



**DEPARTMENT OF ENVIRONMENT MALAYSIA**

**ONLINE  
APPLICATION GUIDELINE**

**TYPE APPROVAL FOR MOTORCYCLES  
NOISE AND EXHAUST EMISSIONS**

<http://vta.doe.gov.my>

## 1. INTRODUCTION

DOE VTA Online Application System is an application for noise and gas emission certificates through online and digital. Applicant shall be able to submit their application forms and receive results through online. All the notification and confirmation of the applications are through email. The approval certificate will be sent through online to the applicant and National VTA Secretariat once it is approved.

## 2. OBJECTIVE

- i) Speed up the review and approval process;
- ii) Promote paperless environment;
- iii) To automate the process of application;
- iv) To improve the administrative efficiency;
- v) Expedite the approval information delivery to the National VTA Secretariat (RTD);
- vi) Improve the confidentiality of information; and
- vii) Simplified the process of record keeping.

## 3. SYSTEM ACCESS

The system can be accessed through the <http://vta.doe.gov.my> by using the Mozilla Firefox version 25.0, Google Chrome and Internet Explorer version 10, or the latest version of those browser.

## 4. CATEGORIES OF USERS

There are three (3) categories of users. Each category of users has different functions:

- i) **Applicant:-**
  - a) Submit the personal or company information;
  - b) Vehicle information; and
  - c) Test report information.

**ii) DOE Officer:-**

- a) Process and review applications form; and
- b) Approve and issue of certificates.

**iii) National VTA Secretariat:-**

- a) Received certificate through the system.

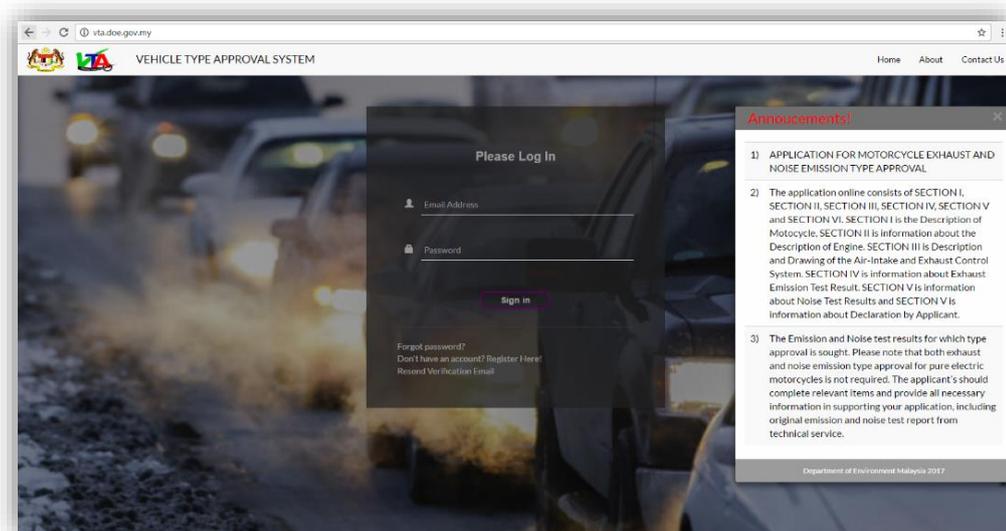
**5. USER ID AND PASSWORD**

Users with the security level of “User” will only be able to access to their own profile and applications information. Access to application is strictly limited to the person that creates the user ID and authorized staff from the company.

# VEHICLE TYPE APPROVAL (VTA) ONLINE SYSTEM USER MANUAL

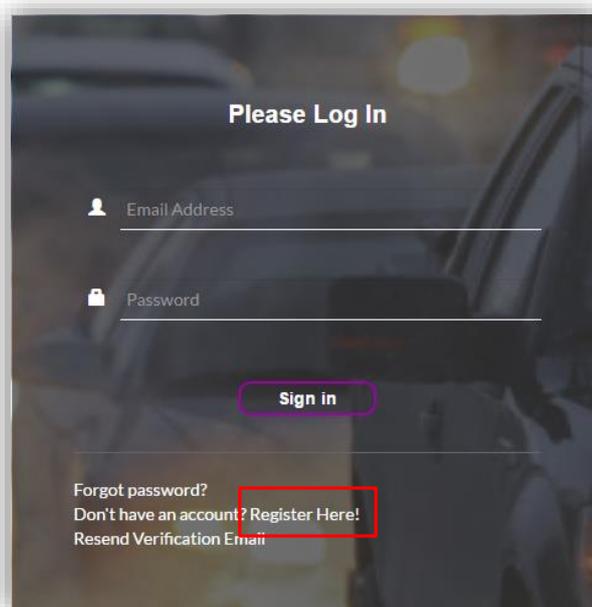
## A. GETTING STARTED

On the address bar, type <http://vta.doe.gov.my> and then press “ENTER” key from your keyboard and the main page will be displayed below.



## B. SIGNUP

Click register here tab on main page.



Fill up all required fields for registration purposes and click “sent” tab after completed all fields. All fields are mandatory.

The screenshot shows the 'NEW APPLICANT REGISTRATION' form with the following fields filled:

- Name of Applicant (an Individual or a Company):** Name of Applicant
- Address:** Address 1, Address 2, Address 3
- Country:** Please Select Country (dropdown menu)
- Contact Person Name:** Contact Person Name
- Position:** Position
- Telephone Number:** Telephone Number
- Fax Number:** Fax Number
- H/P Number:** Fax Number
- Email Address:** your\_id@example.com
- Password:** Password
- Retype Password:** Confirm Password
- Profile Picture (Optional):** Choose File (No file chosen)

The 'Sent' button is highlighted with a red box.

Error message appear if the information is not filled in or wrong format file attachment.

The screenshot shows the 'NEW APPLICANT REGISTRATION' form with error messages and the 'Profile Picture' field highlighted in a red box:

- Name of Applicant (an Individual or a Company):** Name of Applicant (Error: Name of Applicant is required)
- Address:** Address 1 (Error: Applicant Address is required), Address 2 (Error: Applicant Address is required), Address 3 (Success: ✓)
- Country:** Please Select Country (Error: Country is required)
- Contact Person Name:** Contact Person Name (Error: Contact Person Name is required)
- Position:** Position (Error: Contact Person Position is required)
- Telephone Number:** Telephone Number (Error: Telephone Number is required)
- Fax Number:** Fax Number (Error: Fax Number is required)
- H/P Number:** Fax Number (Error: H/P Number is required)
- Email Address:** your\_id@example.com (Error: Email Address is required)
- Password:** Password (Error: Password is required)
- Retype Password:** Confirm Password (Error: Confirm Password is required)
- Profile Picture (Optional):** Choose File (No file chosen) (Error: Attachment Specification : .jpeg Only less than 1MB)

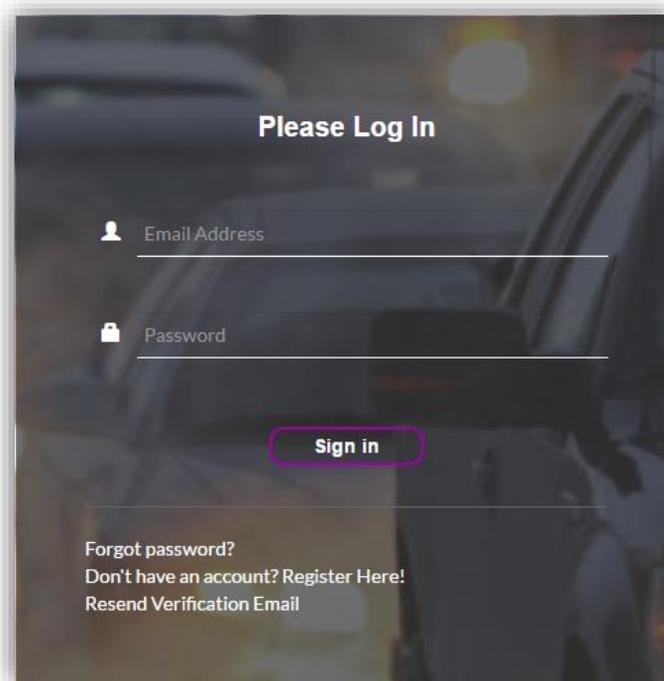
The 'Profile Picture' field is highlighted with a red box.

