



TRAINING MANUAL

INDUSTRY



Curriculum Design
and Development
Unit 1: Introduction to
Curriculum Design

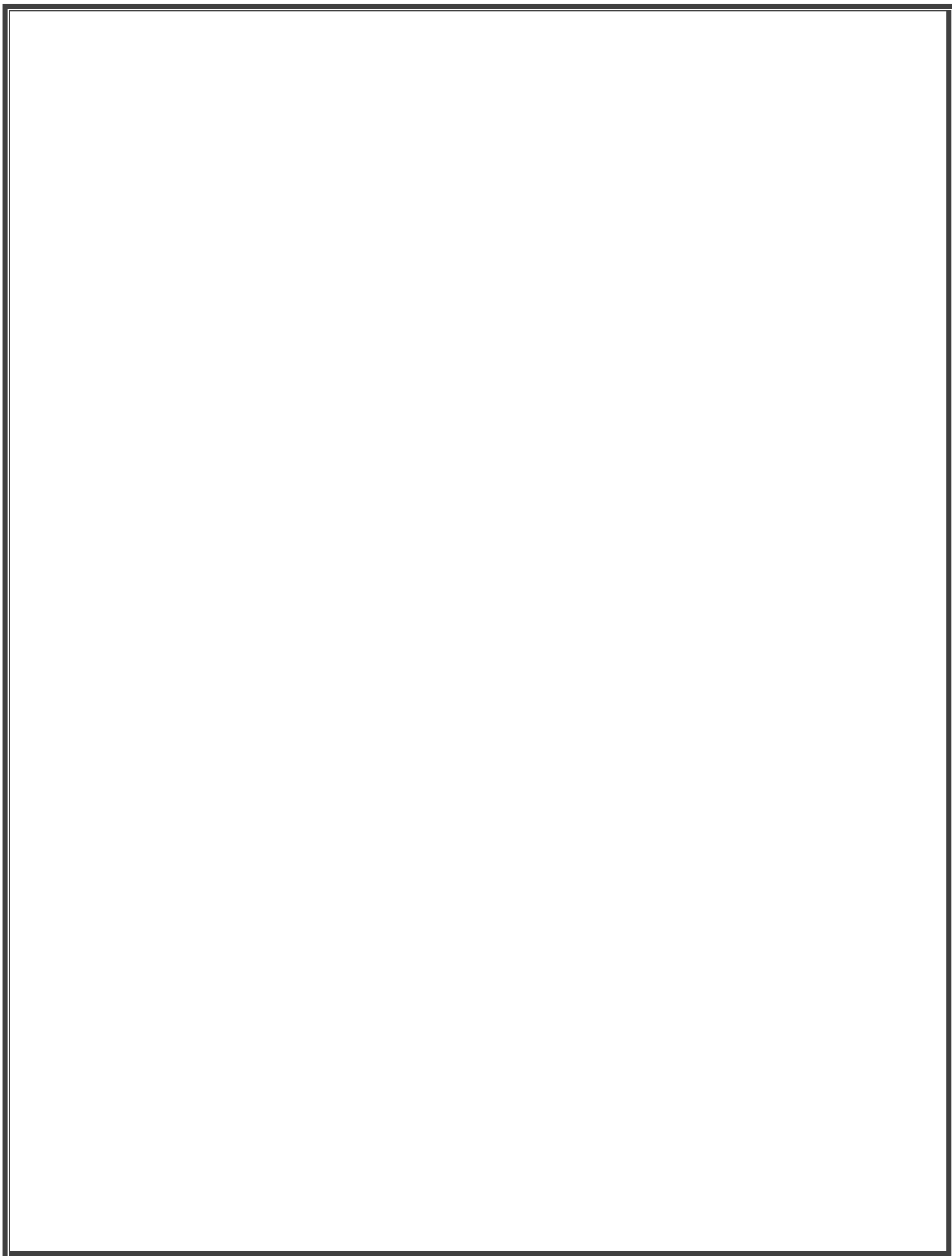


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ABBREVIATION


ABBREVIATION	DEFINITION
iREMOTE	Integrated Remote Monitoring Enforcement
DOE	Department of Environment Malaysia
PEMS	Predictive Emission Monitoring System
CEMS	Continuous Emission Monitoring System

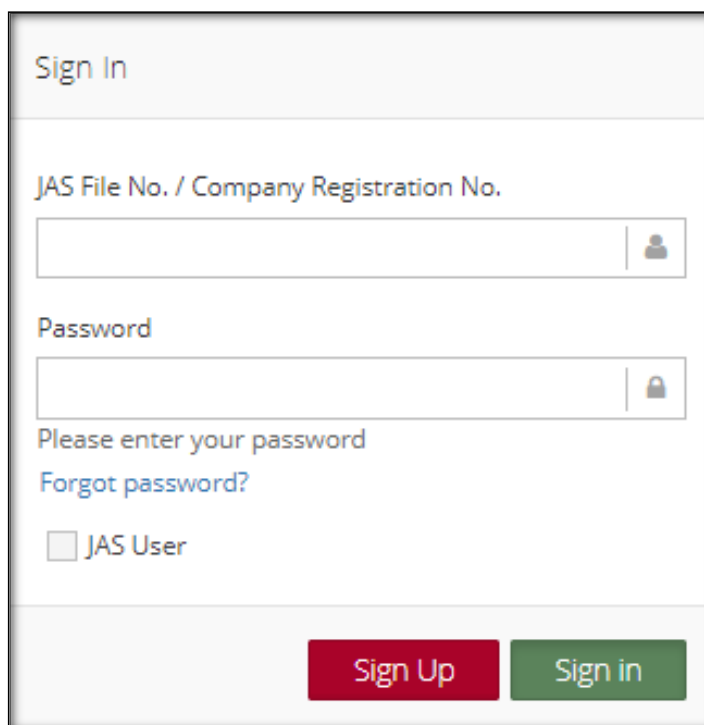
1. INTRODUCTION

Integrated Remote Monitoring Enforcement (iREMOTE) System developed to help Department of Environment Malaysia (DOE) to monitor gas emissions from various industrial premises.

2. SIGN IN

A) Sign in as Industry:

- i. Insert JAS File No. and password.
- ii. Click button .




