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**APPLICATION FOR MOTORCYCLE EXHAUST EMISSION AND NOISE EMISSION**

**TYPE APPROVAL**

*(Exhaust and noise emission type approval for pure electric motorcycles is not required)*

**1. Application form**

The application form consists of **PART I**, **PART II** and **PART III**. **PART I** is the applicant’s information, **PART II** is information about the motorcycle model and **PART III** is the Emission and Noise test results for which type approval is sought. Please note that both exhaust and noise emission type approval for pure electric motorcycles is not required. The applicant’s should complete relevant items and provide all necessary information in supporting your application, including original emission and noise test report from technical service.

**2. Authorized signature**

The application form must have authorized signatures of the motorcycle manufacturer to certify that the information about the motorcycle model under application is correct and complete.

**3. Checklist**

The information in the checklist is essential for your application. The applicant’s may provide other information to support your application.

**4. Submission of Application**

The completed application form together with all supporting documents can be submitted via online, by post or in person to:

Department of Environment Malaysia

Level 4, Podium 2 & 3

Wisma Sumber Asli

No. 25, Persiaran Perdana, Presint 4

**62574 PUTRAJAYA**

Tel : +603-8871 2000/ 8871 2200

Fax : +603-8888 4151

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**APPLICATION FORM FOR MOTORCYCLE EXHAUST EMISSION AND NOISE EMISSION**

**TYPE APPROVAL**

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| --- |
| **PART I****DETAILS OF APPLICANT** |
| 1. Name of Applicant (an Individual or a Company) : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Address : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_1. Contact Person :
2. Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ii. Position: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Telephone Number : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5. Fax Number : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. H/P Number : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7. Email : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Declaration:***I hereby declare that the information given in this application form and the submitted documents is correct and true to the best of my knowledge and belief.*Signature of Applicant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Application Date : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Company Stamp :  |
| *For Official Use Only*  |
| Ref. Number : \_\_\_\_\_\_\_\_\_\_\_Application Form Verified by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Position : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Stamp : |
| **PART II****INFORMATION OF THE MOTORCYCLE MODEL FOR TYPE APPROVAL***(Details of the Motorcycle, Engine, Air–Intake, Exhaust and Emission Control Systems)* |
|  **DESCRIPTION OF MOTORCYCLE**Make :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Model (Sales Designation): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Model Code: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Variant : \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Version : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Number of wheels: Front :\_\_\_\_\_, Rear: \_\_\_\_\_ Number of Exhaust: Left: \_\_\_\_\_, Right: \_\_\_\_Mass of motorcycle in running order : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kg, Max. speed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ km/h, Manufacturer’s Address : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Manufacturer’s Representative : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Tyre Specifications:-  Manufacturer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Tyre Dimensions : Front : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rear : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **DESCRIPTION OF ENGINE** Make :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Model / Code: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Variant : \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Version : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rated Maximum Engine Power Output :\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kW at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(rpm)  Displacement : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cc, Transmission : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Power-to-mass ratio index (PMR): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Fuel Type : \_\_\_\_\_\_\_\_, Euro: \_\_\_\_\_\_\_\_\_ Cycle : Four Stroke / Two Stroke / Others\* (please specify) : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Manufacturer’s address : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Manufacturer’s Representative : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**DESCRIPTION AND DRAWINGS OF THE AIR-INTAKE AND EXHAUST CONTROL SYSTEM**1. **Air-Intake System**

Description and drawings or photos (showing in a plan view and a lateral view) of the air-intake system indicating the location of the intake silencer(s) and the air filter(s)1. **Exhaust Control System**

Description and drawings or photos (showing in a plan view and a lateral view) of the exhaust system indicating the location of the muffler(s), the catalytic converter(s) and the oxygen sensor(s) and description of the :1. Device for Recycle Crankcase Gases
2. Exhaust Gas Recirculation
3. Air Injection
4. Other Anti-Pollution Devices
5. Description and Diagram of Motorcycle with Overall Dimensions

