



CIAL_SAP_PS_EUM_05_ESTIMATION PREPARATION

PREPARED BY



ABBREVIATIONS

ABBREVIATION	DESCRIPTION
CIAL	Cochin International Airport Ltd.

CHANGE HISTORY

Version	Description	Created by	Date	Reviewed by	Date
1.0	Estimation Preparation and Upload Estimates to Project	Shiv Shanker	26.12.2013		

Table of Contents

1.	Estimation Preparation and Upload Estimates to Project	4
----	--	---

1. Estimation Preparation and Upload Estimates to Project

Overview

Trigger:

This procedure will be used to make changes to business partner master that has previously been created.

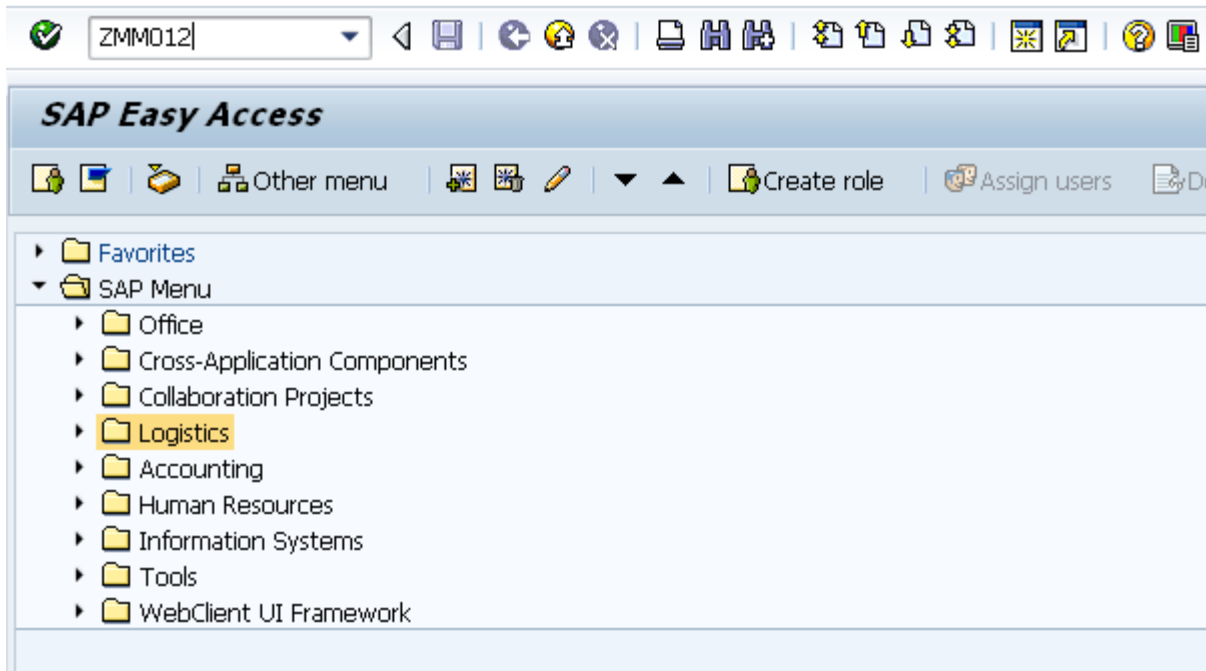
Business Process Description Overview	
This transaction will change existing business partner master record.	

Input - Required Fields	Field Value / Comments
BP No.	Seven character code

Procedural Steps

1.1. Access the transaction by:

Via Transaction Code	ZMM012
----------------------	--------



- Enter the transaction code " ZMM012" in command window to open the estimation tool screen

ESTIMATION TOOL

Estimation Tool

Estimation Tool

Category of Estimation	Department
<input checked="" type="radio"/> Project <input checked="" type="radio"/> Estimation by CIAL <input type="radio"/> External Consultant Estimation Upload <input type="radio"/> Non-Project	<input type="radio"/> Civil <input checked="" type="radio"/> Electrical <input type="radio"/> ICT

- Select "**Project**" radio button under category of estimates.
- Select radio button "**Estimation by CIAL**". (Separate EUM is designed to plan external consultant estimates).
- Select respective department radio button. **E.g. Electrical**

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version

Project ID

Work Package

BOQ Header

Network ID

Cost Index

Purchase Grp

Uploaded Estimates in Estimation Tool

Estimation no Display

Open

Open Partial Estimations

Partial Est.No. Open

Search Repository

External Consultant Estimation Upload

Estimation No created Available Project Budget 0.00 Upload BOQ to Project

Estimated Total Cost 0.00

WBS Element	Ctr...	Material	Short Description	Lon...	Material Group	U...	Base rate	Cos...	Final rate

Add Material Component Save Estimates

Estimation tool screen

- **Repo Version :** Enter Repository Version E.g. 2012
- **Project ID :** Select the project ID from the dropdown list and press enter button on the key board.
- **Work Package:** Select work package for which you want to plan the estimates and press enter button on the key board.
- **BOQ Header:** Select the respective BOQ header to plan the BOQ items (Supply Items and Service Items)
- **Network:** Network assigned to the respective work package will be displayed.
- **Cost Index:** System prompts the user to enter the cost index after selecting DSR items from repository to estimation tool.
- **Purchase Group:** Dropdown list will display all department wise Purchase group.

Note: One of the parameters in purchase order approval is purchase group. Therefore while selecting the purchase group in estimation tool, user must ensure that he is selecting the appropriate purchase group.

- **Search Repository:** User can enter the short text and search repository. System displays all items that starts with specific short text for user selection.

Note: BOQ items that are to be selected in estimation tool should be maintained in repository.

