLCSD2VJA	
B52	AE2TLCSD2VJA	
B53	AE1TLCSD3VJA	
B54	AE2TLCSD3VJA	
B55	AE Cw O&M NLR	
B56	AECV O&M OGL	
B57	AE Cw TLC GNT	
B58	AECVCons NLR	
B60	AE TELECOM1 GDL	
B61	AE TELECOM2 GDL	
B62	AETC1 ALDC Nunna	

Entry found

General Internal External Dates Act. Data Enhancement

STEP-16: Click **enter** button as shown below.

The screenshot shows the 'Create Breakdown Maintenance Order : Operation Overview' dialog box in SAP. The dialog contains the following fields and values:

- Order: PM01 \$00000000001
- Replacement of 220kv SF6 ckt breaker
- Sys.Status: CRID MANC NIUP
- Oper. short text: Replacement of 220kv SF6 ckt breaker
- Operation qty: 1
- Price: 0.00
- Material Group: S021
- Purch. Group: B33
- Agreement: /
- Recipient:
- Requisitioner:
- Pnd dely time:

A red arrow points to the 'OK' button (green checkmark icon) in the bottom right corner of the dialog box.

STEP-17: Now select the activity line and click **external** tab at the bottom of the screen as indicated below.

The screenshot shows the 'Create Breakdown Maintenance Order : Operation Overview' screen. The 'External' tab is selected at the bottom. A red arrow points to the 'External' tab, and another red arrow points to the activity line 0010.

Act	SOp	Work ctr	Plant	Co...	StTextK	S...	Operation short text	LT	VI	S...	Actual work	Work
0010	MNT		5105	PM03			Replacement of 220kv SF6 ckt breaker				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	

STEP-18: It may be noted that in **sap**, a **service master** data is maintained. Each service item is created as master data with a unique service code.

Any **service** to be procured from external agency should be available in the **service master**. In the **external processing operation** screen, the various services are to be entered one by one duly selecting the same from the **service master**. In the below shown screen if curser is placed in the **service No** field, a search button can be seen beside the field. Click the search button.

The screenshot shows the 'Create Breakdown Maintenance Order : External Processing Operation' screen. The 'External' tab is selected. The 'Service No.' field is highlighted with a red box, and a red arrow points to the search button next to it.

Line	D..	Service No.	Short Text	Quantity	Un	Gross Price	Crcy	Overf. Tol.	U Cost Elem...	S...
1							INR			
2							INR			
3							INR			
4							INR			

STEP-19: In the popup window appeared the service can be searched through short text field. In the present example 220kv circuit breaker erection service can be selected as shown below.

Note: It may be noted that in the service short text field only text with capital letters should be entered as the search is case sensitive.

Order: 00000000001 Activity: 0010 / Ctrl key: FM03
StdTextKey/ShrtText: Replacement of 220kv SF6 ckt breaker

Operation qty: 1 AU
Price: 0.00 INR
Material Group: S021
Purch. Group: B33 /
Agreement: /
Recipient:
Requisitioner:
Plnd delv time:

Services Components Relationships

Line	D..	Service No.	Short Text
1			
2			
3			
4			

Service Sel. Catalog Line 1

STEP-20: Select the service activity from the list and click **enter** button as indicated below.

Order: 00000000001 Activity: 0010 / Ctrl key: FM03
StdTextKey/ShrtText: Replacement of 220kv SF6 ckt breaker

Operation qty: 1 AU
Price: 0.00 INR
Material Group: S021
Purch. Group: B33 /
Agreement: /
Recipient:
Requisitioner:
Plnd delv time:

Services Components Relationships

Line	D..	Service No.	Short Text
1			
2			
3			
4			

Service Sel. Catalog Line 1

STEP-21: It may be noted that service code is updated in the **Service No** field as shown in the screen shot below. Enter the **quantity** field and click **enter** button as indicated below.

Order: 00000000001 Activity: 0010 / Ctrl key: PM03
StdTextKey/ShrtText: Replacement of 220kv SF6 ckt breaker

General Internal External Dates Act. Data Enhancement

Operation qty: 1 AU Sort Term: per 1
Price: 0.00 INR Cost Element:
Material Group: S021 Vendor:
Purch. Group: B33 / Info record:
Agreement: / Unloading Point:
Recipient: Tracking Number:
Requisitioner: FW Order: /
Plnd delay time:

Line	D.	Service No.	Short Text	Quantity	Un	Gross Price	CrCY	Overf. Tol.	U Cost Elem...	S...
1		CS29-22-1		1			INR			
2							INR			
3							INR			
4							INR			

Service Sel. Catalog Line 1

It may be noted that the **short text** of the selected service item, **gross price** and **cost element (GL account)** fields are updated by the system as defined in service master as shown below. However the gross price can be changed if required.

