

PROJECTION OF CONSTRUCTION DEMAND (myPROJEXIS) version 2.2

System User's Manual



Business & International Division
Construction Industry Development Board Malaysia
Level 10, No 45, Menara Dato' Onn
Putra World Trade Centre, Jalan Tun Ismail
50480 KUALA LUMPUR
Website: www.cidb.gov.my
email: forecast@cidb.gov.my

© 2013-2019, Construction Industry Development Board Malaysia. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in retrieval systems, or translated into any language or computer language, in any form or by any means: electronic, mechanical, magnetic, optical, chemical, manual, or otherwise, without prior written permission from CIDB Malaysia.

The information in this manual is subject to change without notice. CIDB Malaysia reserves the right to change its products and services at any time to incorporate the latest technological developments. Although this manual has been prepared with every precaution to ensure accuracy, CIDB Malaysia including its subsidiary companies and suppliers assume no liability for any errors or omissions, nor for any damages resulting from the application or use of this information.

This System User's Manual is for CIDB Malaysia internal use only.

Table of Contents

Chapter 1: Introduction

About the documentation	4
Technical assistance	4
Limitations	4
System requirements	4

Chapter 2: Overview

Software overview	6
Workflow overview	6
Starting the software	6

Chapter 3: Creating a new announced project

New announced project overview	9
Creating a new announced project	9
Modifying created announced project	10

Chapter 4: Importing awarded projects

Awarded projects overview	12
Importing data	12
Syncing announced and awarded projects	13

Chapter 5: Viewing projection of demands

Viewing construction demand	15
Viewing material demand	16
Viewing worker demand	18

Chapter 6: Reports management

Viewing reports	21
Viewing dashboard	21

Chapter 7: Data management

Working projects database	25
Using the project category library	26
Using the state rate library	26
Using the fluctuation of price function	27
Using the constant value for construction S-curve	28
Using the construction weightage	29
Using the labour multiplier	29
Using the user management library	30

Chapter 8: Reference information

Using settings functions	33
--------------------------------	----

Chapter 9: Troubleshooting

Troubleshooting	36
-----------------------	----

1 Introduction

About the documentation

Documentation Contents

The Projection of Construction Demand (myPROJEXIS) System User's Manual describes how to operate the web-based software.

This manual assumes you have knowledge and understanding of the process of projection of construction demand, material demand and worker demand.

This system user's manual shall be read in conjunction with three documents:

1. **Manual for Projection of Construction Demand**
2. **Manual for Projection of Demand for Construction Materials**
3. **Manual for Projection of Demand for Construction Workers**
4. **Methodology for Construction Workers' Profile**

Technical assistance

Contact Information

If you require technical assistance, contact your technical support representative of Information Management Division of CIDB Malaysia or the supplier.

Limitations

Limitations

For internal use of CIDB Malaysia Only.

System requirements

Software requirements

myPROJEXIS software requires either one of the following web browsers:

- Internet Explorer
- Google Chrome
- Mozilla Firefox
- Safari (for Mac use only)

2 Overview

Software overview

Overview

myPROJEXIS is a tool that enable CIDB to forecast the value of work to be done and its contribution to the overall GDP, the demand for 41 major materials (8 building materials and 41 civil materials) consumed in construction and 22 worker categories (9 building workers and 21 civil workers) of construction workers for building and civil engineering projects.

The record of construction projects in the CIDB integrated database provides a rich source of information crucial in the projection of construction demand. These projects are those awarded in the entire country valued at more than RM500,000 each covering projects from both private and public sector investment. Apart from this, myPROJEXIS also caters for projects that are in the pipeline.

Workflow overview

Workflow stages

The standard workflow includes these stages.

Stage	Description
1	Starting the software
2	Creating a new announced project
3	Importing awarded projects
4	Viewing the demands
5	Reports management

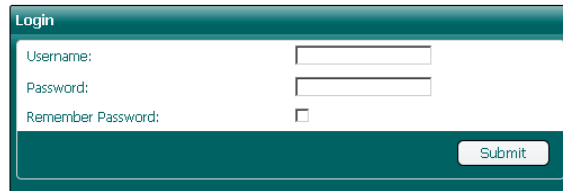
Starting the software

Procedure

To start the software:

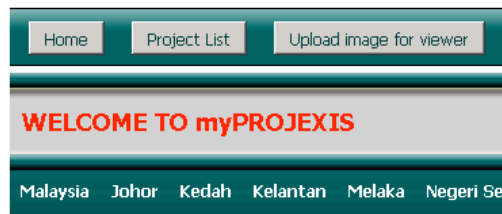
1. Go to myPROJEXIS website
The website is as per registered domain (<http://myprojexis.cidb.gov.my>). As the software starts, the Login dialog opens.
2. Type your user name and password.
User names and passwords are case-sensitive. The password shall be in combination of letter and numbers. There is a default user with the user name and password. The password should be changed immediately, and accounts created as needed.

myPROJEXIS
PROJECTION OF CONSTRUCTION DEMAND
(Work Done, GDP Contribution, Material Demand and Worker Demand)



A login form with a teal header and footer. The header contains the word "Login". The form has three input fields: "Username:", "Password:", and "Remember Password:". The "Remember Password:" field has a checkbox. A "Submit" button is located in the bottom right corner of the form.

3. Click **Submit** to login
As the software starts, the main window opens with the system dashboard.
4. Click **Project List**.
Working screen opens.



3 Creating a new announced project

New announced project overview

Workflow stages

The standard workflow includes these stages.

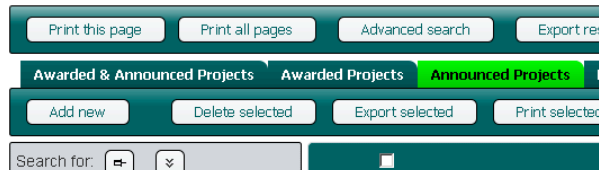
Stage	Description
1	Creating a new announced project
2	Modifying created announced project

Creating a new announced project

Procedure

To create a new announced project:

1. Click on the **Announced Projects** menu.
2. Click the **Add New** button on the application toolbar under Announced Projects menu.



3. Fill in the required field in the new window for new announced project.



MALAYSIAN CONSTRUCTION PROJECTION SYSTEM (myPROJEXIS)

A screenshot of the 'Project, Add new record' form. The form is divided into two main sections: 'Project Category' and 'Project Information'. The 'Project Category' section has a dropdown menu for 'Construction Product' with the text 'Please select' and a red asterisk. The 'Project Information' section contains several fields: 'Contract No. / Reference No.' (text input), 'Title' (text input), 'Location' (dropdown menu with 'Please select'), 'Confidence Level' (radio buttons for 'Private Announcement' and 'Government Announcement'), 'Sector' (radio buttons for 'Government', 'Private', and 'Public Corporation Non-Financial'), 'Contract Value' (dropdown menu with 'Contract Value' and a text input with '0'), 'Type of Contract' (dropdown menu with 'Please select'), 'Work Specialisation' (dropdown menu with 'Please select'), and 'Type of Work' (dropdown menu with 'New Project'). Red asterisks are placed next to the 'Construction Product', 'Confidence Level', 'Sector', 'Contract Value', and 'Type of Work' fields.

