

# SMART FORM

1 -> GO TO - SE11 -> T.CODE

## CREATE STRUCTURE

**Dictionary: Change Structure**

Structure: ZSR\_TEST\_VIKAS Active  
Short Description: Purchase Orders Structure

Attributes Components Input Help/Check Currency/quantity fields

Built-In Type 1 / 5

Component	Typing Method	Component Type	Data Type	Length	Deci...	Coordinate	Short Description	Group
EBELN	Types	EBELN	CHAR	10	0		0 Purchasing Document Number	
EBELP	Types	EBELP	NUMC	5	0		0 Item Number of Purchasing Document	
TXZ01	Types	TXZ01	CHAR	40	0		0 Short Text	
MAINR	Types	MAINR	CHAR	40	0		0 MATERIAL NUMBER	
MEINS	Types	MEINS	UNIT	3	0		0 Base Unit of Measure	

**SAP Form Builder: Change Form ZPURCHASING\_DOCUMENT\_HEADER**

Form: ZPURCHASING\_DOCUMENT\_HEADER Active  
Description: PURCHASING\_DOCUMENT\_HEADER

Import Export Tables Exceptions

Parameter Name	Type Assignment	Associated Type	Default Value	Optional	Pass by ...
ARCHIVE_INDEX	TYPE	TOA_DARA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ARCHIVE_INDEX_TAB	TYPE	TSFDARA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ARCHIVE_PARAMETERS	TYPE	ARC_PARAMS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CONTROL_PARAMETERS	TYPE	SSFCTRLP		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MAIL_APPL_OBJ	TYPE	SWTOBJID		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MAIL_RECIPIENT	TYPE	SWTOBJID		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MAIL_SENDER	TYPE	SWTOBJID		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OUTPUT_OPTIONS	TYPE	SSFCOMPOP		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
USER_SETTINGS	TYPE	TDBOOL	'X'	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DATA_LOW	TYPE	SY-DATUM		<input type="checkbox"/>	<input checked="" type="checkbox"/>
DATE_HIGH	TYPE	SY-DATUM		<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>



SAP Form Builder: Change Window HEADER

Form Painter

Form: ZPURCHASING\_DOCUMENT\_HEADER

- Global Settings
  - Form Attributes
  - Form Interface
  - Global Definitions
- Pages and Windows
  - %PAGE1 New Page
    - HEADER Window
    - MAIN Main Window

Window: HEADER

Description: Window

General Attributes | Output Options | Conditions

Position and Size

Left Margin: 0,50 CM Width: 20,00 CM

Top Margin: 0,50 CM Height: 5,00 CM

Box and Shading

Frames

☐ Lines With

Spacing: 0,00 CM

Color: [Black]

Width: 0,00 PT

Details

Shading

Color: [Black]

Saturation: [0]

(0% = not filled)

☐ Always draw box and shading

Preview

Activate Windows

SAP Form Builder: Change Window HEADER

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Form: ZPURCHASING\_DOCUMENT\_HEADER

- Global Settings
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  - %PAGE1 New Page
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Window: HEADER

Description: Window

General Attributes | Output Options | Conditions

Output Conditions

Define Conditions

Field Name	R..	Comparison Value

And Additional Event

☒ On first page only

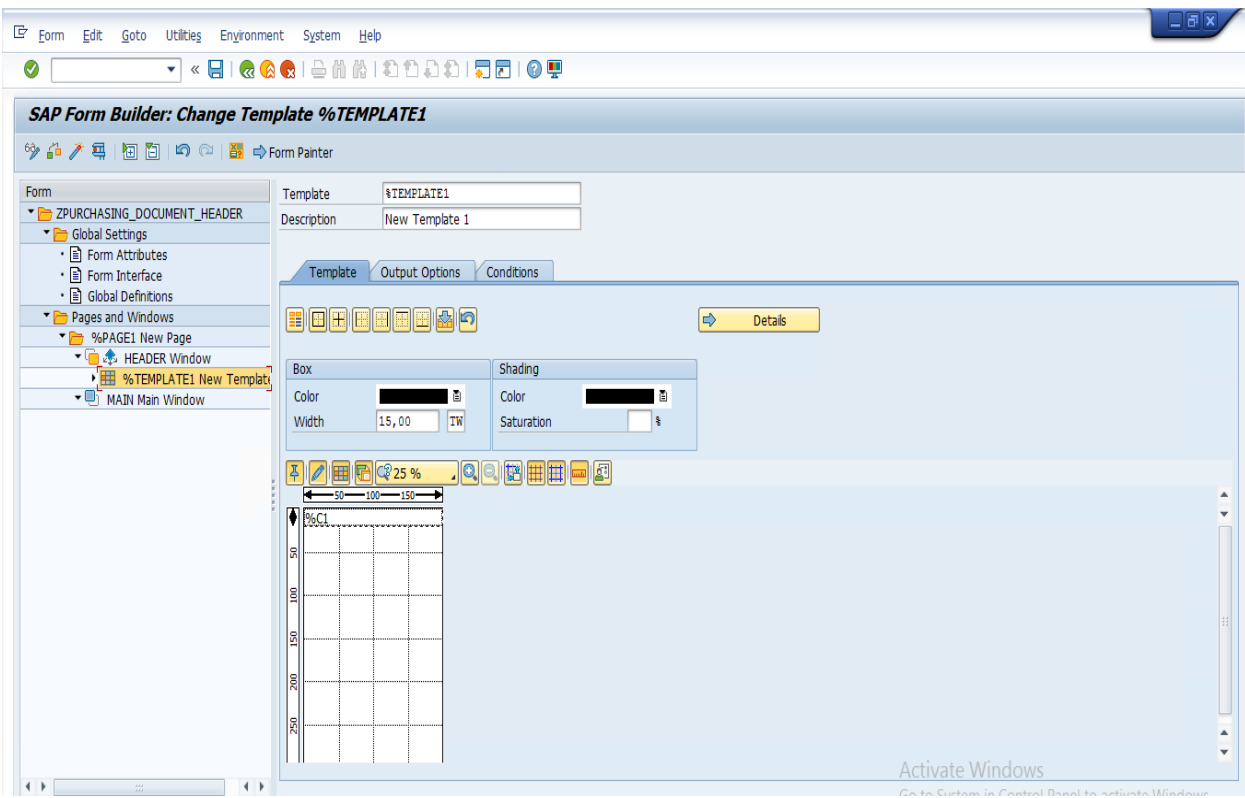
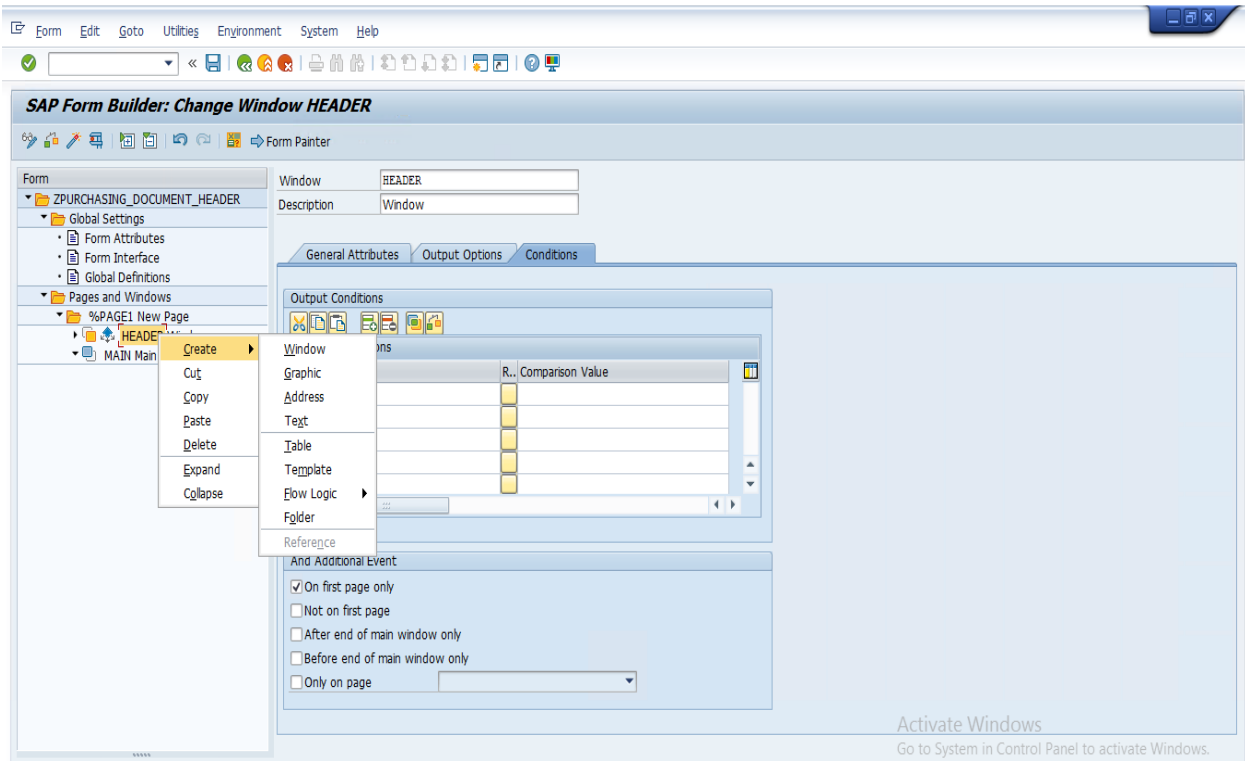
☐ Not on first page

