

JADUAL I (SCHEDULE I)

Type Approval Performance Requirements (L - Motorcycles)

Item No.	Subject	Vehicle Category	National Acceptance (Construction & Use) Rules 1959	Actual Compliance (Performance)	Date of Approval
1	Reflector Performance	L1 – L7	UN R3.02		
2	Direction Indicators	L1 – L7	UN R6.01		
3	Front and Rear Position (Side) Lamps, Stop Lamps and End-Outline Marker	L1 – L7	UN R7.02		
4	Noise of three-wheeled vehicles	L2, L4, L5	UN R9.07		
5	Radio Interference Suppression	L1 – L7	UN R10.04		
6	Front Fog Lamps (If fitted)	L3, L4, L5, L7	UN R19.04		
7	Audible Warning Device	L3, L4, L5,	UN R28.00		
8	Filament Lamps	L1 – L7	UN R37.03		
9	Rear Fog Lamps (If fitted)	L3, L4, L5, L7	UN R38.00		
10	Speedometer	L1 – L7	UN R39.00		
11	Exhaust emission	L3, L4, L5 L1, L2	Peraturan-Peraturan Kualiti Alam Sekeliling (Kawalan Pelepasan Daripada Enjin Petrol) 1996. UN R40.00 / (DOE) UN R47.00 / (DOE)		
12	Noise emission	L3 L1	Peraturan-Peraturan Kualiti Alam Sekeliling (Bunyi Bising Kenderaan Motor) 1987. UN R41 (DOE) UN R63.00 (DOE)		

Item No.	Subject	Vehicle Category	National Acceptance (Construction & Use) Rules 1959	Actual Compliance (Performance)	Date of Approval
13	Headlamp Cleaners (If fitted)	L1 – L7	UN R45.01		
14	Lights	L1 – L7	UN R50.00		
15	Installation of Lights	L3 L1	UN R53.01 / UN R74.01		
16	Driver Operated Control (Motorcycle)	L1 & L3	UN R60.00		
17	Protection Against Unauthorised Use	L1 – L7	UN R62.00		
18	Special warning lamps (If fitted)	L1 – L7	UN R65.00		
19	Halogen Headlamps (HS1 & HS2 for motorcycles)	L3, L4, L5	UN R72.01 / UN R82.01		
20	Tyres	L1, L2, L3, L4, L5,	MS 1394 UN R75.00		
21	Brake Performance	L1 – L5	UN R78.03		
22	Rear View Mirrors	L1 – L7	UN R81.00		
23	Daytime Running Light	L1 – L7	UN R87.00		
24	Gas Discharge Head Lamp (If fitted)	L3	UN R98.01		
25	Headlamps	L1 – L7	UN R56.00 / UN R57.00 / UN R112.01 / R113.00		
26	Light Emitting Diode (LED) light sources (If fitted)	L1 – L7	UN R128.00		
27	Electric Motorcycles - Specifications	L1 – L7	MS 2413		

SCHEDULE II

APPLICATION FOR TYPE APPROVAL OF MOTOR VEHICLE (L- Category)

Reference No : _____

Date of submission. _____

Part 1: General Information

1. Applicant's name and address

2. Maker : _____

Model Name : _____

Model Code : _____

Model Year : _____

3. Type and configuration body :

4. Country of manufacture

5. Proposed usage

Part II. Specifications

(*) Please state/specify performance standard according to MS/ECE/FMVSS

1. Dimensions

(a) Overall length (mm) _____

(b) Overall width (mm) _____

(c) Overall height (mm) _____

(d) Wheel base (mm) _____

(e) Ground clearance (mm)

i. Unladen _____

ii. Fully laden _____

(f) Width Track (mm)

i. Front axles _____

ii. Rear axles _____

(g) Minimum turning circles (mm)

i. Kerb to kerb _____

ii. Body to body _____

2. Weight

(a) Kerb Weight (kg)

i. Front axles _____

ii. Rear axles _____

(b) Number of axles _____

- (c) Axle Rating
 - i. Front axles (kg) _____
 - ii. Rear first axles (kg) _____
- (d) Design gross vehicle weight (kg) _____
- 3. Max. stable inclination angle (For EV only) _____
- 4. Seating capacity (person) _____
- 5. Spacing for the display of registration number plate:

Motorcycle :

Front / Rear (Min 145 mm x 150 mm) – vertical _____

Front / Rear (Min 295 mm x 50 mm) – horizontal _____
- 6. Engine:
 - (a) Name of producer _____
 - (b) Type and model _____
 - (c) Position of mounting _____
 - d) Type of fuel _____
 - (e) Engine capacity _____
 - (f) Cycle _____
 - (g) No of cylinder _____
 - (h) Cylinder arrangement _____
 - (i) Bore X Stroke _____
 - (j) Piston Displacement _____
 - (k) Valve arrangement _____
 - (l) Compression ratio _____

- (m) Max. net power (KW @ r.p.m.) _____
- (n) Max. net torque (kN m @ r.p.m) _____
- (o) Type of supercharger
or turbocharger _____
- (p) Emission gas control system
(CO Value, g/km) _____
- (q) Lubricating system
 - (i) Lubricating method _____
 - (ii) Type of oil pump _____
 - (iii) Type of oil filter _____
 - (iv) Capacity of lubricating oil (l) _____
 - (v) Type of oil cooler _____
- (r) Cooling system
 - (i) Cooling method _____
 - (ii) Type of radiator _____
 - (iii) Capacity of cooling water _____
 - (iv) Type of water pump _____
 - (v) Type of thermostat _____
- (s) Fuel Consumption (L/100 km) _____