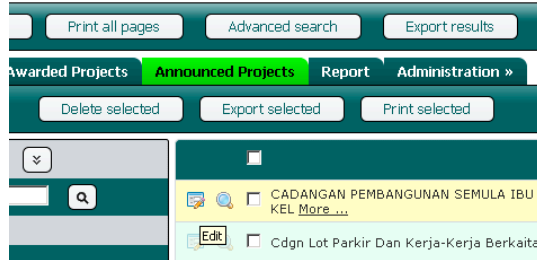
4. Click **Save**.
New announced project is recorded.

Modifying created announced project

Procedure

To modify the created announced project:

1. Click on the **Edit** icon in the list of announced projects.



2. Edit the required field.
3. Click **Save**.
New modified announced project is recorded.

4 Importing awarded projects

Awarded projects overview

Workflow stages

The standard workflow includes these stages.

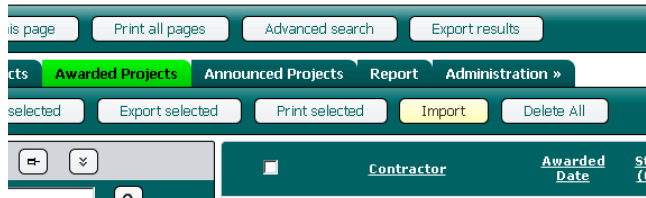
Stage	Description
1	Importing data
2	Syncing announced and awarded projects

Importing Data

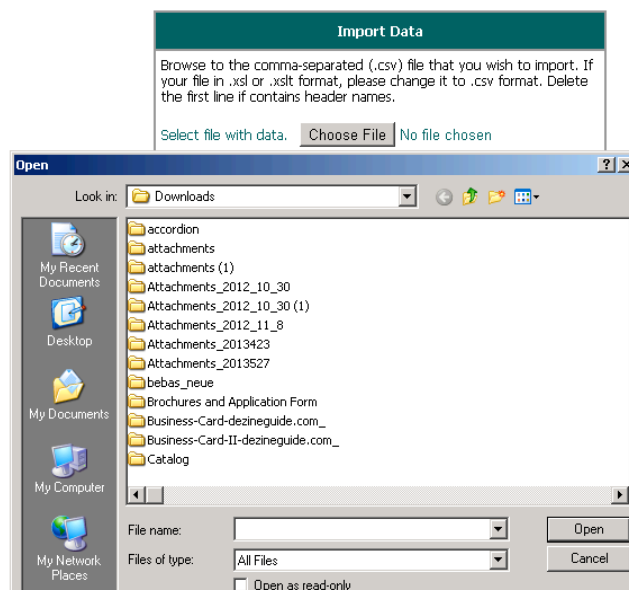
Procedure

To import awarded projects from SMB:

1. Export data from SMB into .xls format.
Convert the data from .xls to .csv format.
2. Click on the **Awarded Projects** menu.
3. Click the **Import** button on the application toolbar under Awarded Projects menu.
Import window opens.



4. Click **Choose File** button to locate the exported file in .csv format from SMB.
Select the file to be imported.



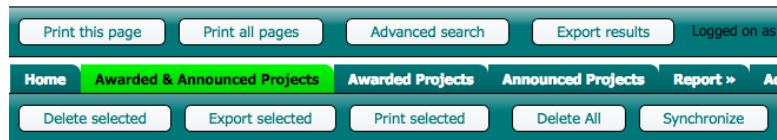
5. Click **Import**.
Imported data will be processed and notified upon completion.
6. Click **Back to list**.
List of awarded projects than has been imported will be displayed in the Awarded Projects menu.

Syncing announced and awarded projects

Procedure

To sync the awarded and announced projects:

1. Click on the **Awarded and Announced Projects** menu.
2. Click the **Synchronize** button on the application toolbar under Awarded and Announced Projects menu.



3. Click **Close**.
List of awarded and announced projects than has been synced will be displayed in the Awarded and Announced Projects menu.

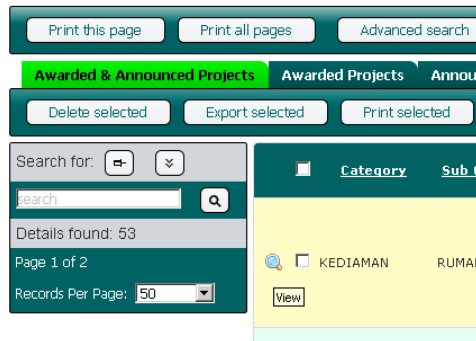
5 Viewing projection of demands

Viewing construction demand

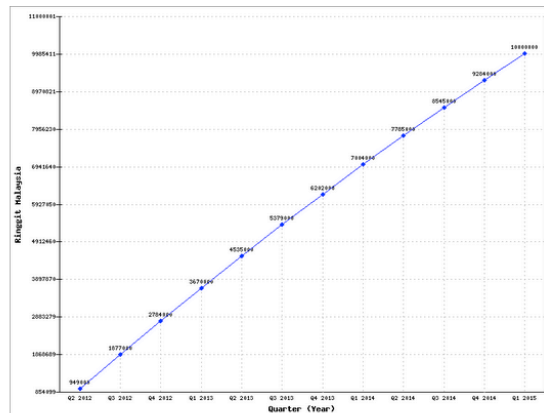
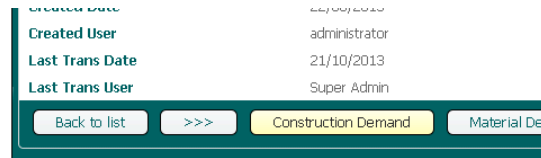
Procedure

To view projection of construction demand for project:

1. Click any of the three projects menu:
 - Awarded & Announced Projects
 - Awarded Projects
 - Announced Projects
2. Click **View** on the list of projects.
Project Information window opens.



3. Click the **Construction Demand** button.
Graphical chart and table of construction demand will be shown.



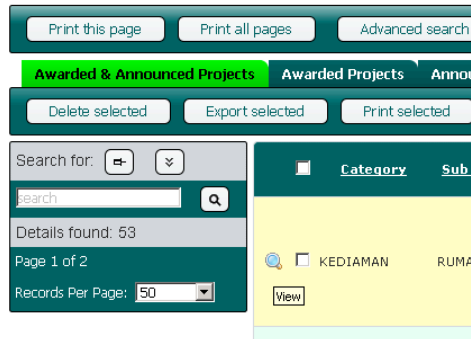
Quarter	Percentage (%)	Value (RM)	Cumulative Percentage (%)	Cumulative Value (RM)	Construction Demand (RM)
Q2 2012	9.49	RM 949,000.00	9.49	RM 949,000.00	RM 0.00
Q3 2012	9.28	RM 2,008,000.00	18.77	RM 1,877,000.00	RM 0.00
Q4 2012	9.07	RM 967,000.00	27.84	RM 2,786,000.00	RM 0.00
Q1 2013	8.84	RM 684,000.00	36.68	RM 3,470,000.00	RM 0.00
Q2 2013	8.43	RM 643,000.00	45.11	RM 4,113,000.00	RM 0.00
Q3 2013	8.44	RM 644,000.00	53.55	RM 4,757,000.00	RM 0.00
Q4 2013	8.23	RM 623,000.00	61.78	RM 5,380,000.00	RM 623,000.00
Q1 2014	8.02	RM 582,000.00	69.80	RM 5,962,000.00	RM 1,421,000.00
Q2 2014	7.80	RM 560,000.00	77.60	RM 6,522,000.00	RM 2,404,000.00
Q3 2014	7.48	RM 540,000.00	85.08	RM 7,062,000.00	RM 3,144,000.00
Q4 2014	7.39	RM 539,000.00	92.47	RM 7,601,000.00	RM 3,505,000.00
Q1 2015	7.14	RM 714,000.00	100.00	RM 8,315,000.00	RM 4,421,000.00

