 <b>Lighthouse</b> Info Systems Pvt. Ltd. <small>SINCE 1987</small>	Document Name	Object Help Document	
	Menu Code	00.006.01	
	Process Name	Report Engine Configurations	
Release Version	1.0	Document No	LISPL/OHD/FI/104/012
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## 00.006.01 - Report Engine Configurations

### PROCESS OVERVIEW

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This form is used to configure the report with user's desire column. One can generate the multiple reports from the same configuration.

### PROCESS PRE-REQUISITES


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Input Fields	Input Field Details	Remarks
View_Name	Before configuration of engine respective View should be available.	
User Rights	User Rights	Please refer Object Help Document of User Master for more details.

### KEY FEATURES

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- User can generate the desire report from report engine.
  - From same configuration user can generate multiple kind of report.
  - There is facility to save the desire format report with your desire name.
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## PROCESS DETAILS

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SI No	Report Engine	Engine Name	Engine Type	Period Type	Tcode	Tnature	View Name
48	GRNI	STORE/RM GRN	FP1537	Period	#G#	#GRNI#	VIEW_ITEMTRAN_ENGINE
49	GRNI_MT	GRN MATRIX ENGINE	FP1631	Period	#G#	#GRNI#	VIEW_ITEMTRAN_ENGINE
50	GST_RETURN	GST RETURN TRANSACTION DETAILS	FP1537	Period			VIEW_GST_ITEM_RETURN
51	GST_TRAN	GST TRANSACTIONS DETAILS ENGINE	FP1537	Period			VIEW_GST
52	INDI	INDENT	FP1537	Period	#I#	#INDI#	VIEW_INDENT_ENGINE

Call Engine ☒ Group-1 ☐ Group-2 ☐ Group-3 ☐ Numeric Columns/Matrix Column Grp-2

**Group Column Details**

SI No	Division	Column Name
1	Division	
2	Division Name	
3	Indent Number	
4	Indent Date	
5	Indent Details	

Find

**User Define Format**

Rep. Code	Rep. Name	Iso Code
D R101	MECHANICAL.	
D R116	E&A	
D R117	E&A NEW	
D R225	EA1	

Save

**Engine Wise Filter Clause/Set Global Variables (LHS Utility)**


Filter Name	User Seq	Filter Clause Type	Filter Clause
Pending Indent (As per PO)	1	Where Clause	AND NVL(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)-NVL(LHS_MM.GET_INDENT_QTYEXECUTE(ENTITY_CODE,TC
Pending Indent (As per GRN)	2	Where Clause	AND NVL(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)-NVL(LHS_MM.GET_INDENT_QTYEXECUTE(ENTITY_CODE,TC
Pending Indent (As per PO/GRN)	3	Where Clause	AND NVL(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)-NVL(LHS_MM.GET_INDENT_QTYEXECUTE(ENTITY_CODE,TC
Pending Indent for PO Generation	4	Where Clause	AND (NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0))>0 AND APPROVEDBY IS NOT NULL AND ACKNOWLEDGEBY IS T
Pending Indent for GRN Generation	5	Where Clause	AND (NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0))>0 AND APPROVEDBY IS NOT NULL AND ACKNOWLEDGEBY IS T
Pending Indent for PO/GRN Generation	6	Where Clause	AND (NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0))>0 AND APPROVEDBY IS NOT NULL AND ACKNOWLEDGEBY IS T
Un-Approved Indent (Last Level)	7	Where Clause	AND APPROVEDBY IS NULL

Please Select one of the following

☒ Add / Edit Engine 
 ☐ Add / Edit Column 
 ☐ Add / Edit Filter Clause 
 ☐ Add / Edit SET Global Variables (LHS Utility)