Profile picture (jpg format) can be either an individual picture or a company logo.

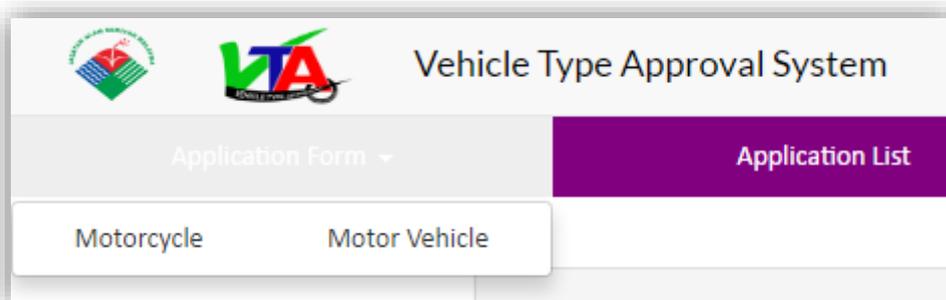
Messages will be sent to applicants through e-mail to activate the account. Click on the “Click Here” tab to activate account. “Click Here” tab no longer be used if you click a second time. Check your spam or bulk mail folder if didn't get any message from VTA Online Administrator.



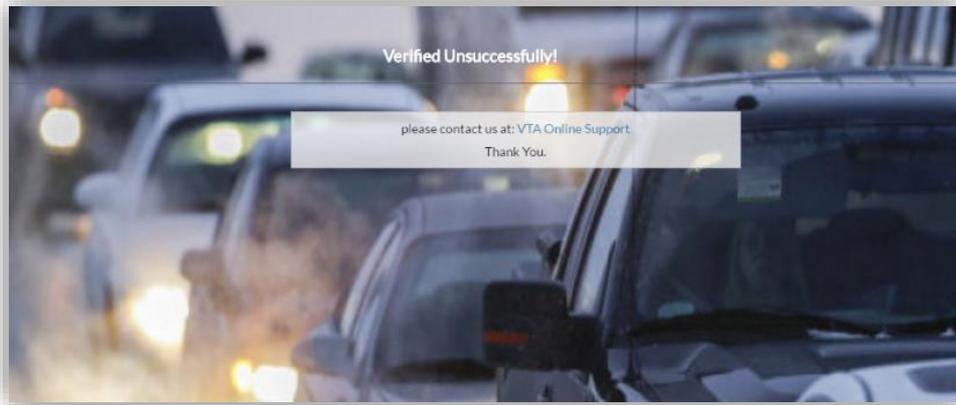
In order to start using this application, user must key in their registered email address and password and press “sign in” button to enter the system



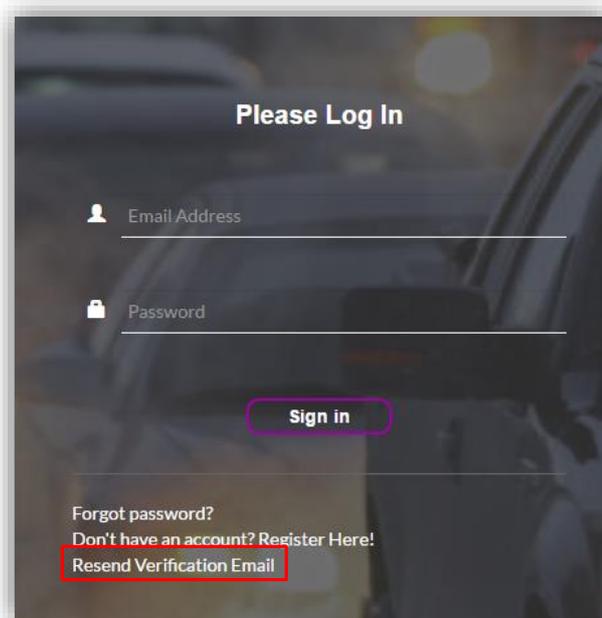
If successful, dashboard “Application List “ will be displayed



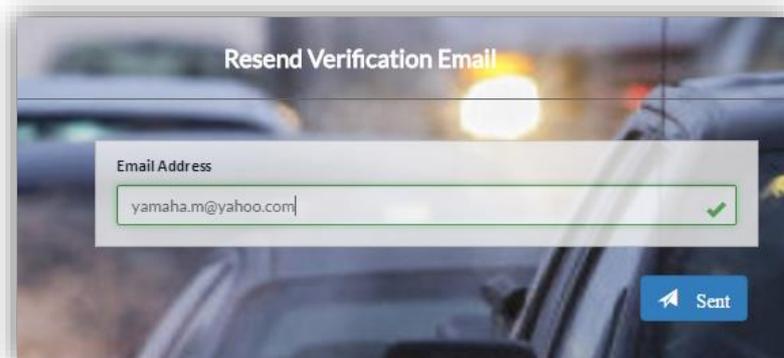
If fails, the message below will be displayed



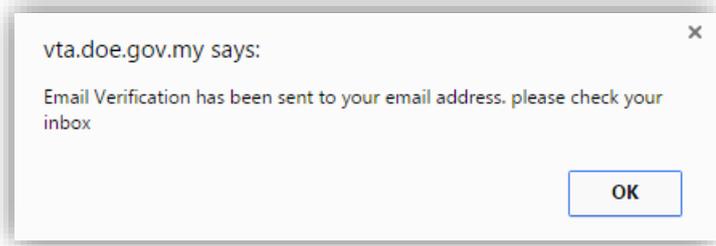
User does not receive email verification can apply for re-send verification email. Email will be sent if the activation link has not been clicked before.



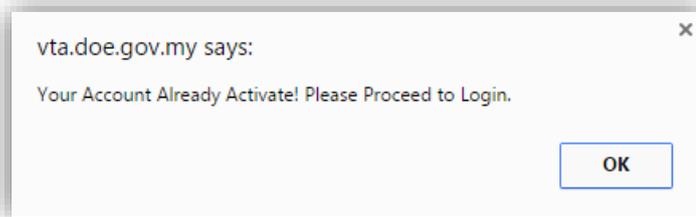
Enter the registered email address. Field will be green if the email was entered as registered



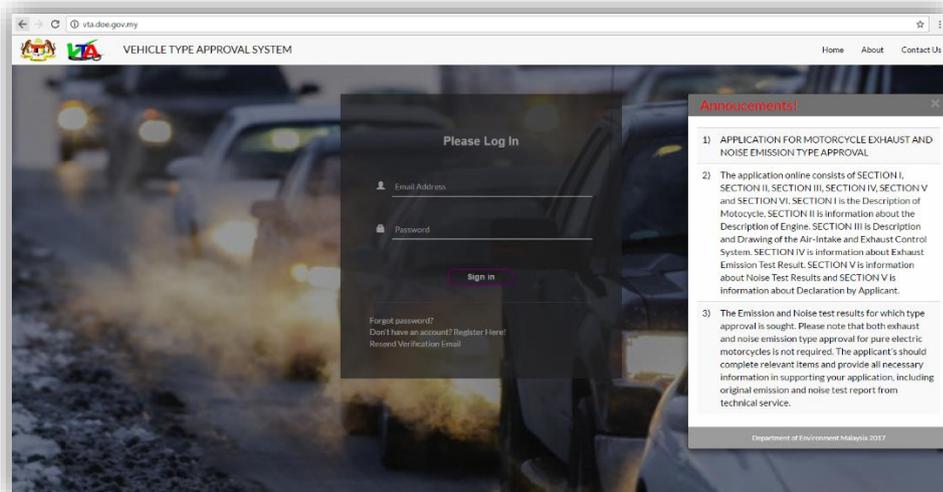
Pop-up message notifications that the system has been send a verification email to the registered email address