Viewing material demand

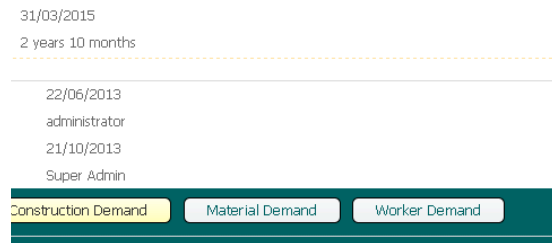
Procedure

To view projection of demand for construction materials for project:

1. Click any of the three projects menu:
 - Awarded & Announced Projects
 - Awarded Projects
 - Announced Projects
2. Click **View** on the list of projects.
Project Information window opens.



3. Click the **Material Demand** button.
Graphical chart and table of construction demand will be shown.

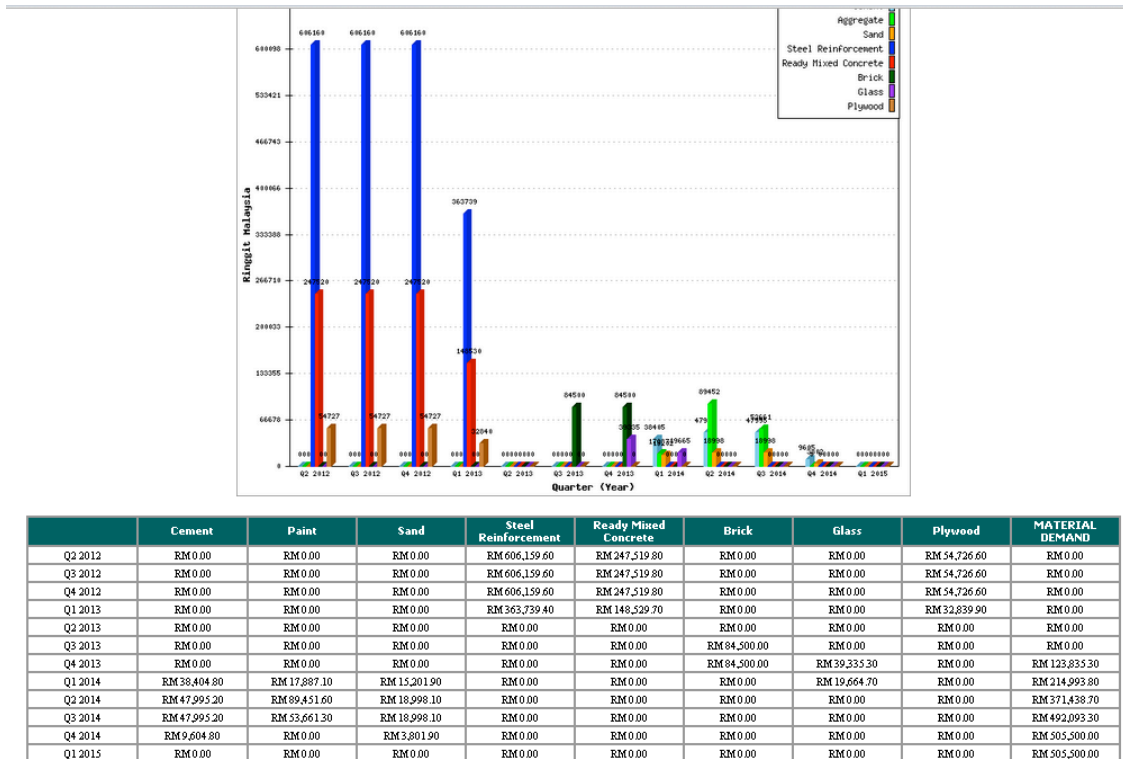


KERJA INFRASTRUKTUR DI ATAS LOT 5419, LOT 3200 DAN LOT 3743, MUKIM SELAMA, PERAK DARUL KIDZUAH
2/6/2012 TO 31/3/2015 (2 years 10 months).
Total Construction Demand (RM10,000,000.00)

No.	Project Material	Rate	Unit	Quantity	Total (RM)	Quarter Value
1.	Cement	18.00	per 50kg bag	8,000.00	144,000.00	+
2.	Paint	100.00	per 5 liter	1,610.00	161,000.00	+
3.	Sand	55.00	per m.tonne	1,036.36	57,000.00	+
4.	Steel Reinforcement	2300.00	per m.tonne	948.70	2,182,000.00	+
5.	Ready Mixed Concrete	240.00	per m3	3,712.50	891,000.00	+
6.	Brick	0.35	per pc	482,857.14	169,000.00	+
7.	Glass	50.00	per m2	1,180.00	59,000.00	+
8.	Plywood	45.00	per pc	4,377.78	197,000.00	+

Total Material Demand is RM3,860,000.00 (38.6 % of RM10,000,000.00)

- Click the **View Charts** button to display the total projected material demand for the project.



- Click the plus (+) button to view the quarterly demand. Quarterly percentage of occurrence for individual material will be shown together with the value (RM) and quantity (no.).

Quarter	Percentage (%)	Value (RM)	Quantity
Q2 2012	0.00	0.00	0.00
Q3 2012	0.00	0.00	0.00
Q4 2012	0.00	0.00	0.00
Q1 2013	0.00	0.00	0.00
Q2 2013	0.00	0.00	0.00
Q3 2013	0.00	0.00	0.00
Q4 2013	0.00	0.00	0.00
Q1 2014	26.67	38,404.80	2,133.60
Q2 2014	33.33	47,995.20	2,666.40
Q3 2014	33.33	47,995.20	2,666.40
Q4 2014	6.67	9,604.80	533.60
Q1 2015	0.00	0.00	0.00
Total	100.00	144,000.00	8,000.00

[Back](#)
[Update & Show Histogram](#)

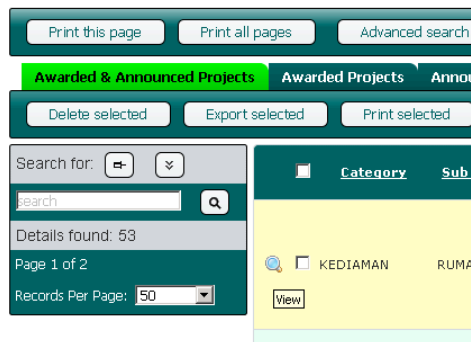
- Click **Update & Show Histogram** button to view the quarterly demand for selected construction materials in graphical chart and table.