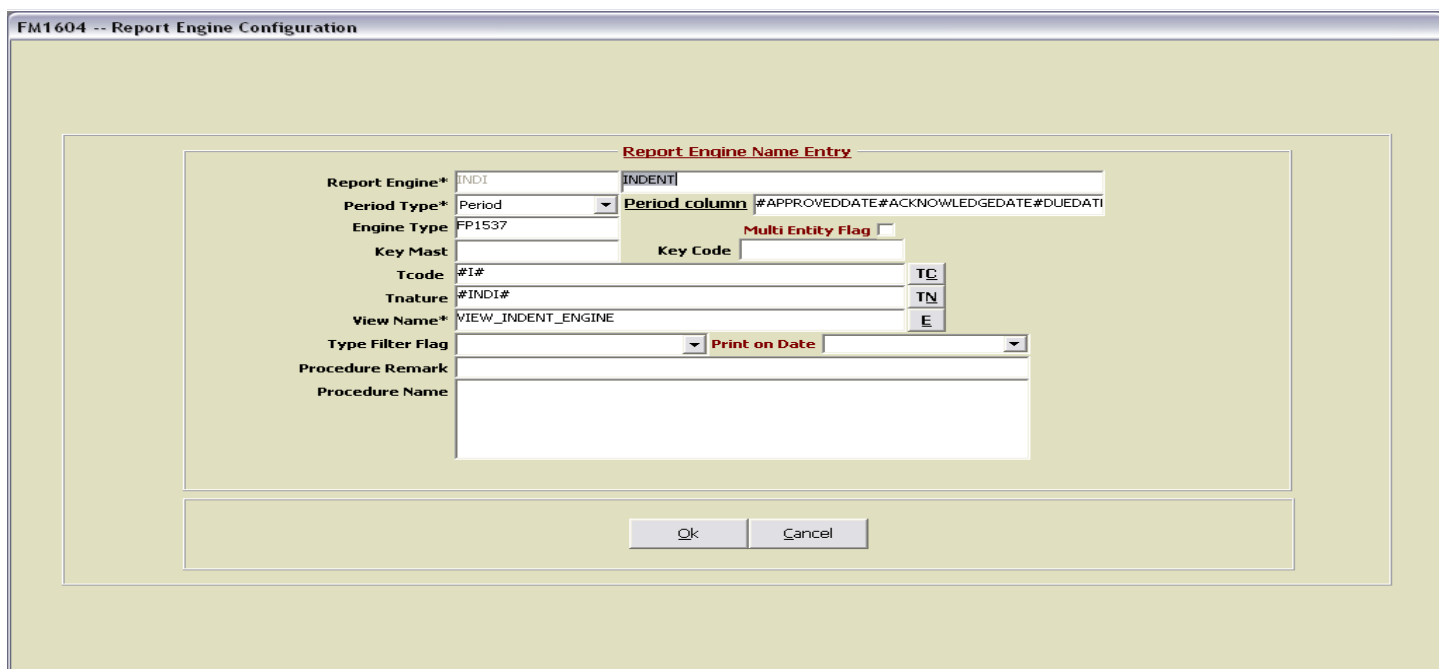
Add Edit Delete View Find Print Exit Exception Verify Query View Query

BUTTONS	DESCRIPTION
Add	To create the new report engine configuration.
Edit	To Edit the selected record.
Delete	To Delete selected record.
View	To view the selected record in read only purpose.
Find	To find record.
Print	To print the record.
Exit	To Exit from the current opened window.
Exception	This button show the list of menus for which engine is not configured.


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Verify Query	To verify the query that written for column output.
View_query	To verify the query that you written.
Call Engine	To call the desire engine from here for testing.
D	To delete the record.
Save	To save the user defines record.

With the combination of Option button Group1 and Add/Edit Engine following form will open.



BUTTONS	DESCRIPTION
<u>O</u> k	To save the record.

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<b>Cancel</b>	To exit from the form without saving the changes.
TC	To select the TCode from the list.
TN	To select TNature from the list.

### Work Step –

Step 1 Press 'Add' Button with option button Add/Edit Option.


Step 2 Specify the name for engine.

Step 3 Select period type from drop down list.

Step 4 Specify the name of view through which we will configure the engine.

Step 5 Press "Ok" Button to save the changes.

FIELDS	DESCRIPTION	R/O/C	FIELD VALUE / COMMENTS
Report Engine	Report engine	R	Specify the code and name of the engine.
Period Type	Period type	R	Select the period type from drop down.
Period Column	Period column	O	Specify the column name as per which period should be count.
Engine Type	Engine type	O	Select The engine type from LOV.
Key Mast	Key mast	O	Select Key Mast from LOV.
Key Code	Key code	O	Specify the code for the Key value.
TCode	Transaction code	O	Specify the TCode
TNature	Transaction nature	O	Specify the TNature from list
View Name	View name	R	Specify the view name through which you are configuring the Engine.
Filter Flag	Filter flag	O	
Print on date	Print on date	O	Select the value from drop down list that kind of date will print on report.

