



# Tutorial on Ship Emission Data Entry

Revised: 14<sup>th</sup> December 2017

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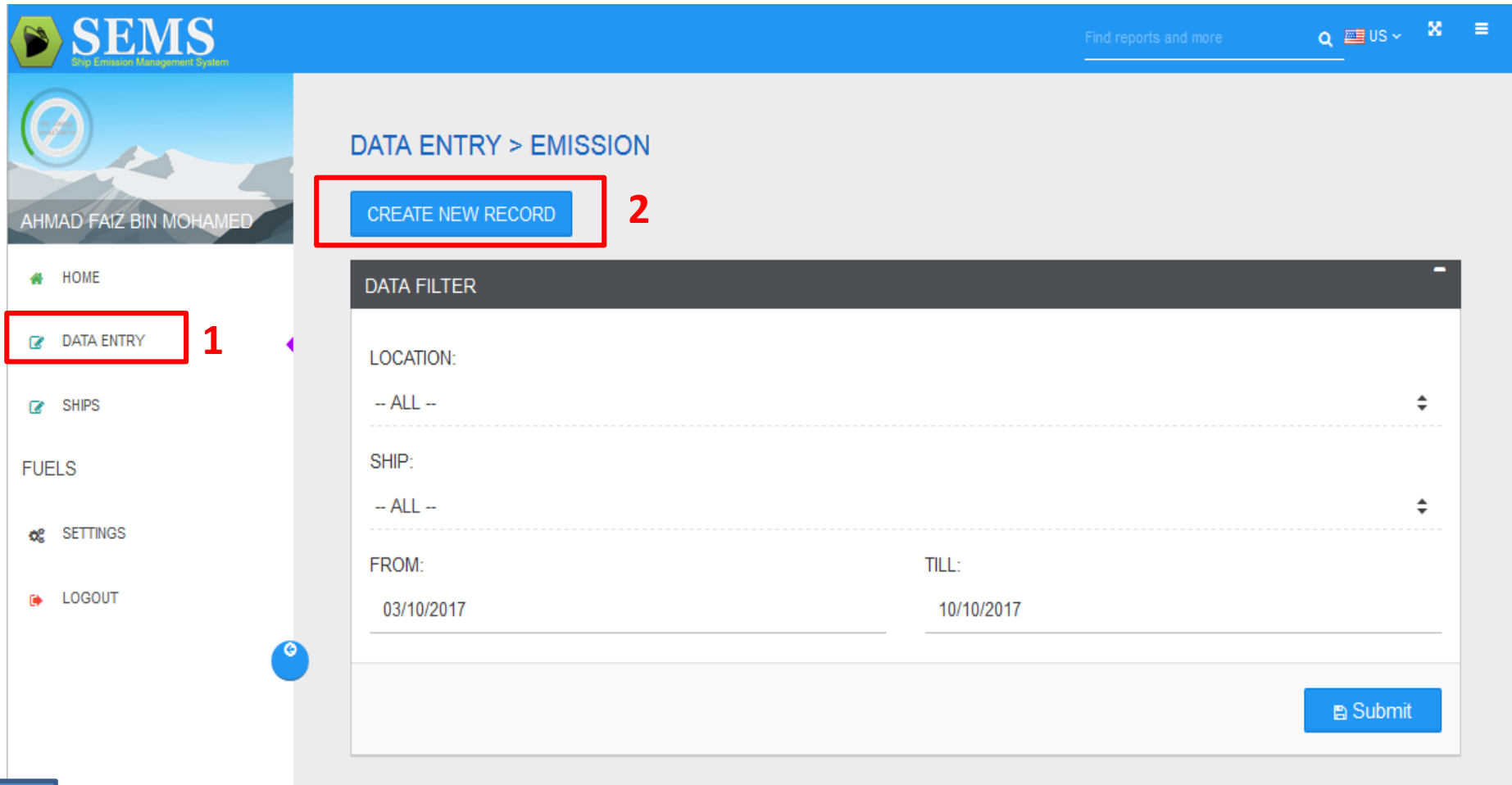
## Tutorial

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# Creating Ship Emissions Record



- Select “**DATA ENTRY**” module. Then, select “**CREATE NEW RECORD**” button to insert data-entry for the ship(s).