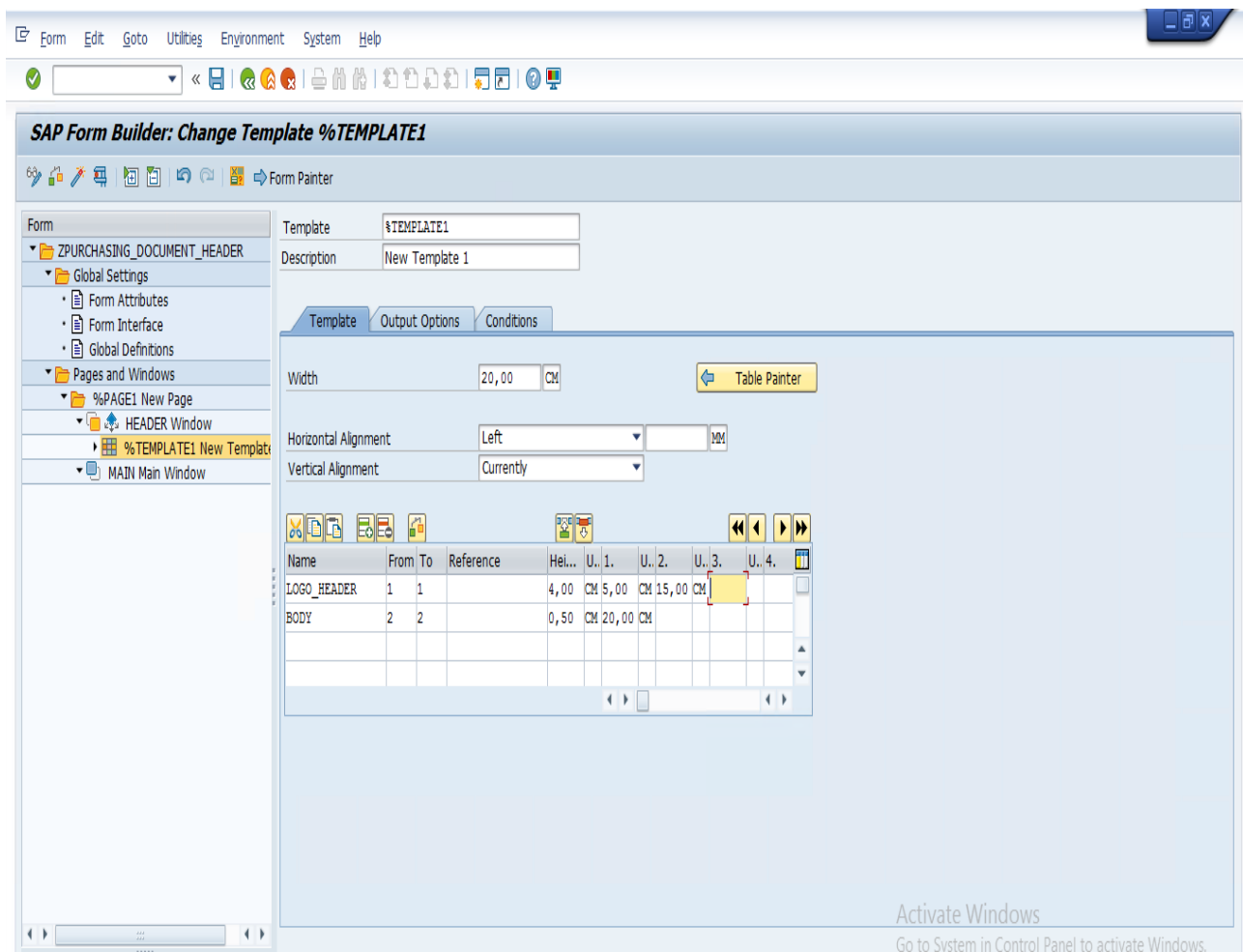
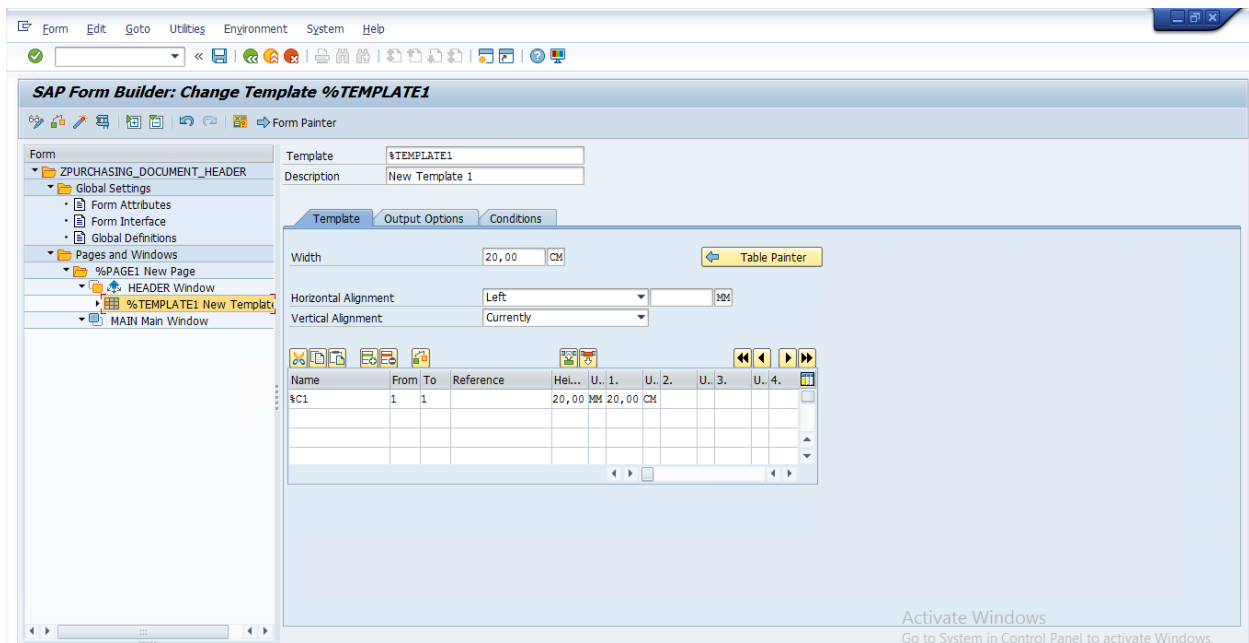
☐ After end of main window only