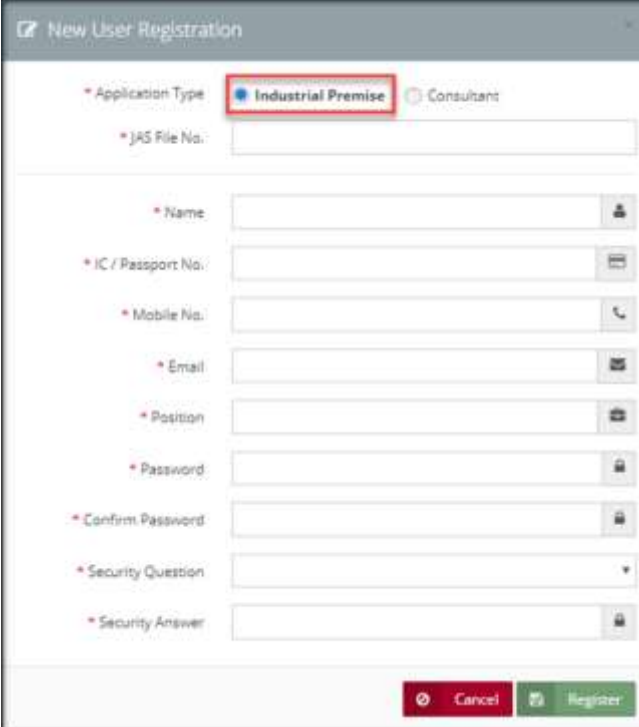
The image shows a 'Sign In' form with a light gray header. Below the header, there is a label 'JAS File No. / Company Registration No.' followed by a text input field with a user icon on the right. Below this is a 'Password' label followed by a password input field with a lock icon on the right. Under the password field, there is a text prompt 'Please enter your password' and a blue link 'Forgot password?'. Below the link is a checkbox labeled 'JAS User'. At the bottom right of the form, there are two buttons: a red 'Sign Up' button and a green 'Sign in' button.

Figure 2.1: Sign In

3. SIGN UP

A) Sign Up as industry:

- i. If first time login please Sign Up first.
- ii. Complete all mandatory (*) fields present in the form.
- iii. Click button .
- iv. New User will get email to activate the registration in iREMOTE system by clicking link given.



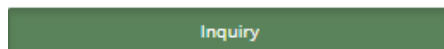
The image shows a 'New User Registration' form. At the top, there is a title bar with a checkmark icon and the text 'New User Registration'. Below this, there are two radio buttons for 'Application Type': 'Industrial Premise' (which is selected and highlighted with a red box) and 'Consultant'. Below the radio buttons is a text field for 'JAS File No.'. The form then contains several text fields, each with a red asterisk indicating it is mandatory: 'Name', 'IC / Passport No.', 'Mobile No.', 'Email', 'Position', 'Password', 'Confirm Password', 'Security Question', and 'Security Answer'. Each text field has a small icon to its right: a person icon for Name, an ID card icon for IC / Passport No., a phone icon for Mobile No., an envelope icon for Email, a briefcase icon for Position, a lock icon for Password, a lock icon for Confirm Password, a dropdown arrow for Security Question, and a lock icon for Security Answer. At the bottom right of the form, there are two buttons: a red 'Cancel' button and a green 'Register' button.

Figure 3.1: Sign Up

4. PUBLIC INQUIRY

A) Submit public inquiry form:

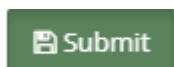
- i. Click button



to post any inquiry.

- ii. Complete all mandatory (*) fields present in the form.

- iii. Click button



Senarai meja bantuan CEMS negeri will be display list of Helpdesk Officer each state for CEMS.

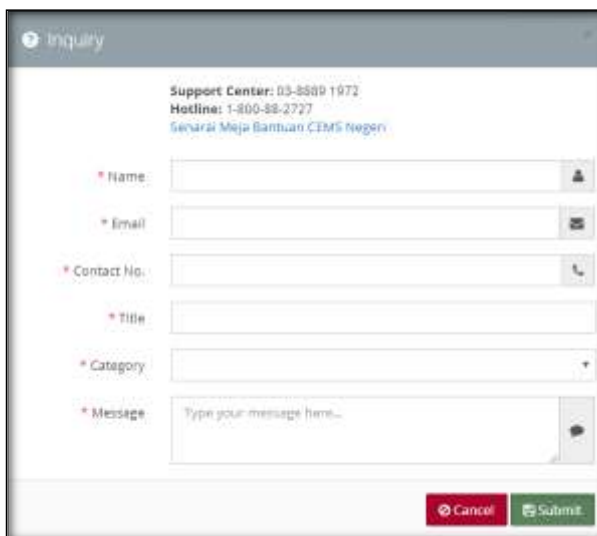
A screenshot of a web form titled "Inquiry". At the top, it displays contact information: "Support Center: 03-8889 1972", "Hotline: 1-800-88-2727", and "Senarai Meja Bantuan CEMS Negeri". The form contains several input fields, each with a red asterisk indicating it is mandatory: "Name", "Email", "Contact No.", "Title", "Category", and "Message". Each field has a corresponding icon (person, envelope, phone, etc.) to its right. The "Message" field is a larger text area with the placeholder text "Type your message here...". At the bottom right of the form, there are two buttons: a red "Cancel" button and a green "Submit" button.

