MANUAL BOOK OF ASEAN COAL TRADE DATABASE AND ASEAN COAL PORTAL APPLICATION
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CHAPTER I
INTRODUCTION
1. Introduction

Coal trading activities as one of the ASEAN countries’ revenues should be well-managed in order to give a sustainable contribution in relating to well-documented coal trade data as required information. In this case, ASEAN countries should manage all data of coal trade in one integrated database system which can provide coals trade information online to increase ASEAN revenues. A supporting media is needed to strengthen coal corporation among ASEAN member states by creating an application to combine coal data trade in order to know supply and demand of coal in ASEAN region and the world as follow up action of coal cooperation work plan of ASEAN plus three as outlined herewith:

a. Facilitate trade and investment in the coal sector for mutual benefits, as well as forge closer cooperation in capacity building in the coal sector.

b. Enhance collaboration in research and development activities for the sustainable development of the coal sector.

c. Encourage private sector participation and public-private sector collaboration in the development and/or implementation of joint cooperation in programs and activities related to the sustainable development of coal resources in the region.

d. Promote technical information exchange, experience and best practices on, among others, the development of the ASEAN Coal Database, scientific and technological research and development of geosciences, the sustainable development of coal resources.

Indonesia and Malaysia as coordinator and responsible for WGMID (Working Group on Coal Information Database) under ASOMM (ASEAN Senior Officials Meeting on Coals) work together to finish the development of ASEAN Coals Trade Database application in 2010. ASEAN Coals Trade Database application is sub database of ASEAN Coal Database and Information System which an integrated database web based application to provide facility of managing ASEAN coal trade data and information. This application is developed by Center for Geological Resources, Agency of Geology, Ministry of Energy and Mineral Resources of The Republic of Indonesia.

ASEAN coals trade database application is developed using open source software, such as FreeBSD Operating System, Apache Web Server, PHP and Java Script Language Program, PostGre SQL Database, Source Edit Editor Program. This application can be accessed online through internet (web based) and the output of the application is dynamic information in table and graph form. All open source software can be downloaded from below URL:

http://www.maptools.org
http://www.postgresql.org
http://www.apache.org
http://www.ubuntu.com
http://www.php.org
http://www.w3schools.com/js/js_intro.asp
http://www.java.com

2. System Requirements

System requirements of user clients to access ASEAN coals information and database application are:

1. Computer minimum Intel Pentium III or equal.
2. Hard disk capacity minimum 10 GB.
3. RAM minimum 256 MB.
4. Operating System Windows XP.

3. User Access Rights

There are three types of user access rights in ASEAN coals trade database application, i.e.:
1. Country administrator of coal trade database application can add, edit, and delete data of coal trade that cover company, legislation, trade export import, supply demand, research and development in each ASEAN member country.

2. Publisher of ASEAN portal can add, edit, delete, and post ASEAN coal news/article in homepage of ASEAN coal information and database system portal.

3. Public user can only view all data in ASEAN coal information and database system.

4. Reference Tables

There are twelve reference tables in ASEAN coals trade database application, i.e.:

1. Commodity type table.
4. RD category table.
5. Legislation category table.
6. SITC_HS table.
7. Unit table.

5. Trade Concept

**EXPORTS**
Goods (locally produced or manufactured or imported for subsequent re-exports) are regarded as exports when they are taken out of the country. It is also termed as ‘general exports’.

**RE-EXPORTS**
Goods are regarded as re-exports when they are taken out of the country in the same form as they were imported without any transformation. Re-packing, sorting or grading processes are not considered as part of the transformation process.

**IMPORTS**
Goods are regarded as imports when they are brought into the country either directly or into bonded warehouses, irrespective of whether such goods are for consumption, to be processed, use in manufacturing or subsequent re-exports to other countries. It is also termed as ‘general imports’.

**BALANCE OF TRADE**
The balance of trade is the difference between the value of exports and imports. When exports exceed imports it is regarded as a surplus while a deficit is registered when imports exceed exports.

**C.I.F. (Cost, Insurance, and Freight)**
Imports are valued on a C.I.F. (Cost, Insurance and Freight) basis, that is, the value of the goods in the market at the statistical/customs frontier of the importing country, including all charges for transport and insurance whilst in transit but excluding the cost of unloading from the carrier unless it is borne by the carrier.

**F.O.B. (Free On Board)**
Exports are valued on a F.O.B. (Free On Board) basis, that is. The value of the goods in the market at the statistical/customs frontier of the exporting country, including all costs of transporting of the goods to the statistical/customs frontier, export and other duties payable as well as the cost of loading the goods onto the carrier unless the latter cost is borne by the carrier.

**SITC (Standard International Trade Classification) and HS (Harmonized System) Codes**
The codes that used to describe export/import commodities.
**LIST OF SITC HS CODE**

<table>
<thead>
<tr>
<th>Commodity</th>
<th>SITC Code</th>
<th>HS Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal</td>
<td>321-100-000</td>
<td>2701.11.0000</td>
<td>Anthracite coal</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
</tr>
<tr>
<td>Coal</td>
<td>322-210-000</td>
<td>2702.10.0000</td>
<td>Lignite, whether or not pulverised, but not agglomerated</td>
</tr>
<tr>
<td>Coal</td>
<td>322-220-000</td>
<td>2702.20.0000</td>
<td>Agglomerated lignite</td>
</tr>
<tr>
<td>Coal</td>
<td>322-300-000</td>
<td>2703.00.0000</td>
<td>Peat (includes peat litter), whether or not agglomerated</td>
</tr>
<tr>
<td>Coal</td>
<td>325-000-200</td>
<td>2704.00.200</td>
<td>Coke &amp; semi-coke of lignite or of peat</td>
</tr>
<tr>
<td>Coal</td>
<td>325-000-100</td>
<td>2704.00.1000</td>
<td>Coke &amp; semi-coke of coal</td>
</tr>
<tr>
<td>Coal</td>
<td>931-000-913</td>
<td>9800.00.913</td>
<td>Coal for fuel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International Name</th>
<th>Abbreviation</th>
<th>Local Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracite</td>
<td>Coa1</td>
<td>Antrasit</td>
</tr>
<tr>
<td>Bitumens_(Asphalt)</td>
<td>Bit</td>
<td>Aspal</td>
</tr>
<tr>
<td>Bituminous_Coal</td>
<td>Coa2</td>
<td>Batubara Bituminus</td>
</tr>
<tr>
<td>Coal</td>
<td>Coa</td>
<td>Batubara</td>
</tr>
<tr>
<td>Carbon</td>
<td>C</td>
<td>Kabon</td>
</tr>
<tr>
<td>Carbon_Dioxide</td>
<td>CO2</td>
<td>Karbondioksida</td>
</tr>
<tr>
<td>Gas_(Natural)</td>
<td>Gas</td>
<td>Gas alam</td>
</tr>
<tr>
<td>Lignite</td>
<td>Coa4</td>
<td>Linit</td>
</tr>
<tr>
<td>Oil_Sands</td>
<td>Sao</td>
<td>Batuan yg mengandung minyak</td>
</tr>
<tr>
<td>Oil_Shale</td>
<td>Sho</td>
<td>Bitumen padat</td>
</tr>
<tr>
<td>Peat</td>
<td>Pea</td>
<td>Gambut</td>
</tr>
<tr>
<td>Petroleum_(Oil)</td>
<td>Oil</td>
<td>Minyak tanah</td>
</tr>
<tr>
<td>Sub-Bituminous_Coal</td>
<td>Coa3</td>
<td>Batubara Sub-Bituminus</td>
</tr>
<tr>
<td>Geothermal</td>
<td>Geo</td>
<td>Panas Bumi</td>
</tr>
</tbody>
</table>