- **Add Material:** Provision is given to attach material component directly under service activities.
In this case material components are not created under separate internal activity in project. This option can be used when not given grater significance for project scheduling and tracking the actual dates of the material components.
- **Save Estimates:** Provision is given to partially save the estimates. System save's the estimates with work package name and 2 digit running number. Please note after uploading partial estimates to project, user will have to access the estimates by entering estimation number for any changes.
- **Upload Estimates:** Upload estimates from estimation tool to work package in project. BOQ items are created as external activities and material components (supply items) with detailed item text, qty required and price per unit.
- **Available Project Budget:** System display overall available budget in project.

Note – Budget has to be allocated to the project by finance department in order to see the available project budget in estimation tool.

- **Estimated Total Cost:** System display estimated total cost of the work package in this field.
- **Estimation number:** System generates estimation number after successful upload of estimates to project. Latest estimation number will be available in user defined field of external activity in project.
- **Partial Est. No:** System save's existing estimates with partial estimation number. Partial estimation number contain the work package and running number. After saving the estimates, user can open partial estimation by selecting the partial estimation number from the dropdown list.
- **Rate analysis attachment:** If final rate is more than the base rate for an item, system prompts the user to attach detailed rate analysis for that line item. This attachment will be available on click of the estimation number hyperlink in estimation tool for the estimation approvers.
- **Estimated Days:** User needs to enter the estimated days to complete the line item work. E.g. 10 days.

Note: Only for DSR items, the base rate of the item is multiplied with the cost index to arrive at the final rate for the item.

- **Item Category:**

- It is applicable for supply items only.
- Material items are to be selected as **"L or N"**.
 - **"L"** represents – **Stock Items**
 - **"N"** represents – **Non-Stock Items**
- Supply Item that are to be taken into general stock from the project stock after completion of work as to be selected as **"L" – Stock Items**. Goods receipts posting for stock items leads to bring the material into project stock. These materials needs to be issued to the project for consumption and remaining material can be transferred from project stock to general inventory.
- Supply items that needn't be taken into general stock and any left over stock will be taken over by the contractor can be taken as **"N" – Non –stock items**. Goods receipts posting for these items leads to **consumption posting**.

PROJECT ESTIMATION TOOL

WBS Element (1) 4 Entries found

Restrictions

Project Estimation Tool

Repo. Version 2012

Project ID E/13-14/047

Work Package

BOQ Header

Network ID

Cost Index

Purchase Grp

External Consultant Estimation Upload

Estimation No created

WBS Elem	Description	Order
E/13-14/047	Rewamping of City Side lights -Building	1000243
E/13-14/047.01	Lighting Works	1000243
E/13-14/047.01.01	Supply Items	
E/13-14/047.01.02	Service Items	

4 Entries found

WBS Element Ctr... Material

Add Material Component

Save Estimates

- Select work package from the dropdown list press enter button on the keyboard.

PROJECT ESTIMATION TOOL

WBS Element (1) 2 Entries found
✕

Project Estimation Tool	
Repo. Version	2012
Project ID	E/13-14/047
Work Package	E/13-14/047.01
BOQ Header	
Network ID	1000243
Cost Index	
Purchase Grp	
External Consultant Estimation Upload	
Estimation No created	

WBS Element	Ctr...	Material

Restrictions

WBS Elem	Description	Order
E/13-14/047.01.01	Supply Items	1000243
E/13-14/047.01.02	Service Items	1000243

2 Entries found

Add Material Component

Save Estimates

- Select BOQ header from the dropdown list and press enter button on the keyboard.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version 2012

Project ID E/13-14/047

Work Package E/13-14/047.01

BOQ Header E/13-14/047.01.01

Network ID 1000243

Cost Index

Purchase Grp

External Consultant Estimation Uplo

Estimation No created

WBS Element Ctr...

Purchasing Group (1) 4 Entries found

Restrictions

PGr	Description
EL1	Electrical group1
EL2	Electrical group2
EL3	Electrical group3
EL4	Electrical group4

Uploaded Estimates in Estimation Tool

Estimation no

Display

Open

Open Partial Estimations

Partial Est.No.

Open

Search Repository

0.00

0.00

U... Base rate Cos... Final rate

Upload BOQ to Project

Save Estimates

Add Material Component

- Select purchase group from the dropdown list.

Note: One of the parameters in purchase order approval is purchase group. Therefore while selecting the purchase group in estimation tool, user must ensure that he is selecting the appropriate purchase group.



PROJECT ESTIMATION TOOL

Project Estimation Tool


Estimation for Projects - Electrical Department

Repo. Version **2012**
 Project ID **E/13-14/047**
 Work Package **E/13-14/047.01**
 BOQ Header **E/13-14/047.01.01**
 Network ID **1000243**
 Cost Index
 Purchase Grp **EL2**

Uploaded Estimates in Estimation Tool

Estimation no  Display
 Open


Open Partial Estimations

Partial Est.No.  Open







 Search Repository


External Consultant Estimation Upload


Estimation No created

Available Project Budget **7,200,000.00**  Upload BOQ to Project

Estimated Total Cost **0.00**

WBS Element	Ctrl...	Material	Short Description	Lon...	Material Group	U...	Base rate	Cos...	Final rate
									
									
									
									
									
									

 Add Material Component

 Save Estimates

- Available project budget will be displayed in the field.

Note: For this information to be available in estimates, budget needs to be distributed from Investment Program structure to the project. Budget distribution will be performed by the responsible person from finance department.

