

SAP IMPLEMENTATION

TECHNICAL SPECIFICATION



CIAL_SAP_MM_TS_04_PRICE COMPARISON

PREPARED BY



ABBREVIATIONS

ABBREVIATION	DESCRIPTION
CIAL	Cochin International Airport Ltd.

DOCUMENT REFERENCES

DOCUMENT	DOCUMENT NAME
FS	CIAL_SAP_MM_FS_04_Price Comparison

CHANGE HISTORY

AUTHOR	CREATION DATE	VERSION	STATUS	REMARKS
Chithra Catherine Pattara	22/01/14	1.0		
AMENDED BY	DATE	VERSION	STATUS	CHANGES

DISTRIBUTION

COMPANY	NAME	ROLE	ACTION	INFO
CIAL			X	
TCS			X	

REVIEW

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SIGNOFF

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CIAL			

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1. OBJECTIVE

The objective of this enhancement is to do price comparison of quotations based on estimated price (Price in PR)

2. SCOPE

The scope of this enhancement is to do price comparison of quotations based on estimated price (PR price). This will be applicable to all RFQ document types.

2.1 Assumptions

NA

2.2 Exclusions

NA

3. DEVELOPMENT TECHNICAL DESCRIPTION

3.1 Program Header

Title	Price Comparison		
Requesting Person	Chithra	Date raised	22/01/14
Complexity	High	Expected date	
Package	ZPM00	Dev. object scope	Report
Program Tool	Abap	SAP Module	MM
SAP Std modify	<input checked="" type="checkbox"/>	SAP program name	ZRM06EPS0
Oss note	NA	Message Class	NA
New Program	<input type="checkbox"/>	Modification	<input checked="" type="checkbox"/>
Copy from existing	<input type="checkbox"/>	Transport Request No	
Existing Name	NA	Existing T. code	NA
Forms	<input type="checkbox"/> Pre-printed <input type="checkbox"/> Regular paper		
Logo	<input type="checkbox"/> To be added		
Type of Program	<input type="checkbox"/> Foreground <input type="checkbox"/> Background		
(the section below will be completed by the Technical Team)			
New Name	NA	Transaction code	ZME49

3.2 Summary

This program creates a provision for comparison of the quoted price with estimated price(PR price).In the price comparison report, estimated price and deviation of the quoted price from estimated price will be displayed .

3.3 Input

3.3.1 Selection Parameters

NA

3.3.2 Data Source

NA

3.3.3 Interfaces

NA

3.4 Process Map

Figure 1: Process Flow

3.5 Processing Logic

This section contains a technical description of the process map.

Copy the program for ME49 into Custom Program ZRM06EPS0 and create a tcode ZME49

Make the changes to the below includes and subroutines

.Create a new include ZFM06ICP1 by copying FM06ICP1 to add a checkbox for Estimation and add below parameter

(Data type ZMM_PRESTIMATION type ZFELD)

PARAMETER:p_pr AS CHECKBOX TYPE zmm_prestimation.

Create a new include ZSAPFM06I by copying SAPFM06I

Replace SAPFM06I with ZSAPFM06I in program ZRM06EPS0.

Replace existing includes by copying them into Z includes for updating top of page and other output texts

.Change the code in PERFORM rang_errechnen in FM06IFPS_BELEGE_AUFBEREITEN by creating ZFM06IFPS_RANG_ERRECHNEN

Select ebeln ebelp banfn bnfpo from EKET for all entries in XEKPO where ebeln = xekpo-ebeln and ebelp = xekpo-ebelp.

If an entry found,select banfn bnfpo menge preis peinh packno from EBAN for entries in EKET where banfn = eket-banfn and loekz = space.

If an entry found in EBAN ,select packno introw extrow sub_packno from ESLL into ESLL_TEMP for entries in EBAN where packno = eban-packno.

If an entry found,select records from ESLL into ESLL for entries in ESLL_TEMP WHERE packno = esll_temp-sub_packno .

Incorporate the code to update values under 'LOOP AT xekpo WHERE zwert NE 0.'

IF p_pr NE space,read table EKET using EBELN = XEKPO-EBELN EBELP = XEKPO-EBELP.

Read tabel EBAN using BANFN = EKET-BANFN BNFPO = EKET-BNFPO.

If EBAN-PREIS is not initial, refe1 = ((gwa_eban-preis * gwa_eban-menge) / 1000) * 100 / lv_value.

Change the code in PERFORM LEISTUNGEN_AUFBEREITEN in FM06IFPS_BELEGE_AUFBEREITEN by creating ZFM06IFPS_LEISTUNGENAUFBEREITE

IF p_pr NE space,read table EKET using EBELN = XEKPO-EBELN EBELP = XEKPO-EBELP.