6. **URL Address of ASEAN Coal Database and Information System (ACDIS)**

### 7. Coal Trade Form

#### Company Directory

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
<th>Product</th>
<th>Contact Person</th>
<th>Mobile</th>
<th>Email</th>
<th>URL</th>
<th>Info</th>
<th>Keyword</th>
</tr>
</thead>
</table>

#### Coal Legislation

<table>
<thead>
<tr>
<th>Legislation Name</th>
<th>Legislation Number</th>
<th>Legislation code</th>
<th>Year of validation</th>
<th>Signature / author</th>
<th>Upload PDF File</th>
</tr>
</thead>
</table>

#### Export and Import

<table>
<thead>
<tr>
<th>Commodity Name</th>
<th>SITC Code</th>
<th>HS Code</th>
<th>Description</th>
<th>Destination/Origin</th>
<th>Local/USD Value</th>
<th>Quantity</th>
<th>Unit</th>
<th>Year</th>
</tr>
</thead>
</table>

#### Supply and Demand

<table>
<thead>
<tr>
<th>Commodity Name</th>
<th>Quantity</th>
<th>Unit</th>
<th>Year</th>
</tr>
</thead>
</table>

#### Research and Development Directory

<table>
<thead>
<tr>
<th>R&amp;D Name</th>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
<th>Product</th>
<th>Contact Person</th>
<th>Mobile</th>
<th>Email</th>
<th>Experties</th>
<th>Facilities</th>
</tr>
</thead>
</table>

CHAPTER II
ADMINISTRATOR
OF ASEAN COAL
TRADE
DATABASE
1. Logging into the administration site

Go to the administrator page at http://webgis.psdg.bgl.esdm.go.id/afoctrade/administrator/.

2. Administrator Homepage

The administrator homepage is divided into ten main menus:

a. Home
   Home menu contains banner and menu title of administrator homepage.

b. File
   File menu contains three sub menus:
   - Logout has function to logout from administrator page
   - Change Password has function to change password of user admin
   - Exit has function to exit from administrator page

c. Company
   Company menu contains one sub menu:
   - Company Form Entry has function to input, edit and delete data of mining companies in each ASEAN Member Country.

d. Legislation
   Legislation menu contains one sub menu:
   - Legislation Form Entry has function to input, edit and delete data of coal development and environment legislation in each ASEAN Member Country.

e. Trade
   Trade menu contains one sub menu:
   - Trade Form Entry has function to input, edit and delete data of trade export and import of coal in each ASEAN Member Country.

f. Supply_Demand
   Supply_Demand menu contains one sub menu:
   - Supply Demand Form Entry has function to input, edit and delete data of supply, demand, production, and consumption of coal in each ASEAN Member Country.

g. RD
   RD menu contains one sub menu:
   - RD Form Entry has function to input, edit and delete data of research and development institutions in each ASEAN Member Country.

h. Tables
   Tables menu contains six sub menus:
- Category contains table of business category, Research and Development (RD) category, and legislation category.
- Commodity contains table of commodity type, metallic coal, non metallic coal, and coal energy.
- SITC-HS contains table of sitc and hs codes of commodity.
- Currency contains table of ASEAN countries currency.
- Unit contains table of unit system.
- Places contains table of ASEAN countries, provinces, districts, sub districts, and location.

i. **Administrator**
Administrator contains seven sub menus:
- Status contains enable or disable user status
- Menus contain menu list of administrator page
- Users contain list of users
- Rights contain user access rights
- User Groups contain user groups/levels
- Group Rights contain user access right groups
- Group Menus contain user menu editing right in administrator page

j. **Help**
Help contains two sub menus:
- About contains information of application developer
- Manual contains administrator manual

3. **Home Menu**
The ASEAN coal trade administrator page provides the following main buttons:

a. **Add New Button**: To create new form.

![Add New Button]

b. **Detail Button or Edit Button**: To view and edit content of chosen form.

![Detail Button or Edit Button]

c. **Delete Button**: To delete content of chosen form.

![Delete Button]

d. **Status Button**: To know data status whether a field in reports table has already been filled or not.

![Status Button]

e. **Back Button**: To return previous administrator page.

![Back Button]

f. **Choose Button**: To choose option.

![Choose Button]

4. **File Menu**

File menu consists of three sub menus as the following:

1. Logout
2. Change Password
3. Exit

Go to File section at the administrator page.

4.1. **SubMenu Logout**

SubMenu Logout has function to logout from administrator page and return to administrator login page.
4.2. Sub Menu Change Password

Sub menu Change Password has function to change password of user.

1. Type Old Password (case sensitive).
2. Type New Password (case sensitive).
4. Click OK button to accept the form or cancel to cancel changing password.

4.3. Sub Menu Exit

Sub menu Exit has function to exit from administrator page and close the window.

1. Click OK button.
5. Company Menu

Company menu consists of only one sub menu i.e. company form entry. This form is used to fill the form of mining companies data.

Go to Company menu, then choose Company Form Entry.

1. Click Add New button to add company.

2a. Click Yes button to close the window.

2b. Click No button to return to administrator homepage.
3. Select one of the country from the country Table radio button, then click OK button to accept the option or Cancel button to cancel the option.

4. Click this button to choose province.

5. Select one of the province that related to the country from the province Table radio button, then click OK button to accept the option or Cancel button to cancel the option.
6. Click this button to choose business category.

7. Select one of the business category of company from the business category Table radio button, then click OK button to accept the option or Cancel button to cancel the option.

8. Type company name, address, phone, fax, product, contact person, mobile, email, URL address, partner, business info, keyword in the field box. The company name must be filled.

9. Click OK button to accept the form.
10. Click Edit to edit the company form.

11. Edit the necessary field in the company form.

12. Click OK button to accept the form.
6. Legislation Menu

Legislation menu consists of only one sub menu i.e. legislation form entry. This form is used to fill the form of legislation data.