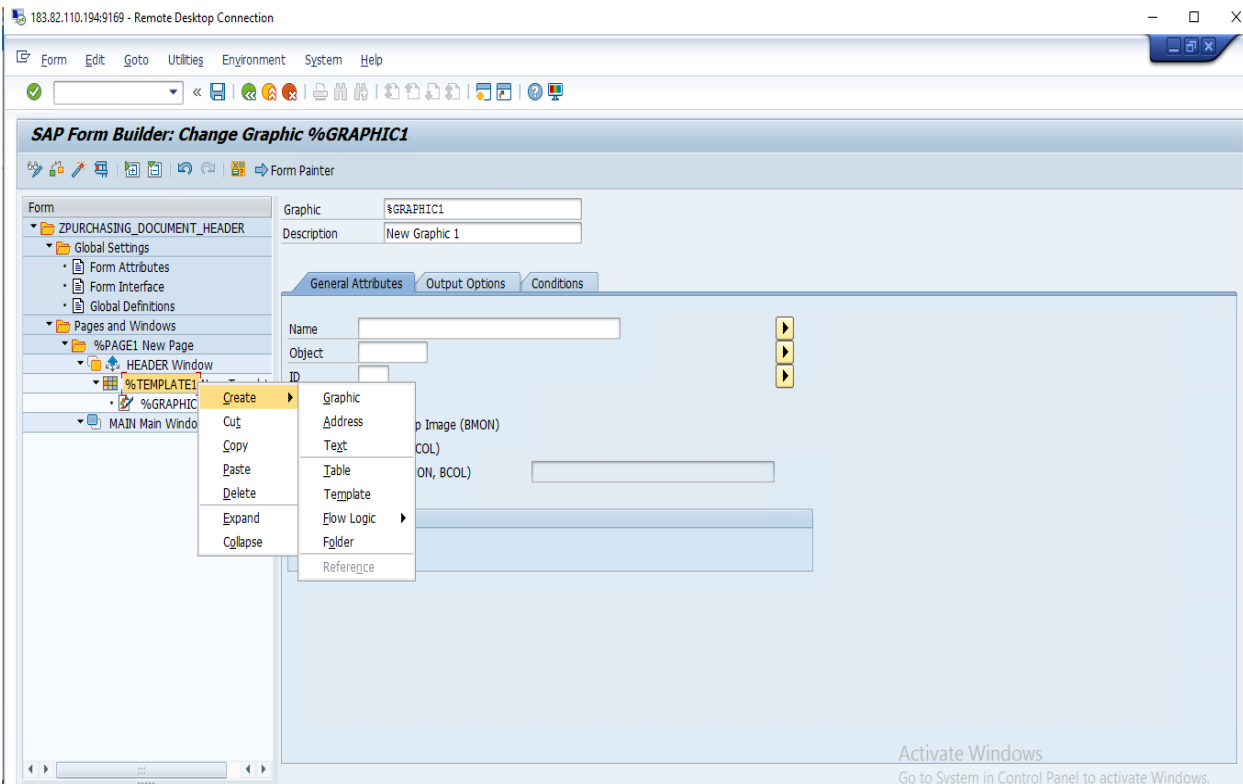
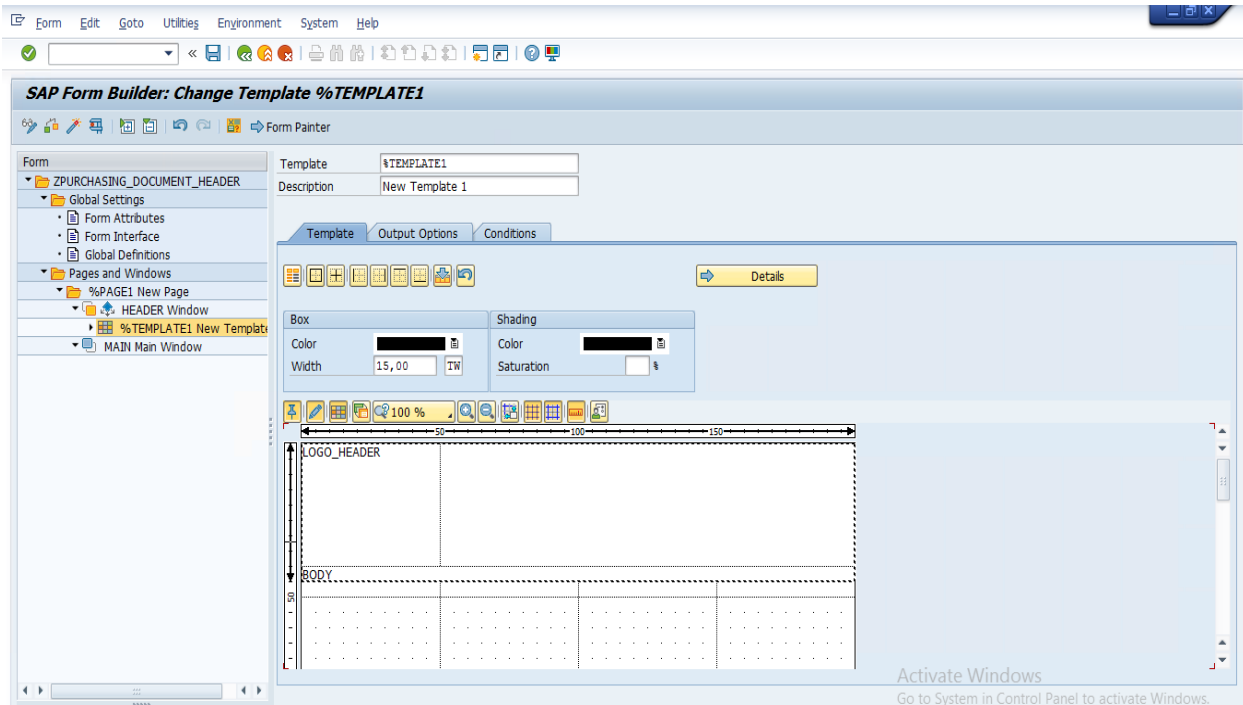
☐ Before end of main window only

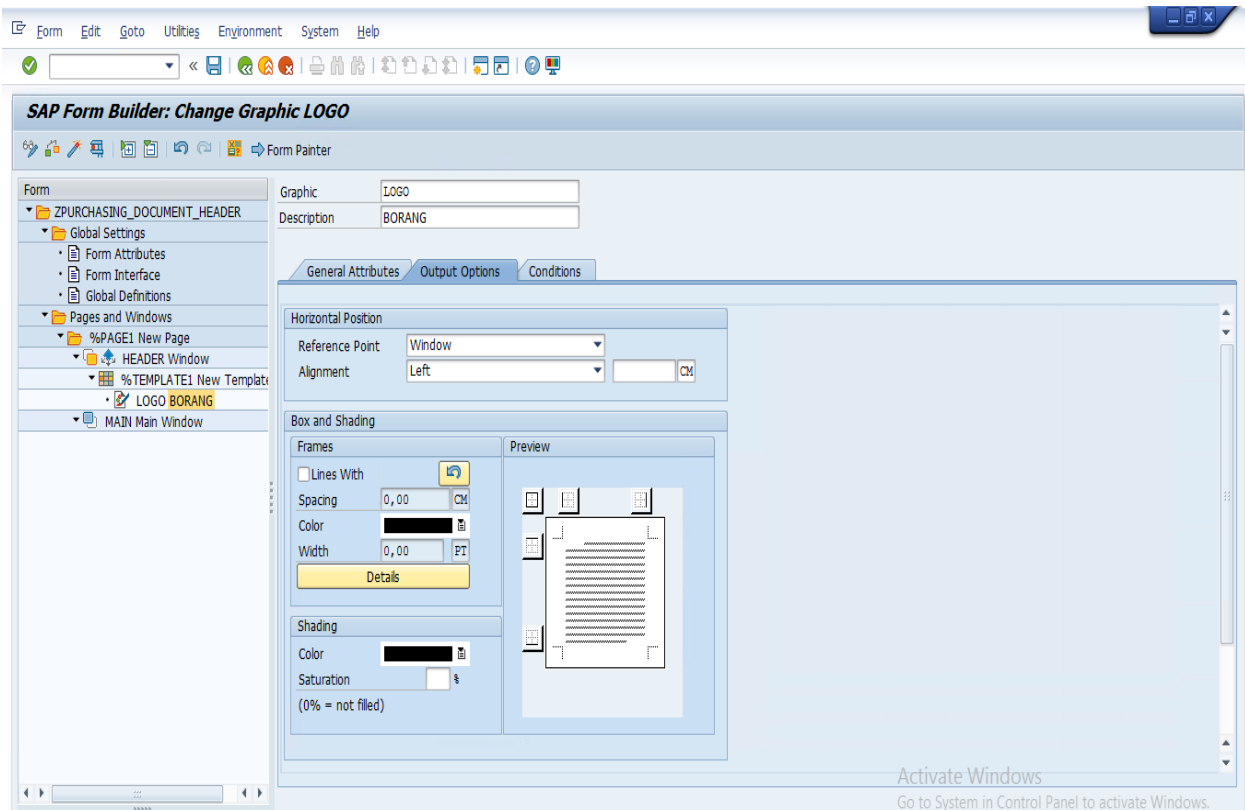
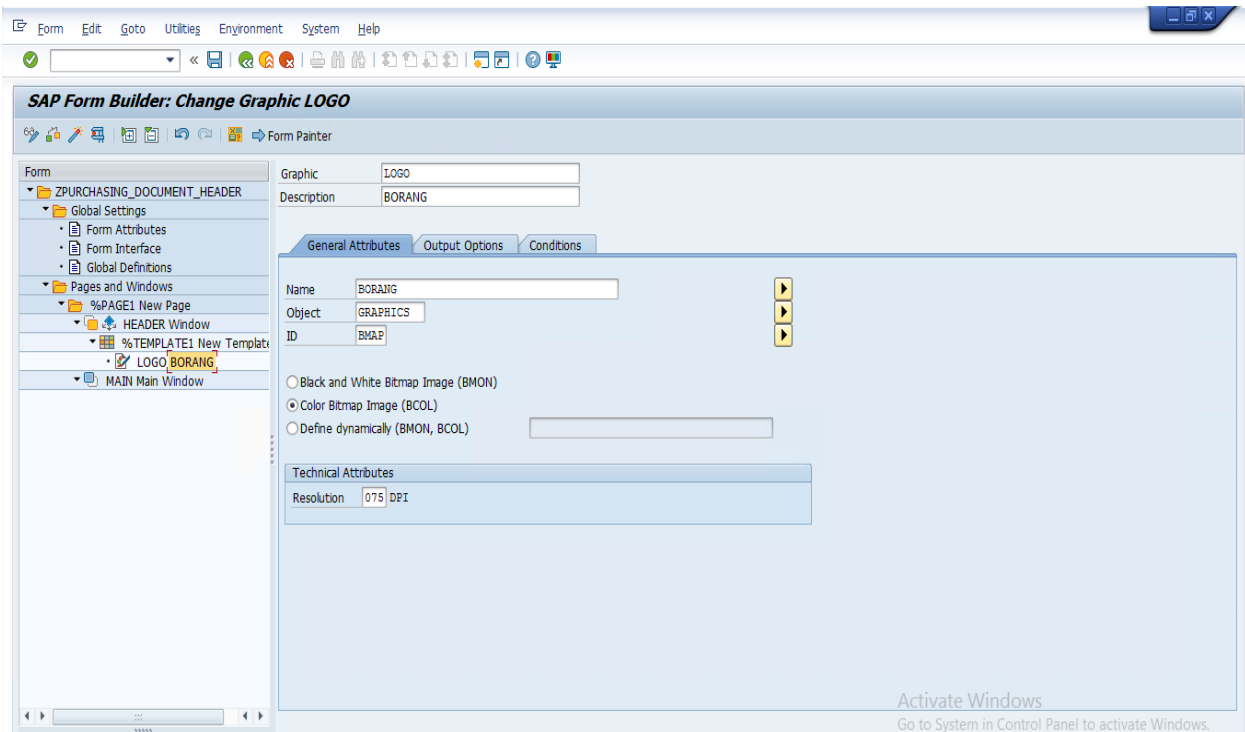
☐ Only on page [ ]