Figure 4.1: Public Inquiry

5. DASHBOARD

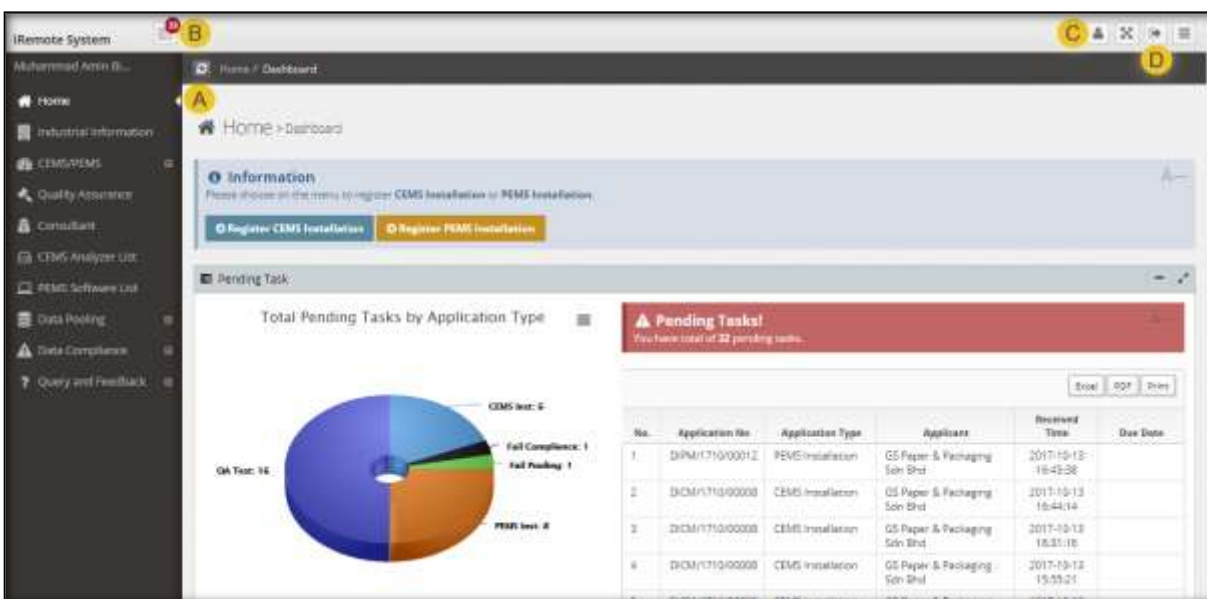


Figure 5.1: Dashboard Industry

A) Menu can be display or hide by clicking

button .

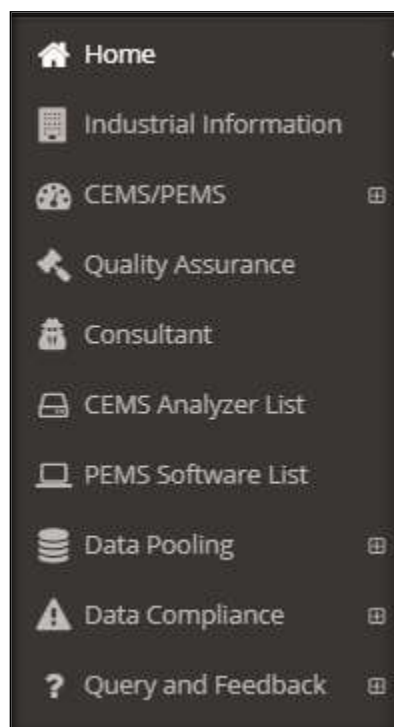



Figure 5.2: Menu

- B) Click  to display the task that needs to do.

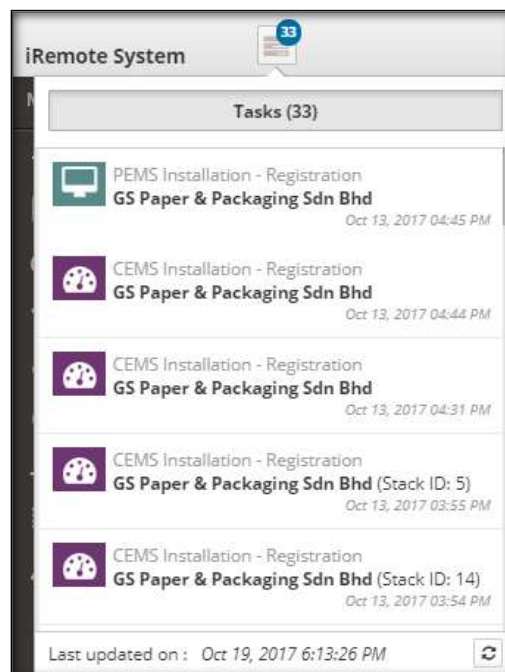



Figure 5.3: Task and Notification

- C) Click  to update User Information.
- Click tab User Profile to update user profile
 - Click tab Change Password to update new password

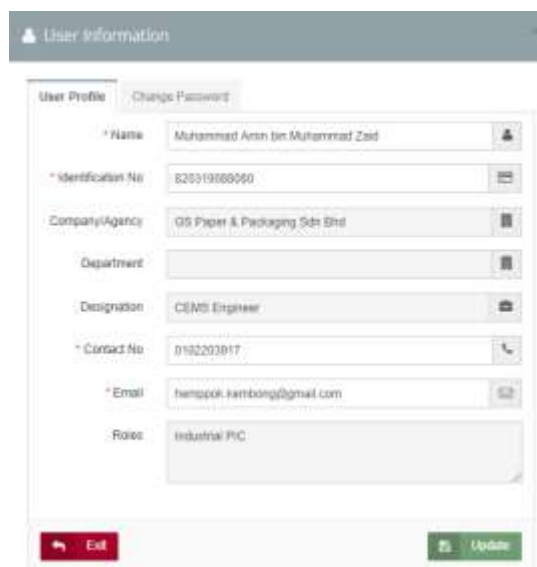


Figure 5.4: User Information



D) Click  to logout system. Then click .



Figure 5.5: Logout

6. INDUSTRIAL INFORMATION

Industrial Information

Industrial Name: GS Paper & Packaging Sdn Bhd

JAS File No: (B)B34/110/400/006

Plant Sector: Premis Buangan Terjadual (PYDT)

JAS Premise ID: 1003B0240593

Plant Sub Sector: Pembinaan Kemudahan Tapak Pelupusan Selamat

* Plant Address: Kompleks Perindustrian & Pengilangan Kertas Langat, Lot 7090, Mukim Tanjung 12, Karung Berkundi

* Postcode: 42960

* State: Selangor

* City: Banting

Parliament: P112 Kuala Langat

Plant Longitude: 102.249992

Plant Latitude: 3.958940

* Total Stacks: 1

* Mailing Address: ☒ Same address Kompleks Perindustrian & Pengilangan Kertas Langat, Lot 7090, Mukim Tanjung 12, Karung Berkundi

* Postcode: 42960

* State: Selangor

* City: Banting

* Phone Number: 0331825000

Fax Number: 0331224005

Contact Person: Muhammad Amin bin Muhammad Zaid

Position: CEMS Engineer

Contact Number: 0102203917

Email Address: hermppok.kembong@gmail.com

Figure 6.1: Industrial Information

A) Complete all mandatory (*) fields present in the Industrial Information form.

a) The field no need to fill because it already has the data.

b) Mailing address can be copy from register address by tick ☒ Same address .