Pop-up message notify the account has been inactive



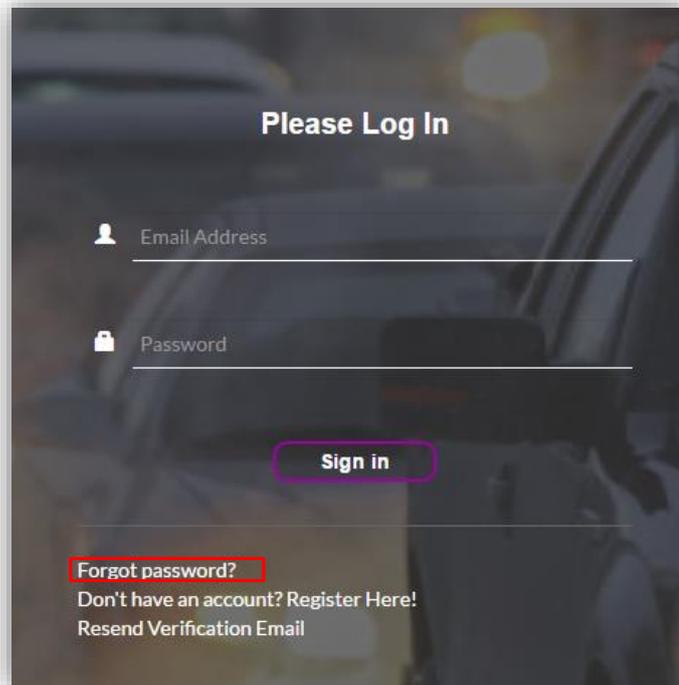
Start using this application, user must key in their registered email address and password and press "sign in" button to enter the system



## FORGOT PASSWORD

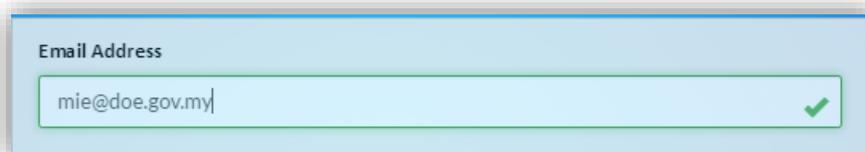
If you forgot your password and would like to reset it please follow the steps below:

Click the “Forgot Password” link and insert the registered email address to receive a temporary password.



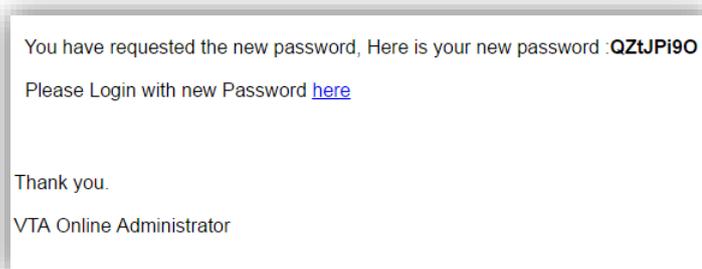
The screenshot shows a login form titled "Please Log In". It has two input fields: "Email Address" and "Password". Below the fields is a "Sign in" button. At the bottom, there are three links: "Forgot password?" (highlighted with a red box), "Don't have an account? Register Here!", and "Resend Verification Email".

Field will be green if the email was entered as registered



The screenshot shows a light blue input field labeled "Email Address". The text "mie@doe.gov.my" is entered. A green checkmark is visible on the right side of the field, indicating that the email is registered.

Applicants will receive a temporary password by email and click “here” link to login system



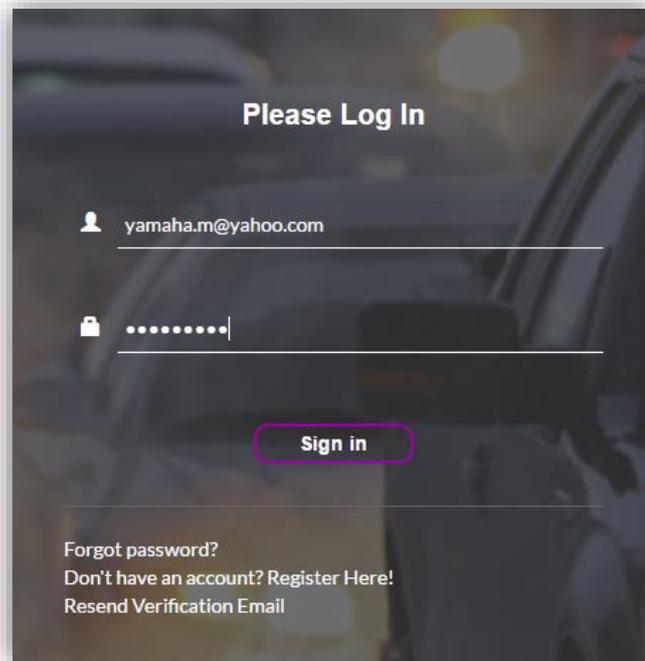
The screenshot shows an email notification with the following text:

You have requested the new password, Here is your new password :**QZtJPI90**  
Please Login with new Password [here](#)

Thank you.  
VTA Online Administrator

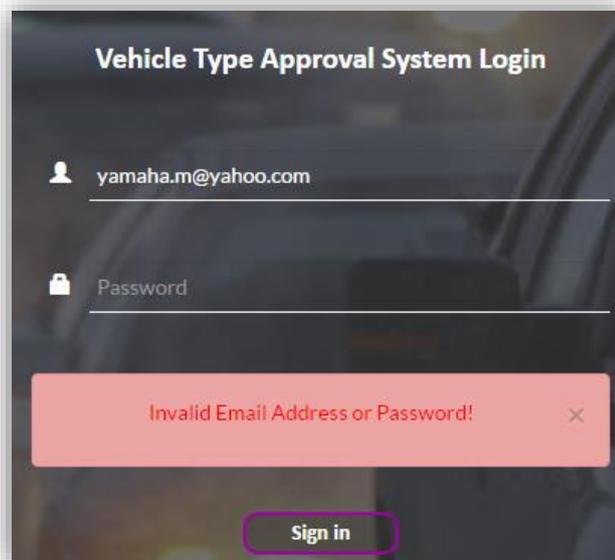
## LOGIN TO SYSTEM

- i. Enter your registered email address
- ii. Enter your registered or temporary password and click “sign in” tab



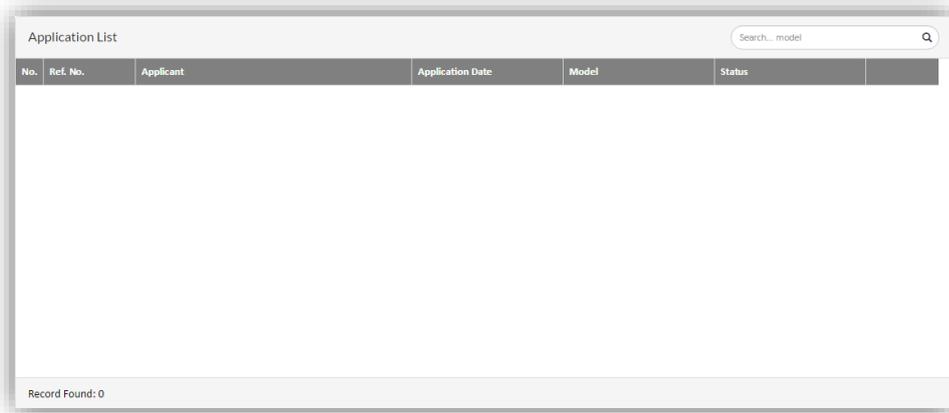
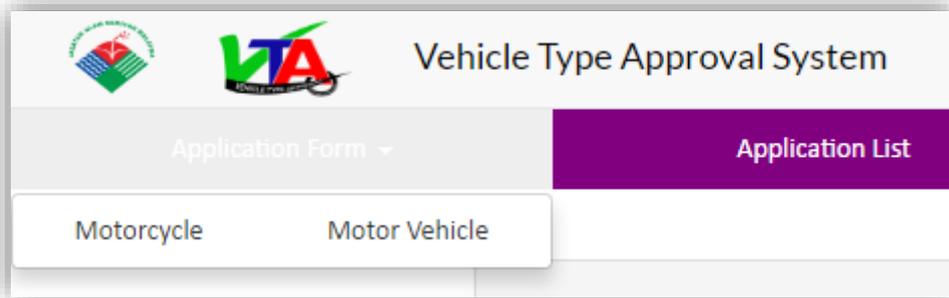
The screenshot shows a login form titled "Please Log In". It features two input fields: the first contains the email address "yamaha.m@yahoo.com" and the second contains a masked password ".....". A "Sign in" button is highlighted with a purple border. Below the form, there are three links: "Forgot password?", "Don't have an account? Register Here!", and "Resend Verification Email".