PROJECT ESTIMATION TOOL


Project Estimation Tool

Estimation for Projects - Electrical Department


Repo. Version 2012
 Project ID E/13-14/047
 Work Package E/13-14/047.01
 BOQ Header E/13-14/047.01.01
 Network ID 1000243
 Cost Index
 Purchase Grp EL2


Enter the short text and
press "Search Repository"

Uploaded Estimates in Estimation Tool

Estimation no  Display
 Open







Open Partial Estimations


Partial Est.No.  Open


CONDUIT  Search Repository

External Consultant Estimation Upload

Estimation No created Available Project Budget 7,200,000.00  Upload BOQ to Project
 Estimated Total Cost 0.00

WBS Element	Ctr...	Material	Short Description	Lon...	Material Group	U...	Base rate	Cos...	Final rate
									
									
									
									
									
									

 Add Material Component

 Save Estimates

- Enter short text and press search repository button to search for DSR/NDSR items.

DSR Repository

 SELECT

- 13

DSR Repository

 SELECT

Project Estimation Tool

Uploaded Estimates in Estimation Tool

Estimation no

 Display

 Open

Open Partial Estimations

Partial Est.No.

 Open Search Repository

External Consultant Estimation Upload

Estimation No created

Available Project Budget

7,200,000.00

▲ Upload BOQ to Project

Estimated Total Cost

0.00

[illegible]

Add Material Component

Save Estimates

- BOQ items are selected from repository to estimation tool.

Project Estimation Tool

Uploaded Estimates in Estimation Tool

Estimation no

Open Partial Estimations

Partial Est.No.

Search Repository

External Consultant Estimation Upload

Estimation No created

Available Project Budget

7,200,000.00

▲ Upload BOQ to Project

Estimated Total Cost

0.00

[illegible]

Add Material Component


Save Estimates

- Final rate and quantity required are entered for NDSR items in the above screen.

Project Estimation Tool

Uploaded Estimates in Estimation Tool

Open Partial Estimations

 Search Repository

[illegible] Save Estimates

- 17

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version 2012
 Project ID E/13-14/047
 Work Package E/13-14/047.01
 BOQ Header E/13-14/047.01.01
 Network ID 1000243
 Cost Index
 Purchase Grp EL2

Uploaded Estimates in Estimation Tool

Estimation no Display
 Open

Open Partial Estimations

Partial Est.No. Open

External Consultant Estimation Upload

Estimation No created

Available Project Bu

Estimated Tot

U...	Base rate	Cos...	Final rate	Estimated Quantity	Total Cost	Estimated Days	Item Category
M	100.00		120	20	0.000	20	
M	800.00		1050	30	0.000		

Restrict Value Range (1) 2 Entries found

Restrictions

FOO... Char
 L L-Stock Items
 N N-Non-Stock Items

- Select "L" for material to be taken as project stock item.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version: 2012

Project ID: E/13-14/047

Work Package: E/13-14/047.01

BOQ Header: E/13-14/047.01.01

Network ID: 1000243

Cost Index:

Purchase Grp: EL2

Uploaded Estimates in Estimation Tool

Estimation no: Display Open

Open Partial Estimations

Partial Est.No.: Open

Search Repository

External Consultant Estimation Upload

Estimation No created: Available Project Budget: 7,200,000.00 Upload BOQ to Project

Estimated Total Cost: 0.00

Base rate	Cos...	Final rate	Estimated Quantity	Total Cost	Estimated Days	Item Category	Material Type	Repo.Reference No	Network	File Dc
100.00		120.00	20.000	0.000	20	L	CONSUMABLE MATERIALS	NDSR0008	1000243	
800.00		1050	30	0.000			Consumable Materials	NDSR0021	1000243	

Item Category 'L' selected

Add Material Component Save Estimates

- Item category "L" selected.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version: 2012

Project ID: E/13-14/047

Work Package: E/13-14/047.01

BOQ Header: E/13-14/047.01.01

Network ID: 1000243

Cost Index:

Purchase Grp: EL2

Uploaded Estimates in Estimation Tool

Estimation no: Display

Open

Open Partial Estimations

Partial Est.No.: Open

Search Repository

External Consultant Estimation Upload

Estimation No created: Available Project Budget: 7,200,000.00 Upload BOQ to Project

Estimated Total Cost: 0.00

WBS Element	Ctr...	Material	Short Description	Lon...	Material Gr...	U...	Base rate	Cos...	Final rate	Estimated Quantity	Total Cost	Estimated D.
13-14/047.01.01		100060	CONDUIT 25 MM PVC 1		CONDUIT	M	100.00		120.00	20.000	0.000	
E/13-14/047.01. ...		100073	CONDUIT 20MM PVC 1		Conduit	M	800.00		100.00	30	0.000	

Add Material Component Save Estimates

Please attach rate analysis calculations

SAP SHIV cialqec INS

Final Rate of item is more then base rate.
Rate analysis attachment is mandatory

- System prompting the user to attach market rate analysis attachment for the line item.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version
Project ID
Work Package
BOQ Header
Network ID
Cost Index
Purchase Grp

Uploaded Estimates in Estimation Tool

Estimation no

Open Partial Estimations

Partial Est.No.