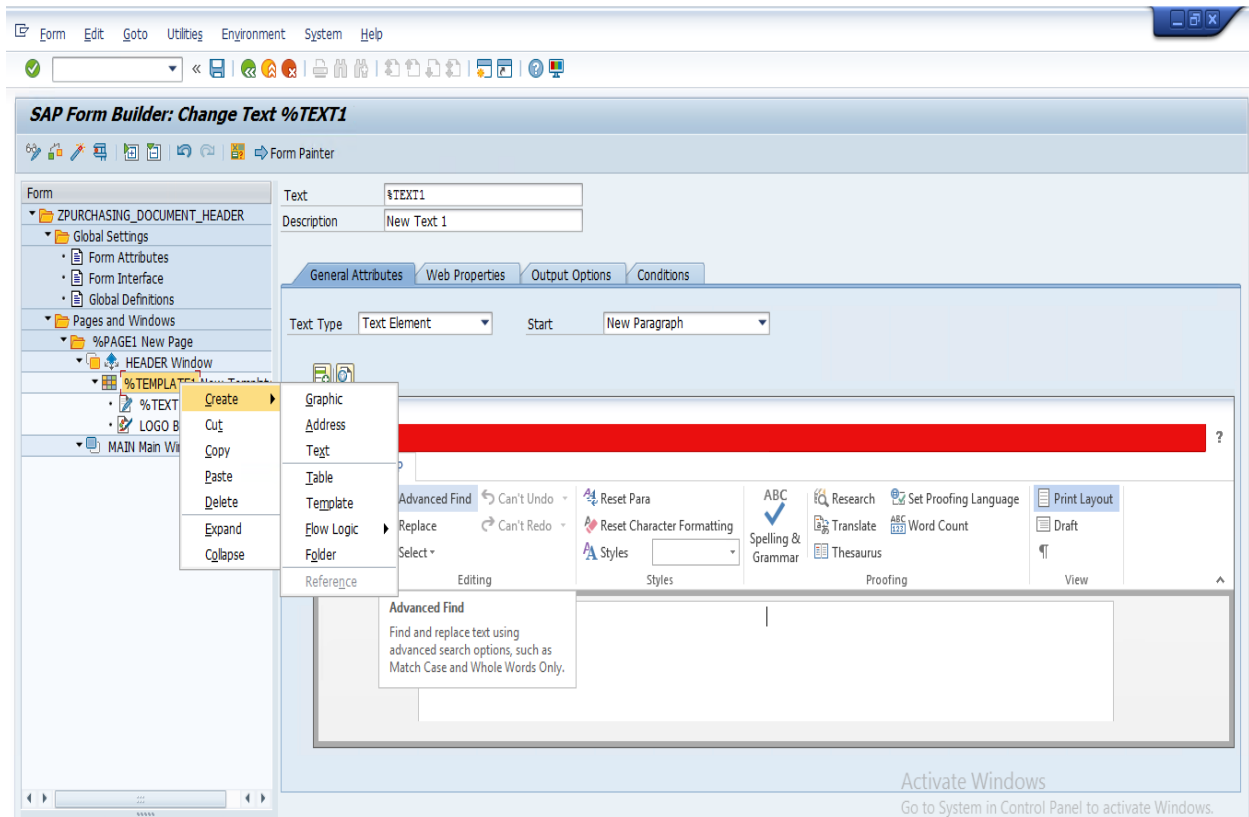
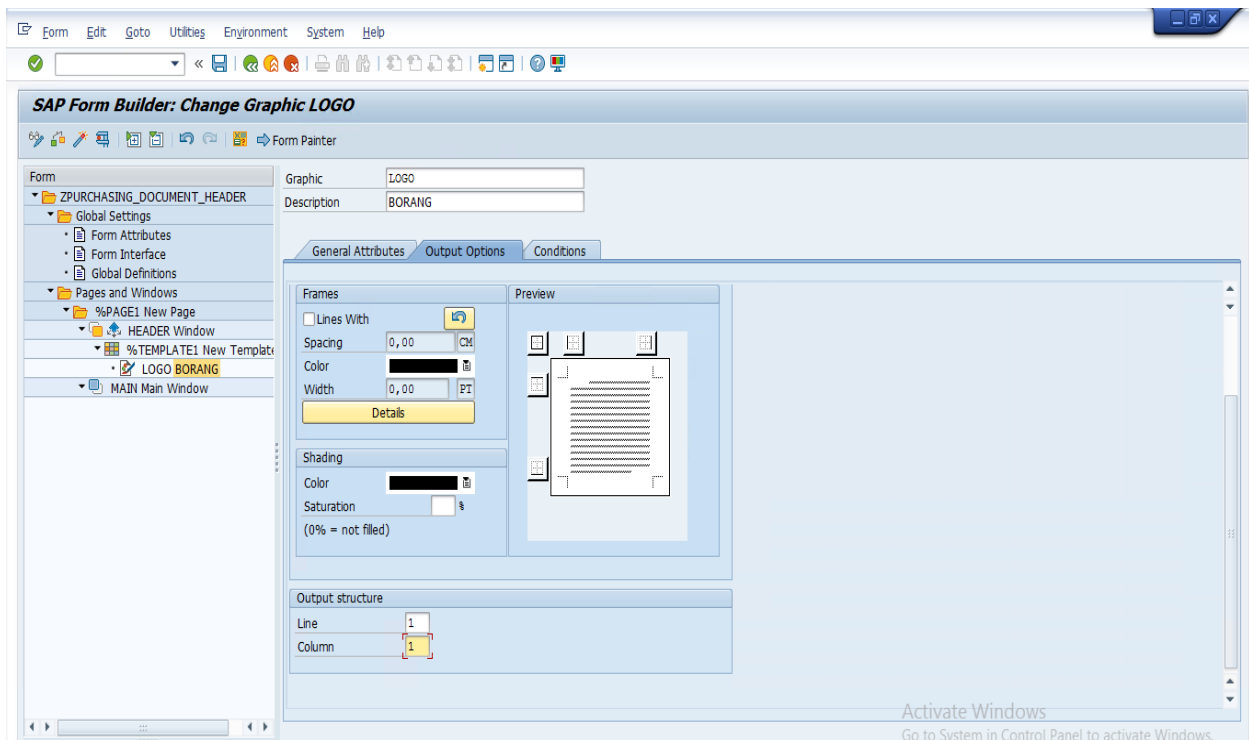
Activate Windows