An error message will be displayed if the email or password you entered is incorrect



The screenshot shows a login form titled "Vehicle Type Approval System Login". It features two input fields: the first contains the email address "yamaha.m@yahoo.com" and the second contains the text "Password". A red error message box is displayed below the form, containing the text "Invalid Email Address or Password!" and a close button (X). A "Sign in" button is highlighted with a purple border.

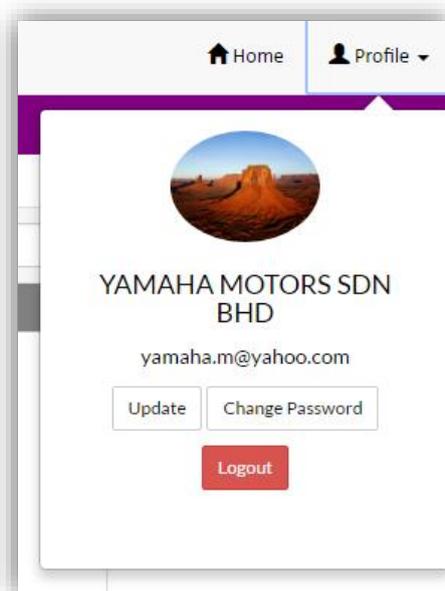
If successful, the dashboard will display a list of applications that have been created. List is empty for new users



## CHANGING THE PASSWORD

You can change your account password at any time:-

- i. Click on the “Profile” tab on the right side of the Main Menu and click “Change Password” link.



ii. Enter your registered email address

The screenshot shows a registration form with the following fields and error messages:

- Email Address:** yamaha.m@yahoo.com
- Old Password:** Old Password
- New Password:** New Password
- Retype New Password:** Confirm New Password

Below the New Password field, there are three error messages:

- ✘ Atleast 8 Characters
- ✘ Atleast One Letter
- ✘ Atleast One Number

- iii. Enter your old password.
- iv. Enter your new password.
- v. Enter your new password again for confirmation.

The screenshot shows the same registration form as above, but with success messages and green checkmarks:

- Old Password:** [masked] ✓
- New Password:** [masked] ✓
- Retype New Password:** [masked] ✓

Below the New Password field, there are three success messages:

- ✓ Atleast 8 Characters
- ✓ Atleast One Letter
- ✓ Atleast One Number

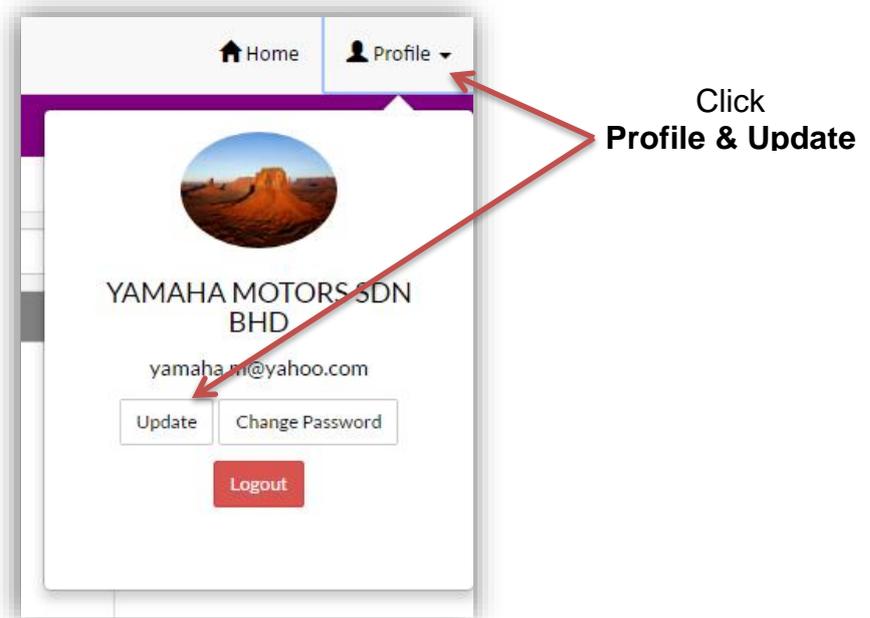
Click the “Save” button

Information is stored and returned to the dashboard display “Application List”. List is empty for new users

The screenshot shows a table titled "Application List" with a search bar and a table header. The table is currently empty.

No.	Ref. No.	Applicant	Application Date	Model	Status
Record Found: 0					

## UPDATE THE USER PROFILE



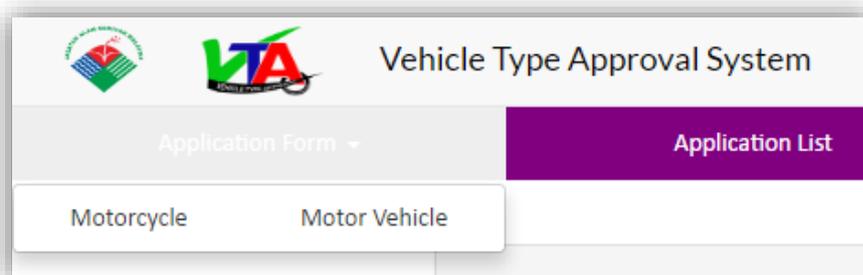
The user information displayed and change information to be updated

The 'UPDATE APPLICANT PROFILE' form contains the following fields:

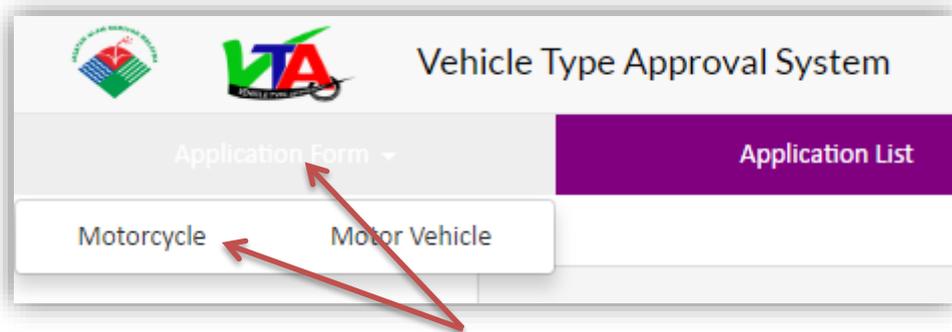
- Name of Applicant (an Individual or a Company):** YAMAHA MOTORS SDN BHD
- Address:** Kompleks HLY, Lot 57, Persiaran Rahman Putra, 47000 Sg. Buloh
- Country:** Malaysia
- State:** Selangor
- Contact Person Name:** Mr. Adam
- Position:** Manager
- Telephone Number:** 0345221822
- Fax Number:** 0345221801
- H/P Number:** 0193315233
- Email Address:** yamaha.m@yahoo.com

At the bottom right, there are 'Back' and 'Save' buttons. A 'Change Picture' button is located next to the profile picture.

