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*& Report ON STOCK STATEMENT PLANTWISE.

*& CODER: PAVAN GOLESAR

REPORT ZAP_STOCK_STATEMENT_PLANTWISE.

TABLES: MARA,MAKT,MARD.

SELECTION-SCREEN: BEGIN OF BLOCK B1 WITH FRAME TITLE TEXT-000.

SELECT-OPTIONS: S_MATNR FOR MARA-MATNR OBLIGATORY,
S_WERKS FOR MARD-WERKS.

SELECTION-SCREEN: END OF BLOCK B1.

TYPE-POOLS SLIS.

TYPES: BEGIN OF TY_MARD,
MATNR TYPE MATNR,
MAKTX TYPE MAKTX,
WERKS TYPE WERKS_D,
LABST TYPE LABST,
INSME TYPE INSME,
RETME TYPE RETME,
SPEME TYPE SPEME,
EINME TYPE EINME,
END OF TY_MARD.

TYPES: BEGIN OF TY_FINAL,
MATNR TYPE MATNR,
MAKTX TYPE MAKTX,
LABST TYPE LABST,
REST TYPE LABST,
LABST1 TYPE LABST,
REST1 TYPE LABST,
TOTUNS TYPE LABST,
TOTRES TYPE LABST,
TOTAL TYPE LABST,
END OF TY_FINAL.

TYPES: BEGIN OF TY_MARA,
MATNR TYPE MATNR,
END OF TY_MARA.

DATA: WA_MARA TYPE TY_MARA,
WA_MARD TYPE TY_MARD,
WA_MARD1 TYPE TY_MARD,
WA_FINAL TYPE TY_FINAL,

IT_MARA TYPE STANDARD TABLE OF TY_MARA,
IT_MARD TYPE STANDARD TABLE OF TY_MARD,
IT_MARD1 TYPE STANDARD TABLE OF TY_MARD,
IT_FINAL TYPE STANDARD TABLE OF TY_FINAL.

DATA: WA_FCAT TYPE SLIS_FIELDCAT_ALV,
WA_SORT TYPE SLIS_SORTINFO_ALV,
WA_EVENT TYPE SLIS_ALV_EVENT,
WA_HEADER TYPE SLIS_LISTHEADER,
WA_LAYOUT TYPE SLIS_LAYOUT_ALV,

```
IT_FCAT TYPE SLIS_T_FIELDCAT_ALV,  
IT_SORT TYPE SLIS_T_SORTINFO_ALV,  
IT_EVENT TYPE SLIS_T_EVENT,  
IT_HEADER TYPE SLIS_T_LISTHEADER.
```

```
DATA: DATE(12) TYPE C,  
      HEADER(30) TYPE C.
```

```
INITIALIZATION.
```

```
SELECT MATNR FROM MARA INTO TABLE IT_MARA WHERE MATNR IN S_MATNR AND MTART IN ('FERT').
```

```
LOOP AT IT_MARA INTO WA_MARA.  
  S_MATNR-LOW = WA_MARA-MATNR.  
  S_MATNR-SIGN = 'I'.  
  S_MATNR-OPTION = 'EQ'.  
  APPEND S_MATNR TO S_MATNR.  
ENDLOOP.
```

```
AT SELECTION-SCREEN OUTPUT.
```

```
LOOP AT SCREEN.  
  
  IF SCREEN-NAME EQ 'S_MATNR-LOW' OR  
     SCREEN-NAME EQ 'S_MATNR-HIGH'.  
  
    SCREEN-INPUT = 0.  
    MODIFY SCREEN.  
  ENDIF.
```

```
ENDLOOP.
```