Then click .

7. CEMS/PEMS

7.1 APPLICATION OF CEMS INSTALLATION

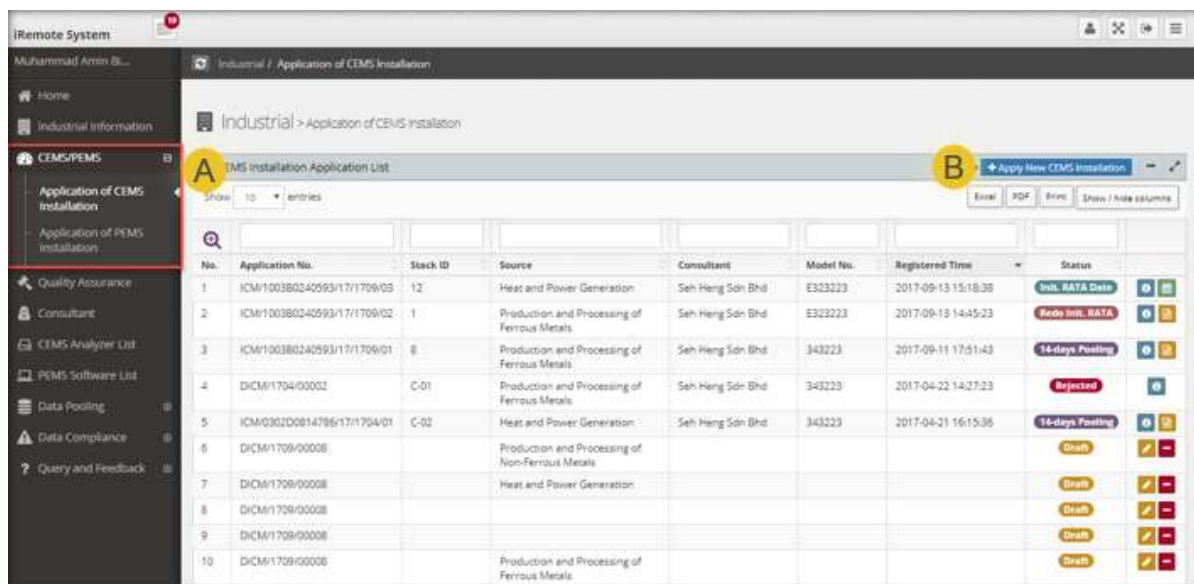


Figure 7.1: Application of CEMS Installation

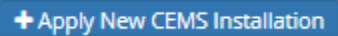









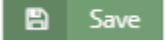
- A) Click CEMS Installation.
- B) Click button  .
- C) Click  for display the information of Application.
- D) This button  will appear only after application has been approved. Click  to insert date of Initial RATA.
- E) This button  will appear after initial RATA date has been submit. Click  to key-in the Initial RATA.
- F)   will appear when the application has been saved as draft. Click  to edit the application. Click  to delete the draft.

Figure 7.2: Application of CEMS Installation Form

G) Complete all mandatory (*) fields present in the application form. Click next or previous function to go to the next section.

H) In Section C- CEMS Equipment, if the analyzer model and company is not listed. Click

 to register the analyzer.

I) If the fields not complete, click  to save the form as draft at the list

The draft can continue when need.

J) Click  to submit the application.

7.1 APPLICATION OF PEMS INSTALLATION

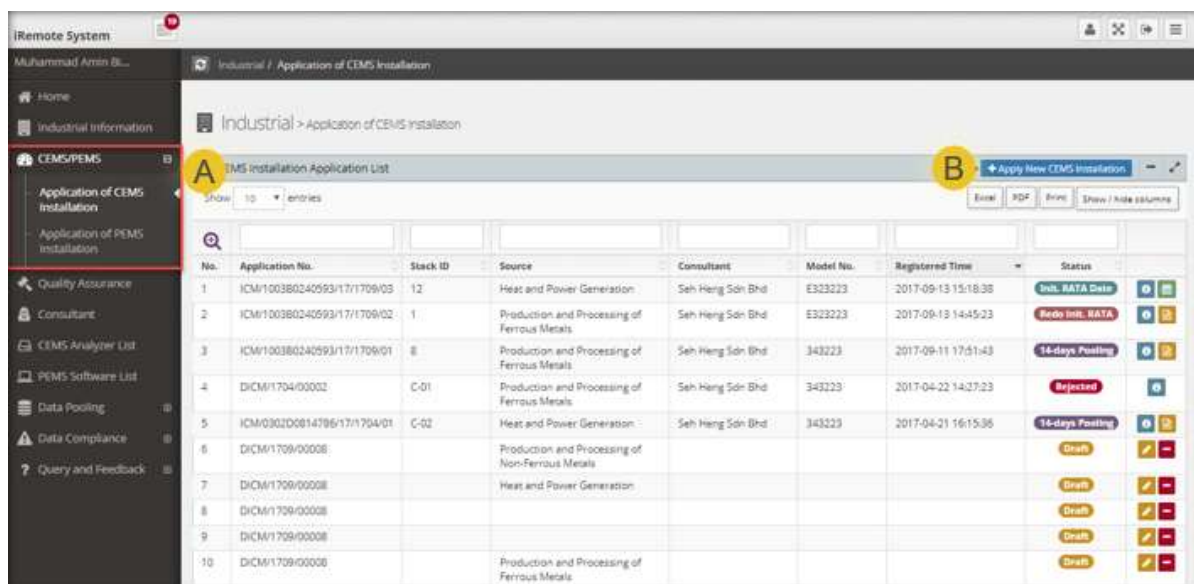
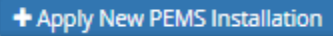











Figure 7.3: Application of PEMS Installation

- A) Click PEMS Installation.
- B) Click button  if for application installation of PEMS.
- C) Click  for display the information of Application.
- D) This button  will appear only after application has been approved. Click  to insert date of Initial RATA.
- E) This button  will appear after initial RATA date has been submit. Click  to key-in the Initial RATA.
- F)   will appear when the application has been saved as draft. Click  to edit the application. Click  to delete the draft.