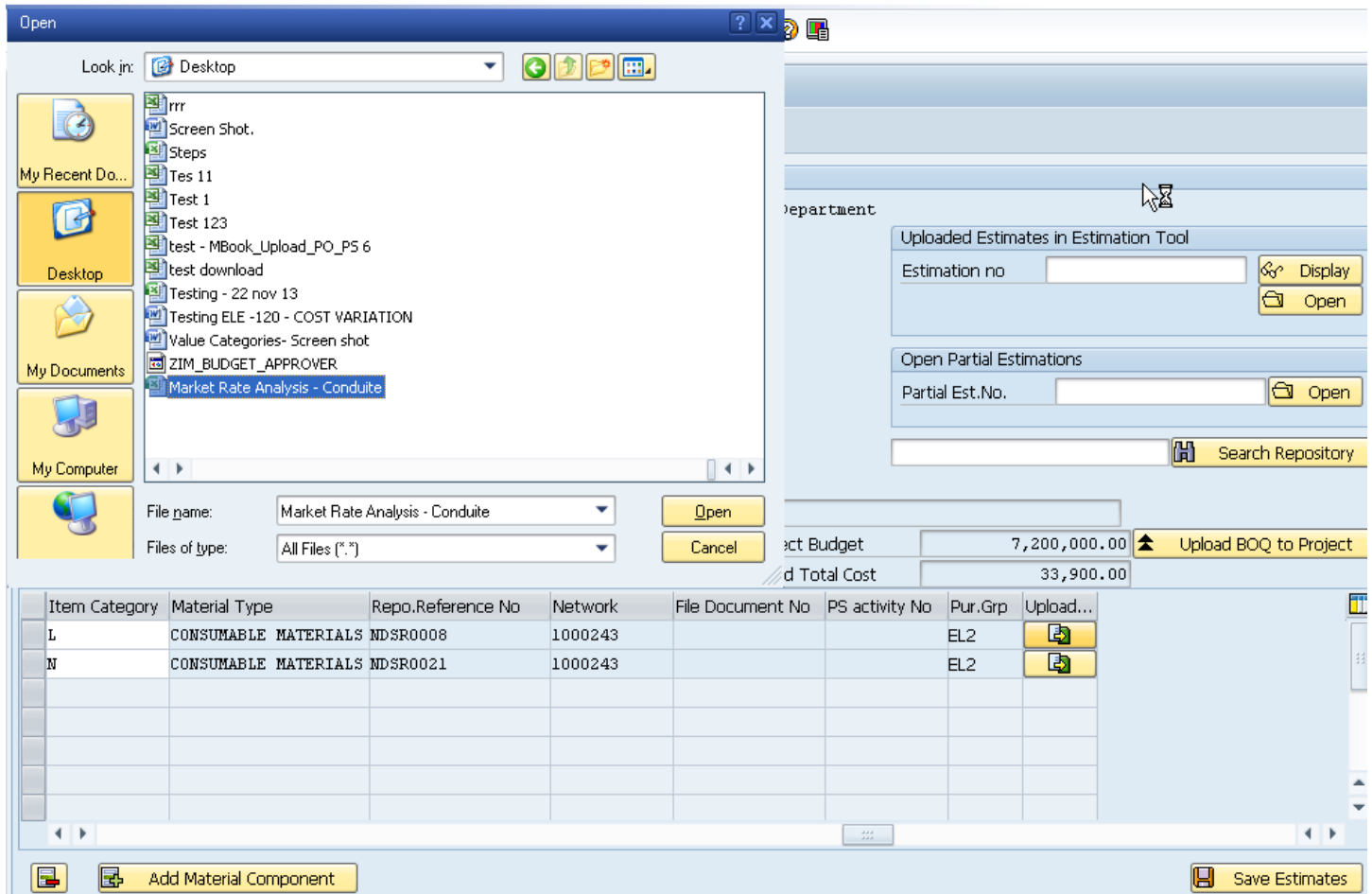
External Consultant Estimation Upload

Estimation No created Available Project Budget
Estimated Total Cost

Repo.Reference No	Network	File Document No	PS activity No	Pur.Grp	Upload...
ND\$R0008	1000243			EL2	<input type="button" value="Upload..."/>
ND\$R0021	1000243			EL2	<input type="button" value="Export"/>

Press button to
upload Rate
Analysis

- Press button to attached the market rate analysis document for the line item.



- Select the attachment and upload.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version **2012**
 Project ID **E/13-14/047**
 Work Package **E/13-14/047.01**
 BOQ Header **E/13-14/047.01.01**
 Network ID **1000243**
 Cost Index
 Purchase Grp **EL2**

Uploaded Estimates in Estimation Tool

Estimation no Display
 Open

Open Partial Estimations

Partial Est.No. Open
 Open Partially Saved Estima
 Search Repository

External Consultant Estimation Upload

Estimation No created Available Project Budget **7,200,000.00** Upload BOQ to Project
 Estimated Total Cost **33,900.00**

Item Category	Material Type	Repo.Reference No	Network	File Document No	PS activity No	Pur.Grp	Upload...
L	CONSUMABLE MATERIALS	NDSR0008	1000243	000000000000017...		EL2	
N	CONSUMABLE MATERIALS	NDSR0021	1000243			EL2	

File attached

Add Material Component

Save Estimates

File uploaded to Content server

SAP

SHIV cialqec INS

- File uploaded message appears on the screen.

PROJECT ESTIMATION TOOL

Project Estimation Tool WBS Element (1) 2 Entries found

Restrictions

Repo. Version 2012

Project ID E/13-14/047

Work Package E/13-14/047.01

BOQ Header E/13-14/047.01.01

Network ID 1000243

Cost Index

Purchase Grp EL2

External Consultant Estimation Upload

Estimation No created

WBS Element	Ctr...	Material
E/13-14/047.01.01		100060
E/13-14/047.01.01		100073

2 Entries found

Add Material Component

Save Estimates

WBS Elem	Description	Order
E/13-14/047.01.01	Supply Items	1000243
E/13-14/047.01.02	Service Items	1000243

Display

Open

Open

Repository

to Project

120.00

1,050.00

- Change the BOQ header and plan BOQ header specific items from repository.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version
 Project ID
 Work Package
 BOQ Header
 Network ID
 Cost Index
 Purchase Grp

Uploaded Estimates in Estimation Tool

Estimation no

Open Partial Estimations

Partial Est.No.