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

```
PERFORM GET_DATA.  
PERFORM COMBINE_DATA.  
PERFORM FILL_CAT.  
PERFORM SORT.  
PERFORM LAYOUT.  
PERFORM FILL_EVENT.  
PERFORM DISPLAY_DATA.
```

```
FORM GET_DATA.
```

```
SELECT A~MATNR B~MAKTX A~WERKS A~LABST A~INSME A~RETME A~SPEME A~EINME INTO TABLE IT_MARD  
  FROM MARD AS A INNER JOIN MAKT AS B ON  
  A~MATNR = B~MATNR WHERE  
  A~MATNR IN S_MATNR AND  
  A~WERKS IN S_WERKS.
```

```
ENDFORM. " GET DATA
```

```
FORM COMBINE_DATA .
```

```
SORT IT_MARD BY MATNR WERKS.
```

```
APPEND LINES OF IT_MARD TO IT_MARD1.
```

```
DELETE ADJACENT DUPLICATES FROM IT_MARD1 COMPARING MATNR WERKS.
```

```

LOOP AT IT_MARD1 INTO WA_MARD1.
  LOOP AT IT_MARD INTO WA_MARD WHERE MATNR = WA_MARD1-MATNR AND WERKS = WA_MARD1-WERKS.

    WA_FINAL-MATNR = WA_MARD-MATNR.
    WA_FINAL-MAKTX = WA_MARD-MAKTX.

    IF WA_MARD-WERKS EQ '1000'.
      WA_FINAL-LABST = WA_FINAL-LABST + WA_MARD-LABST.
      WA_FINAL-REST = WA_FINAL-REST + ( WA_MARD-INSME + WA_MARD-EINME + WA_MARD-SPEME + WA_MARD-R
    ELSEIF WA_MARD-WERKS EQ '1100'.
      WA_FINAL-LABST1 = WA_FINAL-LABST1 + WA_MARD-LABST.
      WA_FINAL-REST1 = WA_FINAL-REST1 + WA_MARD-INSME + WA_MARD-EINME + WA_MARD-SPEME + WA_MARD-R
    ENDIF.
  ENDLOOP.

  WA_FINAL-TOTUNS = WA_FINAL-TOTUNS + WA_FINAL-LABST + WA_FINAL-LABST1.
  WA_FINAL-TOTRES = WA_FINAL-TOTRES + WA_FINAL-REST + WA_FINAL-REST1.
  WA_FINAL-TOTAL = WA_FINAL-TOTAL + WA_FINAL-TOTUNS + WA_FINAL-TOTRES.

  APPEND WA_FINAL TO IT_FINAL.
  CLEAR WA_FINAL.
ENDLOOP.

```

```

ENDFORM. " COMBINE_DATA

```

```

FORM FILL_CAT.

```

```

WA_FCAT-FIELDNAME = 'MATNR'.
WA_FCAT-OUTPUTLEN = '15'.
WA_FCAT-SELTEXT_M = 'MATERIAL CODE'.
WA_FCAT-TABNAME = 'IT_FINAL'.
APPEND WA_FCAT TO IT_FCAT.

```

```

WA_FCAT-FIELDNAME = 'MAKTX'.
WA_FCAT-OUTPUTLEN = '25'.
WA_FCAT-SELTEXT_M = 'MATERIAL DESC'.
WA_FCAT-TABNAME = 'IT_FINAL'.
APPEND WA_FCAT TO IT_FCAT.

```

```

WA_FCAT-FIELDNAME = 'LABST'.
WA_FCAT-TABNAME = 'IT_FINAL'.
WA_FCAT-OUTPUTLEN = '10'.
WA_FCAT-SELTEXT_M = 'HYD. UNS'.
WA_FCAT-DO_SUM = 'X'.
APPEND WA_FCAT TO IT_FCAT.

```

```

WA_FCAT-FIELDNAME = 'REST'.
WA_FCAT-OUTPUTLEN = '10'.
WA_FCAT-SELTEXT_M = 'HYD.RES'.
WA_FCAT-TABNAME = 'IT_FINAL'.
WA_FCAT-DO_SUM = 'X'.
APPEND WA_FCAT TO IT_FCAT.

```

```

WA_FCAT-FIELDNAME = 'LABST1'.
WA_FCAT-TABNAME = 'IT_FINAL'.
WA_FCAT-SELTEXT_M = 'PUNE UNS'.
WA_FCAT-OUTPUTLEN = '10'.
WA_FCAT-DO_SUM = 'X'.
APPEND WA_FCAT TO IT_FCAT.