Go to Legislation menu, then choose Legislation Form Entry.

1. Click Add New button to add legislation.

2. Click this button to choose country.

13. Click Delete to delete the company form.

Delete this value: [ 01201000001:PT. Tambang Batubara Bukit Asam ]?

14. Click Yes to confirm deletion of the company form or No to cancel.
3. Select one of the country from the country Table radio button, then click OK button to accept the option or Cancel button to cancel the option.

4. Click this button to choose legislation category.

5. Select one of the legislation category from the legislation category Table radio button, then click OK button to accept the option or Cancel button to cancel the option.
6. Type legislation name, legislation number, legislation code, year of validation, signature/author.

7. Click Browse button to upload file of legislation in PDF form.

8. Select one of the legislation pdf file from your own computer, then click Open button to accept the option or Cancel button to cancel the option.
9. Click OK button to accept the form.

10. Click Edit to edit the legislation form.
Trade Menu

Trade menu consists of only one sub menu i.e. trade form entry. This form is used to fill the form of trade export and import data.

Go to Trade menu, then choose Trade Form Entry.

11. Edit the necessary field in the legislation form.
12. Click OK button to accept the form.
13. Click Delete to delete the legislation form.
14. Click Yes to confirm deletion of the legislation form or No to cancel.
7.1. Export Form

1a. Click Add New button to add commodity type of export/import.

1b. Click Edit button to edit chosen commodity type of export/import.

1c. Click Delete button to delete chosen commodity type of export/import.

2. Click Export Detail button under Content column to view and edit chosen Export Commodity.

3. Click Add New button to add or Edit button to edit or Delete button to delete SITC Code of Export Commodity.

4. Click this button to choose SITC Code.
5. Select one of the SITC/HS Code from the SITC_HS Table radio button, then click OK button to accept the option or Cancel button to cancel the option.

6. After choosing SITC Code from list of SITC_HS, the HS Code and Commodity Description will be shown up automatically, so you don’t have to type the HS Code and Commodity Description.

7. Click OK button to accept the form.

8. Click Destination Detail button under Content column to view and edit destination country of chosen export commodity.
9. Click Add New button to add or Edit button to edit or Delete button to delete destination country of export commodity.

10. Click this button to choose country of export destination.

11. Select one of the export destination country from the country Table radio button, then click OK button to accept the option or Cancel button to cancel the option.
12. Type local export value, USD export value, quantity with numeric (for decimal, use dot(.) to separate number, e.g.: 3.5), year (4 digits).

13. Use this tool to count conversion between local and USD currency, copy the numeric into the related field box.

14. Click this button to choose unit.

15. Select one of the unit from the unit Table radio button, then click OK button to accept the option or Cancel button to cancel the option.

16. Click OK button to accept the form.
7.2. Import Form

1a. Click Add New button to add commodity type of export/import.

2. Click Import Detail button under Content column to view and edit chosen Import Commodity.

1b. Click Edit button to edit chosen commodity type of export/import.

1c. Click Delete button to delete chosen commodity type of export/import.

3. Click Add New button to add or Edit button to edit or Delete button to delete SITC Code of Import Commodity.

4. Click this button to choose SITC Code.
5. Select one of the SITC/HS Code from the SITC_HS Table radio button, then click OK button to accept the option or Cancel button to cancel the option.

6. After choosing SITC Code from list of SITC_HS, the HS Code and Commodity Description will be shown up automatically, so you don't have to type the HS Code and Commodity Description.

7. Click OK button to accept the form.

8. Click Origin Detail button under Content column to view and edit origin country of chosen import commodity.
9. Click Add New button to add or Edit button to edit or Delete button to delete origin country of import commodity.

10. Click this button to choose country of import origin.

11. Select one of the import origin country from the country Table radio button, then click OK button to accept the option or Cancel button to cancel the option.
Supply_Demand menu consists of only one sub menu i.e. supply demand form entry. This form is used to fill the form of supply, demand, production, and consumption of coal data.

Go to Supply_Demand menu, then choose Supply Demand Form Entry.

12. Type local import value, USD import value, quantity with numeric (for decimal, use dot(.) to separate number, e.g : 3.5), year (4 digits).

13. Use this tool to count conversion between local and USD currency, copy the numeric into the related field box.

14. Click this button to choose unit.

15. Select one of the unit from the unit Table radio button, then click OK button to accept the option or Cancel button to cancel the option.

16. Click OK button to accept the form.
8.1. Supply Form

1a. Click Add New button to add commodity type of supply/demand/production/consumption.

1b. Click Edit button to edit chosen commodity type of supply/demand/production/consumption.

1c. Click Delete button to delete chosen commodity type of supply/demand/production/consumption.

2. Click Supply Detail button under Content column to view and edit chosen Supply Commodity.

3. Click Add New button to add or Edit button to edit or Delete button to delete Supply Commodity.

4. Type supply quantity with numeric (for decimal, use dot(.)) to separate number, e.g.: 3.5, year (4 digits).

5. Click this button to choose quantity unit.

6. Click OK button to accept the form.
8.2. Demand Form

1a. Click Add New button to add commodity type of supply/demand/production/consumption.

1b. Click Edit button to edit chosen commodity type of supply/demand/production/consumption.

1c. Click Delete button to delete chosen commodity type of supply/demand/production/consumption.

2. Click Demand Detail button under Content column to view and edit chosen Demand Commodity.

3. Click Add New button to add or Edit button to edit or Delete button to delete Demand Commodity.

6. Select one of the unit from the unit Table radio button, then click OK button to accept the option or Cancel button to cancel the option.
8.3. Production Form

1a. Click Add New button to add commodity type of supply/demand/production/consumption.

1b. Click Edit button to edit chosen commodity type of supply/demand/production/consumption.

1c. Click Delete button to delete chosen commodity type of supply/demand/production/consumption.

2. Click Demand Detail button under Content column to view and edit chosen Production Commodity.

4. Type demand quantity with numeric (for decimal, use dot(.)) to separate number, e.g.: 3.5, year (4 digits).

5. Click this button to choose quantity unit.

6. Select one of the unit from the unit Table radio button, then click OK button to accept the option or Cancel button to cancel the option.

7. Click OK button to accept the form.

Demand Id: [auto increment]
Quantity: 3.5
Unit: Dry Metric Tons
Year: 2007

Select Unit:

ID | Unit Name
---|-----------
01 | Dry Metric Tons
02 | Kg
03 | Chun
04 | Oz
05 | Carat
06 | Wet Metric Tons
07 | Dry Metric Tons
3. Click Add New button to add or Edit button to edit or Delete button to delete Production Commodity.