External Consultant Estimation Upload


Estimation No created Available Project Budget
 Estimated Total Cost


















WBS Element	Ctr...	Material	Short Description	Lon...	Material Group	U...	Base rate	Cos...	Final rate
E/13-14/047.01.01		100060	CONDUIT 25 MM PVC 1		CONDUIT	M	100.00		120.00
E/13-14/047.01.01		100073	CONDUIT 20MM PVC 1		CONDUIT	M	800.00		1,050.00

- Enter short text and search items from repository.


DSR Repository

DSR Repository

 Search by text

Re...	Material	Repo.Reference No	D...	Short Text	Lon...	U...	Base rate	Material Group	Material Type	File D
2012	800334	DSR-4.1.1	D	CABLE TRAYS 4.1.1		M	405.00	Electrical Services	Electrical Services	
2012	800335	DSR-4.1.2	D	CABLE TRAYS 4.1.2		M	464.00	Electrical Services	Electrical Services	
2012	800337	DSR-4.1.4	D	CABLE TRAYS 4.1.4		M	677.00	Electrical Services	Electrical Services	
2012	800338	DSR-4.1.5	D	CABLE TRAYS 4.1.5		M	846.00	Electrical Services	Electrical Services	
2012	800340	DSR-4.1.7	D	CABLE TRAYS 4.1.7		M	1,210.00	Electrical Services	Electrical Services	
2012	800341	DSR-4.1.8	D	CABLE TRAYS 4.1.8		M	756.00	Electrical Services	Electrical Services	
2012	800342	DSR-4.1.9	D	CABLE TRAYS 4.1.9		M	851.00	Electrical Services	Electrical Services	
2012	800344	DSR-4.1.11	D	CABLE TRAYS 4.1.11		M	1,264.00	Electrical Services	Electrical Services	
2012	800345	DSR-4.1.12	D	CABLE TRAYS 4.1.12		M	1,475.00	Electrical Services	Electrical Services	
2012	800347	DSR-4.1.14	D	CABLE TRAYS 4.1.14		M	1,301.00	Electrical Services	Electrical Services	
2012	800348	DSR-4.1.15	D	CABLE TRAYS 4.1.15		M	1,507.00	Electrical Services	Electrical Services	
2012	800350	DSR-4.2.1	D	CABLE TRAYS 4.2.1		EA	678.00	Electrical Services	Electrical Services	
2012	800351	DSR-4.2.2	D	CABLE TRAYS 4.2.2		EA	790.00	Electrical Services	Electrical Services	
2012	800353	DSR-4.2.4	D	CABLE TRAYS 4.2.4		EA	1,197.00	Electrical Services	Electrical Services	
2012	800354	DSR-4.2.5	D	CABLE TRAYS 4.2.5		EA	1,507.00	Electrical Services	Electrical Services	
2012	800356	DSR-4.2.7	D	CABLE TRAYS 4.2.7		EA	2,196.00	Electrical Services	Electrical Services	
2012	800357	DSR-4.2.8	D	CABLE TRAYS 4.2.8		EA	1,349.00	Electrical Services	Electrical Services	



 SELECT

- Select BOQ items from repository.

DSR Repository

Search by text

Re...	Material	Repo.Reference No	D...	S
2012	800334	DSR-4.1.1	D	C
2012	800335	DSR-4.1.2	D	C
2012	800337	DSR-4.1.4	D	C
2012	800338	DSR-4.1.5	D	C
2012	800340	DSR-4.1.7	D	C
2012	800341	DSR-4.1.8	D	C
2012	800342	DSR-4.1.9	D	C
2012	800344	DSR-4.1.11	D	C
2012	800345	DSR-4.1.12	D	C
2012	800347	DSR-4.1.14	D	C
2012	800348	DSR-4.1.15	D	C
2012	800350	DSR-4.2.1	D	C
2012	800351	DSR-4.2.2	D	C
2012	800353	DSR-4.2.4	D	C
2012	800354	DSR-4.2.5	D	C
2012	800356	DSR-4.2.7	D	C
2012	800357	DSR-4.2.8	D	C

Display note

"Supplying and installing following size of perforated pre-painted
 M.S. cable trays with perforation not more than 17.5%, in
 convenient sections, joined with connectors, suspended from the
 ceiling with M.S.suspenders including bolts & nuts, painting
 suspenders etc as required:300 mm width X 62.5 mm depth X 2.0 mm thickr