Click **“Save”** button and system automatically return to the *dashboard* **“Application List”**

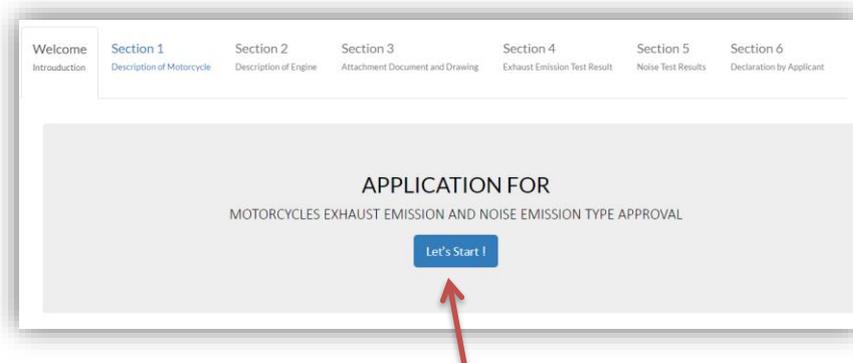


## NEW APPLICATION FOR MOTORCYCLE



Click **“Application Form”** and select **“Motorcycle”** tab

Motorcycles exhaust and noise emission type approval form displayed



Click **“Let’s Start!”** button. System automatically goes to the section 1: **“Description of Motorcycle”**.

## SUBMITTED APPLICATION

Applications must be made online and submitted electronically after all required steps have been completed. You do not need to complete the application process in one session; you can save the application file and open it with a user name and password and modify the saved (but not yet submitted) information. Scan and upload supporting documents (drawing, test reports, etc) to the system. Fully completed application forms must be sent by clicking on the **“Submit”** application button. It is recommended that you read carefully Application Documents and have all the documents you need for the application process ready before you login to the Electronic Application System. You can upload more than one document. Make sure you have uploaded the scanned documents with proper format and size (PDF or JPG document).

## SECTION 1 – DESCRIPTION OF MOTORCYCLE

Fill in all the information of motorcycles and click **“Save & Next”** button

All Information is mandatory.

Error message will be displayed if the information is not filled or wrong format file attachment. The system will not allow the applicant move to section: 2 if the information in section: 1 was not completed.

## SECTION 2 – DESCRIPTION OF ENGINE

Fill in all the information of engine and click “**Save & Next**” button

The screenshot displays the 'Section 2: Description of Engine' form. The navigation bar at the top includes: Welcome (Introduction), Section 1 (Description of Motorcycle), Section 2 (Description of Engine), Section 3 (Attachment Document and Drawing), Section 4 (Exhaust Emission Test Result), Section 5 (Noise Test Results), and Section 6 (Declaration by Applicant). The form is organized into two columns. The left column contains the following fields: 'Make' (Engine Make), 'Model/Code' (Model/Code), 'Variant' (Variant), 'Version' (Version), 'Rated Maximum Engine Power Output' (00.00 kW), 'at' (Power at rpm), 'Displacement' (00.00 cc), 'Transmission' (Transmission), 'Power-to-Mass Ratio Index (PMR)' (PMR), 'Fuel Type' (radio buttons for Diesel, Petrol, Others; Other Fuel Type), and 'Euro' (Please select). The right column contains: 'Cycle' (radio buttons for 4 Stroke, 2 Stroke, Others; Cycle Others), 'Company Name & Address same as Section 1' (checkbox), 'Company Name' (Manufacturer Name), 'Address' (Address 1, Address 2, Address 3), 'Country' (Please Select Country), 'Manufacturer's Representative' (Representative), and 'Attachment of Engine' (Choose File, No file chosen, Attachment Specification: pdf/jpg (5MB)).

All Information is mandatory. Error message will be displayed if the information is not filled in or wrong format file attachment. The system will be to section: 3 if the information in section: 2 was completed

## SECTION 3: ATTACHMENT DOCUMENT AND DRAWING

Upload all related documents and drawing (PDF or JPG format). All fields are mandatory except “Other Anti-Pollution Device”. More than one (1) document can be uploaded at each *field*. For “Noise Label Marking” field, the applicant must show a label location on a motorcycle.

Welcome Introduction

Section 1 Description of Motorcycle

Section 2 Description of Engine

**Section 3 Attachment Document and Drawing**

Section 4 Exhaust Emission Test Result

Section 5 Noise Test Results

Section 6 Declaration by Applicant

Air Intake System

Choose Files No file chosen  
you can choose multiple file at once (Only jpg and pdf file format are allow within 5M)

Exhaust Control System

Choose Files No file chosen  
you can choose multiple file at once (Only jpg and pdf file format are allow within 5M)

Description and Diagram of Motorcycle with Overall Dimensions

Choose Files No file chosen  
you can choose multiple file at once (Only jpg and pdf file format are allow within 5M)

Noise Label Marking

Choose Files No file chosen  
you can choose multiple file at once (Only jpg and pdf file format are allow within 5M)

Other Anti-Pollution Devices

Choose Files No file chosen  
you can choose multiple file at once (Only jpg and pdf file format are allow within 5M)

Click **“Save & Next”** button to save all record. The system will be to section: 4 if the information in section: 3 are completed

## SECTION 4 & 5: TEST REPORT

You must attach the test report (PDF or JPJ format) issued by the Technical Service (TS) recognized by the UN or witness by the Approval Authority (AA) or agencies recognized by the Approval Authority (AA) if the test report issued by the applicant or manufacturer to ensure that information that was declared to be correctly and accurately. All information are mandatory even one of test result have been certified from other member states ( have been “E-Mark”). The system will be goes to section: 5 if the information in section: 4 are completed.

## SECTION 4: EXHAUST EMISSION TEST RESULT

Motorcycles gaseous pollutant emission limits for new model of motorcycle will displayed after **“Save & Next”** button in Section: 3.

**Department of Environment Malaysia**  
GASEOUS POLLUTANT EMISSION LIMITS FOR NEW MODEL OF MOTORCYCLE

All motorcycle seeking first registration in Malaysia will have to comply with the requirement of the exhaust emission and noise emission standards;  
**(ON OR AFTER 1st JANUARY 2016)**

The emission of Carbon Monoxide (CO), Hydrocarbon (HC) and Nitrogen Oxides (NOx) shall not exceed the following emission limits as measured by:

- A) The European Committee (“EC”) 97/24/EC amendments 2002/51/EC Chapter 5 ANNEX II sec. 2.2.1.1.5. of 19 July 2002:
 

Category	Class	CO (g/km)	HC (g/km)	NOx (g/km)
Two Wheel	<150 cm <sup>3</sup>	2.0	0.8	0.15
	≥ 150 cm <sup>3</sup>	2.0	0.3	0.15
Three Wheel	All	7.0	1.5	0.4
- or
- B) World motorcycle emission test cycle “WMTC” under the European Committee (“EC”) 2006/72/EC of 18 August 2006:
 

Category	Class	CO (g/km)	HC (g/km)	NOx (g/km)
Two Wheel	( Vmax < 130 km/h )	2.62	0.75	0.17
	( Vmax ≥ 130 km/h )	2.62	0.33	0.22

**(ON OR AFTER 1st JANUARY 2020)**

The emission of Carbon Monoxide (CO), Hydrocarbon (HC) and Nitrogen Oxides (NOx) shall not exceed the following limits as measured under the Worldwide Harmonized Motorcycle Test Cycle (WMTC) Commission for Europe (EU) 168/2013/EU of 15 January 2013:

Category	Class	CO (g/km)	HC (g/km)	NOx (g/km)
Two or Three Wheel	(Vmax < 130 km/h)	1.14	0.38	0.07
	(Vmax ≥ 130 km/h)	1.14	0.17	0.09

Got It!