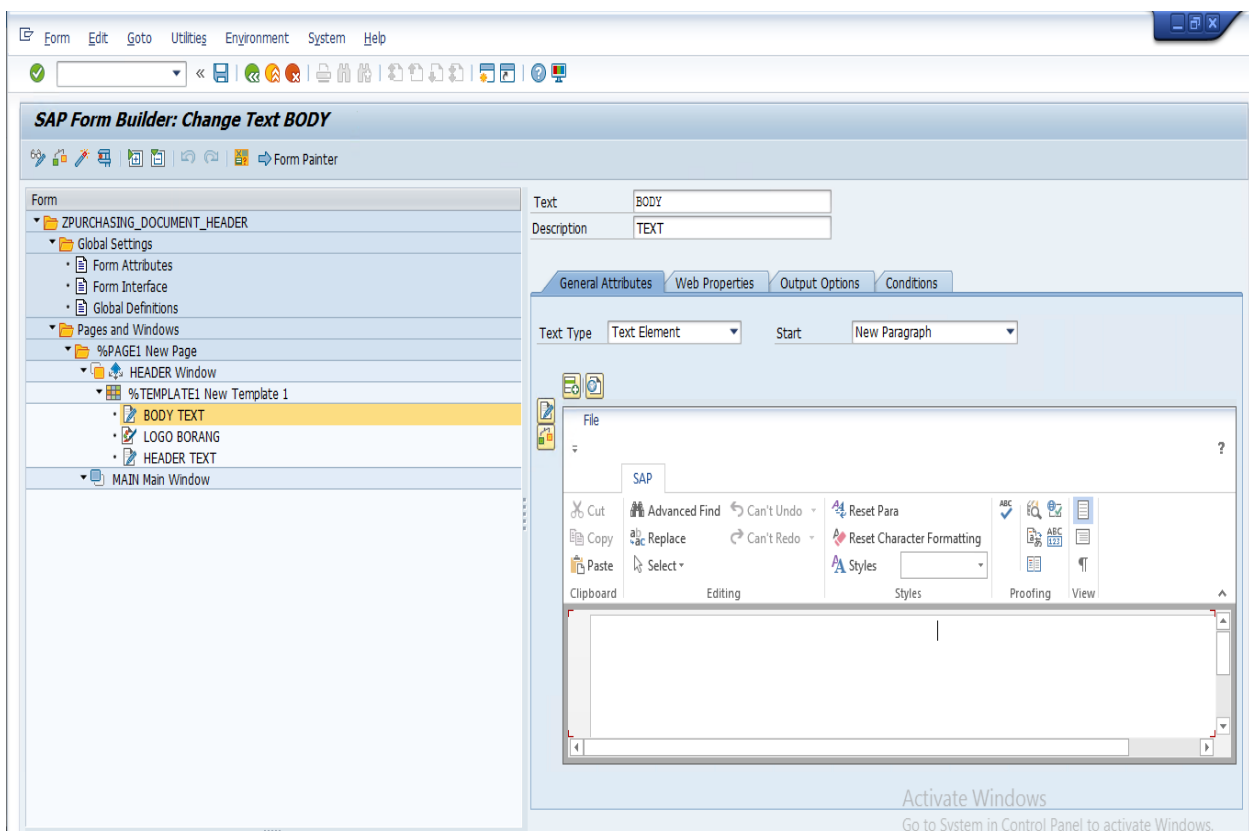
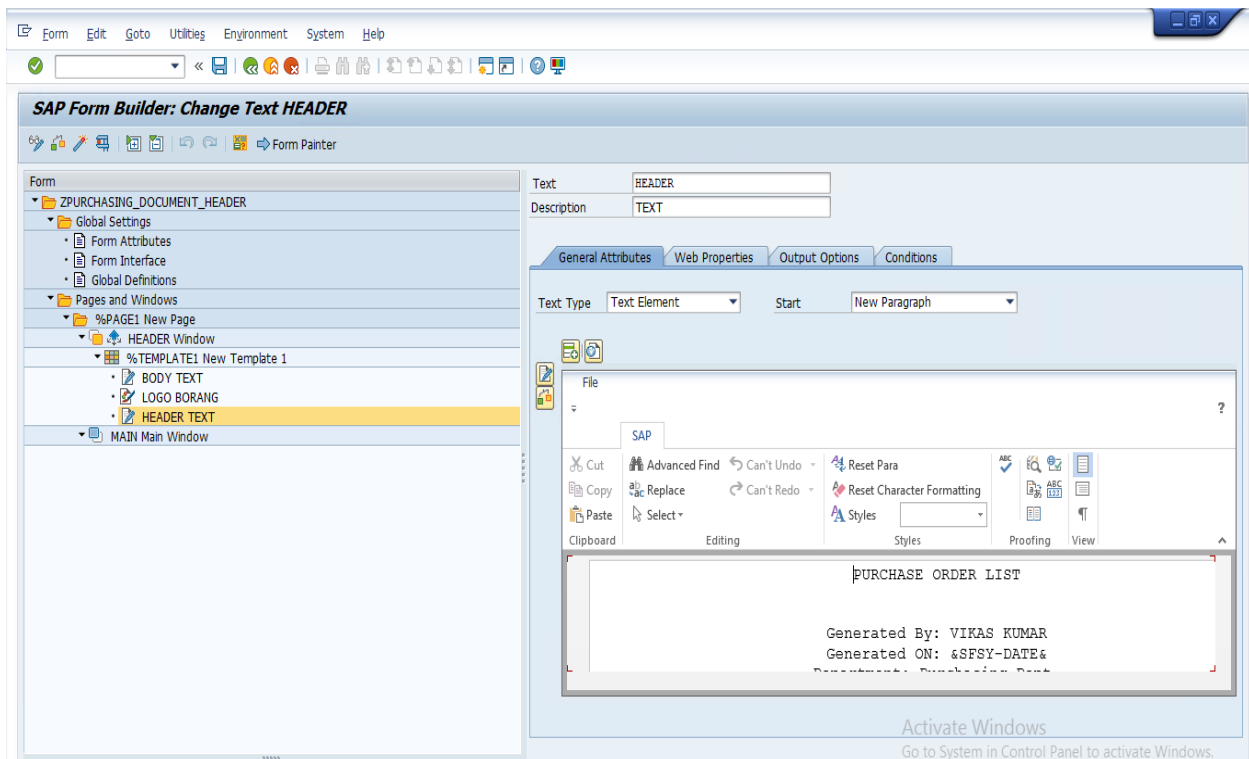


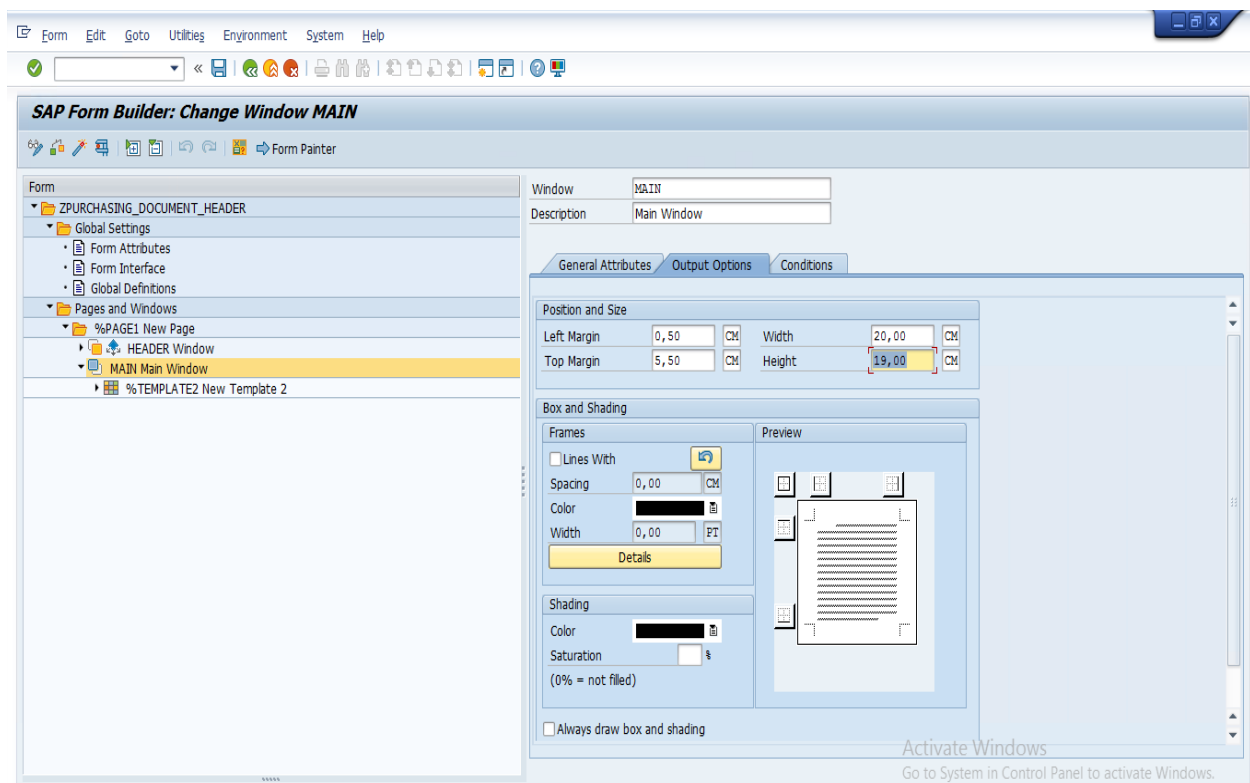
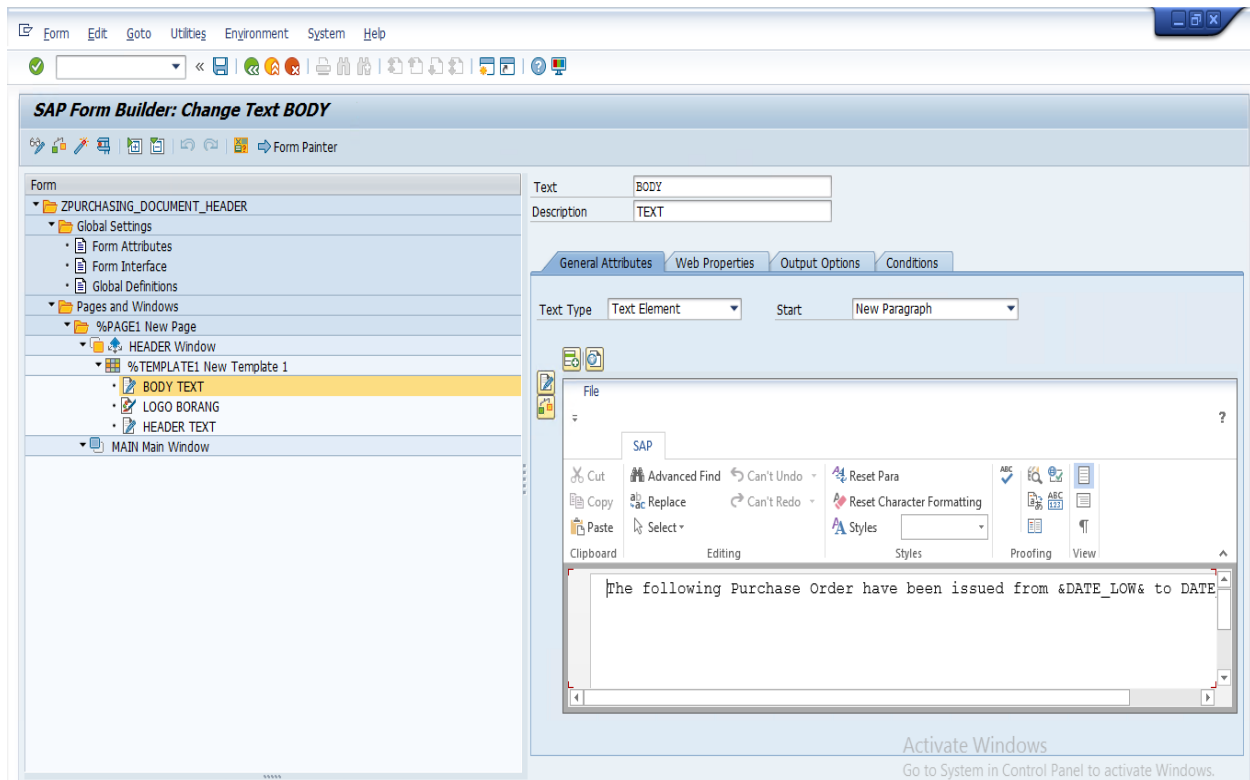