The screenshot shows the 'Application of PEMS Installation' form. At the top, there are four sections: Section A - Industrial Details (active), Section B - Source of Emission, Section C - PEMS Software, and Section D - PEMS Software. A yellow circle 'G' highlights the 'Next' button in the navigation bar. Below the navigation bar, the form is titled 'A. Industrial Details'. It contains several input fields: 'Industrial Name' (GS Paper & Packaging Sdn Bhd), 'JAS File No' ((B)B34/110/400/006), 'JAS Premise ID' (1003B0240593), 'Plant Sector' (Premis Buangan Terjadual (PYDT)), and 'Plant Sub Sector' (Pembinaan Kemudahan Tapak Pelupusan Selama). There are also fields for 'Plant Address', 'Mailing Address', 'Postcode', 'City', and 'State', all of which are marked with an asterisk (*) indicating they are mandatory. At the bottom of the form, there are three buttons: 'Exit' (red), 'Save' (green), and 'Submit' (orange). A yellow circle 'H' highlights the 'Save' button, and a yellow circle 'I' highlights the 'Submit' button.

Figure 7.4: Application of PEMS Installation Form

K) Complete all mandatory (*) fields present in the application form. Click next or previous function to go to the next section.

L) If the fields not complete, click  to save the form as draft at the list

The screenshot shows a table with a 'Status' column. The status is 'Draft'. There are two buttons: a yellow 'Draft' button and a red button with a minus sign.

The draft can continue when need.

M) Click  to submit the application.

8. QUALITIES ASSURANCE

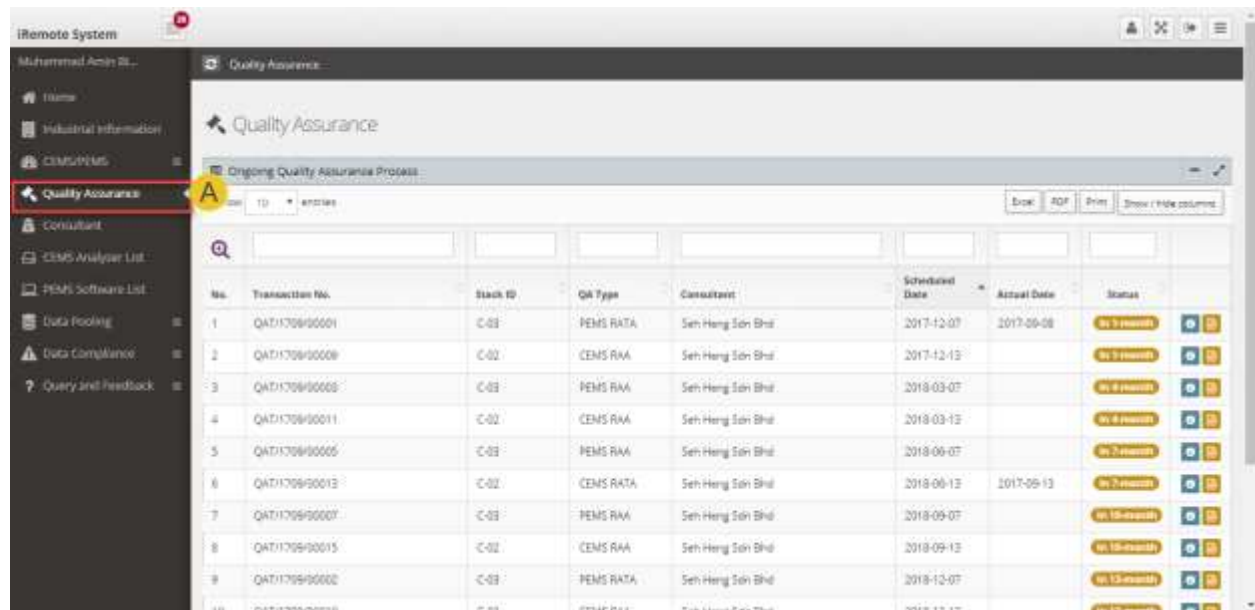


Figure 8.1: Quality Assurance



- Click Quality Assurance.
- Click  for display the information of Application.
- This button  is to update Service Report of Quality Assurance.



Figure 8.2: Service Report

9. CONSULTANT

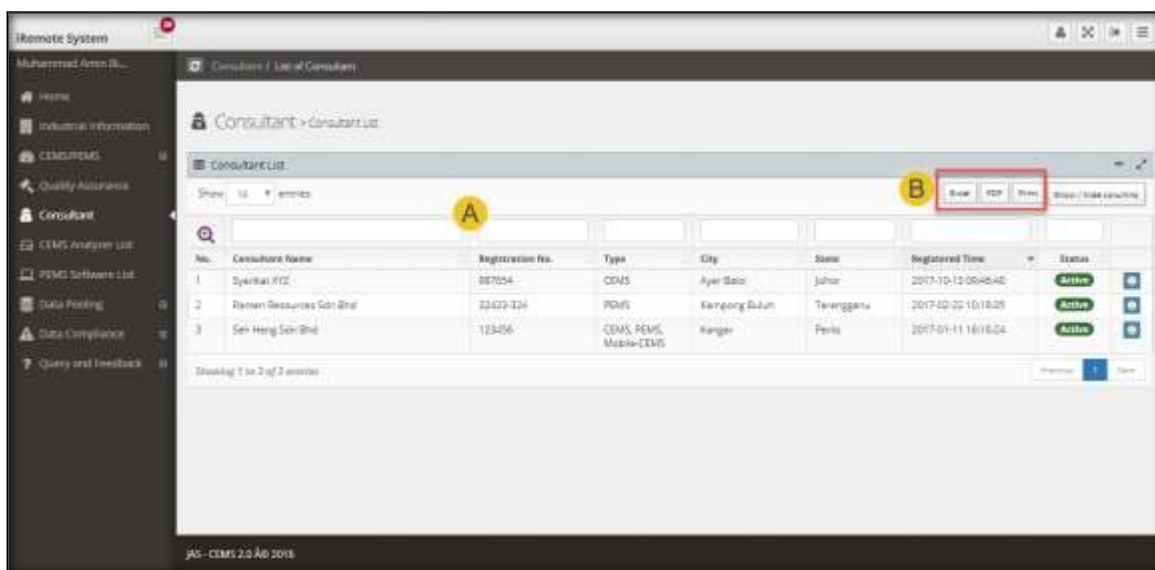


Figure 9.1: Consultant List

- A) The box has a search function for each column. The column will be display followed by what we search for that column.