Li 1, Co 1















Ln 1 - Ln 5 of 5 lines

- Click long text icon to see the long text of the BOQ item

DSR Repository

DSR Repository

 Search by text

Re...	Material	Repo.Reference No	D...	Short Text	Lon...	U...	Base rate	Material Group	Material Type	File D
2012	800334	DSR-4.1.1	D	CABLE TRAYS 4.1.1		M	405.00	Electrical Services	Electrical Services	
2012	800335	DSR-4.1.2	D	CABLE TRAYS 4.1.2		M	464.00	Electrical Services	Electrical Services	
2012	800337	DSR-4.1.4	D	CABLE TRAYS 4.1.4		M	677.00	Electrical Services	Electrical Services	
2012	800338	DSR-4.1.5	D	CABLE TRAYS 4.1.5		M	846.00	Electrical Services	Electrical Services	
2012	800340	DSR-4.1.7	D	CABLE TRAYS 4.1.7		M	1,210.00	Electrical Services	Electrical Services	
2012	800341	DSR-4.1.8	D	CABLE TRAYS 4.1.8		M	756.00	Electrical Services	Electrical Services	
2012	800342	DSR-4.1.9	D	CABLE TRAYS 4.1.9		M	851.00	Electrical Services	Electrical Services	
2012	800344	DSR-4.1.11	D	CABLE TRAYS 4.1.11		M	1,264.00	Electrical Services	Electrical Services	
2012	800345	DSR-4.1.12	D	CABLE TRAYS 4.1.12		M	1,475.00	Electrical Services	Electrical Services	
2012	800347	DSR-4.1.14	D	CABLE TRAYS 4.1.14		M	1,301.00	Electrical Services	Electrical Services	
2012	800348	DSR-4.1.15	D	CABLE TRAYS 4.1.15		M	1,507.00	Electrical Services	Electrical Services	
2012	800350	DSR-4.2.1	D	CABLE TRAYS 4.2.1		EA	678.00	Electrical Services	Electrical Services	
2012	800351	DSR-4.2.2	D	CABLE TRAYS 4.2.2		EA	790.00	Electrical Services	Electrical Services	
2012	800353	DSR-4.2.4	D	CABLE TRAYS 4.2.4		EA	1,197.00	Electrical Services	Electrical Services	
2012	800354	DSR-4.2.5	D	CABLE TRAYS 4.2.5		EA	1,507.00	Electrical Services	Electrical Services	
2012	800356	DSR-4.2.7	D	CABLE TRAYS 4.2.7		EA	2,196.00	Electrical Services	Electrical Services	
2012	800357	DSR-4.2.8	D	CABLE TRAYS 4.2.8		EA	1,349.00	Electrical Services	Electrical Services	



- Select BOQ items required and press select button the bottom right of the screen.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version 2012
 Project ID E/13-14/047
 Work Package E/13-14/047.01
 BOQ Header E/13-14/047.01.02
 Network ID 1000243
 Cost Index
 Purchase Grp EL2

System prompts user to enter Cost Index for DSR Items

Uploaded Estimates in Estimation Tool

Estimation no Display Open

Open Partial Estimations

Partial Est.No. Open

Search Repository

External Consultant Estimation Upload

Estimation No created E/13-14/047.01-01 Available Project Budget 7,200,000.00 Upload BOQ to Project
 Estimated Total Cost 33,900.00

WBS Element	Ctr...	Material	Short Description	Lon...	Material Group	U...	Base rate	Cos...	Final rate
E/13-14/047.01.01		100060	CONDUIT 25 MM PVC 1		CONDUIT	M	100.00		120.00
E/13-14/047.01.01		100073	CONDUIT 20MM PVC 1		CONDUIT	M	800.00		1,050.00
E/13-14/047.01.02		800337	CABLE TRAYS 4.1.4		Electrical Services	M	677.00		0.00
E/13-14/047.01.02		800342	CABLE TRAYS 4.1.9		Electrical Services	M	851.00		0.00
E/13-14/047.01.02		800350	CABLE TRAYS 4.2.1		Electrical Services	EA	678.00		0.00
E/13-14/047.01.02		800354	CABLE TRAYS 4.2.5		Electrical Services	EA	1,507.00		0.00

Add Material Component Save Estimates

! Cost Index is mandatory

SAP

SHIV cialqec INS

- System prompting the user to enter cost index as DSR items are selected from repository to estimation tool.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version 2012
 Project ID E/13-14/047
 Work Package E/13-14/047.01
 BOQ Header E/13-14/047.01.02
 Network ID 1000243
 Cost Index 1.3
 Purchase Grp EL2

Uploaded Estimates in Estimation Tool

Estimation no Display
 Open

Open Partial Estimations

Partial Est.No. Open

Search Repository

External Consultant Estimation Upload

Estimation No created E/13-14/047.01-01 Available Project Budget 7,200,000.00 Upload BOQ to Project
 Estimated Total Cost 33,900.00

Ctr...	Material	Short Description	Lon...	Material Group	U...	Base rate	Cos...	Final rate	Estimated Quantity	Total Co
	100060	CONDUIT 25 MM PVC 1		CONDUIT	M	100.00		120.00	20.000	
	100073	CONDUIT 20MM PVC 1		CONDUIT	M	800.00		1,050.00	30.000	
	800337	CABLE TRAYS 4.1.4		Electrical Services	M	677.00		0.00		
	800342	CABLE TRAYS 4.1.9		Electrical Services	M	851.00		0.00		
	800350	CABLE TRAYS 4.2.1		Electrical Services	EA	678.00		0.00		
	800354	CABLE TRAYS 4.2.5		Electrical Services	EA	1,507.00		0.00		

Add Material Component

Save Estimates

! Estimated Quantity is mandatory

SAP

SHIV cialqec INS

- Cost index entered
- System prompting the user to enter the quantity for the BOQ items.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version **2012**
 Project ID E/13-14/047
 Work Package E/13-14/047.01
 BOQ Header E/13-14/047.01.02
 Network ID 1000243
 Cost Index 1.3
 Purchase Grp EL2

Uploaded Estimates in Estimation Tool

Estimation no Display
 Open

Open Partial Estimations

Partial Est.No. E/13-14/047.01-01 Open

Search Repository

External Consultant Estimation Upload

Estimation No created E/13-14/047.01-01 Available Project Budget 7,200,000.00 Upload BOQ to Project