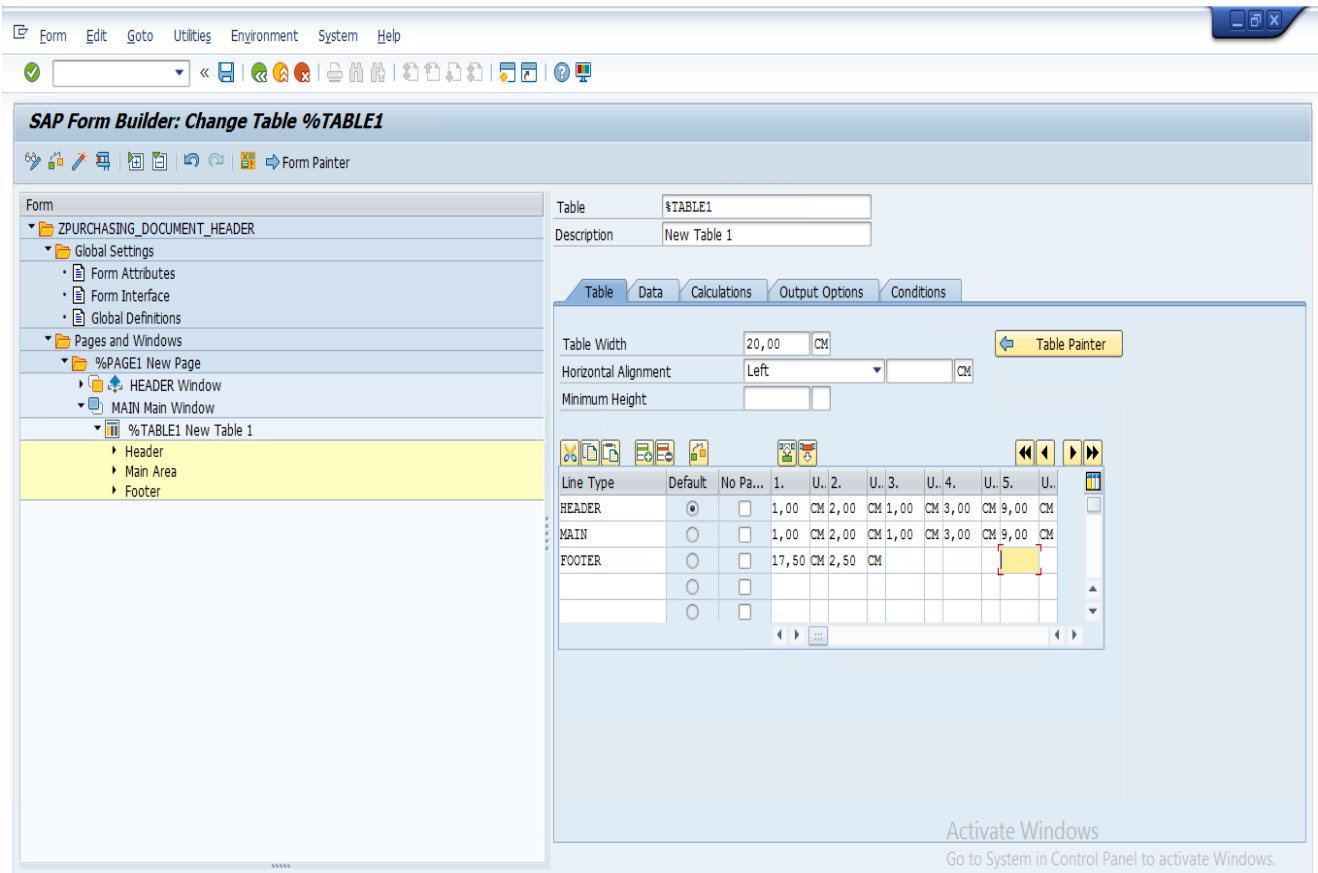
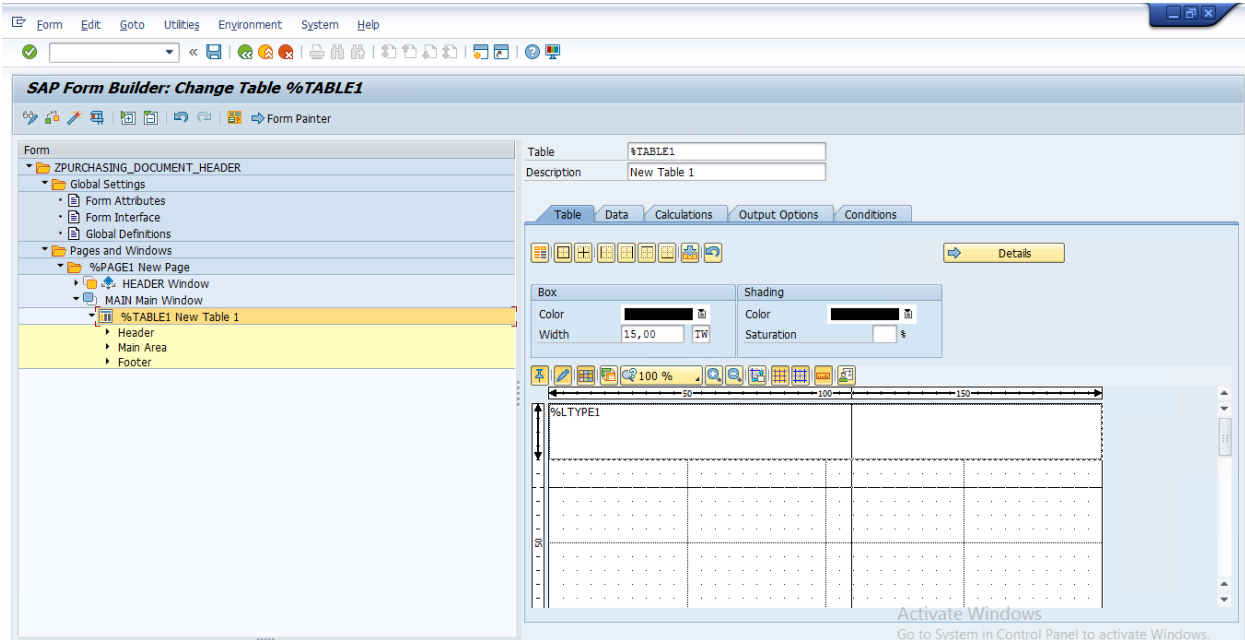












SAP Form Builder: Change Table %TABLE1

Form Painter

Form

- ZPURCHASING\_DOCUMENT\_HEADER
  - Global Settings
    - Form Attributes
    - Form Interface
    - Global Definitions
  - Pages and Windows
    - %PAGE1 New Page
      - HEADER Window
      - MAIN Main Window
        - %TABLE1 New Table 1
          - Header
          - Main Area
          - Footer

Table: %TABLE1  
Description: New Table 1

Table Width: 20,00 CM  
Horizontal Alignment: Left CM  
Minimum Height:

Table Painter

Line Type	Default	No Pa...	4.	U.. 5.	Un...	6.	U.. 7.	U.. 8.	U..
HEADER	<input checked="" type="radio"/>	<input type="checkbox"/>	3,00	CM	9,00	CM	1,50	CM	2,50
MAIN	<input type="radio"/>	<input type="checkbox"/>	3,00	CM	9,00	CM	1,50	CM	2,50
FOOTER	<input type="radio"/>	<input type="checkbox"/>							
	<input type="radio"/>	<input type="checkbox"/>							
	<input type="radio"/>	<input type="checkbox"/>							

Activate Windows  
Go to System in Control Panel to activate Windows.