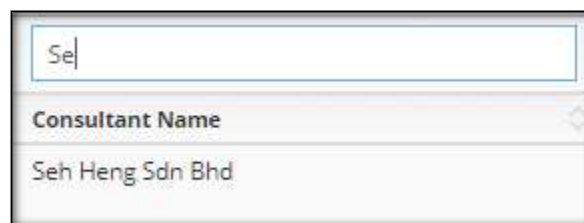


Figure 9.2: Search Function Consultant

- B) Click **Excel** or **PDF** to export that table to excel or pdf. Click **Print** print that table.

10. CEMS ANALYZER LIST

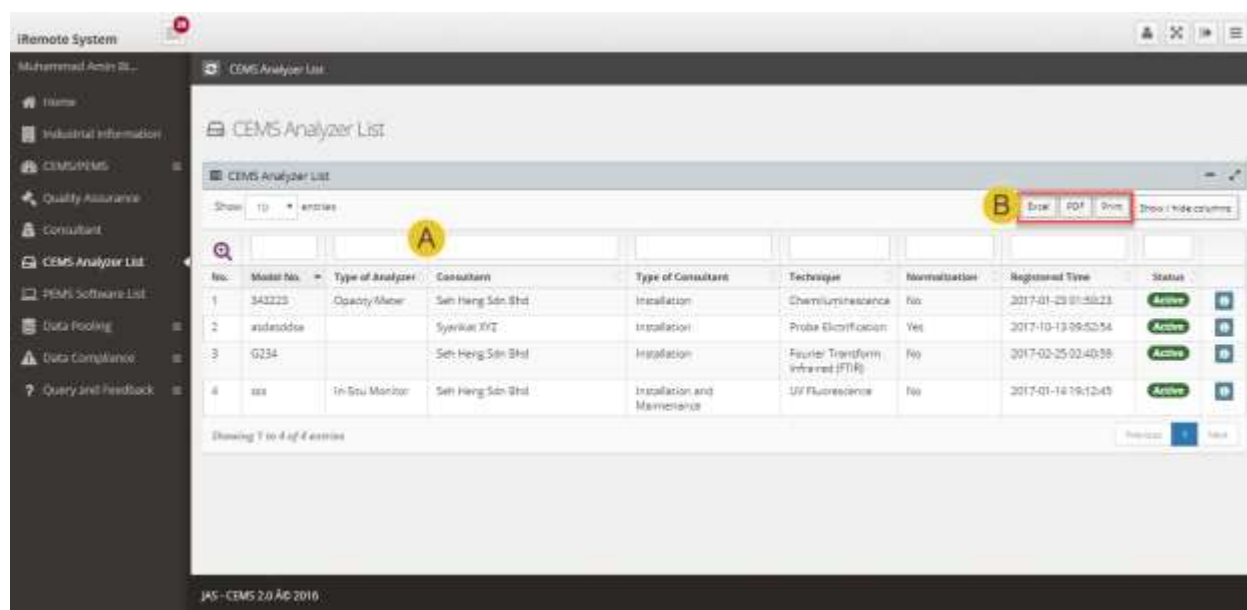


Figure 10.1: CEMS Analyzer List

- A) The box has a search function for each column. The column will be display followed by what we search for that column.

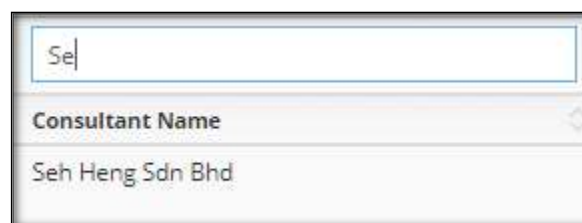


Figure 10.2: Search Function CEMS Analyzer List

- B) Click **Excel** or **PDF** to export that table to excel or pdf. Click **Print** print that table.

11. PEMS SOFTWARE LIST

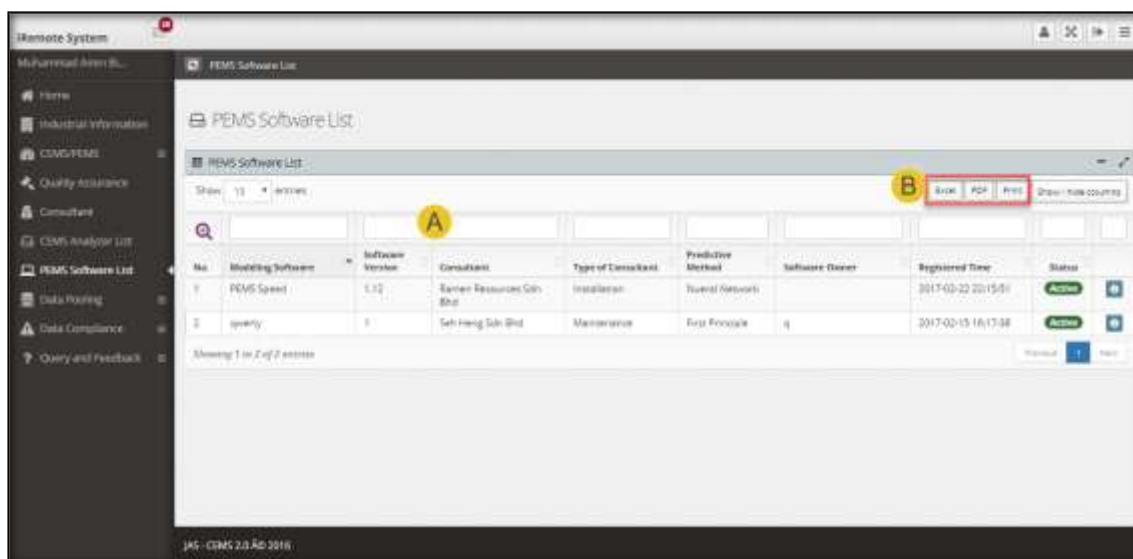


Figure 11.1: PEMS Software List

- A) The box has a search function for each column. The column will be display followed by what we search for that column.