Estimated Total Cost 145,901.50

Lon...	Material Group	U...	Base rate	Cos...	Final rate	Estimated Quantity	Total Cost	Esti...	Ite...	Material Type
	CONDUIT	M	100.00		120.00	20.000	2,400.000	20	L	CONSUMABLE MATERIA
	CONDUIT	M	800.00		1,050.00	30.000	31,500.000	10	N	CONSUMABLE MATERIA
	ELECTRICAL SERVICES	M	677.00	1.3	880.10	25.000	22,002.500	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	M	851.00	1.3	1,106.30	30.000	33,189.000	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	EA	678.00	1.3	881.40	20.000	17,628.000	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	EA	1,507.00	1.3	1,959.10	20.000	39,182.000	20		ELECTRICAL SERVICE



Add Material Component



Save Estimates

☒ Partial Estimates saved- E/13-14/047.01-01



SHIV cialqec INS

- Click save estimates to partially save the estimated.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version 2012
 Project ID E/13-14/047
 Work Package E/13-14/047 [Return to Homepage](#)
 BOQ Header E/13-14/047
 Network ID 1000243 Would you like to exit the Estimation screen?
 Cost Index 1.3
 Purchase Grp EL2

Uploaded Estimates in Estimation Tool

Estimation no Display
 Open

Open Partial Estimations

Partial Est.No. E/13-14/047.01-01 Open

Search Repository

External Consultant Estimation

Estimation No created E/13-14/047.01-01 Available Project Budget 7,200,000.00 Upload BOQ to Project

Estimated Total Cost 145,901.50

Lon...	Material Group	U...	Base rate	Cos...	Final rate	Estimated Quantity	Total Cost	Esti...	Ite...	Material Type
	CONDUIT	M	100.00		120.00	20.000	2,400.000	20 L		CONSUMABLE MATERIAL
	CONDUIT	M	800.00		1,050.00	30.000	31,500.000	10 M		CONSUMABLE MATERIAL
	ELECTRICAL SERVICES	M	677.00	1.3	880.10	25.000	22,002.500	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	M	851.00	1.3	1,106.30	30.000	33,189.000	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	EA	678.00	1.3	881.40	20.000	17,628.000	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	EA	1,507.00	1.3	1,959.10	20.000	39,182.000	20		ELECTRICAL SERVICE

Add Material Component

Save Estimates

- Return back from estimation screen.

ESTIMATION TOOL

Estimation Tool

Estimation Tool

Category of Estimation

- ☒ Project
☒ Estimation by CIAL
☐ External Consultant Estimation Upload
☐ Non-Project

Department

- ☐ Civil
☒ Electrical
☐ ICT

Refresh DSR Repository

Proceed to Estimation

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version

Project ID

Work Package

BOQ Header

Network ID

Cost Index

Purchase Grp

Open partial saved estimates by selecting partial estimation number

Uploaded Estimates in Estimation Tool

Estimation no Display Open

Open Partial Estimations

Partial Est.No. Open

Search Repository

External Consultant Estimation Upload

Estimation No created Available Project Budget 7,200,000.00 Upload BOQ to Project

Estimated Total Cost 0.00

Lon...	Material Group	U...	Base rate	Cos...	Final rate	Estimated Quantity	Total Cost	Esti...	Ite...	Material Type

Add Material Component Save Estimates

- Select and enter partial estimation number from the dropdown list.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Restrict Value Range (1) 4 Entries found

Restrictions

Repo. Version

Project ID

Work Package

BOQ Header

Network ID

Cost Index

Purchase Grp

External Consultant Estimation Upload

F0001	Description
E/13-14/012.02-01	Cabling Works
E/13-14/039.03-01	Commissioning of CHILLERS
E/13-14/040.01-01	supply of cable
E/13-14/047.01-01	Lighting Works

PROJECT ESTIMATION TOOL

Project Estimation Tool


Estimation for Projects - Electrical Department

Repo. Version
 Project ID
 Work Package
 BOQ Header
 Network ID
 Cost Index
 Purchase Grp

Uploaded Estimates in Estimation Tool

Estimation no  Display
 Open


Open Partial Estimations

Partial Est.No.  Open








Open Partially Saved Estimat

 Search Repository

External Consultant Estimation Upload

Estimation No created Available Project Budget  Upload BOQ to Project

Estimated Total Cost

Lon...	Material Group	U...	Base rate	Cos...	Final rate	Estimated Quantity	Total Cost	Esti...	Ite...	Material Type
										
										
										
										
										
										
										



Add Material Component



Save Estimates

- Click on open push button.

PROJECT ESTIMATION TOOL



Project Estimation Tool

Estimation for Projects - Electrical Department


Repo. Version **2012**
 Project ID E/13-14/047
 Work Package E/13-14/047.01
 BOQ Header E/13-14/047.01.01
 Network ID 1000243
 Cost Index 1.3
 Purchase Grp EL2

Partial saved estimates are opened below

Uploaded Estimates in Estimation Tool


Estimation no  Display  Open

Open Partial Estimations







Partial Est.No. E/13-14/047.01-01  Open

 Search Repository

External Consultant Estimation Upload

Estimation No created Available Project Budget 7,200,000.00  Upload BOQ to Project

Estimated Total Cost 145,901.50

Lon...	Material Group	U...	Base rate	Cos...	Final rate	Estimated Quantity	Total Cost	Esti...	Ite...	Material Type
	CONDUIT	M	100.00		120.00	20.000	2,400.000	20	L	CONSUMABLE MATERIAL
	CONDUIT	M	800.00		1,050.00	30.000	31,500.000	10	N	CONSUMABLE MATERIAL
	ELECTRICAL SERVICES	M	677.00	1.3	880.10	25.000	22,002.500	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	M	851.00	1.3	1,106.30	30.000	33,189.000	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	EA	678.00	1.3	881.40	20.000	17,628.000	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	EA	1,507.00	1.3	1,959.10	20.000	39,182.000	20		ELECTRICAL SERVICE

- Partial saved estimates opened in the estimation screen for additions/deletion and changes of qty rate etc.