```

```
WA_FCAT-FIELDNAME = 'REST1'.
WA_FCAT-TABNAME = 'IT_FINAL'.
WA_FCAT-OUTPUTLEN = '10'.
WA_FCAT-SELTEXT_M = 'PUNE RES'.
WA_FCAT-DO_SUM = 'X'.
APPEND WA_FCAT TO IT_FCAT.
```

```
WA_FCAT-FIELDNAME = 'TOTUNS'.
WA_FCAT-TABNAME = 'IT_FINAL'.
WA_FCAT-OUTPUTLEN = '10'.
WA_FCAT-SELTEXT_M = 'TOTAL UNS'.
WA_FCAT-DO_SUM = 'X'.
APPEND WA_FCAT TO IT_FCAT.
```

```
WA_FCAT-FIELDNAME = 'TOTRES'.
WA_FCAT-TABNAME = 'IT_FINAL'.
WA_FCAT-OUTPUTLEN = '10'.
WA_FCAT-SELTEXT_M = 'TOTAL RES'.
WA_FCAT-DO_SUM = 'X'.
APPEND WA_FCAT TO IT_FCAT.
```

```
WA_FCAT-FIELDNAME = 'TOTAL'.
WA_FCAT-TABNAME = 'IT_FINAL'.
WA_FCAT-OUTPUTLEN = '10'.
WA_FCAT-SELTEXT_M = 'TOTAL'.
WA_FCAT-DO_SUM = 'X'.
APPEND WA_FCAT TO IT_FCAT.
```

ENDFORM.

FORM SORT.

```
WA_SORT-FIELDNAME = 'MATNR'.
WA_SORT-UP = 'X'.
WA_SORT-SUBTOT = 'X'.
APPEND WA_SORT TO IT_SORT.
```

ENDFORM.

FORM LAYOUT.

```
WA_LAYOUT-ZEBRA = 'X'.
```

ENDFORM.

FORM FILL_EVENT.

```
WA_EVENT-FORM = 'PRINT_HEADING'.
WA_EVENT-NAME = 'TOP_OF_PAGE'.
APPEND WA_EVENT TO IT_EVENT.
```

ENDFORM.

FORM PRINT_HEADING.

```
WA_HEADER-TYP = 'H'.
WA_HEADER-INFO = 'COEP PHARMA'.
APPEND WA_HEADER TO IT_HEADER.
```

```
WRITE SY-DATUM TO DATE DD/MM/YYYY NO-GAP.
```

```
CONCATENATE 'STOCK STATEMENT' DATE INTO HEADER SEPARATED BY ':'.
WA_HEADER-TYP = 'S'.
```

```
WA_HEADER-INFO = HEADER.  
APPEND WA_HEADER TO IT_HEADER.
```

```
* CALL FUNCTION 'REUSE_ALV_COMMENTARY_WRITE'.  
* EXPORTING.  
* IT_LIST_COMMENTARY = IT_HEADER.
```

```
CALL FUNCTION 'REUSE_ALV_COMMENTARY_WRITE'  
EXPORTING
```

```
IT_LIST_COMMENTARY = IT_HEADER.  
* I_LOGO =  
* I_END_OF_LIST_GRID =  
* I_ALV_FORM =
```

```
ENDFORM.
```

```
FORM DISPLAY_DATA.
```

```
CALL FUNCTION 'REUSE_ALV_GRID_DISPLAY'  
EXPORTING
```

```
I_CALLBACK_PROGRAM = SY-REPID  
IS_LAYOUT = WA_LAYOUT  
IT_FIELDCAT = IT_FCAT  
IT_SORT = IT_SORT  
I_DEFAULT = 'X'  
I_SAVE = 'X'  
IT_EVENTS = IT_EVENT
```

```
TABLES
```

```
T_OUTTAB = IT_FINAL.
```

```
ENDFORM.
```