Order: 00000000001 Activity: 0010 / Ctrl key: PM03
StdTextKey/ShrtText: Replacement of 220kv SF6 ckt breaker

General Internal External Dates Act. Data Enhancement

Operation qty: 1 AU Sort Term: per 1
Price: 17,902.00 INR Cost Element:
Material Group: S021 Vendor:
Purch. Group: B33 / Info record:
Agreement: / Unloading Point:
Recipient: Tracking Number:
Requisitioner: FW Order: /
Plnd delay time:

Line	D.	Service No.	Short Text	Quantity	Un	Gross Price	CrCY	Overf. Tol.	U Cost Elem...	S...
1		CS29-22-1	ERECTION OF 220KV CIRCUIT BREA	1	EA	17,902.00	INR		74100000001	
2							INR			
3							INR			
4							INR			

In the same procedure explained above, any number of sub activities for the main activity **“Replacement of 220kv SF6 ckt breaker”** entered in the **operation over view screen** (refer **step-10** above), can be created.

For example if dismantling of existing circuit breaker is also to be carried out as part of the work, the dismantling work can either be created as a separate main activity or it can also be created as another sub activity.

It may be noted that for all the sub activities under the main activity, same taxes and duties and other conditions as applicable for main activity would be applicable. If different tax is applicable to any activity, the same should inevitably be created as a separate main activity in the **operation over view screen**.

Now in the present example **dismantling of breaker** is also created as a sub activity as shown below by repeating **steps 18 to 21**, assuming that same taxes and other conditions of first sub activity are applicable for this activity also.

Create Breakdown Maintenance Order : External Processing Operation

Order: 000000000001 Activity: 0010 Ctrl key: FM03

StdTextKey/ShrtText: Replacement of 220kv SF6 ckt breaker

General Internal External Dates Act. Data Enhancement

Operation qty: 1 AU Sort Term: per 1

Price: 31,328.50 INR Cost Element: Vendor: Info record: Unloading Point: Tracking Number: FW Order: /

Material Group: S021 Purch. Group: B33 / Agreement: / Recipient: Requisitioner: Plnd delv time: /

Services Components Relationships

Line	D.	Service No.	Short Text	Quantity	Un	Gross Price	Crcy	Overf. Tol.	U Cost Elem...	S...
1		CS29-22-1	ERECTION OF 220KV CIRCUIT BREA...	1	EA	17,902.00	INR		7410000001	
2		CS29-22-1-D	DISMANTLING OF 220KV CIRCUIT B...	1	EA	13,426.50	INR		7410000001	
3							INR			
4							INR			

Service Sel. Catalog Line 1

STEP-22: Now click the **save** button as indicated below.

Create Breakdown Maintenance Order : External Processing Operation

Order: 100000000001 Activity: 0010 / Ctrl key: PM03
StdTextKey/ShrtText: Replacement of 220kv SF6 ckt breaker

General Internal External Dates Act. Data Enhancement

Operation qty: 1 AU Sort Term: per 1
Price: 31,328.50 INR
Material Group: S021 Cost Element:
Purch. Group: B33 / Vendor:
Agreement: / Info record:
Recipient: Unloading Point:
Requisitioner: Tracking Number:
Plnd dely time: FW Order: /

Services Components Relationships

Line	D..	Service No.	Short Text	Quantity	Un	Gross Price	Crcy	Overf. Tol.	U Cost Elem...	S...
1		CS29-22-1	ERECTION OF 220KV CIRCUIT BREA...	1	EA	17,902.00	INR		7410000001	
2		CS29-22-1-D	DISMANTLING OF 220KV CIRCUIT B...	1	EA	13,426.50	INR		7410000001	
3							INR			
4							INR			

Service Sel. Catalog Line 1

STEP-23: In the status bar, system displayed that **order no: 100000834** has been saved. Now click the order in the menu tab as shown below and select **change** option.