PROJECT ESTIMATION TOOL

Project Estimation Tool

Estimation for Projects - Electrical Department

Repo. Version **2012**
 Project ID **E/13-14/047**
 Work Package **E/13-14/047.01**
 BOQ Header **E/13-14/047.01.01**
 Network ID **1000243**
 Cost Index **1.3**
 Purchase Grp **EL2**

Uploaded Estimates in Estimation Tool

Estimation no Display
 Open







Open Partial Estimations

Partial Est.No. **E/13-14/047.01-01** Open

Search Repository

External Consultant Estimation Upload

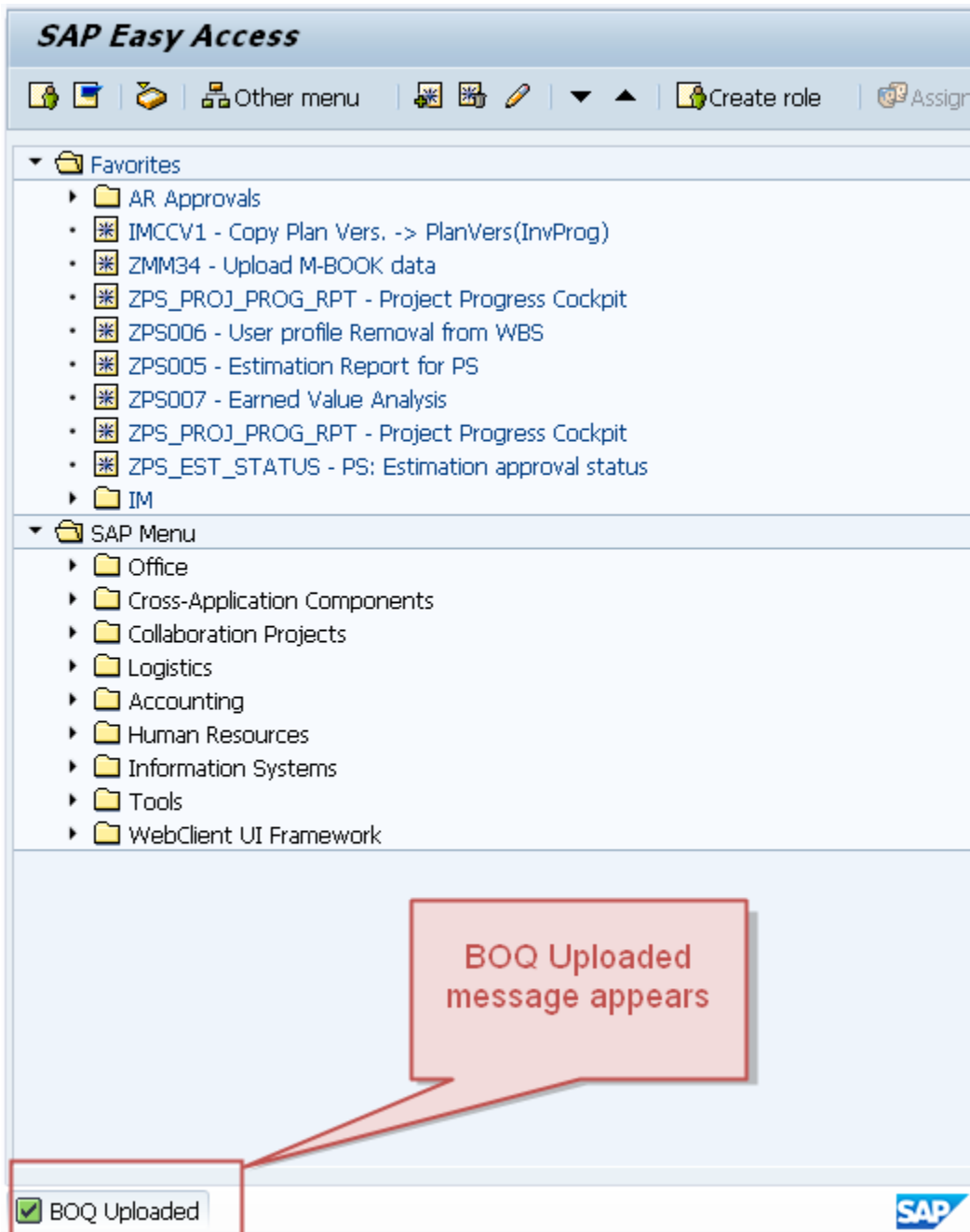
Estimation No created Available Project Budget **7,200,000.00**
 Estimated Total Cost **145,901.50** Upload BOQ to Project

Upload to Project										
Lon...	Material Group	U...	Base rate	Cos...	Final rate	Estimated Quantity	Total Cost	Esti...	Ite...	Material Type
	CONDUIT	M	100.00		120.00	20.000	2,400.000	20	L	CONSUMABLE MATERIA
	CONDUIT	M	800.00		1,050.00	30.000	31,500.000	10	N	CONSUMABLE MATERIA
	ELECTRICAL SERVICES	M	677.00	1.3	880.10	25.000	22,002.500	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	M	851.00	1.3	1,106.30	30.000	33,189.000	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	EA	678.00	1.3	881.40	20.000	17,628.000	10		ELECTRICAL SERVICE
	ELECTRICAL SERVICES	EA	1,507.00	1.3	1,959.10	20.000	39,182.000	20		ELECTRICAL SERVICE

Add Material Component

Save Estimates

- After completing estimation preparation, press button **"Upload BOQ to Project"**



- After successful upload of estimates, system generates message – BOQ uploaded