Viewing worker demand

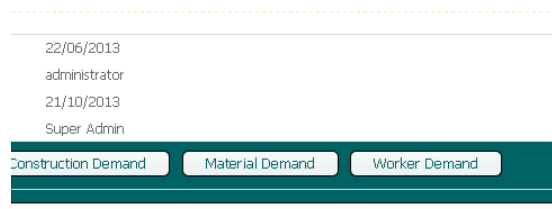
Procedure

To view projection of demand for construction workers for project:

1. Click any of the three projects menu:
 - Awarded & Announced Projects
 - Awarded Projects
 - Announced Projects
2. Click **View** on the list of projects.
Project Information window opens.



3. Click the **Worker Demand** button.
Graphical chart and table of construction demand will be shown.

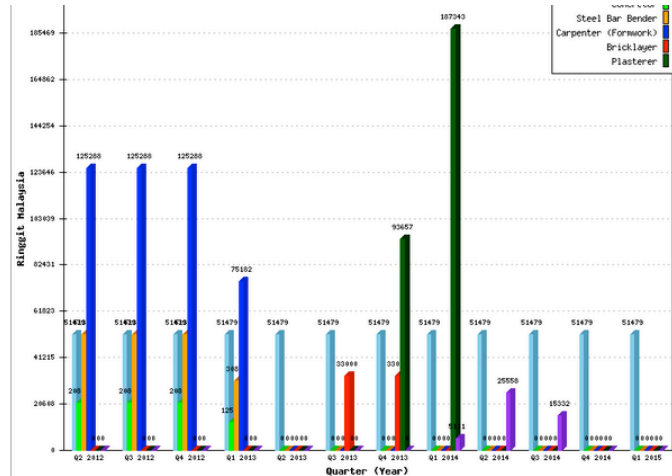


2/6/2012 TO 31/3/2015 (2 years 10 months).
Total Construction Demand (RM10,000,000.00)

No.	Worker Category	Rate (head per day)	Working Days	Quantity	Total	Quarter Value
1.	General Worker	50.00	780	16	RM618,00C	+
2.	Concretor	60.00	234	5	RM75,000.i	+
3.	Steel Bar Bender	60.00	234	13	RM185,00C	+
4.	Carpenter (Formwork)	60.00	234	32	RM451,00C	+
5.	Bricklayer	65.00	78	13	RM66,000.i	+
6.	Plasterer	65.00	78	55	RM281,00C	+
7.	Painter	65.00	117	6	RM46,000.i	+

Total Worker Demand is RM1,722,000.00 (17.22 % of RM10,000,000.00)

4. Click the **View Charts** button to display the total projected material demand for the project.



	General Worker	Concretor	Steel Bar Bender	Carpenter (Formwork)	Bricklayer	Plasterer	Painter	WORKER DEMAND
Q2 2012	RM 51,479.40	RM 20,835.00	RM 51,393.00	RM 125,287.80	RM 0.00	RM 0.00	RM 0.00	RM 0.00
Q3 2012	RM 51,479.40	RM 20,835.00	RM 51,393.00	RM 125,287.80	RM 0.00	RM 0.00	RM 0.00	RM 0.00
Q4 2012	RM 51,479.40	RM 20,835.00	RM 51,393.00	RM 125,287.80	RM 0.00	RM 0.00	RM 0.00	RM 0.00
Q1 2013	RM 51,479.40	RM 12,502.50	RM 30,839.50	RM 75,181.70	RM 0.00	RM 0.00	RM 0.00	RM 0.00
Q2 2013	RM 51,479.40	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 0.00
Q3 2013	RM 51,479.40	RM 0.00	RM 0.00	RM 0.00	RM 33,000.00	RM 0.00	RM 0.00	RM 0.00
Q4 2013	RM 51,479.40	RM 0.00	RM 0.00	RM 0.00	RM 33,000.00	RM 93,657.30	RM 0.00	RM 178,136.70
Q1 2014	RM 51,479.40	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 187,342.70	RM 5,110.60	RM 422,069.40
Q2 2014	RM 51,479.40	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 25,557.60	RM 499,106.40
Q3 2014	RM 51,479.40	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 15,331.80	RM 565,917.60
Q4 2014	RM 51,479.40	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 617,397.00
Q1 2015	RM 51,479.40	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 0.00	RM 668,876.40

- Click the plus (+) button to view the quarterly demand. Quarterly percentage of occurrence for individual material will be shown together with the value (RM) and quantity (no.).

Quarter	Percentage (%)	Value (RM)	Quantity
Q2 2012	27.78	125,287.80	9
Q3 2012	27.78	125,287.80	9
Q4 2012	27.78	125,287.80	9
Q1 2013	16.67	75,181.70	5
Q2 2013	0.00	0.00	0
Q3 2013	0.00	0.00	0
Q4 2013	0.00	0.00	0
Q1 2014	0.00	0.00	0
Q2 2014	0.00	0.00	0
Q3 2014	0.00	0.00	0
Q4 2014	0.00	0.00	0
Q1 2015	0.00	0.00	0
Total	100.01	451,045.10	32.00

[Back](#)
[Update & Show Histogram](#)

- Click **Update & Show Histogram** button to view the quarterly demand for selected construction materials in graphical chart and table.

6 Reports management

Viewing reports

Procedure

To view reports:

1. Click on **Report** menu.
Advance table report opens.
2. Organise the analysed data by selecting the desired category of reporting ie. frequency, category, sub-category, sector, location, etc.

Advanced table report	
Frequency	Yearly
Category	KEDIAMAN
Sub Category	RUMAH
Construction Product	KUARTERS
Sector	All
Confidence Level	Government Private All
Location	All
Found : 3 Results	

3. View the reports based on data organizing.
Total projection of construction demand for selected projects will be displayed in table report including the projected construction output and GDP for each year.

No.	Project	Contract Value	Start	End	Status	Sector	Location	Construction Product	2012			SubTotal (RM)	2013				2014				2015	Total By Project (RM)
									Q2	Q3	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Total (RM)									14,280,308.43			14,280,308.43	6,413,142.86				4,003,285.71				716,000.00	11,132,428.57
Construction Output (RM / Year)									5,669,282.45			5,669,282.45	2,546,017.71				1,589,304.43				284,252.00	4,419,574.14
GDP (RM / Year)									250,692,252.07			250,692,252.07	112,456,555.03				70,112,425.01				12,350,904.52	194,919,784.56
1.	CADANGAN PEMBANGUNAN SEMULA TERU PEJABAT POLIS DAERAH SELAMA, 1 UNIT KUARTERS KELAS C, 4 UNIT KUARTERS KELAS D, 6 UNIT KUARTERS KELAS E, 140 UNIT KUARTERS KELAS F, KEMUDAHAN KEMUDAHAN LAIN DAN KEBERKESIHAN INFRASTRUKTUR DI ATAS LOT 5449, LOT 1000 DAN LOT 3743, MUKIM SELAMA, PERAK DARUL RIDZUAN	10,000,000.00	02-06-2012	31-03-2015	Government Announcement	Government	PERAK	KUARTERS	2,784,000.00		2,784,000.00	3,410,000.00			3,000,000.00				716,000.00	7,216,000.00		
2.	Cadangan Lot 611 Dan Kerja-Kerja Benih dan Dinyanyai D. Kms Pulau Watan	5,000,000.00	01-09-2012	31-03-2014	Government Announcement	Government	JOHOR	KUARTERS	1,083,571.43		1,083,571.43	2,995,142.86	921,285.71							3,916,428.57		
3.	Penyusunan Baku Kerja By Cdgk Mem 6 na 8 Menunggu Penetapan Tdk Pejabat Polis Daerah (PTD) Melaka Tengah Di Atas Lt 1065 8 Seterusnya Lt 1065 Melaka Kubang	10,412,737.00	24-04-2012	25-12-2012	Awarded	SWASTA	MELAKA	KUARTERS	10,412,737.00		10,412,737.00									0.00		

Note:

The above steps also apply to viewing material demand reports and worker demand reports with the inclusion of material and worker's categories respectively.