**SEMS**  
Ship Emission Management System

Find reports and more    

**DATA ENTRY > EMISSION**

**CREATE NEW RECORD** 2

**DATA FILTER**

LOCATION:  
-- ALL --

SHIP:  
-- ALL --

FROM: 03/10/2017 TILL: 10/10/2017

**Submit**

HOME

**DATA ENTRY** 1

SHIPS

FUELS

SETTINGS

LOGOUT

- Next, select the information of: 1) **“Date”**, 2) **“Location”**, 3) **“Ship”**. Once selected, the **“Call Sign”** and the **“Ship Type”** will be generated automatically.

NEW RECORD

Date:  
14/12/2017

Location:  
ATT TANJUNG BIN SDN BHD

Ship:  
AAL BANGKOK - 9V9014

Call Sign:  
9V9014 - AAL BANGKOK

Ship Type:  
CARGO

Show vessel details?

[\\*\\*Go to the SHIPS page for engine information adding or adding](#)

Show vessel details?

Go to the SHIPS page for engine information adding or editing

- Agents can click the “**Show vessel details?**” to view the selected ship information (default).

### Machinery Overview

MAXIMUM SPEED (KNOTS):	16.00
SERVICE SPEED (KNOTS):	12.00
TOP ENGINE (RPM):	0.00
DEADWEIGHT (T):	18703.00
TEU (for container only):	0.00

- Agents can also edit the information of the ships by clicking the “**Go to the SHIPs page for engine information adding or editing**”.

### Main Engine Specifications

Total Installed Engine Power:	8730.00
Engine Type:	MSD

### Auxiliary Engine Specification

No. of Auxiliary Engine	TOTAL AUXILIARY ENGINE POWER USED (KWV)
Auxiliary Engine 1 (KWV):	1000.00
Auxiliary Engine 2 (KWV):	1000.00
Auxiliary Engine 3 (KWV):	1000.00
Auxiliary Engine 4 (KWV):	1000.00
Auxiliary Engine 5 (KWV):	1000.00
Auxiliary Engine 6 (KWV):	1000.00

- In this page, agents can view and select the relevant ship name and information by clicking its corresponding **“Machinery & Engine Info”**
- If the default ship information is not match with the current operating information, **PLEASE CONTACT ADMIN** to make the necessarily changes.

DATA SHEET						
ID	NAME	CALL SIGN	IMO	TYPE	FLAG	
1	MOL HOPE	9V5265	9629160	CONTAINER	SG	<a href="#">Machinery &amp; Engine Info</a>
4	PAC AQUARIUS	H9SG	9238882	6		<a href="#">Machinery &amp; Engine Info</a>
6	KOTA LAMBANG	9VFX9	9351036	8	SG	<a href="#">Machinery &amp; Engine Info</a>
7	OCEAN GURNARD		-	1		<a href="#">Machinery &amp; Engine Info</a>
9	ATLANTICA I	HPVA	-	1		<a href="#">Machinery &amp; Engine Info</a>
10	TUG GREENVILLE 168	9V5303	-	9		<a href="#">Machinery &amp; Engine Info</a>
11	PUTRA PACHOL		-	3		<a href="#">Machinery &amp; Engine Info</a>
12	GRANDE SICILIA	ICCQ	9312092	4		<a href="#">Machinery &amp; Engine Info</a>
13	TAI SHAN	3FBX9	9174646	1		<a href="#">Machinery &amp; Engine Info</a>
14	ASASHIO MARU	JLVH	9168439	30		<a href="#">Machinery &amp; Engine Info</a>

Showing 1 to 10 of 45,844 entries

Previous 1 2 3 4 5 ... 4585 Next

\*\*Please contact Administrator for ship information adding or editing.