Order Edit Goto Extras Environment System Help

Create Breakdown Maintenance Order: Initial Screen

Header data

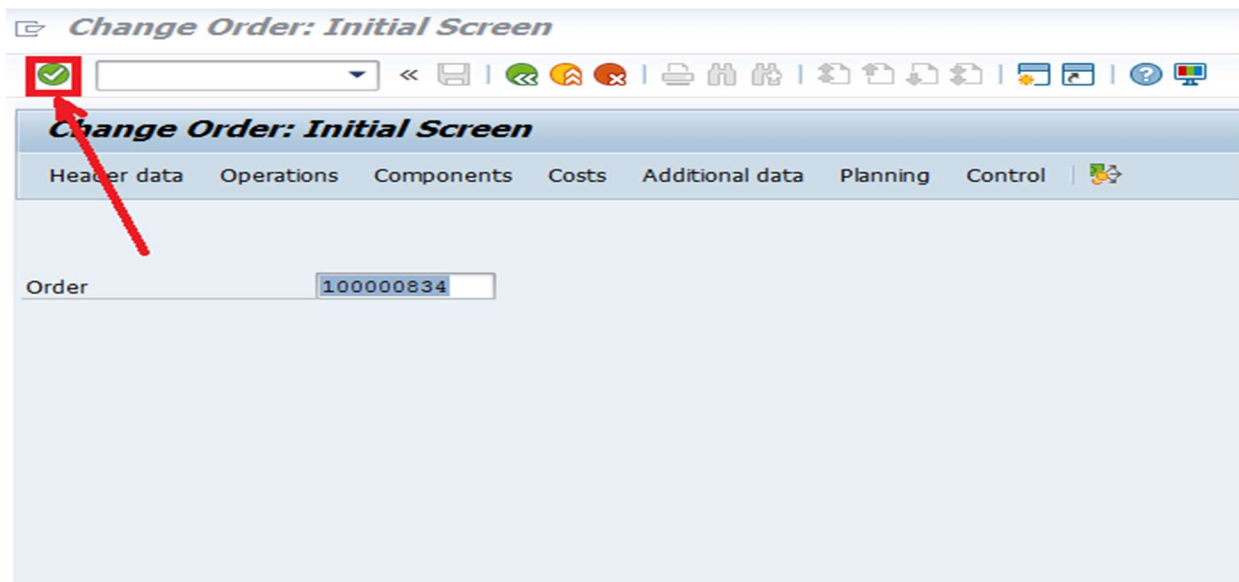
Order Type: PM01
Priority:
Func. Loc.:
Equipment:
Plng plant:
Bus. Area:

Reference

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

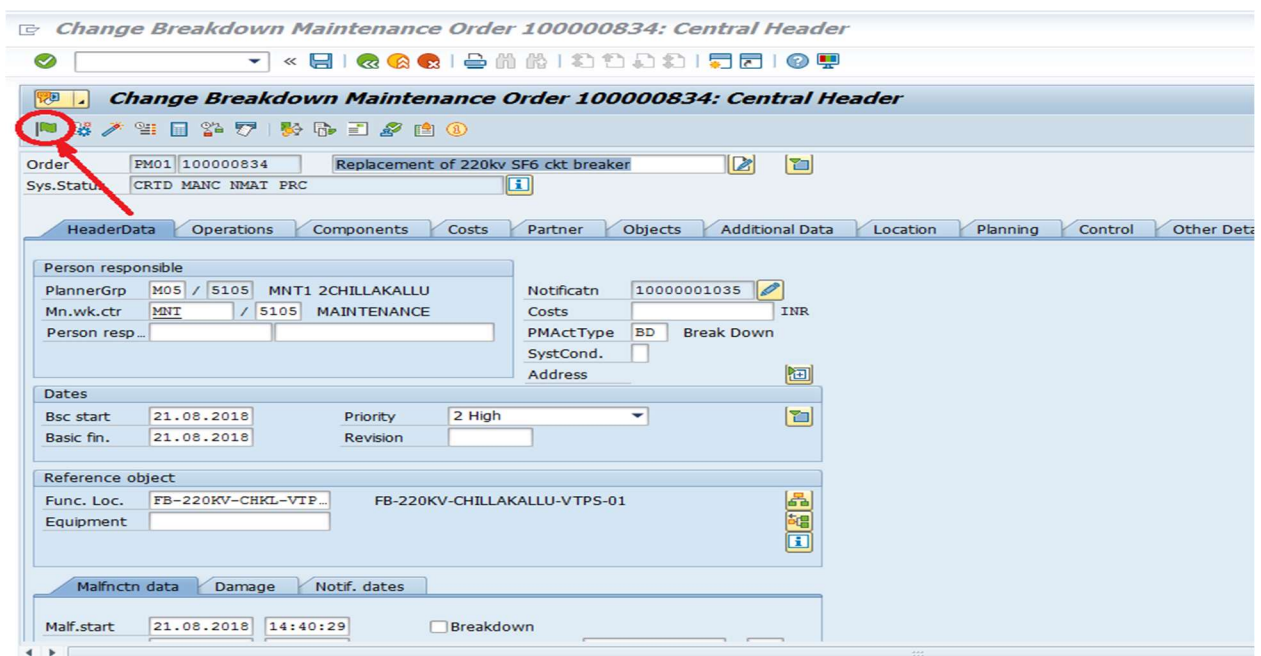
Order 100000834 saved with notification 10000001035

STEP-24: Click **enter** button as shown below.