4. Type production quantity with numeric (for decimal, use dot(,) to separate number, e.g.: 3.5), year (4 digits).

5. Click this button to choose quantity unit.

6. Select one of the unit from the unit Table radio button, then click OK button to accept the option or Cancel button to cancel the option.

7. Click OK button to accept the form.
8.4. Consumption Form

1a. Click Add New button to add commodity type of supply/demand/production/consumption.

1b. Click Edit button to edit chosen commodity type of supply/demand/production/consumption.

1c. Click Delete button to delete chosen commodity type of supply/demand/production/consumption.

2. Click Demand Detail button under Content column to view and edit chosen Consumption Commodity.

3. Click Add New button to add or Edit button to edit or Delete button to delete Consumption Commodity.

4. Type consumption quantity with numeric (for decimal, use dot(,) to separate number, e.g.: 3.5), year (4 digits).

5. Click this button to choose quantity unit.

6. Click OK button to accept the form.
9. RD Menu

RD menu consists of only one sub menu i.e. RD form entry. This form is used to fill the form of Research and Development (RD) institutions data.

Go to RD menu, then choose RD Form Entry.

1. Click Add New button to add RD institutions.

2. Click this button to choose country.

6. Select one of the unit from the unit Table radio button, then click OK button to accept the option or Cancel button to cancel the option.
3. Select one of the country from the country Table radio button, then click OK button to accept the option or Cancel button to cancel the option.

4. Click this button to choose province.

5. Select one of the province that related to the country from the province Table radio button, then click OK button to accept the option or Cancel button to cancel the option.
6. Click this button to choose RD category.

7. Select one of the RD institutions category from the RD category Table radio button, then click OK button to accept the option or Cancel button to cancel the option.
8. Type R&D name, address, phone, fax, product, contact person, mobile, email, URL address, expertise, facilities, keyword in the field box. The R&D name must be filled.

9. Click OK button to accept the form.

10. Click Edit to edit the RD form.
11. Edit the necessary field in the RD form.

12. Click OK button to accept the form.

13. Click Delete to delete the RD form.

14. Click Yes to confirm deletion of the RD form or No to cancel.
10. Tables Menu

Tables menu consist of six sub menus: Category, Commodity, SITC_HS, Currency, Unit, and Places. Each sub menu contains reference table.

Sub menu Category consists of three tables:
1. Business Category
2. RD Category
3. Legislation Category

Sub menu Commodity consists of four tables:
1. Commodity Type
2. Metallic Coal
3. Non Metallic Coal
4. Coal Energy

Sub menu SITC_HS consists of one table:
SITC HS

Sub menu Currency consists of one table:
Currency

Sub menu Unit consists of one table:
Unit

Sub menu Places consists of two tables:
1. Country
2. Province

10.1. Sub Menu Category

Go to Tables menu, then choose Category.

10.1.1. Business Category Table

<table>
<thead>
<tr>
<th>ID</th>
<th>Category Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Mineral</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>02</td>
<td>Energy</td>
<td>[Edit / Delete]</td>
</tr>
</tbody>
</table>

1. Click Add New button to add or edit to edit or delete to delete business category.
1. Click Add New button to add or edit or delete to delete RD category.

2. Type Category Name, Description in the text box. Category Id is filled automatically by the system.

3. Click OK button to accept the form.

### 10.1.2. RD Category Table

<table>
<thead>
<tr>
<th>ID</th>
<th>Category Name</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Government</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>02</td>
<td>Private</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>03</td>
<td>Joint Venture</td>
<td>[Edit / Delete]</td>
</tr>
</tbody>
</table>
10.1.3. Legislation Category Table

**Legislation Category**

<table>
<thead>
<tr>
<th>ID</th>
<th>Category Name</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Law</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>02</td>
<td>Government Regulation</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>03</td>
<td>President Decree</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>04</td>
<td>President Regulation</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>05</td>
<td>President Instruction</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>06</td>
<td>Minister Decree</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>07</td>
<td>Minister Regulation</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>08</td>
<td>Others</td>
<td>[Edit / Delete]</td>
</tr>
</tbody>
</table>

1. Click Add New button to add or edit to edit or delete to delete legislation category.

2. Type Category Name, Description in the text box. Category Id is filled automatically by the system.

3. Click OK button to accept the form.

10.2. Sub Menu Commodity

Go to Tables menu, then choose Commodity.
10.2.1. Commodity Types Table

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Metallic Mineral</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>02</td>
<td>Non Metallic Mineral</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>03</td>
<td>Mineral Energy</td>
<td>[Edit / Delete]</td>
</tr>
</tbody>
</table>

1. Click Add New button to add or edit to edit or delete to delete commodity type.

2. Type Commodity Name, Description in the text box. Commodity Type Id is filled automatically by the system.

3. Click OK button to accept the form.

10.2.2. Mineral Energy Table

<table>
<thead>
<tr>
<th>ID</th>
<th>International Name</th>
<th>Abbreviation</th>
<th>Local Name</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>0003</td>
<td>Anthracite</td>
<td>Coal</td>
<td>Antarkit</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0016</td>
<td>Bitumen (Asphalt)</td>
<td>Bit</td>
<td>Aspal</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0017</td>
<td>Bituminous Coal</td>
<td>Co2</td>
<td>Batubara Bituminus</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0024</td>
<td>Coal</td>
<td>Co3</td>
<td>Batubara</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0025</td>
<td>Carbon</td>
<td>C</td>
<td>Karbon</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0084</td>
<td>Carbon Dioxide</td>
<td>CO2</td>
<td>Karbon dioxide</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0085</td>
<td>Gas (Natural)</td>
<td>Gas</td>
<td>Gas alam</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0086</td>
<td>Ignite</td>
<td>Coal</td>
<td>Lint</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0087</td>
<td>Oil Sands</td>
<td>Soc</td>
<td>Batuan yang mengandung minyak</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0088</td>
<td>Oil Shale</td>
<td>Sho</td>
<td>Batuan padat</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0089</td>
<td>Peat</td>
<td>Pea</td>
<td>Cembul</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0090</td>
<td>Petroleum, (Oil)</td>
<td>Oil</td>
<td>Minyak tanah</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0091</td>
<td>Sup-bituminous Coal</td>
<td>Co2</td>
<td>Batubara Sub-bituminus</td>
<td>[Edit / Delete]</td>
</tr>
<tr>
<td>0092</td>
<td>Geothermal</td>
<td>So2</td>
<td>Canas Rumi</td>
<td>[Edit / Delete]</td>
</tr>
</tbody>
</table>

1. Click Add New button to add or edit to edit or delete to delete coal energy.
10.3. Sub Menu SITC_HS

Go to Tables menu, then choose SITC_HS.