Please read carefully and then click the **“Got It!”** button to continue the process

Test report or certificates number

This information will appear on the certificate

Welcome
Section 1  
Introduction
Section 2  
Description of Motorcycle
Section 3  
Description of Engine
Section 4  
Attachment Document and Drawing
Section 5  
Exhaust Emission Test Result
Section 6  
Noise Test Results
Section 7  
Declaration by Applicant

**Test report No**

**Test Laboratory Name**

  
 Company Name & Address same as Section 1

**Test Cycle**

EC  WMTC

**Type I Test (Average Tailpipe Emissions in Congested Urban Area)**

Category	Class	CO (g/km)	HC (g/km)	NOx (g/km)
		<input type="text" value="0.000"/>	<input type="text" value="0.000"/>	<input type="text" value="0.000"/>

**Reported By**

**Address**

**Country**

**Roadworthiness Test / Type II Test**

	CO Value (% Vol.)	Engine Speed (min-1)	Engine Oil Temperature(°C)
Normal Idle Test	<input type="text" value="0.000"/>	<input type="text" value="0000"/>	<input type="text" value="00.000"/>
High Idle Test	<input type="text" value="0.000"/>	<input type="text" value="0000"/>	<input type="text" value="00.000"/>

**Attachment of Emission Test Results**

No file chosen

Attachment Specification: pdf/jpeg (5MB)

**Test / Witness**

Test  Witness

**By (Recognised Authority or Technical Service)**

Click **“Save & Next”** button to save all record. The system will be to section: 5 if the information in section: 4 are completed

Please take care and enter this information accurately. If information you enter here are incorrect, the information on your certificate will also be incorrect.

## SECTION 5: NOISE TEST RESULT

Motorcycles Noise emission limit for new model of motorcycle displayed after “**Save & Next**” button in Section: 4 is clicked by the applicant

Department of Environment Malaysia

All motorcycle seeking first registration in Malaysia will have to comply with the requirement of the exhaust emission and noise emission standards;

**NOISE EMISSION LIMITS FOR NEW MODEL OF MOTORCYCLE WITH TWO-WHEELED**  
(ON OR AFTER 1<sup>st</sup> JANUARY 2016)  
UNITED NATION REGULATION NO.41-03

Category	Maximum Sound Level (dB (A))
cc ≤ 80	75
80 < cc ≤ 175	77
cc > 175	80

(ON OR AFTER 1<sup>st</sup> JANUARY 2020)  
UNITED NATION REGULATION NO.41-04

Category	Maximum Sound Level (dB (A))	
	L <sub>urban</sub>	L <sub>wot</sub>
PMR ≤ 25	73	-
25 < PMR ≤ 50	74	79
PMR > 50	77	82

**Notes:**

1. PMR = Power-to-mass ratio index;
2. L<sub>wot</sub> = Sound pressure level with a full throttle acceleration test;
3. L<sub>urban</sub> = Sound pressure level with a weighted combination of constant speed test and a full throttle acceleration test;

**NOISE EMISSION LIMITS FOR NEW MODEL OF MOTORCYCLE WITH THREE-WHEELED**  
(ON OR AFTER 1<sup>st</sup> JANUARY 2016)  
UNITED NATION REGULATION NO.9-07

Engine Capacity	Maximum Sound Level (dB (A))
cc > 50	80

[Got It!](#)

Click the “**Got It!**” button to continue the process

Welcome
Section 1
Section 2
Section 3
Section 4
Section 5
Section 6

**Test Report No**

**Name of the Approved Test Track**

Name & Address of Reported By same as Section 4

**Reported By**

**Test/Witness**

Test  Witness

**By: (Recognised Authority or Technical Service)**

**NOISE LEVEL OF MOVING MOTORCYCLE**

**Ambient Noise**

 dB(A)

**Wind Speed**

 m/s

**Test result**

 dB(A)

**NOISE LEVEL OF STATIONARY MOTORCYCLE**

**Ambient Noise**

 dB(A)

**Wind Speed**

 m/s

**Test result**

 dB(A)

**at**

 min<sup>-1</sup>

**Attachment of Test Result**

[Choose File](#) | No file chosen  
Attachment Specification : pdf/jpeg (5MB)

Test report or certificates number

This information will appear on the certificate

Click “**Save & Next**” button to save all record. The system will be to section: 6 if the information in section: 5 are completed

**SECTION 6: DECLARATION BY APPLICANT.**

Applicants are required to certify the application. Tick the “**Agree or Disagree**” checkbox and enter the password and click “**submit**” button to complete the application.

Process is completed and new application and reference number appear in “application list” with “In Process” status.

No.	Ref. No.	Applicant	Application Date	Model	Status	Action
1	DOE/L/93/2016	YAMAHA MOTORS SDN BHD	December 8, 2016, 3:18 pm	EGO SOLARIZ (LNS125)	In Process	Action

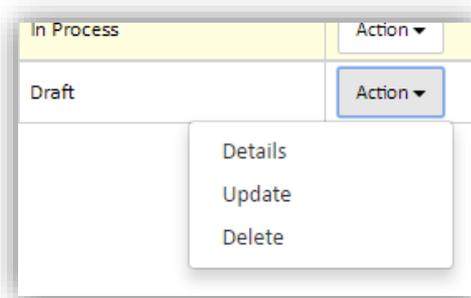
Applicant will receive an e-mail stating that the application will be processed within 20 working days.

## DRAFT STATUS

Applicants occasionally do not fully complete their application and the application remains in draft status without reference number. This application still can be update or deleted by the applicant.

Application List						Search... model <input type="text"/>
No.	Ref. No.	Applicant	Application Date	Model	Status	
1	DOE/L/1/2017	YAMAHA MOTORS SDN BHD	January 13, 2017, 3:41 pm	wse123	In Process	Action ▾
2	DOE/L/93/2016	YAMAHA MOTORS SDN BHD	December 14, 2016, 8:23 am	EGO SOLARIZ (LNS125)	Approved	Action ▾
3		YAMAHA MOTORS SDN BHD		YZ125	Draft	Action ▾

Click the Action dropdown button and select Update or Delete.



Blue tab is information that has been filled

The image shows a progress bar for the application form with six sections:
 

- Welcome Introduction
- Section 1: Description of Motorcycle
- Section 2: Description of Engine
- Section 3: Attachment Document and Drawing (highlighted with a red box)
- Section 4: Exhaust Emission Test Result
- Section 5: Noise Test Results
- Section 6: Declaration by Applicant

 Below the progress bar, the text reads:
 

APPLICATION FOR  
MOTORCYCLES EXHAUST EMISSION AND NOISE EMISSION TYPE APPROVAL

 A blue button labeled 'Let's Start !' is visible below the text.

After all information completed click **“Save & Next”** button. Tick the **“Agree or Disagree”** checkbox and enter the password and click **“submit”** button to complete the application in section: 6.

DECLARATION BY APPLICANT  
I CERTIFY THAT

- The Information of the Motorcycle Model for Type Approval is the correct description of the motorcycle or engine model under the application;
- adequate arrangements and prepared documented quality control plans with certification to international standard such as EN ISO 9002, or EN ISO 9001 or an equivalent standard acceptable by the Department or Environment Malaysia has been set up to ensure all vehicles and engines produced and offered for Malaysia market comply with the exhaust emission and noise standards; and
- at least 1% of Type II Emission & Stationary Noise (or % as agreed with the Department of Environment Malaysia) of the total production per year of the motorcycles or engines of the model for which emission type approval is sought, and destined for Malaysia will be sampled randomly for exhaust emission and noise test to confirm the motorcycle complies with the emission and noise requirements as stated in the VTA.

Agree  
 Disagree

Password

System back to the dashboard with the application status changes to “In Process”. Process is completed and new application and reference number appear in “application list” with “In Process” status. Applicant will receive an e-mail stating that the application will be processed within 20 working days.