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Procedure remark	Procedure remark	<input type="radio"/>	If you want to specify any remarks related to procedure need to mention here.
Procedure Name	Procedure name	<input type="radio"/>	If you want to specify the list of procedure used in view.

With the combination of Option button Group1/2/3 and Add/Edit Column following form will open.

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**Report details**

Report Engine\*  Engine Name 
☐ Check to configure UDC Columns
Copy Column

**Report column details**


Sl No	Column Name*	Data Type*	Column Value*	Size	Block Name*
H D 1	Division Code	C - Character	DIV_CODE	2	TEXTDATA
H D 2	Division Name	C - Character	LHS_UTILITY.GET_NAME('DIV_CODE',DIV_CODE)	15	TEXTDATA
H D 3	Indent No.	C - Character	LHS_UTILITY.GET_PAD_VRNO(VRNO)	11	TEXTDATA
H D 4	Indent Date	C - Character	TO_CHAR(VRDATE,'DD-MON-RRRR')	11	TEXTDATA
H D 5	Indent Details	C - Character	LHS_UTILITY.GET_PAD_VRNO(VRNO)  ' - '  TO_CHAR(VRDATE,'DD-MON-RRRR')	35	TEXTDATA
H D 6	Indent Remark	C - Character	SUBSTR(INDENT_REMARK,1,35)	35	TEXTDATA
H D 7	Internal Ref.No.	C - Character	REFNO	11	TEXTDATA
H D 8	Department Code	C - Character	DEPT_CODE	5	TEXTDATA
H D 9	Department Name	C - Character	LHS_UTILITY.GET_NAME('DEPT_CODE',DEPT_CODE)	15	TEXTDATA
H D 10	Sino	C - Character	TO_CHAR(NVL(SLNO,0))	2	TEXTDATA
H D 11	Item Code	C - Character	ITEM_CODE	9	TEXTDATA
H D 12	Item Name	C - Character	LHS_UTILITY.GET_NAME('ITEM_CODE',ITEM_CODE)	35	TEXTDATA
H D 13	Item Remark	C - Character	SUBSTR(REMARK,1,35)	35	TEXTDATA
H D 14	UM Code	C - Character	UM	3	TEXTDATA
H D 15	UM Name	C - Character	LHS_UTILITY.GET_NAME('UM',UM)	15	TEXTDATA
H D 16	Addl UM Code	C - Character	AUM	3	TEXTDATA
H D 17	Addl UM Name	C - Character	LHS_UTILITY.GET_NAME('UM',AUM)	15	TEXTDATA
H D 18	Item Nature Code	C - Character	ITEM_NATURE	5	TEXTDATA

Find Column
Filter Column  Filter Column List Seq. 
Filter Table  Filter Table Column 
Other Columns to show

☐ View Specific Column Selection

Ok Cancel Check Clause


Tool Tip : Column Value

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BUTTONS	DESCRIPTION
Copy Column	To copy the column from other engine.
Find Column	To find the column from the defined column.
H	To select the column that is already define the some other engine.
D	To delete the row from the engine.
U	To move the row up side.
D	To move the row down side.
OK	To save the engine column.
Cancel	To cancel the changes.
Check Clause	To check the query that you wrote on column value to generate the desire output.

FIELDS	DESCRIPTION	R/O/C	FIELD VALUE / COMMENTS
Column Name	Column name	R	Specify the Column name for report.
Data Type	Data type	R	Select the data type from drop down for your specified column.
Column Value	Column value	R	Select the column from LOV that came from view or other defined engine.
Size	Size	R	Specify the size for specified column.
Block Name	Block name	R	Select the block name from drop down.