STEP-25: Now the maintenance order should be released by the concerned Executive Engineer by logging in with his user ID.

Click the **flag symbol** as indicated below, for release of the maintenance order.



STEP-26: Click **save** button as indicated below.

Change Breakdown Maintenance Order 100000834: Central Header

Order: PM01 100000834 Replacement of 220kv SF6 ckt breaker
 Sys.Status: REL NMAI PRC SETC

Complete (business)

HeaderData Operations Components Costs Partner Objects Additional Data Locati

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

Notificatn: 10000001035
 Costs: 0.00 INR
 PMActType: BD Break Down
 SystCond.:
 Address:

Dates
 Bsc start: 21.08.2018 Priority: 2 High
 Basic fin.: 21.08.2018 Revision:

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

Malfnctn data Damage Notif. dates
 Malf.start: 21.08.2018 14:40:29 Breakdown

Order 100000834 will be released after update

Step-27: Click **enter** button as shown below.

Change Order: Initial Screen

Header data Operations Components Costs Additional data Planning Control

Order: 100000834

Order 100000834 saved with notification 10000001035

STEP-28: Click **operations** tab.

Change Breakdown Maintenance Order 100000834: Central Header

Order PM01 100000834 Replacement of 220kv SF6 ckt breaker

Sys.Status CRID MANC NMAT PRC

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

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

Notificatn 10000001035
 Costs INR
 PMActType BD Break Down
 SystCond.
 Address

Dates
 Bsc start 21.08.2018 Priority 2 High
 Basic fin. 21.08.2018 Revision

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

Malfnctn data Damage Notf. dates
 Malf.start 21.08.2018 14:40:29 Breakdown

STEP-29: Select the operation line and click the **Act. Data** tab at the bottom of the screen as indicated below.

Change Breakdown Maintenance Order 100000834: Operation Overview

Order PM01 100000834 Replacement of 220kv SF6 ckt breaker

Sys.Status REL NMAT PRC SEIC

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	PM03			Replacement of 220kv SF6 ckt breaker				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-30: It may be noted that **Purchase requisition no: 5000001165** for procurement of the selected services is created by the system as indicated in below screen shot.

Change Breakdown Maintenance Order 100000834: General Operation Data

Order: 100000834 Activity: 0010 / Ctrl key: PM03
 StdTextKey/ShrtText: Replacement of 220kv SF6 ckt breaker

General Internal External Dates Act. Data Enhancement

Completion confirmation
 Confirmation: 3539 Actual work: 0 H
☐ No Remaining Work Forecast work: 0

Purchasing
 Requisition: **5000001165** GR Qty: 0.000
 Res./Purc. req.: 3 Immediately ☐ Purch. Order Exists

Services Components Relationships

Line	D..	Service No.	Short Text	Quantity	Un	Gross Price	Crcy	Overf. Tol.	U Cost Elem...	S...
1		CS29-22-1	ERECTION OF 220KV CIRCUIT BREA...	1	EA	17,902.00	INR		7410000001	
2		CS29-22-1-D	DISMANTLING OF 220KV CIRCUIT B...	1	EA	13,426.50	INR		7410000001	
3							INR			
4							INR			

Service Sel. Catalog Line 1

STEP-31: Double click the purchase requisition number for navigating into **display purchase requisition** screen.

It may be noted that total gross price of all sub items (two items in present case) is indicated as purchase requisition value as shown below.

Display Purchase Req. 5000001165

Document Overview On | Personal Setting

ZSER Field Service | 5000001165

Header

St.	Item	A	I	Material	Short Text	Quantity	Unit	Val. Price	C	Delivery Date	Matl Group	Plant	Stor. Loc.	PGr	Requisnr.	Tracking...	Vendor
	1	F	D		Replacement of 220kv SF...	1	AU	31,328	D	21.08.2018	CB Erection...	SE/OMC/Vja...		B33		1000008...	

Item: 1 [1] Replacement of 220kv SF6 ckt breaker

Services | Limits | Material Data | Quantities/Dates | Valuation | Account Assignment | Source of Supply | Status | Contact Person | Texts | Delivery A...

AccAssCat: F PM Order | Distribution: Single account assignm... | CoCode: 3000 APTRA...

Unloading Point: | Recipient: |

G/L Account: 7410000001

CO Area: 3000

Cost Center: |

Order: 100000834

Business Proc.: |

Network: |

Commitment item: 99999999

Creation of purchase order against purchase requisition is explained separately.

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