10.3.1. SITC HS Table

<table>
<thead>
<tr>
<th>Commodity Group</th>
<th>SITC Code</th>
<th>HS Code</th>
<th>Commodity Description</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal</td>
<td>321-100-000</td>
<td>2701.11.000</td>
<td>Anthracite coal</td>
<td>[Edit / Delete ]</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.12.000</td>
<td>Bituminous coal</td>
<td>[Edit / Delete ]</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.000</td>
<td>Other coal</td>
<td>[Edit / Delete ]</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2702.10.000</td>
<td>Lignite, whether or not published, but not agglomerated</td>
<td>[Edit / Delete ]</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2702.20.000</td>
<td>Agglomerated lignite</td>
<td>[Edit / Delete ]</td>
</tr>
<tr>
<td>Coal</td>
<td>322-300-000</td>
<td>2703.00.000</td>
<td>Peat (includes peat litter), whether or not agglomerated</td>
<td>[Edit / Delete ]</td>
</tr>
<tr>
<td>Coal</td>
<td>325-000-200</td>
<td>2704.00.200</td>
<td>Coke &amp; semi-coke of lignite or of peat</td>
<td>[Edit / Delete ]</td>
</tr>
<tr>
<td>Coal</td>
<td>325-000-100</td>
<td>2704.00.100</td>
<td>Coke &amp; semi-coke of coal</td>
<td>[Edit / Delete ]</td>
</tr>
<tr>
<td>Coal</td>
<td>291-000-913</td>
<td>9600.00.913</td>
<td>Coal for fuel</td>
<td>[Edit / Delete ]</td>
</tr>
</tbody>
</table>
1. Click Add New button to add or edit to edit or delete to delete SITC HS.

2. Type SITC Code, HS Code, Commodity Description in the text box. SITC Id is filled automatically by the system.

3. Click this button to choose General Commodity.

4. Select one of the general commodity name from the commodity Table radio button, then click OK radio button to accept the option or Cancel button to cancel the option.

5. Click OK button to accept the form.
10.4. Sub Menu Currency

Go to Tables menu, then choose Currency.

10.4.1. Currency Table

1. Click Add New button to add or edit to edit or delete to delete Currency.

4. Select one of the country name from the country Table radio button, then click OK button to accept the option or Cancel button to cancel the option.
10.5. Sub Menu Unit

Go to Tables menu, then choose Unit.

10.5.1. Unit Table

1. Click Add New button to add or edit to delete unit.

2. Type Currency Name, Conversion to USD, Year in the text box. Currency Id is filled automatically by the system.

3. Click this button to choose Country.

5. Click OK button to accept the form.
### 10.6. Sub Menu Places

Go to Tables section, then choose Places.

1. Click Add New button to add country or mouseover edit to edit or delete to delete country under Action Column.

2. Type Unit Name, Description in the text box. Unit Id is filled automatically by the system.

3. Click OK button to accept the form.

### 10.6.1. Countries Table

<table>
<thead>
<tr>
<th>ID</th>
<th>Country Name</th>
<th>Action</th>
<th>Province</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Indonesia</td>
<td>Edit</td>
<td>Detail</td>
</tr>
<tr>
<td>02</td>
<td>Malaysia</td>
<td>Edit</td>
<td>Detail</td>
</tr>
<tr>
<td>03</td>
<td>Singapore</td>
<td>Edit</td>
<td>Detail</td>
</tr>
<tr>
<td>04</td>
<td>Brunei Darussalam</td>
<td>Edit</td>
<td>Detail</td>
</tr>
<tr>
<td>05</td>
<td>Philippines</td>
<td>Edit</td>
<td>Detail</td>
</tr>
<tr>
<td>06</td>
<td>Thailand</td>
<td>Edit</td>
<td>Detail</td>
</tr>
<tr>
<td>07</td>
<td>Laos</td>
<td>Edit</td>
<td>Detail</td>
</tr>
<tr>
<td>08</td>
<td>Cambodia</td>
<td>Edit</td>
<td>Detail</td>
</tr>
<tr>
<td>09</td>
<td>Vietnam</td>
<td>Edit</td>
<td>Detail</td>
</tr>
<tr>
<td>10</td>
<td>Myanmar</td>
<td>Edit</td>
<td>Detail</td>
</tr>
</tbody>
</table>
10.6.2. Provinces Table

1. Mouseover Detail under Province Column to add or view or edit or delete province which is related to the chosen country, e.g. provinces in Indonesia.

2. Type Country Name, Capital in the text box. ASEAN Status (1 for ASEAN, 0 for Non ASEAN). Country Id is filled automatically by the system.

3. Click OK button to accept the form.

2. Click Add New button to add province or mouseover edit to edit or delete to delete province under Action Column.
11. Help Menu

Help menu consists of two sub menus as the following:
1. About

Go to Help section at the administrator page.

12.1. Sub Menu About

Sub menu About contains information of developer of ASEAN Coal Trade Database application.

12.2. Sub Menu Manual

Sub menu Manual contains this manual of ASEAN Coal Trade Database application.
CHAPTER III
ADMINISTRATOR OF ASEAN COAL PORTAL
1. Logging into the administration of ASEAN coal portal as Publisher

Go to the administrator page at http://psdg.bgl.esdm.go.id/dbafoc/.

2. Publisher Home Page

A publisher can create/write, edit, delete, and publish his own article/news. A publisher can read and edit his own profile. He can also upload media/image files to be posted in his own article/news.

1. Type username as publisher.
2. Type password.
3. Click login button.

1. Click Submit An Article/News under User Menu to create/write an article/news.
2. Write title of article/news.

3. Write content of article/news.

4. Click Image if you’d like to upload images

5. Choose Section and Category

6. Choose Yes on Published or No to cancel published

7. Choose Yes on Show on Front Pages

8. Choose Public on Access Level

9. Write keywords to get easily found

10. Click Save button
3. Visual Editor

Editor visual is editor tools to help a writer in writing article/news. These buttons can be mouseovered to read the function of the button. There are some features in this editor as follow:

<table>
<thead>
<tr>
<th>No</th>
<th>Tools</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>📔</td>
<td>To make bold letters, e.g: <strong>letters</strong></td>
</tr>
<tr>
<td>2.</td>
<td>𝐼</td>
<td>To make italic letters, e.g: <em>letters</em></td>
</tr>
<tr>
<td>3.</td>
<td>✅</td>
<td>To make underline letters, e.g: <em>letters</em></td>
</tr>
<tr>
<td>4.</td>
<td>𝑨𝑩𝑪</td>
<td>To make strikethrough letters, e.g: <strong>letters</strong></td>
</tr>
<tr>
<td>5.</td>
<td>💼</td>
<td>To make align left paragraph of sentences</td>
</tr>
<tr>
<td>6.</td>
<td>📝</td>
<td>To make align center paragraph of sentences</td>
</tr>
<tr>
<td>7.</td>
<td>📝</td>
<td>To make align right paragraph of sentences</td>
</tr>
<tr>
<td>8.</td>
<td>💼</td>
<td>To make align justified paragraph of sentences</td>
</tr>
<tr>
<td>9.</td>
<td>Styles</td>
<td>To choose style format</td>
</tr>
<tr>
<td>10.</td>
<td>Paragraph</td>
<td>To choose paragraph format</td>
</tr>
<tr>
<td>11.</td>
<td>📡</td>
<td>To make unordered list letters, e.g: · letters</td>
</tr>
<tr>
<td>12.</td>
<td>📡</td>
<td>To make ordered list letters, e.g: 1. Letters</td>
</tr>
<tr>
<td>13.</td>
<td>📡</td>
<td>To outdent paragraph</td>
</tr>
<tr>
<td>14.</td>
<td>📡</td>
<td>To indent paragraph</td>
</tr>
<tr>
<td>15.</td>
<td>🔄</td>
<td>To undo writing</td>
</tr>
<tr>
<td>16.</td>
<td>🔄</td>
<td>To redo writing</td>
</tr>
<tr>
<td>17.</td>
<td>🌐</td>
<td>To insert/edit link of a URL address</td>
</tr>
<tr>
<td>18.</td>
<td>🌐</td>
<td>To delete link / unlink of a URL address</td>
</tr>
<tr>
<td>19.</td>
<td>🌐</td>
<td>To insert/edit anchor</td>
</tr>
<tr>
<td>20.</td>
<td>📝</td>
<td>To insert/edit image</td>
</tr>
<tr>
<td></td>
<td>![Image Icon]</td>
<td>To cleanup messy code</td>
</tr>
<tr>
<td>---</td>
<td>---------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>22.</td>
<td>![Bank of Information Icon]</td>
<td>To get information of editor</td>
</tr>
<tr>
<td>23.</td>
<td>![HTML Icon]</td>
<td>To edit HTML source</td>
</tr>
<tr>
<td>24.</td>
<td>![Horizontal Ruler Icon]</td>
<td>To insert horizontal ruler</td>
</tr>
<tr>
<td>25.</td>
<td>![Remove Formatting Icon]</td>
<td>To remove formatting</td>
</tr>
<tr>
<td>26.</td>
<td>![Guideline/Invisible Elements Icon]</td>
<td>To toggle guideline/invisible elements</td>
</tr>
<tr>
<td>27.</td>
<td>![Subscript Character Icon]</td>
<td>To subscript character</td>
</tr>
<tr>
<td>28.</td>
<td>![Superscript Character Icon]</td>
<td>To superscript character</td>
</tr>
<tr>
<td>29.</td>
<td>![Symbol or Custom Character Icon]</td>
<td>To insert certain symbol / custom character</td>
</tr>
</tbody>
</table>

### 4. Upload Image Files

1. Click Images to upload image files in article/news
2. Click Browse button to upload image files.

3. Choose the image files and click open button.

4. Click Start Upload button.
5. Choose image file to insert and click insert button.

6. Click save button to save the image and text in article.
5. Change Profile

A publisher can change his own profile, such as Name, Password, E-mail, except username. Username can be changed by publisher.

1. Click Your Details under User Menu to change profile.

2. Type or edit the data in the text box.

6. Logout from publisher page

Click Log Out to logout from publisher page.

Click Log Out button to logout from publisher page.
CHAPTER IV
PUBLIC USER
1. Homepage of ASEAN Coal Portal

Go to the homepage at http://psdg.bgl.esdm.go.id/dbafoc/.

1. Type the URL address at browser.
2. Menu

The ASEAN Coal Portal provides link of three main menus:

a. Main menu consist of:
   - ASEAN Secretariat Homepage: http://www.aseansec.org/
   - AFOC Summary
   - AFOC Focal Point
   - Coal List
   - SITC HS Coal Code
   - Gallery

b. Coal Resources consist of:
   - Coal Resources Admin: http://webgis.psdg.bgl.esdm.go.id/dbafoc/administrator/
   - Coal Resources GIS: http://webgis.psdg.bgl.esdm.go.id/dbafoc/

c. Coal Trade consist of:
   - Coal Trade Admin: http://webgis.psdg.bgl.esdm.go.id/afoctrade/administrator/
   - Company Directory
   - Legislation
   - Export
   - Export Statistics
   - Import
   - Import Statistics
   - Production
   - Consumption
   - Supply
   - Demand
   - R&D Directory

3. ASEAN Coal Trade Output Query

3.1. Query of Company Directory

Company Directory

1. Select one ASEAN country.
2. Select related province.
4. Click Search Button.

If data is available, it will give result of the table requested.

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
<th>Product</th>
<th>Business Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT. Tambang Batubara Bukit Asam</td>
<td>Jl. Pangi No. 1 Tanjung Enim 31716, South Sumatra, Indonesia</td>
<td>62-734-451096, 451202</td>
<td>62-734-451095, 451252</td>
<td>Coal</td>
<td></td>
</tr>
</tbody>
</table>

If data is not available, it will give result information of data is not available.
3.2. Query of Legislation

Mineral Legislation

[Image of query form]

1. Select one ASEAN country.
2. Select legislation category.
3. Click Search Button.

### Indonesia Law Legislation

<table>
<thead>
<tr>
<th>Legislation Name</th>
<th>Legislation Number</th>
<th>About</th>
<th>Year</th>
<th>Download PDF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law on Mineral and Coal Mining</td>
<td>Law No. 4 Year 2009</td>
<td>Mineral and Coal Mining</td>
<td>2009</td>
<td>Download PDF</td>
</tr>
<tr>
<td>Law on Spatial Management</td>
<td>Law No. 25 Year 2007</td>
<td>Spatial Management</td>
<td>2007</td>
<td>Download PDF</td>
</tr>
</tbody>
</table>

### Table of Contents

<table>
<thead>
<tr>
<th>Panel / Article</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAB I KETENTUAN UMUM</td>
<td>1</td>
</tr>
<tr>
<td>BAB II ASAS DAN TURUN</td>
<td>2-3</td>
</tr>
<tr>
<td>BAB III PENUGASAAN MINERAL DAN BATUBARA</td>
<td>4-5</td>
</tr>
<tr>
<td>BAB IV KEWENANGAN PENGELOLAAN PERTAMBANGAN MINERAL DAN BATUBARA</td>
<td>6-8</td>
</tr>
<tr>
<td>BAB V WILAYAH PERTAMBANGAN</td>
<td>9-18</td>
</tr>
</tbody>
</table>