### RETURNING APPLICATIONS

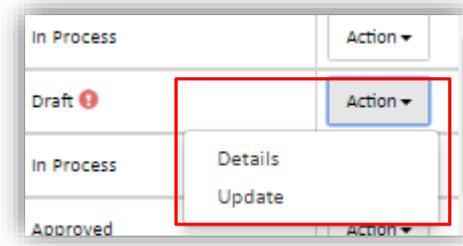
The application will be returned to the applicant when document or information is incomplete or require additional information. Messages will be sent to applicants by e-mail. The “Application List” will display the returned applications with “Redraft” status. The redraft can be updated but not deleted.

No.	Ref. No.	Applicant	Model	Application Date	Status	Action
1	DOE/L/1/2017	YAMAHA MOTORS SDN BHD	wse123	January 13, 2017, 3:41 pm	Redraft <span style="color:red">!</span>	Action ▼
2	DOE/L/03/2016	YAMAHA MOTORS SDN BHD	FCGOLADP (M1613E)	December 11, 2016, 10:53 am	Approved	Action ▼

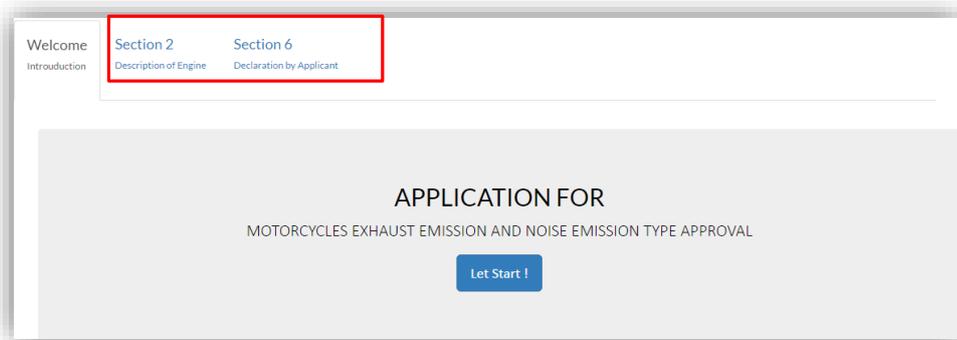
Click on the alert notification to view the DOE comments

Application Date	Status	Action
February 21, 2017, 9:31 am	Redraft <span style="color:red">!</span>	Action ▼
February 21, 2017, 9:31 am	In Process	Action ▼
February 21, 2017, 9:30 am	In Process	Action ▼

Click the Action dropdown button and select Update



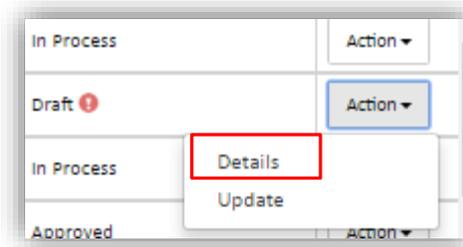
The system only displays the parts that need to be updated. (blue color)



Once completed, the display will return to the dashboard and the application status changes to In Process. The date of application start from delivery of application updates.

## INFORMATION APPLICATIONS

Click the “**Action**” dropdown button and select “**Details**”



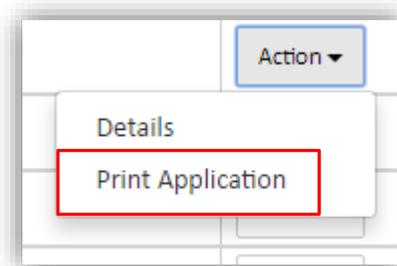
Application information is displayed accordance with section.

Description of Motorcycle	Description of Engine	Attachment Document and Drawing	Exhaust Emission Test Result	Noise Test Result								
<p><b>Make</b></p> <input type="text" value="Yamaha"/> <p><b>Model</b></p> <input type="text" value="EGO SOLARIZ (LNS125)"/> <p><b>Model Code</b></p> <input type="text" value="SED2"/> <p><b>Variant</b></p> <input type="text" value="A"/> <p><b>Version</b></p> <input type="text" value="1"/> <p><b>Number of Exhaust</b></p> <table border="1"> <tr> <td>Left</td> <td>Center</td> <td>Right</td> </tr> <tr> <td><input type="text" value="0"/></td> <td><input type="text" value="0"/></td> <td><input type="text" value="1"/></td> </tr> </table> <p><b>Mass of motorcycle</b></p> <input type="text" value="169.00 kg"/> <p><b>Maximum Speed</b></p> <input type="text" value="93 km/h"/> <p><b>Number of Wheels</b></p> <table border="1"> <tr> <td>Front</td> <td>Rear</td> </tr> <tr> <td><input type="text" value="1"/></td> <td><input type="text" value="1"/></td> </tr> </table>	Left	Center	Right	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	Front	Rear	<input type="text" value="1"/>	<input type="text" value="1"/>	<p><b>Front Tyre Dimensions</b></p> <input type="text" value="70/90-14M/C 34P"/> <p><b>Rear Tyre Dimensions</b></p> <input type="text" value="80/90-14M/C 46P"/> <p><b>Manufacturer's Representative</b></p> <input type="text" value="N/A"/> <p><b>Company Name</b></p> <input type="text" value="YAMAHA MOTORS SDN BHD"/> <p><b>Address</b></p> <input type="text" value="KOMPLEKS HLY, LOT 57, PERSIARAN BUKIT RAHMAN PUTRA 3, 47000 SG. BULOH"/> <p><b>Country</b></p> <input type="text" value="Malaysia"/> <p><b>State</b></p> <input type="text" value="Selangor"/> <p><b>Attachment of Motorcycle</b></p> <input type="text" value="yamaha_sco.jpg"/>	
Left	Center	Right										
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>										
Front	Rear											
<input type="text" value="1"/>	<input type="text" value="1"/>											

### SAVE AND PRINT THE APPLICATION INFORMATION

All submitted and approved application information can be saved and printed for personal keeping.

Click the **“Action”** dropdown button and select **“Print Application”**



The application information will be displayed in PDF format.

Ref No : DOE/L/93/2016



**DEPARTMENT OF ENVIRONMENT MALAYSIA**  
**APPLICATION FOR MOTORCYCLE EXHAUST AND NOISE EMISSION TYPE APPROVAL**

**DESCRIPTION OF MOTORCYCLE**

**MAKE** : Yamaha

**MODEL** : EGO SOLARIZ (LNS125)

**MODEL CODE** : SED2

**VARIANT** : A

**VERSION** :

**NUMBER OF EXHAUST** : LEFT : 0; CENTER : 0; RIGHT : 1

**MASS OF MOTORCYCLE** : 169.00 kg

**MAXIMUM SPEED** : 93 km/h

**NUMBER OF WHEELS** : FRONT : 1; REAR : 1

**FRONT TYRE DIMENSIONS** : 70/90-14M/C 34P

**REAR TYRE DIMENSIONS** : 80/90-14M/C 46P

**COMPANY NAME & ADDRESS** : YAMAHA MOTORS SDN BHD  
 KOMPLEKS HLY, LOT 37,  
 PERSIARAN BUKIT RAHMAN  
 PUTRA 3,  
 47000 SG. BULOH  
 SELANGOR, MALAYSIA

**MANUFACTURER'S REPRESENTATIVE PERSONNEL** : N/A

**PHOTOS OF MOTORCYCLE** : yamaha\_sco.jpg

*Note: Only the attachment file name will be displayed on the pdf file.*

## APPROVAL CERTIFICATE

The Applications approved will be changed to "Approved" status. Applicants can review and print the certificate of approval

No.	Ref. No.	Applicant	Application Date	Model	Status	Action
1	DOE/L/93/2016	YAMAHA MOTORS SDN BHD	December 14, 2016, 8:23 am	EGO SOLARIZ (LNS125)	Approved	Action ▾
2	DOE/L/94/2016	YAMAHA MOTORS SDN BHD		Y15ZR	Draft	Action ▾