*Note : Attach separate sheet(s) showing a plan view, a front view and a lateral (side) view*1. **Noise Label Marking**
2. According to UNR requirement (UNR 41.03 & UNR 41.04)
3. Identify location of the label

Note: \* delete as appropriate |

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| **PART III****TEST RESULTS***Please provide third party* (recognised Authority or Technical Service) *emission & noise test report or Type Approval Certificates and necessary supporting information for verifying the emission & noise test results*  |
| **EXHAUST EMISSION TEST RESULTS** |
| 1. Test report No. : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Name and Address of Test Laboratory: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_4. Test / Witness by (recognised Authority or Technical Service): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Type I Test (Average Tailpipe Emissions in a Congested Urban Area)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | CO g/km | HCg/km | NOx g/km |
| Emitted Mass |  |  |  |
| Limits |  |  |  |

**Roadworthiness Test / Type II Test**

|  |  |  |  |
| --- | --- | --- | --- |
|  | CO Value (% Vol.)  | Engine Speed (min-1)  | Engine Oil Temperature (oC) |
| Normal Idle Test  |  |  |  |
| High Idle Test  |  |  |  |

Note : \* Delete as appropriate |

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| **NOISE TEST RESULTS**The noise of the motorcycle submitted for approval shall be measured by the two methods (motorcycle in motion and stationary)1. Test report No. : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Name and Address of the Approved Test Track: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_1. Test Track Approved by : (Name and Address of National or recognised Authority): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_4. Test / Witness by (recognised Authority or Technical Service): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**NOISE LEVELS OF MOVING MOTORCYCLE**1. Ambient Noise : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dB(A)
2. Wind Speed : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m/s
3. Test result : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dB(A)

**NOISE LEVEL OF STATIONARY MOTORCYCLE**1. Ambient Noise : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dB(A)
2. Wind Speed : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m/s
3. Test result : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dB(A) at \_\_\_\_\_\_\_\_\_\_\_\_\_min-1
 |

**DECLARATION BY APPLICANT**

**I CERTIFY THAT**

1. the Information of the Motorcycle Model for Type Approval is the correct description of the motorcycle or engine model under the application;
2. 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
3. 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.

Authorised Homologation Staff (Signature) :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name and Position :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company Stamp :

**CHECKLIST**

|  |
| --- |
| **Please tick the relevant boxes** |
|  | **One copies of PART I – Applicant’s information** |
|  | **One copy of PART II – Information of the Motorcycle Model for Type Approval** |
|  | Description of motorcycle |
|  | Description of engine |
|  | Description and drawings of the air-intake and exhaust or emission and noise  |
|  | Photo or drawing of the location noise label marking (position at which it is to be fitted to the vehicle) |
|  | **One copy of PART III – Information of the Emission and Noise Test Result** |
|  | Emission and noise Test result summary |
|  | One hard or soft copy (sent via online/email/post/by hand) of third party Test report (TR) for exhaust emission |
|  | One hard or soft copy (sent via online/email/post/by hand) of third party Test report (TR) for noise emission |
|  | Other supporting documents, please specify |

**CARTA ALIR PERMOHONAN**

**KELULUSAN JENIS KENDERAAN/**

**VEHICLE TYPE APPROVAL (VTA)**

**JABATAN ALAM SEKITAR MALAYSIA**

5 Hari Bekerja

7 Hari Bekerja

7 Hari Bekerja

**Jumlah : 20 hari bekerja**

Khidmat Nasihat

Dokumen Tambahan

Penyediaan Sijil

Tandatangan Sijil

Sokong

Semakan & Ulasan Penyelia

Proses Permohonan

Penyediaan Nota Makluman

Rekod & Fail

Penyerahan Sijil

Lengkap

Penerimaan dan Pendaftaran

Permohonan

Mula

1 Hari Bekerja

Semakan Dokumen

Tamat

Tidak

Tidak

Ya

Ya