**LAW OF THE REPUBLIC OF INDONESIA**

**NUMBER 4 OF 2009**

**CONCERNING**

**MINERAL AND COAL MINING**

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-35</td>
</tr>
</tbody>
</table>
3.3. Query of Export

**Export**

**QUERY OF EXPORT**

1. Select one ASEAN country.
2. Select commodity type.
3. Select main commodity.
4. Click Search Button.

### Indonesia Export of Coal

<table>
<thead>
<tr>
<th>Main Commodity</th>
<th>STIC</th>
<th>HS</th>
<th>Commodity Description</th>
<th>Country of Destination</th>
<th>FOB Value</th>
<th>USD</th>
<th>Quantity</th>
<th>Unit</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Taiwan</td>
<td>4,120,745,974,746.81</td>
<td>445,617,692.00</td>
<td>15,534,501,765.00</td>
<td>Kg</td>
<td>04</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Hong Kong</td>
<td>1,990,697,264,123.70</td>
<td>151,267,092.00</td>
<td>6,005,955,011.00</td>
<td>Kg</td>
<td>04</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.18.0000</td>
<td>Other coal</td>
<td>Oman</td>
<td>217,033,366.86</td>
<td>23,470.00</td>
<td>92,318.00</td>
<td>Kg</td>
<td>2000</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.15.0000</td>
<td>Other coal</td>
<td>Bahrain</td>
<td>500,221,685.00</td>
<td>54,094.00</td>
<td>196,549.00</td>
<td>Kg</td>
<td>2000</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Portugal</td>
<td>15,087,887,784.48</td>
<td>1,631,605.00</td>
<td>70,026.00</td>
<td>Kg</td>
<td>2000</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>South Korea</td>
<td>847,292,573,506.40</td>
<td>1,024,420.00</td>
<td>4,824,855.000.00</td>
<td>Kg</td>
<td>2000</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Japan</td>
<td>5,024,194,903,476.74</td>
<td>327,056,000.00</td>
<td>13,101,992,457.00</td>
<td>Kg</td>
<td>2000</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Bangladesh</td>
<td>14,207,261,216.84</td>
<td>1,547,180.00</td>
<td>80,327,779.00</td>
<td>Kg</td>
<td>2000</td>
</tr>
<tr>
<td>Coal</td>
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<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Slovenia</td>
<td>105,720,624,162.91</td>
<td>11,432,634.00</td>
<td>567,023,000.00</td>
<td>Kg</td>
<td>2000</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Argentina</td>
<td>8,083,981,197.87</td>
<td>874,200.00</td>
<td>46,500,000.000.00</td>
<td>Kg</td>
<td>2000</td>
</tr>
</tbody>
</table>

**Indonesia Export of Coal**

![Graph showing Indonesia Export of Coal from 2004 to 2010](image-url)
3.4. Query of Export Statistics

Export Statistics

1. Select commodity type.
2. Select main commodity.
3. Select year of export.
4. Click Search Button.

Indonesia Export of Coal in 2007

<table>
<thead>
<tr>
<th>Exporter Country</th>
<th>STC</th>
<th>HS</th>
<th>Commodity Description</th>
<th>Country of Destination</th>
<th>FOB Value Local (Rupiah - IDR)</th>
<th>FOB Value USD</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indonesia</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Cambodia</td>
<td>22,118,187,598.02</td>
<td>2,191,862.00</td>
<td>33,855,054.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Malaysia</td>
<td>648,217,598.855.02</td>
<td>70,098.286.00</td>
<td>2,357,278.187.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Malaysia</td>
<td>2,173,727,351.024.94</td>
<td>225,066.992.00</td>
<td>7,120,211.899.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Philippines</td>
<td>1,407,203,255.148.90</td>
<td>155,419.237.00</td>
<td>4,252,282.238.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Singapore</td>
<td>4,345,618,065.17</td>
<td>469,957.00</td>
<td>10,500,921.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Thailand</td>
<td>1,121,121,356,512.43</td>
<td>121,299.227.00</td>
<td>4,252,146.289.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Thailand</td>
<td>2,160,980,187,048.95</td>
<td>233,688.514.00</td>
<td>7,342,111.888.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Viet Nam</td>
<td>26,478,921,505.58</td>
<td>2,883,432.00</td>
<td>110,132.000.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>Viet Nam</td>
<td>141,470,669,946.69</td>
<td>15,299,511.00</td>
<td>493,754,935.00</td>
<td>Kg</td>
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</tbody>
</table>

Indonesia Export of Coal to ASEAN Country in 2007

ASEAN Export of Coal in 2007

<table>
<thead>
<tr>
<th>Country</th>
<th>FOB Value (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indonesia</td>
<td>3,517,805.96</td>
</tr>
<tr>
<td>Malaysia</td>
<td>6,588,299,537.00</td>
</tr>
<tr>
<td>Singapore</td>
<td>7,006,600,000.00</td>
</tr>
<tr>
<td>Brunei</td>
<td>1,400,000,000.00</td>
</tr>
<tr>
<td>Philippines</td>
<td>2,000,000,000.00</td>
</tr>
<tr>
<td>Thailand</td>
<td>2,000,000,000.00</td>
</tr>
<tr>
<td>Laos</td>
<td>2,000,000,000.00</td>
</tr>
<tr>
<td>Cambodia</td>
<td>2,000,000,000.00</td>
</tr>
<tr>
<td>Viet Nam</td>
<td>2,000,000,000.00</td>
</tr>
<tr>
<td>Myanmar</td>
<td>2,000,000,000.00</td>
</tr>
</tbody>
</table>
3.5. Query of Import