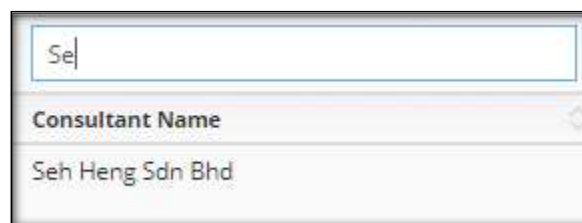


Figure 11.2: Search Function PEMS Software List

- B) Click **Excel** or **PDF** to export that table to excel or pdf. Click **Print** print that table.

12. DATA POOLING

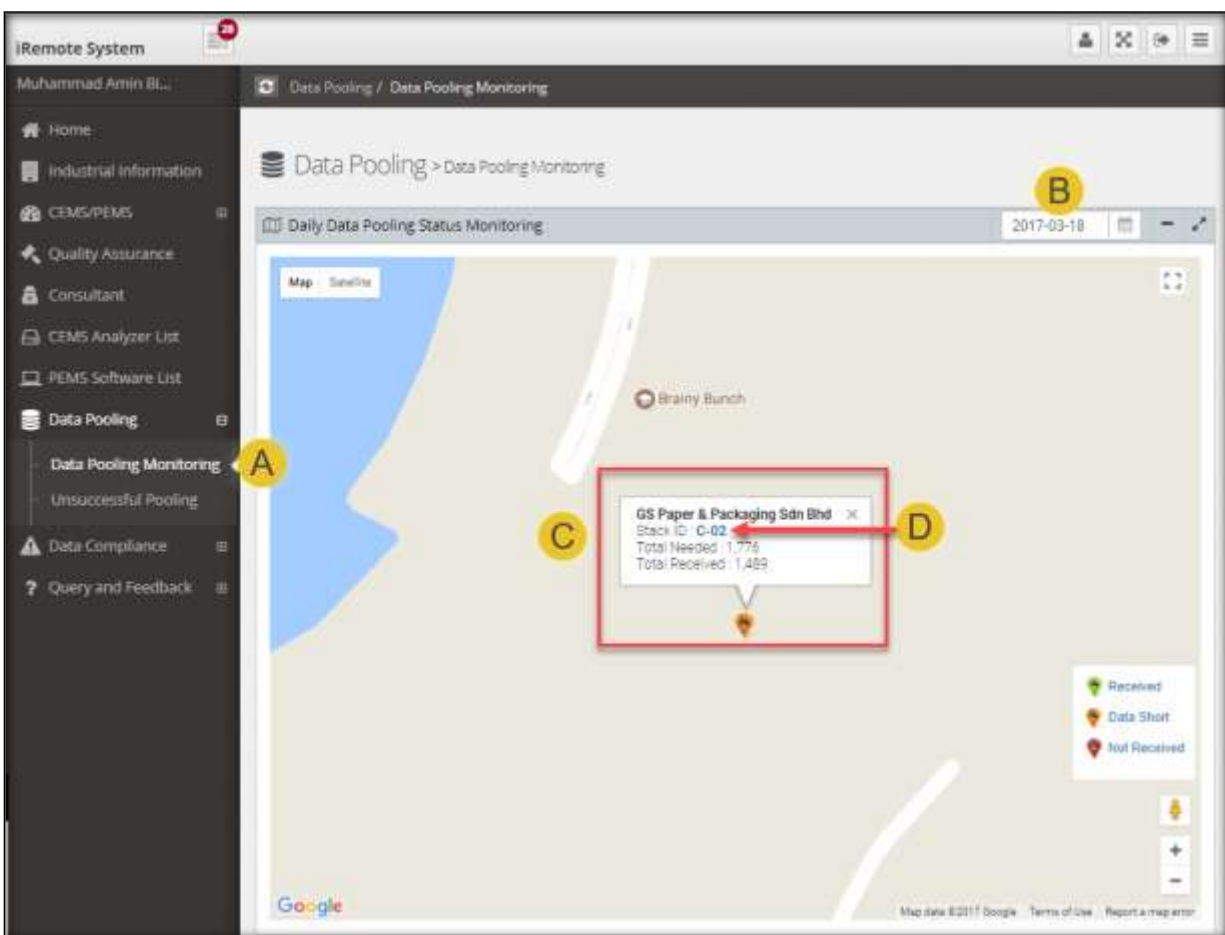


Figure 12.1:Data Pooling

A) Data Pooling Monitoring page:

- i. Click Data Pooling on menu.
- ii. Click Data Pooling Monitoring.

- B) Click specific date to list out the location of the industry on the maps.

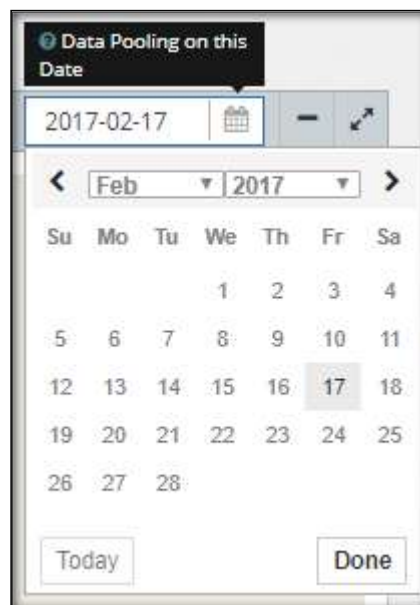


Figure 12.2: Date Picker Data Pooling

- C) Display details of the industry.






- i. Click on  to display details of the industry stack ID.