**With the combination of Option button Numeric Column/Matrix Column Grp-2 and Add/Edit Column following form will open.**

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**FM1604 -- Report Engine Configuration**

**Report details**

Report Engine\*  Engine Name  ☐ Check to configure UDC Columns ☐ Check to configure All Nafhead Amount

**Report column details**


SI No	Column Name*	Data Type*	Column Value*	Size	Block Name*
H D 1	Indent Quantity	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(QTYINDENT,0)),0)	16	NUMDATA
H D 2	Cancelled Quantity	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(QTYCANCELLED,0)),0)		NUMDATA
H D 3	Net Indent Quantity	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)),0)		NUMDATA
H D 4	Executed Qty (PO)	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(LHS_MM.GET_INDENT_QTYEXECUTE(ENTITY_CODE,TCODE,VRNC		NUMDATA
H D 5	Executed Qty (GRN)	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(LHS_MM.GET_INDENT_QTYEXECUTE(ENTITY_CODE,TCODE,VRNC		NUMDATA
H D 6	Executed Qty (PO/GRN)	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(LHS_MM.GET_INDENT_QTYEXECUTE(ENTITY_CODE,TCODE,VRNC		NUMDATA
H D 7	Balance Indent Qty (PO)	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)-NVL(LHS_MM.GET_INDENT		NUMDATA
H D 8	Balance Indent Qty (GRN)	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)-NVL(LHS_MM.GET_INDENT		NUMDATA
H D 9	Balance Indent Qty (PO/GRN)	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)-NVL(LHS_MM.GET_INDENT		NUMDATA
H D 10	Indent Rate	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(RATE,0)),0)		NUMDATA
H D 11	Prov. Value	D- Amount in Main Currency Decimal witl	NVL(SUM(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)),0) * NVL(SUM(NVL(RATE,		NUMDATA
H D 12	Addl Indent Qty	D- Amount in Main Currency Deci	NVL(SUM(NVL(AQTYINDENT,0)),0)		NUMDATA
H D					
H D					
H D					
H D					
H D					
H D					

☐ View Specific Column Selection

Tool Tip : Column Value

FIELDS	DESCRIPTION	R/O/C	FIELD VALUE / COMMENTS
Column Name	Column name	R	Specify the Column name for report.
Data Type	Data type	R	Select the data type from drop down for your specified column.
Column Value	Column value	R	Select the column from LOV that came from view or other defined engine.
Size	Size	R	Specify the size for specified column.
Block Name	Block name	R	Select the block name from drop down.

**With Option button Add/Edit Filter Clause.**

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FM1604 -- Report Engine Configuration

**Engine Wise Filter Entry/Other Global parameter(s) settings**

**Add Engine Name**

Report Engine \*

Filter Name*	User Seq*	Filter Clause	Filter Type
<input type="checkbox"/> Pending Indent (As per PO)	1	AND NVL(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)-NVL(LHS_MM.GET_INDENT_C	
<input type="checkbox"/> Pending Indent (As per GRN)	2	AND NVL(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)-NVL(LHS_MM.GET_INDENT_C	
<input type="checkbox"/> Pending Indent (As per PO/GRN)	3	AND NVL(NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0)-NVL(LHS_MM.GET_INDENT_C	
<input type="checkbox"/> Pending Indent for PO Generati	4	AND (NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0))>0 AND APPROVEDBY IS NOT NU	
<input type="checkbox"/> Pending Indent for GRN Genera	5	AND (NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0))>0 AND APPROVEDBY IS NOT NU	
<input type="checkbox"/> Pending Indent for PO/GRN Ger	6	AND (NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0))>0 AND APPROVEDBY IS NOT NU	
<input type="checkbox"/> Un-Approved Indent (Last Leve	7	AND APPROVEDBY IS NULL	
<input type="checkbox"/> Approved Indent (Last Level)	8	AND APPROVEDBY IS NOT NULL	
<input type="checkbox"/> Purchase Un-acknowledged Ind	9	AND (NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0))>0 AND ACKNOWLEDGEBY IS NU	
<input type="checkbox"/> Purchase Acknowledged Indent	10	AND (NVL(QTYINDENT,0)-NVL(QTYCANCELLED,0))>0 AND ACKNOWLEDGEBY IS NO	

FIELDS	DESCRIPTION	R/O/C	FIELD VALUE / COMMENTS
Filter Name	Filter name	R	Specify the Filter Name to filter data.
User Seq.	User seq.	R	Specify the user Seq. For filter sequence.
Filter Clause	Filter clause	R	Specify the query for filtering the required data.
Filter Type	Filter type	R	Select the filter type from drop down list.

R = Required, O = Optional, C = Conditional

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