1. Select one ASEAN country.
2. Select commodity type.
3. Select main commodity.
4. Click Search Button.

Indonesia Import of Coal

<table>
<thead>
<tr>
<th>Main Commodity</th>
<th>SITC</th>
<th>HS</th>
<th>Commodity Description</th>
<th>Country of origin</th>
<th>CIF Value (Rupiah - IDR)</th>
<th>USD</th>
<th>Quantity</th>
<th>Unit</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Taiwan</td>
<td>7,120,335.93</td>
<td>770.0</td>
<td>554.00</td>
<td>Kg</td>
<td>2001</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>France</td>
<td>251,525,574.42</td>
<td>27,200.0</td>
<td>18,000.00</td>
<td>Kg</td>
<td>2001</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Japan</td>
<td>3,028,759,010.70</td>
<td>327,528.00</td>
<td>517,416.00</td>
<td>Kg</td>
<td>2001</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>United States</td>
<td>16,228,954.36</td>
<td>1,755.0</td>
<td>107.00</td>
<td>Kg</td>
<td>2001</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>China</td>
<td>252,561,368.37</td>
<td>27,312.00</td>
<td>46,522.00</td>
<td>Kg</td>
<td>2001</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Italy</td>
<td>86,023,026,304.40</td>
<td>9,302,751.05</td>
<td>1,085.00</td>
<td>Kg</td>
<td>2001</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>United Kingdom</td>
<td>4,328,793.33</td>
<td>533.00</td>
<td>500.00</td>
<td>Kg</td>
<td>2002</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>China</td>
<td>97,411,216.37</td>
<td>62,223.00</td>
<td>114,500.00</td>
<td>Kg</td>
<td>2002</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Australia</td>
<td>20,584,417.33</td>
<td>2,226.00</td>
<td>220.00</td>
<td>Kg</td>
<td>2002</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>United States</td>
<td>194,553,259.71</td>
<td>21,039.00</td>
<td>240.00</td>
<td>Kg</td>
<td>2002</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Hong Kong</td>
<td>1,756,228.05</td>
<td>191.00</td>
<td>32.00</td>
<td>Kg</td>
<td>2002</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Taiwan</td>
<td>44,987,856.10</td>
<td>4,865.00</td>
<td>4,090.00</td>
<td>Kg</td>
<td>2002</td>
</tr>
<tr>
<td>Coal</td>
<td>321-220-000</td>
<td>2701.19.0000</td>
<td>Other coal</td>
<td>Japan</td>
<td>1,129,505,114.19</td>
<td>122,188.00</td>
<td>183,763.00</td>
<td>Kg</td>
<td>2002</td>
</tr>
<tr>
<td>Coal</td>
<td>321-210-000</td>
<td>2701.12.0000</td>
<td>Bituminous coal</td>
<td>India</td>
<td>199,957,367.79</td>
<td>20,542.00</td>
<td>40,280.00</td>
<td>Kg</td>
<td>2002</td>
</tr>
</tbody>
</table>
3.6. Query of Import Statistics

1. Select commodity type.
2. Select main commodity.
3. Select year of import.
4. Click Search Button.

### Indonesia Import of Coal in 2009

<table>
<thead>
<tr>
<th>Import Country</th>
<th>SITC</th>
<th>HS</th>
<th>Commodity Description</th>
<th>Country of origin</th>
<th>CIF Value (Local IDR)</th>
<th>CIF Value (USD)</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indonesia</td>
<td>021</td>
<td>220-000</td>
<td>Other coal</td>
<td>Singapore</td>
<td>3,336,263.55</td>
<td>361.00</td>
<td>82.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>021</td>
<td>220-000</td>
<td>Other coal</td>
<td>Australia</td>
<td>3,336,263.55</td>
<td>361.00</td>
<td>82.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>021</td>
<td>220-000</td>
<td>Other coal</td>
<td>China</td>
<td>3,336,263.55</td>
<td>361.00</td>
<td>82.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>021</td>
<td>210-000</td>
<td>Bituminous coal</td>
<td>China</td>
<td>3,336,263.55</td>
<td>361.00</td>
<td>82.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>021</td>
<td>210-000</td>
<td>Bituminous coal</td>
<td>India</td>
<td>3,336,263.55</td>
<td>361.00</td>
<td>82.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>021</td>
<td>210-000</td>
<td>Bituminous coal</td>
<td>Japan</td>
<td>3,336,263.55</td>
<td>361.00</td>
<td>82.00</td>
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<tr>
<td>Indonesia</td>
<td>021</td>
<td>220-000</td>
<td>Other coal</td>
<td>Japan</td>
<td>3,336,263.55</td>
<td>361.00</td>
<td>82.00</td>
<td>Kg</td>
</tr>
<tr>
<td>Indonesia</td>
<td>021</td>
<td>210-000</td>
<td>Bituminous coal</td>
<td>Taiwan</td>
<td>3,336,263.55</td>
<td>361.00</td>
<td>82.00</td>
<td>Kg</td>
</tr>
</tbody>
</table>

### ASEAN Import of Coal in 2009

- Indonesia: $5,091,844.00
- Malaysia: $3,504,240.00
- Singapore: $2,047,054.00
- Vietnam: $2,047,054.00
- Brunei: $2,047,054.00
- Philippines: $2,047,054.00
- Thailand: $2,047,054.00
- Laos: $2,047,054.00
- Cambodia: $2,047,054.00
- Myanmar: $2,047,054.00
3.7. Query of Production

1. Select one ASEAN country.
2. Select commodity type.
3. Select commodity name.
4. Click Search Button.

### Indonesia Production of Coal

<table>
<thead>
<tr>
<th>Commodity Name</th>
<th>Year</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
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<td>2000</td>
<td>84,806,684.00</td>
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</tr>
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<td>Coal</td>
<td>2001</td>
<td>82,673,056.00</td>
<td>Tonnes/Metric Ton</td>
</tr>
<tr>
<td>Coal</td>
<td>2002</td>
<td>104,207,825.00</td>
<td>Tonnes/Metric Ton</td>
</tr>
<tr>
<td>Coal</td>
<td>2003</td>
<td>112,667,388.24</td>
<td>Tonnes/Metric Ton</td>
</tr>
<tr>
<td>Coal</td>
<td>2004</td>
<td>129,156,475.79</td>
<td>Tonnes/Metric Ton</td>
</tr>
<tr>
<td>Coal</td>
<td>2005</td>
<td>151,840,284.71</td>
<td>Tonnes/Metric Ton</td>
</tr>
<tr>
<td>Coal</td>
<td>2006</td>
<td>179,526,722.73</td>
<td>Tonnes/Metric Ton</td>
</tr>
<tr>
<td>Coal</td>
<td>2007</td>
<td>178,790,755.68</td>
<td>Tonnes/Metric Ton</td>
</tr>
<tr>
<td>Coal</td>
<td>2008</td>
<td>120,663,068.44</td>
<td>Tonnes/Metric Ton</td>
</tr>
<tr>
<td>Coal</td>
<td>2009</td>
<td>208,006,261.24</td>
<td>Tonnes/Metric Ton</td>
</tr>
</tbody>
</table>
3.8. Query of Consumption

Consumption

1. Select one ASEAN country.
2. Select commodity type.
3. Select commodity name.
4. Click Search Button.

Data is Not Available

3.9. Query of Supply

Supply

1. Select one ASEAN country.
2. Select commodity type.
3. Select commodity name.
4. Click Search Button.

Data is Not Available
3.10. Query of Demand

Demand

1. Select one ASEAN country.
2. Select commodity type.
3. Select commodity name.
4. Click Search Button.

3.11. Query of R&D Directory

R&D Directory

1. Select one ASEAN country.
2. Select related province.
3. Select R&D Category.
4. Click Search Button.
3.12. Query of Production Statistics

1. Select commodity type.
2. Select commodity name.
3. Select year of production.
4. Click Search Button.
4. Photo Gallery

Gallery