SAP Form Builder: Change Table %TABLE1

Form Painter

Form

- ZPURCHASING\_DOCUMENT\_HEADER
  - Global Settings
    - Form Attributes
    - Form Interface
    - Global Definitions
  - Pages and Windows
    - %PAGE1 New Page
      - HEADER Window
      - MAIN Main Window
        - %TABLE1 New Table 1
          - Header
          - Main Area
          - Footer

Table: %TABLE1  
Description: New Table 1

Table Painter

LOOP Loop

☒ Internal Table INTO

Row to

WHERE Condition

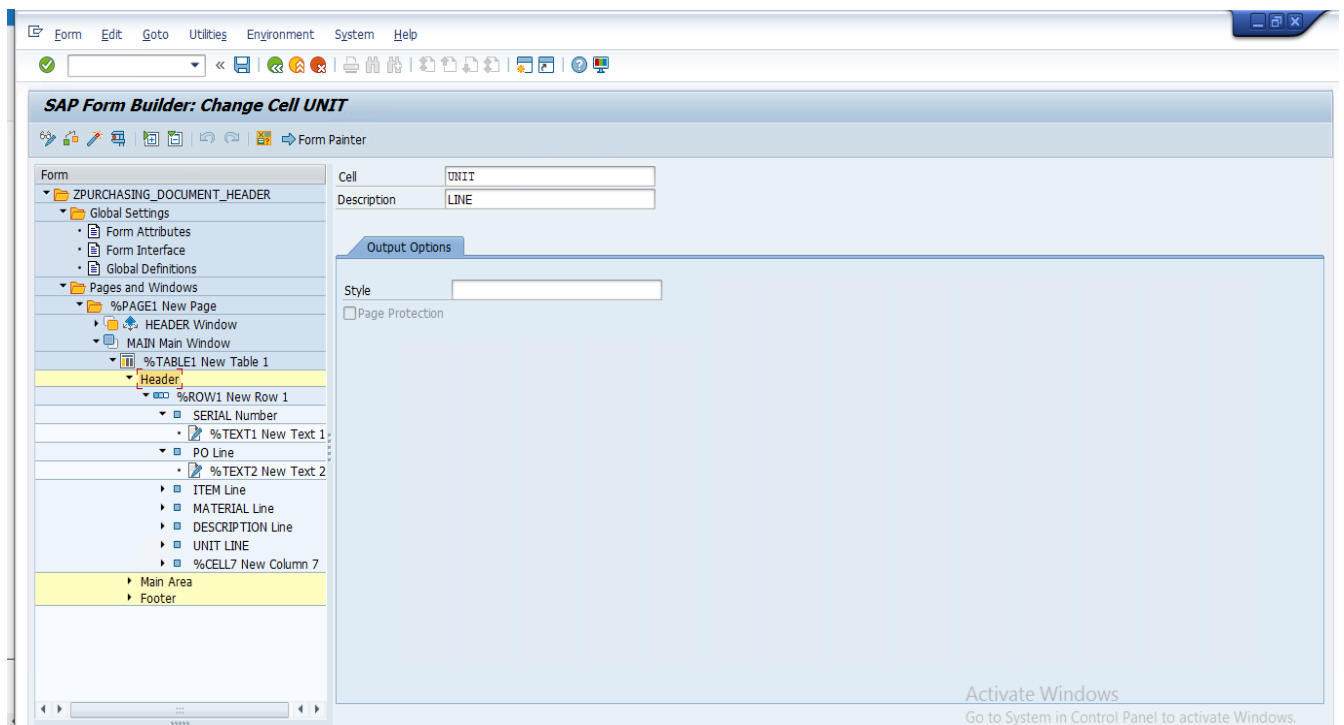
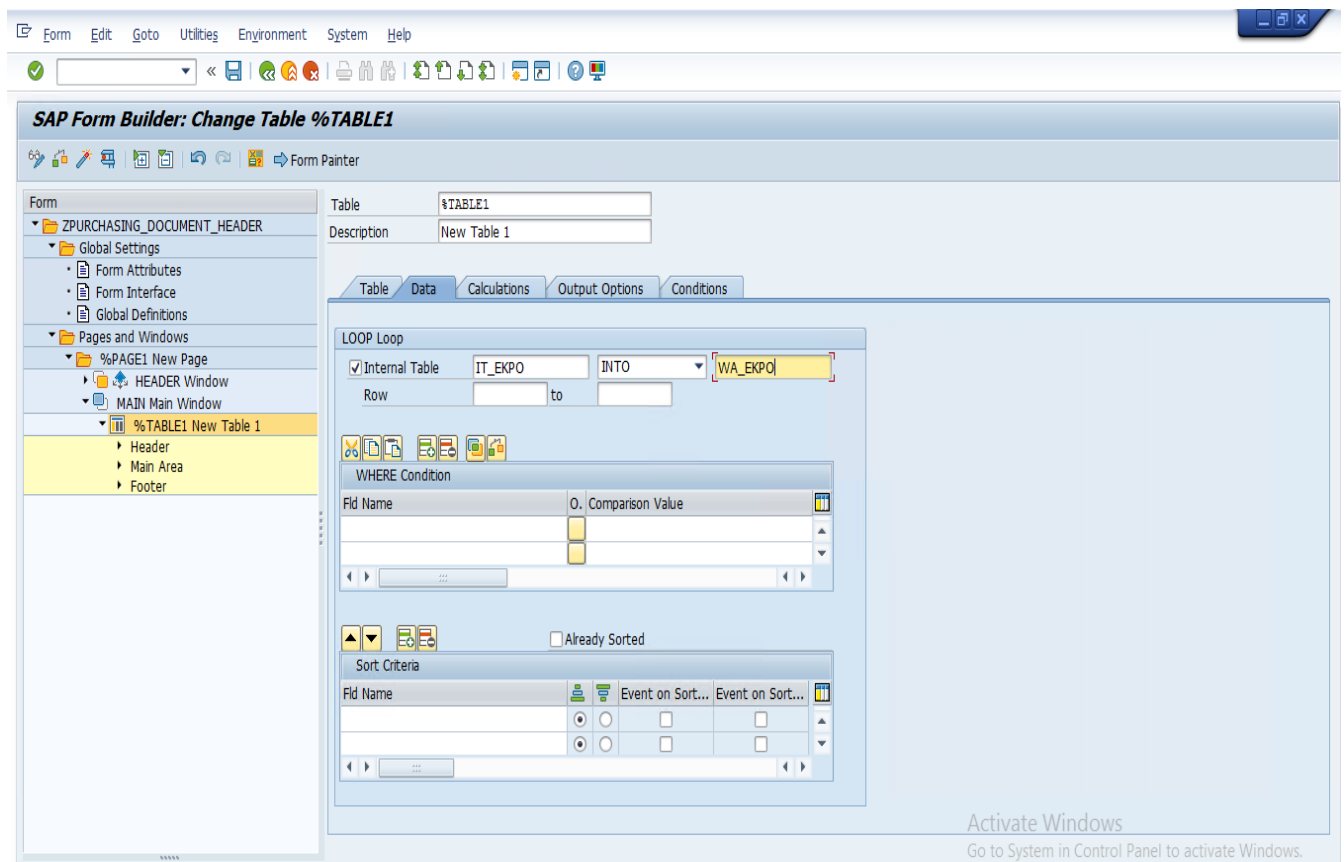
Fid Name	O.	Comparison Value

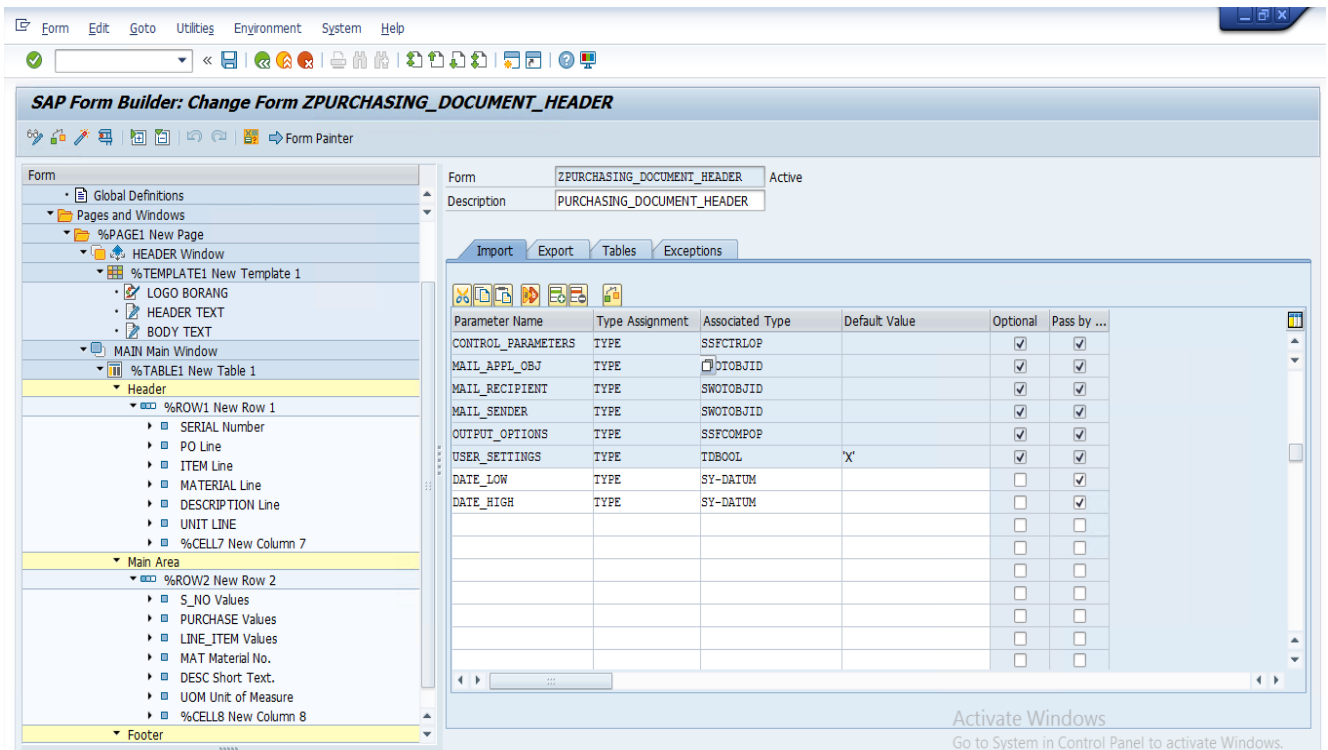
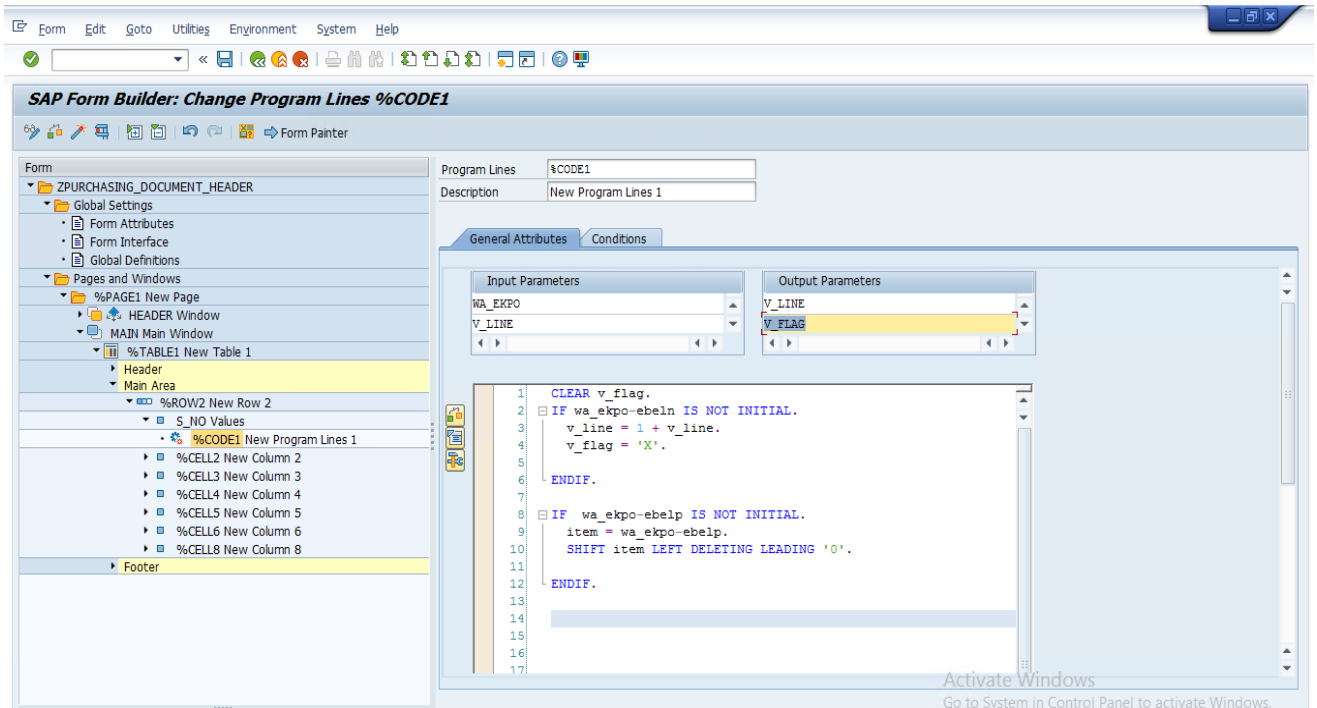
Sort Criteria