Exporting reports

The data from table report can be exported in webpage format, ie. complete interface or HTML. Search for save as page in the web browser or simply press (Ctrl + S).

To export results:

1. Search for **Save as Page** function in the web browser or simply press **(Ctrl + S)**.
 2. The Save As dialog opens.
 3. Select a destination to save the file.
 4. Click Save.
-

Printing

To print the table reports:

1. Search for **Print** function in the web browser or simply press **(Ctrl + P)**.
2. If necessary, edit the printer and page setup in the Print.
3. Click **Print**.

Viewing dashboard

Procedure

To view dashboard:

1. Click on **Home** button at the top menu. Dashboard opens.
2. Choose the followings in sequence:
 - 1) Select the desired location (eg. Malaysia)
 - 2) Select the category of demand (eg. Construction Demand)
 - 3) Select the work specialisation (building / civil)
 - 4) Select the category of material / worker (eg. Cement)
3. View the summary of expected demands.



Estimated Total Projects Work Done for 2011 - 2013 in Malaysia

Year	Total Projects (as at 17-July-2013) ¹		Work Done (as at 30-December-2013) ²						Total Work Done (RM)
	Number	Value(RM)	2011		2012		2013		
			Number	Value(RM)	Number	Value(RM)	Number	Value(RM)	
2011	71	578,236,252.27	71	449,412,104.59	34	114,475,959.30	6	14,348,188.38	578,236,252.27
2012	71	630,943,559.72	0	0.00	71	398,095,682.29	33	196,689,341.40	594,785,023.69
2013	68	578,860,881.44	0	0.00	0	0.00	68	344,396,094.85	344,396,094.85
Grand Total	210	1,788,040,693.43	71	449,412,104.59	105	512,571,641.59	107	555,433,624.63	1,517,417,370.81

Printing

To print the dashboard reports:

1. Click **Print** button or simply press **(Ctrl + P)**.
2. If necessary, edit the printer and page setup in the Print.
3. Click **Print**.

Uploading for Viewer

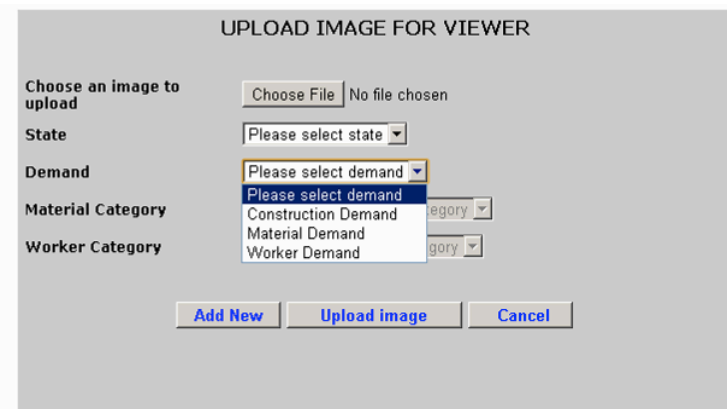
The dashboard can be uploaded for 'Viewer' user only. The viewer can only login to the system and view the demands according to the desired category in unedited format. The dashboard page shall be converted into image format (.jpg) by the Super Admin.

To upload:

1. Press **PrintScreen** button on the keyboard.
2. Paste into Paint, Word, Powerpoint or any relevant application.
3. Save as picture / image in **.jpg format**.
4. Rename the file according to the category in the dashboard to avoid confusion during uploading.
5. Click **Upload Image for Viewer** in the Dashboard.



6. Click **Add New** to search for the file in .jpg format.
7. Select the relevant category.



8. Click **Upload Image** button to upload the file.

7 Data management

Working project database

About project database

Project database consists of three:

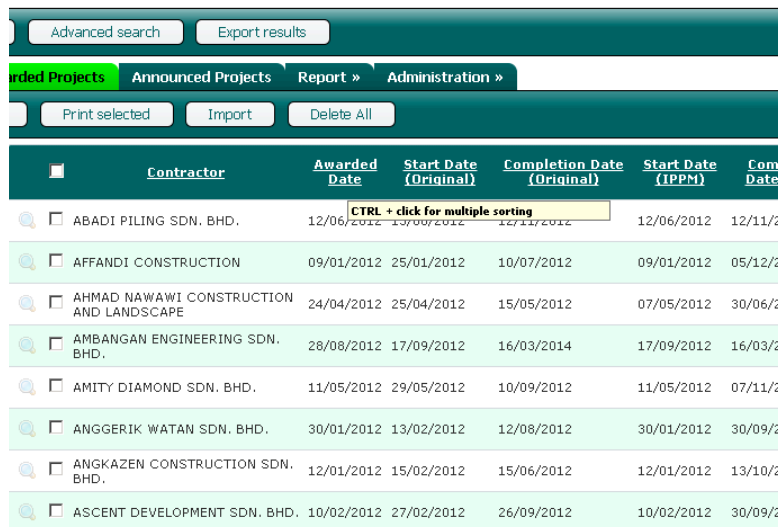
- Awarded & Announced Projects
- Awarded Projects
- Announced Projects

Those databases list the created and/or imported projects. The projects are the main feature in producing the projection of construction demand, material demand and worker demand.

Sorting project

To sort project data:

1. Click the column header.
2. Click the arrow in the header to change the order of the data.

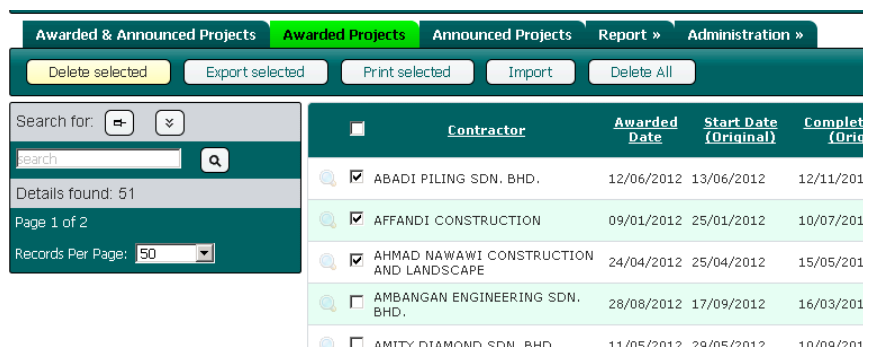


	Contractor	Awarded Date	Start Date (Original)	Completion Date (Original)	Start Date (IPPM)	Completion Date (IPPM)
<input type="checkbox"/>	ABADI PILING SDN. BHD.	12/06/2012	13/06/2012	12/11/2012	12/06/2012	12/11/2012
<input type="checkbox"/>	AFFANDI CONSTRUCTION	09/01/2012	25/01/2012	10/07/2012	09/01/2012	05/12/2012
<input type="checkbox"/>	AHMAD NAWAWI CONSTRUCTION AND LANDSCAPE	24/04/2012	25/04/2012	15/05/2012	07/05/2012	30/06/2012
<input type="checkbox"/>	AMBANGAN ENGINEERING SDN. BHD.	28/08/2012	17/09/2012	16/03/2014	17/09/2012	16/03/2014
<input type="checkbox"/>	AMITY DIAMOND SDN. BHD.	11/05/2012	29/05/2012	10/09/2012	11/05/2012	07/11/2012
<input type="checkbox"/>	ANGGERIK WATAN SDN. BHD.	30/01/2012	13/02/2012	12/08/2012	30/01/2012	30/09/2012
<input type="checkbox"/>	ANGKAZEN CONSTRUCTION SDN. BHD.	12/01/2012	15/02/2012	15/06/2012	12/01/2012	13/10/2012
<input type="checkbox"/>	ASCENT DEVELOPMENT SDN. BHD.	10/02/2012	27/02/2012	26/09/2012	10/02/2012	30/09/2012

Deleting project

To delete project:

1. Select the projects that are to be deleted in the tickbox.
2. Click the **Delete selected** button to delete the selected projects. You may click the **Delete All** button to easily delete all projects.



	Contractor	Awarded Date	Start Date (Original)	Completion Date (Original)
<input checked="" type="checkbox"/>	ABADI PILING SDN. BHD.	12/06/2012	13/06/2012	12/11/2012
<input checked="" type="checkbox"/>	AFFANDI CONSTRUCTION	09/01/2012	25/01/2012	10/07/2012
<input checked="" type="checkbox"/>	AHMAD NAWAWI CONSTRUCTION AND LANDSCAPE	24/04/2012	25/04/2012	15/05/2012
<input type="checkbox"/>	AMBANGAN ENGINEERING SDN. BHD.	28/08/2012	17/09/2012	16/03/2014
<input type="checkbox"/>	AMITY DIAMOND SDN. BHD.	11/05/2012	29/05/2012	10/09/2012

Filtering project

To filter project:

1. Type in the desired project data in the search box at the left screen.



2. Press Enter.

Using project category library

About project category

Records category of projects established by CIDB. It consists of ten categories, 24 sub-categories and 148 construction products.

Update library

To update library:

1. Click the category / sub-category / construction product sub-menu.
2. Click **Edit** or **Inline Edit** button to add description and code.

A screenshot of a web application form titled 'Category, Edit record [Category Id: 12]'. The form has a teal header and a white body. It contains three main input fields: 'Category' with the value 'KEDIAMAN', 'Code' with a red asterisk indicating it is a required field, and 'Description' with a large text area. At the bottom of the form, there is a legend indicating that a red asterisk (*) means 'Required field'. Below the legend are four buttons: 'Save', 'Reset', 'Back to list', and '>>>'. The 'Save' button is highlighted.

Using state rate library

About state rate

Store the rates for major construction materials and workers according to states including federal territories of Kuala Lumpur and Labuan. The rates can be updated from time to time as they will reflect the projection of demand for construction materials and workers.

Update library

To update library:

1. Click the **State Rate** sub-menu.

2. Select either **Material Rate** or **Worker Rate** of any state.
Rate window opens.

warded Projects	Announced Projects	Report »	Administration » State Rate	
State			Material Rate	Worker Rate
JOHOR			<input data-bbox="1192 323 1224 344" type="button" value="+"/>	<input data-bbox="1354 323 1386 344" type="button" value="+"/>
KEDAH			<input data-bbox="1192 350 1224 371" type="button" value="+"/>	<input data-bbox="1354 350 1386 371" type="button" value="+"/>
KELANTAN			<input data-bbox="1192 378 1224 399" type="button" value="+"/>	<input data-bbox="1354 378 1386 399" type="button" value="+"/>
WILAYAH PERSEKUTUAN			<input data-bbox="1192 405 1224 426" type="button" value="+"/>	<input data-bbox="1354 405 1386 426" type="button" value="+"/>
MELAKA			<input data-bbox="1192 432 1224 453" type="button" value="+"/>	<input data-bbox="1354 432 1386 453" type="button" value="+"/>
NEGERI SEMBILAN			<input data-bbox="1192 459 1224 480" type="button" value="+"/>	<input data-bbox="1354 459 1386 480" type="button" value="+"/>
PAHANG			<input data-bbox="1192 487 1224 508" type="button" value="+"/>	<input data-bbox="1354 487 1386 508" type="button" value="+"/>
PERAK			<input data-bbox="1192 514 1224 535" type="button" value="+"/>	<input data-bbox="1354 514 1386 535" type="button" value="+"/>
PERLIS			<input data-bbox="1192 541 1224 562" type="button" value="+"/>	<input data-bbox="1354 541 1386 562" type="button" value="+"/>
PULAU PINANG			<input data-bbox="1192 569 1224 590" type="button" value="+"/>	<input data-bbox="1354 569 1386 590" type="button" value="+"/>
SABAH			<input data-bbox="1192 596 1224 617" type="button" value="+"/>	<input data-bbox="1354 596 1386 617" type="button" value="+"/>
SARAWAK			<input data-bbox="1192 623 1224 644" type="button" value="+"/>	<input data-bbox="1354 623 1386 644" type="button" value="+"/>
SELANGOR			<input data-bbox="1192 651 1224 672" type="button" value="+"/>	<input data-bbox="1354 651 1386 672" type="button" value="+"/>
LABUAN			<input data-bbox="1192 678 1224 697" type="button" value="+"/>	<input data-bbox="1354 678 1386 697" type="button" value="+"/>
TERENGGANU			<input data-bbox="1192 697 1224 697" type="button" value="+"/>	<input data-bbox="1354 697 1386 697" type="button" value="+"/>

3. Update the material / worker rates. Click **Save Data** button.

State : [JOHOR]

No.	Material Category	Unit	Rate (RM)
1.	Cement	per 50kg bag	<input type="text" value="18.00"/> *
2.	Paint	per 5 liter	<input type="text" value="100.00"/> *
3.	Sand	per m.tonne	<input type="text" value="55.00"/> *
4.	Steel Reinforcement	per m.tonne	<input type="text" value="2300.00"/> *
5.	Ready Mixed Concrete	per m3	<input type="text" value="240.00"/> *
6.	Brick	per pc	<input type="text" value="0.35"/> *
7.	Glass	per m2	<input type="text" value="50.00"/> *
8.	Plywood	per pc	<input type="text" value="45.00"/> *

* Required Field

4. Click **Close Window** button.

Using fluctuation of price function

About fluctuation of price Considers the variation of prices (VOP) for construction projects in the near future due to external factors such as inflation, interest rates etc. VOP is one of the important variables in determining the level of accuracy of the projection of demand.