- Agents can view and edit ship information of: Speed, Weight, Main and Auxiliary engines power. Once finish editing, please click **“Submit”**

**Machinery Overview**

MAXIMUM SPEED (KNOTS)  
18.00

SERVICE SPEED (KNOTS)  
12.00

TOP ENGINE (RPM)  
0.00

DEADWEIGHT (T)  
0.00

TEU (for container only)  
0.00

[Edit](#)

**Auxiliary Engine Specification**

Auxiliary Engine 1 (KW)  
1000.00

Auxiliary Engine 2 (KW)  
1000.00

Auxiliary Engine 3 (KW)  
1000.00

Auxiliary Engine 4 (KW)  
1000.00

Auxiliary Engine 5 (KW)  
1000.00

Auxiliary Engine 6 (KW)  
1000.00

[Edit](#)

**Main Engine Specifications**

Total Installed Engine Power  
5000.00

Engine Type  
MSD

[Edit](#)



- At the lower section of the “**ENTRY DATA**”, click the “**ADD ENGINE ANCHORAGE**” to select any engines (main, auxiliary and boiler engine) that are operating at anchorage mode. Same goes for berthing, at wharf and un-berthing modes.
- Finally click “**Submit**”

## Anchorage

Add Engine Anchorage

Engine Part	Type of Fuel Used ONLY in Port Area	Emission Power (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (Hours)	Duration (Minutes)
-------------	-------------------------------------	---------------------	-----------------------	---------------------------------------	------------------	--------------------

## Berthing

Add Engine Berthing

Engine Part	Type of Fuel Used ONLY in Port Area	Emission Power (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (Hours)	Duration (Minutes)
-------------	-------------------------------------	---------------------	-----------------------	---------------------------------------	------------------	--------------------

## At Wharf

Add Engine At Wharf

Engine Part	Type of Fuel Used ONLY in Port Area	Emission Power (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (Hours)	Duration (Minutes)
-------------	-------------------------------------	---------------------	-----------------------	---------------------------------------	------------------	--------------------

## Un-Berthing

Add Engine Un-Berthing

Engine Part	Type of Fuel Used ONLY in Port Area	Emission Power (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (Hours)	Duration (Minutes)
-------------	-------------------------------------	---------------------	-----------------------	---------------------------------------	------------------	--------------------

\*\*Please contact Administrator for fuel information adding or editing.

Cancel

Submit

- \*Noted that each “**ADD ENGINE MODE**” can be inserted more than once
- In another words, multiple data-entry of the operating engine parts at each activity modes (anchorage, berthing, at wharf, and un-berthing) can be inserted by clicking the ““**ADD ENGINE MODE**” button.

### Berthing

Add Engine Berthing

Engine Part	Type of Fuel Used ONLY in Port Area	Emission Power (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (Hours)	Duration (Minutes)	
Main ▾	Residual Oil ▾	<input type="text"/>	<input type="text"/> <small>This field is required.</small>	<input type="text"/>	<input type="text"/> <small>This field is required.</small>	<input type="text"/> <small>This field is required.</small>	X
Auxiliary ▾	Residual Oil ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
Boiler ▾	Residual Oil ▾	<input type="text"/>	<input type="text"/> <small>This field is required.</small>	<input type="text"/> <small>This field is required.</small>	<input type="text"/>	<input type="text"/>	X

Users are required to insert the information of :

- 1) type of engine (boiler engine, auxiliary engine, main engine),
- 2) Power used (for auxiliary only),
- 3) Sulphur content (boiler engine, auxiliary engine, main engine),
- 4) Fuel consumption (for boiler only),
- 5) duration used on the selected activity mode (for auxiliary and main engine only).

- Existing available type of fuels in the database are :
  - 1) Residual Oil (RO),
  - 2) Marine Diesel Oil (MDO), and
  - 3) Marine Gas Oil (MGO).
- Agents cannot edit or add new fuels. If the ships are using fuels other than these 3 type of fuels (RO, MDO and MGO), such as biofuel, **PLEASE CONTACT ADMIN**.
- To sum up, apart from unable to edit/add information regarding **fuels**, agents also cannot edit/add information regarding **(new) ship machinery details**. Agents can only edit information regarding **(existing) ship machinery**.



## Viewing Emission Results

- Once the record has been created, agents can view their own created ship emission records.
- The most important input to view own ship emission is the **DATE**.
- Once the **DATE** has been inserted, agents can click the “**View**” icon.