☐ Already Sorted

Fid Name	Event on Sort...	Event on Sort...
	<input type="radio"/>	<input type="checkbox"/>
	<input type="radio"/>	<input type="checkbox"/>

Activate Windows  
Go to System in Control Panel to activate Windows.





# GO TO - > SE38 -> T.Code - > ABAP Editor

```
REPORT zsr_test_vikas.
```

```
TABLES: ekko.
```

```
TYPES:
```

```
  BEGIN OF ty_ekko,  
    ebeln TYPE ekko-ebeln,  
    aedat TYPE ekko-aedat,  
  END OF ty_ekko.
```

```
DATA:
```

```
  wa_ekko    TYPE ty_ekko,  
  it_ekko    TYPE TABLE OF ty_ekko,  
  lw_ekpo    TYPE zsr_test_vikas,  
  lt_ekpo    TYPE TABLE OF zsr_test_vikas,  
  wa_ekpo    TYPE zsr_test_vikas,  
  it_ekpo    TYPE TABLE OF zsr_test_vikas,  
  date_low   TYPE sy-datum,  
  date_high  TYPE sy-datum.
```

```
INITIALIZATION.
```

```
  SELECT-OPTIONS: s_date FOR ekko-aedat.
```

```
START-OF-SELECTION.
```

```
  PERFORM get_po_details.  
  PERFORM call_smart_form.
```

```
*&-----*  
*&      Form  GET_PO_DETAILS  
*&-----*  
*      text  
*-----*
```

```
FORM get_po_details .
```

```
  SELECT ebeln aedat  
    FROM ekko INTO TABLE it_ekko  
    WHERE aedat IN s_date.
```

```
  IF sy-subrc = 0.  
    date_low = s_date-low.  
    date_high = s_date-high.
```

```
    SORT it_ekko BY aedat.
```

```

SELECT ebeln ebelp txz01
       matnr
*      menge
meins
FROM ekpo INTO TABLE lt_ekpo
FOR ALL ENTRIES IN it_ekko
WHERE ebeln = it_ekko-ebeln
      AND menge NE 0.

IF sy-subrc = 0.

  LOOP AT lt_ekpo INTO lw_ekpo.
    AT NEW ebeln.
      wa_ekpo-ebeln = lw_ekpo-ebeln.
      ENDAT.

      wa_ekpo-ebelp = lw_ekpo-ebelp.
      wa_ekpo-txz01 = lw_ekpo-txz01.
*      wa_ekpo-menge = lw_ekpo-menge.
      wa_ekpo-meins = lw_ekpo-meins.

      IF lw_ekpo-matnr IS NOT INITIAL.
        wa_ekpo-matnr = lw_ekpo-matnr.
      ELSE.
        wa_ekpo-matnr = '<Service PO>'.
      ENDIF.
      APPEND wa_ekpo TO it_ekpo.
      CLEAR: wa_ekpo, lw_ekpo.
    ENDLOOP.
  ENDIF.
ENDIF.

ENDFORM.
*&-----*
*&      Form  CALL_SMART_FORM
*&-----*
*      text
*-----*
FORM call_smart_form .

DATA: lv_form_name TYPE rs38l_fnam.

IF it_ekpo IS NOT INITIAL.
  CALL FUNCTION 'SSF_FUNCTION_MODULE_NAME'
    EXPORTING
      formname          = 'ZPURCHASING_DOCUMENT_HEADER'
    IMPORTING
      fm_name           = lv_form_name
    EXCEPTIONS

```



```
no_form          = 1
no_function_module = 2
OTHERS           = 3.

CALL FUNCTION lv_form_name
EXPORTING
  date_low      = date_low
  date_high     = date_high
TABLES
  it_ekpo       = it_ekpo
EXCEPTIONS
  formatting_error = 1
  internal_error   = 2
  send_error       = 3
  user_canceled    = 4
  OTHERS           = 5.
ENDIF.

ENDFORM.
```

---

## OUTPUT SMART FORM PDF

The screenshot shows a SAP SmartForm PDF output for a Purchasing Document Header. The interface includes a menu bar with 'Program', 'Edit', 'Goto', 'System', and 'Help'. Below the menu is a toolbar with various icons for navigation and editing. The main content area is titled 'Purchasing Document Header' and contains a form with a date range field. The date range is displayed as 'PO\_DATE 01.11.2016 to 20.11.2016', with the end date '20.11.2016' highlighted in a yellow box. A small icon of a document with a magnifying glass is visible next to the date range.



## PURCHASE ORDER LIST

The following Purchase Orders have been issued from 01.11.2016 to 20.11.2016.

S No.	PO.	Line	Materials	Short Text	UoM	Quantity
1	4500000597	10	11000018	Experimental	NOS	10.000
2	4500000598	10	11000018	Experimental	NOS	2.000
3	4500000599	10	11000018	Experimental	NOS	8.000
4	4500000600	1	<Service PO>	Automatic Generation - Freight Service	AU	1.000
5	4500000601	10	50000002	Plastic Roll (LLDPE)	KG	10.000
		20	50000002	Plastic Roll (LLDPE)	KG	10.000
		30	50000011	PACKING MATERIAL TEST	KG	10.000
		40	50000013	SAP	PC	10.000
		50	50000017	CURROGATED BOX - (365X332X32 MM),EL-10	EA	10.000
		60	50000018	PVC STRAP-19MM GREEN(R)	NOS	10.000
		70	50000018	PVC STRAP-19MM GREEN(R)	NOS	10.000
		80	50000018	PVC STRAP-19MM GREEN(R)	NOS	10.000
6	4500000602	10	20057	Battery	PC	5,000.000
7	4500000603	1	<Service PO>	Automatic Generation - Freight Service	AU	1.000
8	4500000604	10	40000097	EXPERIMENTAL MATERIAL	NOS	10.000
		20	40000121	Experimental Material	NOS	11.000
9	4500000605	10	50000002	Plastic Roll (LLDPE)	KG	10.000
10	4500000606	1	<Service PO>	Automatic Generation - Freight Service	AU	1.000
11	4500000607	1	<Service PO>	Automatic Generation - Freight Service	AU	1.000
12	4500000608	10	50000002	Plastic Roll (LLDPE)	KG	123.000
Total Quantity						5,258.000

We authorised the Purchase Orders mentioned above are fully approved for the last month. Please start the payment process for Quantity 5,258.000

Signature	Stamp
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