Edit fluctuation of price

To edit:

1. Click the **External Factor** sub-menu.
2. Fill in the estimated fluctuation of prices (in per centum).

Fluctuation of Price

Please enter new value for fluctuation of price.
[By default : 0%]

0.00

Back
Update

3. Click **Update** button. Click **Back** button.

Using Constant Value for Construction S-Curve

About constant value For construction S-curve

Constant values in quarterly and monthly basis for each construction product that are becoming the basis for calculating the projection of construction demand. These constant values are set as the primary option for projection apart from statistical formula.

Update constant value

To update:

1. Click the **Constant value for Construction S-curve** sub-menu.
2. Choose the desired construction product and period for specific year or specific month.
3. Click **Search**.

Constant(Percentage) Value

Construction Product :	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px;">----Please select construction product----</div> <div style="border-bottom: 1px solid #ccc; height: 15px;"></div> </div>
Period :	<input checked="" type="radio"/> Year <input type="radio"/> Month
	<input type="radio"/> 1 Year <input checked="" type="radio"/> 2 Years <input type="radio"/> 3 Years <input type="radio"/> 4 Years <input type="radio"/> 5 Years
Reset Search	

4. Update the constant values and click **Update Record**.

Construction product : ASRAMA
Period : 2 Year

1 Year		2 Year	
Quarter	Value	Quarter	Value
Q1	<div style="border: 1px solid #ccc; padding: 2px;">16.00</div>	Q1	<div style="border: 1px solid #ccc; padding: 2px;">14.00</div>
Q2	<div style="border: 1px solid #ccc; padding: 2px;">15.00</div>	Q2	<div style="border: 1px solid #ccc; padding: 2px;">9.00</div>
Q3	<div style="border: 1px solid #ccc; padding: 2px;">16.00</div>	Q3	<div style="border: 1px solid #ccc; padding: 2px;">6.00</div>
Q4	<div style="border: 1px solid #ccc; padding: 2px;">16.00</div>	Q4	<div style="border: 1px solid #ccc; padding: 2px;">7.00</div>

Update Record

Using construction weightage

About construction weightage

Construction weightage is being updated on a regular basis, depending on the studies undertaken by CIDB to gauge the latest composition of the construction cost components such as material, labour and plant.

Update weightage

To update:

1. Click the **Construction Weightage** sub-menu.

2. Choose specific year and click **Search**.

Construction Weightage

Please select year	
Year :	<input type="text" value="Please select"/> <input type="button" value="Search"/>

3. Update the construction weightage in the column 'Average' and click **Save Data**.

Construction Weightage

Year :	<input type="text" value="2012"/> <input type="button" value="Search"/>																						
	<table><thead><tr><th>Item</th><th>Average</th><th>Percentage</th></tr></thead><tbody><tr><td>Material</td><td><input type="text" value="66.67"/></td><td><input type="text" value="62.32"/></td></tr><tr><td>Labour</td><td><input type="text" value="30.85"/></td><td><input type="text" value="31.17"/></td></tr><tr><td>Plant</td><td><input type="text" value="2.48"/></td><td><input type="text" value="6.50"/></td></tr><tr><td>Total</td><td><input type="text" value="100"/></td><td></td></tr><tr><td>Overhead and Margin</td><td><input type="text" value="15.00"/></td><td><input type="text" value="0.00"/></td></tr><tr><td>Grand Total</td><td><input type="text" value="115"/></td><td><input type="text" value="100"/></td></tr></tbody></table>	Item	Average	Percentage	Material	<input type="text" value="66.67"/>	<input type="text" value="62.32"/>	Labour	<input type="text" value="30.85"/>	<input type="text" value="31.17"/>	Plant	<input type="text" value="2.48"/>	<input type="text" value="6.50"/>	Total	<input type="text" value="100"/>		Overhead and Margin	<input type="text" value="15.00"/>	<input type="text" value="0.00"/>	Grand Total	<input type="text" value="115"/>	<input type="text" value="100"/>	
Item	Average	Percentage																					
Material	<input type="text" value="66.67"/>	<input type="text" value="62.32"/>																					
Labour	<input type="text" value="30.85"/>	<input type="text" value="31.17"/>																					
Plant	<input type="text" value="2.48"/>	<input type="text" value="6.50"/>																					
Total	<input type="text" value="100"/>																						
Overhead and Margin	<input type="text" value="15.00"/>	<input type="text" value="0.00"/>																					
Grand Total	<input type="text" value="115"/>	<input type="text" value="100"/>																					
<input type="button" value="Save Data"/>																							

Using the labour multiplier

About labour multiplier

Labour multiplier is being updated on a regular basis, depending on the studies undertaken by CIDB to gauge the degree of duplication of construction workers.

Record labour multiplier

To record:

1. Click the **Labour Multiplier** sub-menu.
2. Choose specific Sub-Category and Construction Product.

Labour Multiplier

Sub-Category :	LOW RISE
Construction Product :	<input checked="" type="radio"/> KUARTERS <input type="radio"/> RUMAH TERES <input type="radio"/> RUMAH BERKEMBAR <input type="radio"/> BANGLO <input type="radio"/> RUMAH LAIN

- Record labour multiplier (maximum of 1.0) and click **Add Row**.

Labour Multiplier

Successfully add new record.					
Sub-Category :	LOW RISE				
Construction Product :	<input checked="" type="radio"/> KUARTERS <input type="radio"/> RUMAH TERES <input type="radio"/> RUMAH BERKEMBAR <input type="radio"/> BANGLO <input type="radio"/> RUMAH LAIN				
General Worker	Multiplier	General Worker	Add Row		
No.	Construction Product	Calculate Worker	Multiplier	Base Worker	Delete
1.	KUARTERS	Concretor	0.50	Steel Bar Bender	

Using the user management library

About user management

Only a user with administrator rights can modify the users list and the rights of users. If the administrator name and password are successfully entered in the Login dialog, the user management function is available.

The functions are located under the **Administration** menu with the **User** sub-menu. Note that a user with administrator rights can view and edit all experiments.

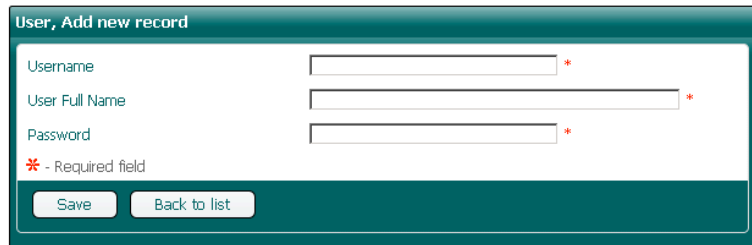
Adding a new user

To add a new user:

- Click the **Add New** button.