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CREATE NEW RECORD

DATA FILTER

LOCATION:  
-- ALL --

SHIP:  
-- ALL --

FROM: 01/07/2017      TILL: 10/10/2017

Submit

EMISSION (TONNE)      TABLE SHEET      MAIN ENGINE      AUXILIARY      BOILER      TOTAL

Show 10 entries

Copy   CSV   Excel   PDF   Print

ID	DATE	LOCATION	SHIP	CALL SIGN	SHIP TYPE	
220	18/09/2017	ATT TANJUNG BIN SDN BHD	AAL BANGKOK	9V9014	CARGO	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">View</a>
223	21/09/2017	ATT TANJUNG BIN SDN BHD	AAL BANGKOK	9V9014	CARGO	<a href="#">Edit</a> <a href="#">Delete</a> <a href="#">View</a>

# Tutorial



- Date: **19/11/2017 (any date)**
- Location: **JOHOR PORT**
- Ship: **CAPE MAGNUS**
- Ship Main Engine Installed Power: **21770 kW (CAPE MAGNUS default engine install power)**



### Berthing

Engine Part	Type of Fuel Used ONLY in Port Area	Power Used (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (hour)	Duration (minute)
Main Engine	Residual Oil	-	3.3	-	2	0
Auxiliary Engine	Residual Oil	600	3.3	-	2	0
Boiler Engine	Residual Oil	-	3.3	1.1	-	-