Click the Action button and select Noise or Emission Information. The certificate also will be sent to the secretariat national VTA (RTD) via online in PDF format

## VEHICLE TYPE APPROVAL CERTIFICATE (EMISSION)

No Sijil : DOE/TAE/2016/93



**JABATAN ALAM SEKITAR**  
**SIJIL KELULUSAN PELEPASAN GAS MOTOSIKAL**

**YAMAHA MOTORS SDN BHD**  
Kompleks HLY, Lot 57  
Persiaran Rahman Putra  
47000 Sg. Buloh  
Selangor, Malaysia

<b>MODEL MOTOSIKAL</b>	:	EGO SOLARIZ (LNS125)
<b>KOD MODEL</b>	:	SED2
<b>MODEL ENJIN</b>	:	E3v1e
<b>KAPASITI ENJIN</b>	:	124 cc / 93 km/f
<b>NO. LAPORAN UJIAN</b>	:	16-0062-01-Y52
<b>LAPORAN UJIAN DIKELUARKAN OLEH</b>	:	YAMAHA MOTORS SDN BHD KOMPLEKS HLY, LOT 57, PERSIARAN BUKIT RAHMAN PUTRA 3, 47000 SG. BULOH SELANGOR, MALAYSIA
<b>KEPUTUSAN UJIAN</b>	:	CO : 1.362 g/km; HC : 0.229 g/km; NOx : 0.108 g/km
<b>HAD PELEPASAN</b>	:	CO : 2.00 g/km; HC : 0.80 g/km; NOx : 0.15 g/km



**(MASHITAH DARUS)**  
b.p Ketua Pengarah Kualiti Alam Sekeliling Malaysia  
15 DECEMBER 2016

## VEHICLE TYPE APPROVAL CERTIFICATE (NOISE)

No Sijil : DOE/TAS/2016/93



**JABATAN ALAM SEKITAR**  
**SIJIL KELULUSAN PELEPASAN BUNYI BISING MOTOSIKAL**

**YAMAHA MOTORS SDN BHD**  
Kompleks HLY, Lot 57  
Persiaran Rahman Putra  
47000 Sg. Buloh  
Selangor, Malaysia

<b>MODEL MOTOSIKAL</b>	:	EGO SOLARIZ (LNS125)
<b>KOD MODEL</b>	:	SED2
<b>MODEL ENJIN</b>	:	E3v1e
<b>KAPASITI ENJIN</b>	:	124 cc / 93 km/f
<b>NO. LAPORAN UJIAN</b>	:	16-0062-01-Y52
<b>LAPORAN UJIAN DIKELUARKAN OLEH</b>	:	THAI YAMAHA MOTOR CO. LTD (YTTC) 64 MOOI, BANGNA-TRAD, KM21, TAMBOL SRISA JARRAKE YAI, BANGSAOTHONG, SAMUTPRAKARN THAILAND
<b>KEPUTUSAN UJIAN</b>	:	73.5 d(BA)
<b>HAD PELEPASAN</b>	:	77 d(BA)



**(MASHITAH DARUS)**  
b.p Ketua Pengarah Kualiti Alam Sekeliling Malaysia  
15 DECEMBER 2016

**GASEOUS POLLUTANT & NOISE EMISSION LIMITS**

All motorcycles seeking first registration in Malaysia will have to comply with the requirements of the exhaust and noise emission standard;

**GASEOUS POLLUTANT EMISSION LIMITS FOR NEW MODEL OF MOTORCYCLE**

**(NEW MODEL: ON OR AFTER 1<sup>st</sup> JANUARY 2016)  
(EXISTING MODEL: ON OR AFTER 1<sup>st</sup> JANUARY 2017)**

The emission of Carbon Monoxide (CO), Hydrocarbon (HC) and Nitrogen Oxides (NOx) shall not exceed the following emission limits as measured by:

- A) The European Committee ("EC") 97/24/EC amendments 2002/51/EC Chapter 5 ANNEX II sec. 2.2.1.1.5. of 19 July 2002:

Category	Class	CO (g/km)	HC (g/km)	NOx (g/km)
Two Wheel	<150 cm <sup>3</sup>	2.0	0.8	0.15
	≥ 150 cm <sup>3</sup>	2.0	0.3	0.15
Three Wheel	All	7.0	1.5	0.4

; or

- B) World motorcycle emission test cycle "WMTC" under the European Committee ("EC") 2006/72/EC of 18 August 2006:

Category	Class	CO (g/km)	HC (g/km)	NOx (g/km)
Two Wheel	( $V_{max} < 130 \text{ km/h}$ )	2.62	0.75	0.17
	( $V_{max} \geq 130 \text{ km/h}$ )	2.62	0.33	0.22

**(ON OR AFTER 1<sup>st</sup> JANUARY 2020)**

The emission of Carbon Monoxide (CO), Hydrocarbon (HC) and Nitrogen Oxides (NOx) shall not exceed the following limits as measured under the Worldwide Harmonized Motorcycle Test Cycle (WMTC) Commission for Europe (EU) 168/2013/EU of 15 January 2013

Category	Class	CO (g/km)	HC (g/km)	NOx (g/km)
Two or Three Wheels	( $V_{max} < 130$ km/h)	1.14	0.38	0.07
	( $V_{max} \geq 130$ km/h)	1.14	0.17	0.09

### **NOISE EMISSION LIMIT FOR NEW MODEL OF MOTORCYCLE WITH TWO-WHEELED**

**(NEW MODEL: ON OR AFTER 1<sup>st</sup> JANUARY 2016)  
(EXISTING MODEL: ON OR AFTER 1<sup>st</sup> JANUARY 2017)**

UNITED NATION REGULATION NO.41- 03

Category	Maximum Sound Level dB (A)
cc $\leq$ 80	75
80 < cc $\leq$ 175	77
cc > 175	80

**(ON OR AFTER 1<sup>st</sup> JANUARY 2020)**

UNITED NATION REGULATION NO.41- 04

Category	Maximum Sound Level dB (A)	
	L <sub>urban</sub>	L <sub>wot</sub>
PMR $\leq$ 25	73	-
25 < PMR $\leq$ 50	74	79
PMR > 50	77	82

Note:

- i. PMR = Power-to-mass ratio index;
- ii. L<sub>wot</sub> = Sound pressure level with a full throttle acceleration test;
- iii. L<sub>urban</sub> = Sound pressure level with a weighted combination of constant speed test and a full throttle acceleration test;

**NOISE EMISSION LIMIT FOR NEW MODEL OF MOTORCYCLE WITH THREE-WHEELED**

**(NEW MODEL: ON OR AFTER 1<sup>st</sup> JANUARY 2016)  
(EXISTING MODEL: ON OR AFTER 1<sup>st</sup> JANUARY 2017)**

UNITED NATION REGULATION NO.9-07

Engine Capacity	Maximum Sound Level dB (A)
Motorcycle with three-wheeled and engine capacity > 50cc or > 50km/h	80

**NOISE EMISSION LIMIT FOR TWO OR THREE WHEELED IN-USE MOTORCYCLE  
(STATIONARY TEST)**

**(ON OR AFTER 1<sup>st</sup> JANUARY 2017)**

ITEM	Maximum Sound Level dB (A)
All Motorcycle	95
Motorcycle with noise level marking and the sound level (stationary testing) recorded in the type approval is more than 95 dB(A)	Sound value (stationary testing) recorded in the type approval

**Note:**

Item number 8.8.2.2 - Consolidated Resolution on the Construction of Vehicles (R.E.3):  
In view of the tolerances of measuring instruments, the disturbances that may occur at the time of measurement and the scatter of measurements for vehicles of the same type, it will be necessary to allow for a margin of 5 dB(A) in comparison with the corresponding value recorded at the time of the type approval.