Awarded & Announced Projects Awarded Projects Announced Projects Report » Administration » User																							
Add new Delete selected Export selected Print selected																							
Search for: <input type="text"/>		<table border="1"> <thead> <tr> <th></th> <th>Username</th> <th>User Full Name</th> <th>Created Date</th> </tr> </thead> <tbody> <tr> <td></td> <td>admin01</td> <td>Super Admin</td> <td>00/00/0000 0:00:00</td> </tr> <tr> <td></td> <td>admin</td> <td>admin</td> <td>00/00/0000 0:00:00</td> </tr> <tr> <td></td> <td>viewer</td> <td>viewer</td> <td>24/07/2013 15:40:35</td> </tr> <tr> <td></td> <td>staff</td> <td>staff</td> <td>06/09/2013 11:23:12</td> </tr> </tbody> </table>			Username	User Full Name	Created Date		admin01	Super Admin	00/00/0000 0:00:00		admin	admin	00/00/0000 0:00:00		viewer	viewer	24/07/2013 15:40:35		staff	staff	06/09/2013 11:23:12
	Username	User Full Name	Created Date																				
	admin01	Super Admin	00/00/0000 0:00:00																				
	admin	admin	00/00/0000 0:00:00																				
	viewer	viewer	24/07/2013 15:40:35																				
	staff	staff	06/09/2013 11:23:12																				
Details found: 4 Page 1 of 1 Records Per Page: 50																							

2. The New User dialog opens. Enter details into the fields.



A dialog box titled "User, Add new record" with a teal header. It contains three input fields: "Username", "User Full Name", and "Password". Each field has a red asterisk to its right, indicating it is a required field. Below the fields is a legend: "* - Required field". At the bottom are two buttons: "Save" and "Back to list".

3. Click **Save** and **Back to list** button.

Modifying a user

To modify a user:

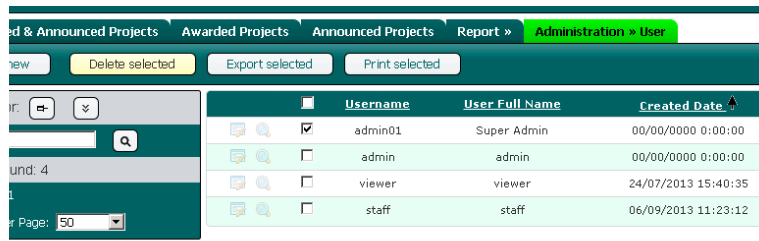
1. Click **Edit** or **Inline Edit** icon to edit a user detail in field.
2. Click **Save** button.

Deleting a user

Note that you cannot delete your own user account and a minimum of one administrator account is required by the software.

To delete a user:

1. Select a user from the user table.
2. Click the **Delete Selected** button.
The Confirm user deletion dialog opens.



A screenshot of the user management interface. The top navigation bar includes tabs for "Awarded & Announced Projects", "Awarded Projects", "Announced Projects", "Report »", and "Administration » User" (which is highlighted in green). Below the navigation bar are buttons: "new", "Delete selected", "Export selected", and "Print selected". On the left is a search bar with a magnifying glass icon and a dropdown menu showing "Found: 4". The main area is a table with the following columns: "Username", "User Full Name", and "Created Date". The table contains four rows of user data.

	Username	User Full Name	Created Date
<input checked="" type="checkbox"/>	admin01	Super Admin	00/00/0000 0:00:00
<input type="checkbox"/>	admin	admin	00/00/0000 0:00:00
<input type="checkbox"/>	viewer	viewer	24/07/2013 15:40:35
<input type="checkbox"/>	staff	staff	06/09/2013 11:23:12

3. Click **OK**.

8 Reference Information

Using settings functions

Logging out

To log out from myPROJEXIS:

1. Click the **Log Out** top menu button.



Changing password

To change password:

1. Click the **Change password** top menu button. The change password dialogue opens.
2. Type in your old and new password.
3. Click **Submit** button.

Resetting a forgotten Password

If you forget your password, an administrator can reset your password.

To reset forgotten password:

1. Log in as an administrator.
2. Click the **User** sub-menu.
3. Click **Edit** icon to reset the password.
4. Click **Reset** button. Fill in the new password.
5. Click **Save** button.

Changing user preferences

To change user preferences:

1. Log in as an administrator.
2. Click the **Admin Area** top menu button.
3. Select the user preferences based on identified user.

Logged on as **Super Admin**

Log out

Exit Admin Area

Change password

Usergroup:

Add group Del group Rename

<Admin>

<Default>

<Guest>

Admin

Staff - Data Entry

SuperAdmin

Viewer

Save		Reset						
Tables	Add	Edit	Delete	List/View	Print/Export	Import	Admin mode (access to all records)	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Awarded Projects (awarded)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Category (category)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> All Projects (combined)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Construction Product (construction_product)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Consultant (consultant)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Contractor (contractor)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Material (material)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Owner (owner)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Announced Projects (project)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Project Material (project_material)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Project Worker (project_worker)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Quarter Material (quarter_material)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Quarter Worker (quarter_worker)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> State Rate (state)				<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	

4. Click **Save** button.

9 Troubleshooting

Troubleshooting

User cannot login

Possible causes	Recommended solutions
User name is incorrect	Check the caps lock key. Re-type your user name.
Forgot user name	Contact your software administrator.
Password is incorrect	Check the caps lock key. Re-type your password.
Forgot password	Your software administrator can reset your password.

User cannot perform certain functions

Possible causes	Recommended solutions
Level of user preference	Contact your software administrator to assign the correct user preference based on user requirements subject to level of authority.

Import error notifications

Message	Recommended solutions
Date entered is not reasonable	Check the original data in SMB. Update and export again from SMB.
Construction product contains NULL value	Check the original data in SMB. Update and export again from SMB.
Your file is in .xml or .xls format	Change to .csv format
Couldn't import your file.	Please make sure .csv file header order is same as below :- <ol style="list-style-type: none">1. Nama Kontraktor2. NoPendaftaran3. Gred4. TajukKontrak5. Negeri6. NoRujukan7. TarikhAnugerah8. TarikhMula Asal9. TarikhSiap Asal10. Kos Kont Sebenar11. KategProjek12. SubkategProjek

	13. Sektor 14. Jenis Kerja 15. NamaKlien 16. JenisPengkhususan 17. Produk 18. TarikhInput
--	--

Issues during importing awarded projects

Possible issues	Recommended solutions
Importing takes longer time	Break the data into batches. Maximum of 1,000 projects at one import time.

Syncing awarded and announced projects

Possible issue	Recommended solution
Similar projects are identified	Update the announced projects, ie Delete if the awarded project is similar in full OR Revise the contract value if partial scope is awarded.

Issues viewing material / worker demand

Message / Issues	Description
There is no projection of demand for construction materials / workers	Not within the eight sub-categories of project.
Qty of materials / workers is equal to zero	Check and update the state rate of the identified construction materials / workers.
Total demand (RM) is not similar to total value in quarterly demand	Percentage of quarterly constant is not equal to 100%.

**Issues viewing the image
after uploading for viewer**

Message / Issues	Description
Image is not displayed	Resize / compress the picture to smaller size.
Page of dashboard is too many for PrintScreen	Paste the pages multiple times in the Paint or Word application. Group the paste images. Save the images.

**Calculation error
message**

Message	Description
NaN	Acronym for not a number. Can be the result of zero divided by zero or no calculation done.
negative infinity	Negative number divided by zero.
positive infinity	Positive number divided by zero.