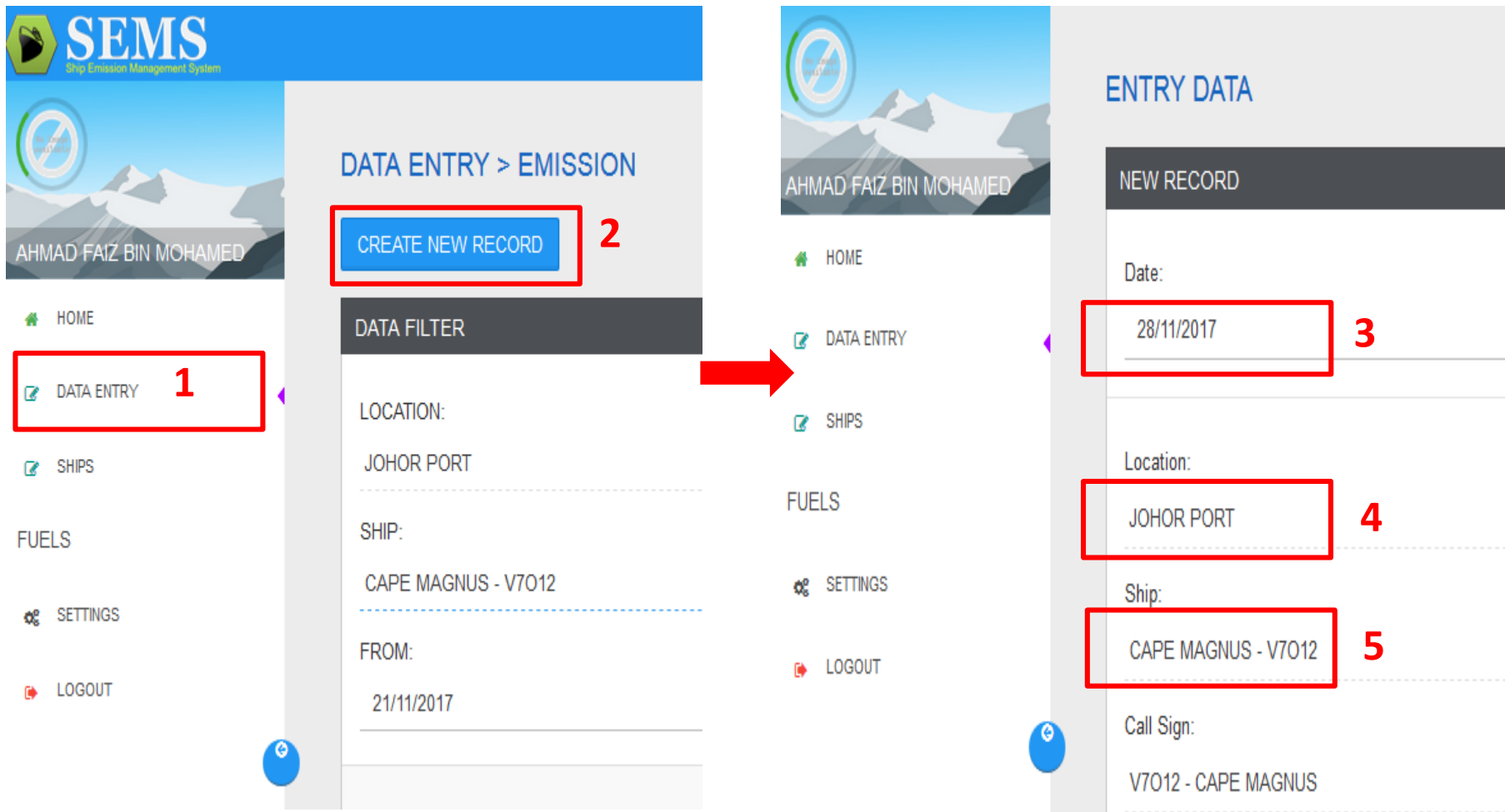
### At Wharf

Engine Part	Type of Fuel Used ONLY in Port Area	Power Used (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (hour)	Duration (minute)
Auxiliary Engine	Residual Oil	700	3.3	-	29	0
Boiler Engine	Residual Oil	-	3.3	3.9	-	-

### Un-Berthing

Engine Part	Type of Fuel Used ONLY in Port Area	Power Used (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (hour)	Duration (minute)
Main Engine	Residual Oil	-	3.3	-	2	0
Auxiliary Engine	Residual Oil	600	3.3	-	2	0
Boiler Engine	Residual Oil	-	3.3	2.7	-	-

Follow the steps to insert basic ship and location information.



**SEMS**  
Ship Emission Management System

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**DATA ENTRY > EMISSION**

**CREATE NEW RECORD** 2

DATA FILTER

LOCATION:  
JOHOR PORT

SHIP:  
CAPE MAGNUS - V7012

FROM:  
21/11/2017

**ENTRY DATA**

NEW RECORD

Date:  
28/11/2017 3

Location:  
JOHOR PORT 4

Ship:  
CAPE MAGNUS - V7012 5

Call Sign:  
V7012 - CAPE MAGNUS



Follow the steps to insert the engines information at berthing mode.

1. Click “Add Engine Berthing” 3 times to insert 3 different engine type (main, auxiliary and boiler engines).
- 2-8. Insert the engine information according the information at slide page 12.

Berthing **1**

Add Engine Berthing

Engine Part	Type of Fuel Used ONLY in Port Area	Emission Power (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (Hours)	Duration (Minutes)	
Main	Residual Oil		3.3		2	0	X
Auxiliary	Residual Oil	600	3.3		2	0	X
Boiler	Residual Oil		3.3	1.1			X

2      3      4      5      6      7      8

Follow the steps to insert the engines information at berthing mode.

1. Click “Add-Engine-At Wharf” 2 times to insert 2 different engine type (auxiliary and boiler engines).
- 2-8. Insert the engine information according the information at slide page 12.

At Wharf

**1**

Add Engine At Wharf

Engine Part	Type of Fuel Used ONLY in Port Area	Emission Power (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (Hours)	Duration (Minutes)	
Auxiliary	Residual Oil	700	3.3		29	0	X
Boiler	Residual Oil		3.3	3.9			X

2
3
4
5
6
7
8

Follow the steps to insert the engines information at berthing mode.

1. Click “Add Engine Un-Berthing” 3 times to insert 3 different engine type (main, auxiliary and boiler engines).
- 2-8. Insert the engine information according the information at slide page 12.

Lastly, click “Submit” to create the ship emissions record. Then, to view the created records, please refer to page 8.

## Un-Berthing 1

Add Engine Un-Berthing

Engine Part	Type of Fuel Used ONLY in Port Area	Emission Power (kW)	Sulphur Content (% S)	Fuel Consumption in Port Area (tonne)	Duration (Hours)	Duration (Minutes)	
Main	Residual Oil		3.3		2	0	X
Auxiliary	Residual Oil	600	3.3		2	0	X
Boiler	Residual Oil		3.3	2.7			X

2      3      4      5      6      7      8

9 Submit