Read table EBAN using BANFN = EKET-BANFN BNFPO = EKET-BNFPO and populate

lwert-prestimate = ((gwa_eban-preis * gwa_eban-menge) / 1000) * 100 / lv_value.

Code addition in ZFM06IFPS_LV_AUSGEBEN

IF p_pr NE space, raed table esll WITH KEY packno = srvtab-pln_packno and introw = srvtab-pln_introw and populate srvtab-percent = srvtab-netwr * 100 / gwa_esll-netwr .

Add new perform PERFORM srv_estimate USING colortyp srvtab-block.

Create ZSAPFM06I_PR_SPALTEF01 and create Subroutine PR_SPALTE and SRV_ESTIMATE fro displaying Estimation details

Subroutine PR_SPALTE - code to add a new colum and display estimation details

If p_pr NE space, read table EKET uisng ebeln = xekpo-ebeln ebelp = xekpo-ebelp.

Read table EBAN using banfn = eket-banfn bnfpo = eket-bnfpo.

position = (aktind + 1 - firstind).

IF p_mittel NE space , position = position + 1.

IF p_mini NE space , position = position + 1.

Else, position = position * 18 + 38.

POSITION position.

IF eban-preis NE 0, lv_value = (gwa_eban-preis * gwa_eban-menge) / 1000 and gv_totvalue = gv_totvalue + ((gwa_eban-preis * gwa_eban-menge) / 1000).

WRITE: (17) lv_value CURRENCY waehrung NO-GAP COLOR COL_NORMAL INTENSIFIED.

Subroutine SRV_ESTIMATE - PERFORM srv_estimate USING colortyp srvtab-block in
ZFM06IFPS_LV_AUSGEBEN

READ TABLE esll WITH KEY packno = srvtab-pln_packno
introw = srvtab-pln_introw.

IF gwa_esll-netwr NE 0, gv_sertotal = gv_sertotal + esll-netwr, WRITE: (17) esll-netwr
CURRENCY waehrung NO-GAP.

IF p_anfbas EQ space OR lwert-refwrt EQ 0.

CASE p_prozb.

IF p_pr NE space, lv_value = gwa_esll-netwr and lv_value = lv_value * 100.

IF gwa_esll-netwr IS NOT INITIAL, refe1 = lv_value * 100 / gwa_esll-netwr .

For Buy back Price ranking,copy FM06IFPS_SUMMEN_ZEILEAUSGEBEN to
ZFM06IFPS_SUMMEN_ZEILEAUSGEBEN

IF xekko1[] IS INITIAL.

LOOP AT xekko.

LOOP AT xekpo WHERE ebeln = xekko-ebeln and populate lv_zwert = lv_zwert +
xekpo-zwert.

READ TABLE konv WITH KEY knumv = xekko-knumv and populate lv_zwert =
lv_zwert - konv-kbetr .

xekko1 = xekko.

xekko1-buy = lv_zwert.

APPEND xekko1.

ENDLOOP.

SORT xekko1 BY buy.

LOOP AT xekko1.

lv_rank = lv_rank + 1.

IF xekko1-buy NE lwa_xekko-buy, xekko1-rank = lv_rank."sy-tabix.

Else, xekko1-rank = lwa_xekko-rank.

MODIFY xekko1 TRANSPORTING rank.

lwa_xekko = xekko1.

ENDLOOP.

To reduce Buy Back Price -Condition Type 'ZBUY',Copy FM06IFPS_LISTE_ANZEIGEN_PS to
ZFM06IFPS_LISTE_ANZEIGEN_PS

SELECT knumv kposn kschl kbetr kwert FROM konv FOR ALL ENTRIES IN xekko

WHERE knumv = xekko-knumv AND kschl = 'ZBUY' and DELETE konv WHERE kbetr EQ space.

3.6 Output

3.7 Technical Constraints

NA

3.8 Performance, Volume and Frequency

3.9 Authorization Considerations

NA

4. Unit Test Case scenarios

Appendix

NA

Naming Conventions

Document Naming Convention: CIAL_DT_<Module Name>_<Description>.doc

Module Name - Functional Work stream. Example, For FICO Technical specification, <Module Name> should be FI.

- FI = Finance
- MM = Procurement
- RE = Real Estate
- SD = Sales & Distribution
- HR = Human Resource
- PM = Plant Maintenance
- PS = Project System
- DMS = Document Management System
- SRM = Suppliers' relationship management

DT- Document Type indicator, in this case it is TS (Technical Specification).