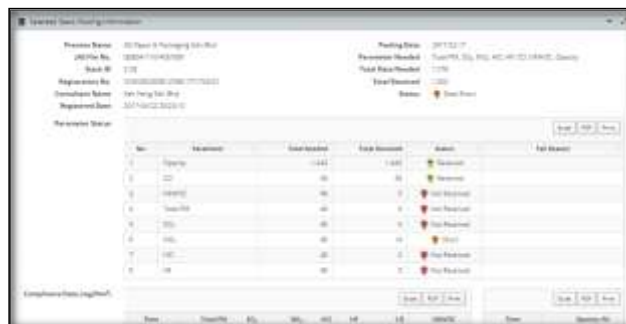


Figure 12.3: Details Industry Data Pooling

The  will be differentiated by color.

- i.  - Data Receive
- ii.  - Shortage of data
- iii.  - Not Received

D) Click on the Stack ID to display the Selected Stack Pooling Information



No	Description	Fuel/Residual	Stack Residual	Status	Action
1	Stack ID	1244	1244	Stack Residual	Stack Residual
2	Stack ID	1244	1244	Stack Residual	Stack Residual
3	Stack ID	1244	1244	Stack Residual	Stack Residual
4	Stack ID	1244	1244	Stack Residual	Stack Residual
5	Stack ID	1244	1244	Stack Residual	Stack Residual
6	Stack ID	1244	1244	Stack Residual	Stack Residual
7	Stack ID	1244	1244	Stack Residual	Stack Residual
8	Stack ID	1244	1244	Stack Residual	Stack Residual

Figure 12.4: Selected Data Pooling Information

13. DATA COMPLIANCE

A) Limit Exceeding Report:

- i. Click Data Compliance on menu.
- ii. Click Limit Exceeding Report.

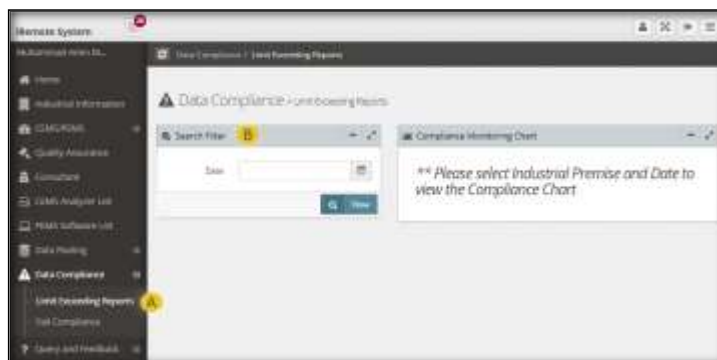


Figure 13.1: Data Compliance

B) Search Filter

- i. Complete the Search Filter
- ii. Click View.

C) Choose the Stack ID for the industry.



Figure 13.2: Details Stack Data

14. QUERY AND FEEDBACK

14.1 Post Inquiry

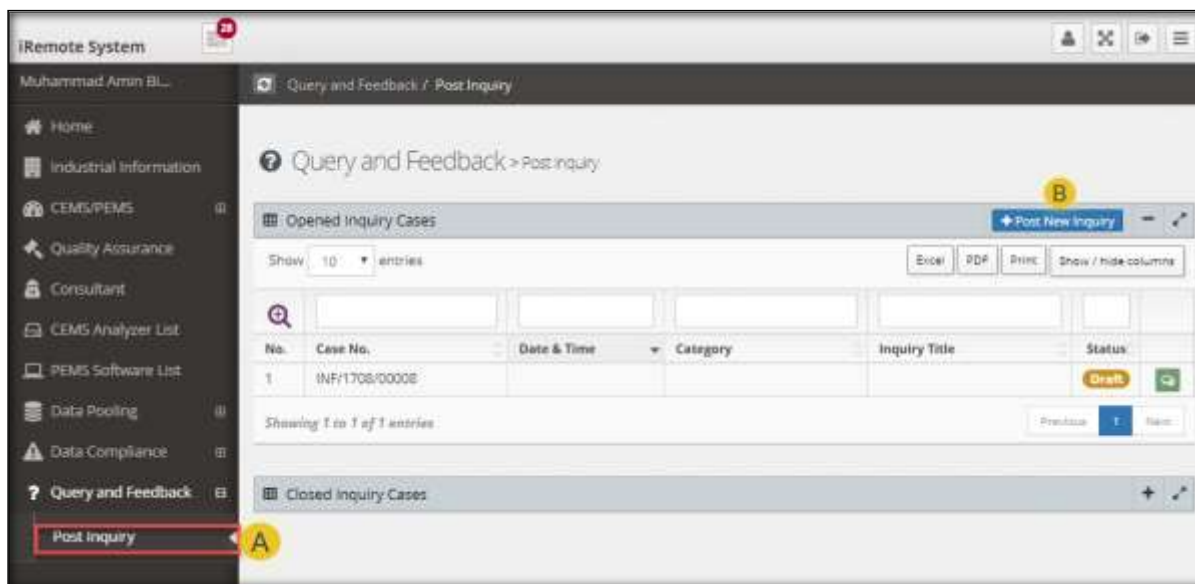


Figure 14.1: Post Inquiry

A) Post Inquiry page:

- i. Click Query and Feedback on menu.
- ii. Click Post Inquiry.

Query and Feedback

Post Inquiry Delegate Inquiry Check Inquiry Resolve & Close

Information

Case No.	INF/1708/00008	Inquiry Time	-
Inquiry From	Muhammad Amin bin Muhammad Zaid	Department	GS Paper & Packaging Sdn Bhd
Inquiry Type	Internal	Current Status	Draft

Inquiry

* Title

* Category

Exit Save Submit

Figure 14.2: Post Inquiry Form

B) Post New Inquiry:

- Click button **+ Post New Inquiry** to post any inquiry relates with the system.
- Complete all mandatory (*) fields present in the inquiry form.
- For Supporting Attachment, need to click **Choose File** to upload supporting attachment. Attachment need to be in PDF format. Then
- Click button **Upload** to upload the attachment. Supporting attachment can be upload multiple attached.
- Click **Submit** to submit inquiry form.
- OR click **Save** to save as draft.