6A. Electric Motor (Hybrid or Electric Only)

- (a) Name of producer _____
- (b) Type and model _____
- (c) Position of mounting _____
- (d) Motor Power (Maximum) (KW) _____
- (e) Motor Power (Rated) (KW) _____
- (f) Max. Net Torque (kN.m) _____

- (g) Battery Type _____
- (h) Battery Capacity _____
- (i) Battery Consumption (Wh / 100 km) _____

7. Fuel system

- (a) Fuel tank
 - (i) Material _____
 - (ii) Capacity (litre) _____
 - (iii) Position _____
- (b) Fuel Pump
 - (i) Type _____
 - (ii) Flow rate _____
- (c) Fuel Filter
 - (i) Type _____
 - (ii) Flow rate _____
- (d) Fuel Injection
 - (i) Type _____
 - (ii) Model _____
 - (iii) Method _____
- (e) Carburetor
 - (i) Type _____
 - (ii) Diameter of throttle valve (mm) _____
 - (iii) Diameter of venture (mm) _____
 - (iv) Type of choke valve _____

- (f) Air cleaner
- (i) Type _____
 - (ii) Number _____

- (g) LPG/NGV/CNG equipment
- (i) Make and Model of LPG/NGV/CNG kit _____
 - (ii) Make and model of container _____
 - (iii) Capacity of container _____
 - (iv) Location of container _____
 - (iv) Supplier and authorised installer _____

8. Transmission system

- (a) Type of clutch _____
- (b) No. of speed _____
- (c) Type of transmission _____
- (d) Torque convertor pressure _____
- (e) Gear ratio (to 1)
 - 1 st gear _____
 - 2nd gear _____
 - 3rd gear _____
 - 4th gear _____
 - 5th gear _____
 - 6th gear _____
 - Reverse gear _____
 - Differential gear _____
 - Wheel hub reduction _____

9. Running system

- (a) Front axle type _____
- (b) Rear axle type _____
- (c) Tyre size & brand
 - (i) Front tyre _____
 - (ii) Rear tyre _____
 - (iii) Spare tyre _____
- (d) Rim specification
 - (i) Front wheel (size & material) _____
 - (ii) Rear wheel (size & material) _____
 - (iii) Spare wheel (size & material) _____
- (e) Optional tyre and rim specification (size & brand)
 - (i) Front wheel _____
 - (ii) Rear wheel _____
 - (iii) Spare wheel _____
- (f) Air pressure
 - (i) Front wheel _____
 - (ii) Rear wheel _____
 - (iii) Spare wheel _____
- (g) Maximum load on tyre
 - (i) Front wheel _____
 - (ii) Rear wheel _____
 - (iii) Spare wheel _____

10. Suspension system

(a) Front axle

- (i) Type of suspension _____
- (ii) Type of spring _____
- (iii) Material of spring _____
- (iv) Dimensions of main spring _____
- (v) Number of main spring _____
- (vi) Dimensions of auxiliary spring _____
- (vii) Number of auxiliary spring _____

(b) Rear axle

- (i) Type of suspension _____
- (ii) Type of spring _____
- (iii) Material of spring _____
- (iv) Dimensions of main spring _____
- (v) Number of main spring _____
- (vi) Dimensions of auxiliary spring _____
- (vii) Number of auxiliary spring _____

(c) Type of shock absorber

- (i) Front wheel _____
- (ii) Rear wheel _____
- (iii) Name of producer _____

11. Steering System / Handle Bar

- (a) Steering wheel positions (LHS/RHS/CTR) _____
- (b) Front wheel alignment
 - (i) Amount of side slip _____
- (c) Booster
 - (i) Type _____
 - (ii) Name of producer _____
- (d) Locking device
 - (i) Type _____
 - (ii) Name of producer _____
 - (iii) Mounting position _____

12. Brake System

- (a) Service brake
 - (i) Type & Size
 - Front _____
 - Rear _____
 - (ii) Control system and No. of braking wheel _____
 - (iii) Brake pipes/hoses
 - Material _____
 - (iv) Booster
 - Type _____
 - Magnification _____

- (v) Braking efficiency (%)
 - Front _____
 - Rear _____
- (vii) Other safety device incorporated (ABS/SLIPS/LSD or others) _____

- (b) Parking brake (Attached test report for service brake)
 - (i) Type _____
 - (ii) Braking efficiency
 - Front _____
 - Rear _____
- (c) Auxiliary brake (if any)
 - (i) Type _____
 - (ii) Certification Approval _____

- 13. Chassis frame
 - (a) Type _____
 - (b) Cross section dimension _____
 - (c) Type of material _____
 - (d) Type of side protection device (if any) _____
 - (e) Sample of chassis code number _____

- 14. Equipment for passengers
 - (a) Seat belt anchorage
 - (i) Type _____
 - (ii) Number _____
 - (iii) Certification Approval _____

- (b) Seat belt
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Number _____
 - (iv) Certification Approval _____
- (c) Head restraint
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Number _____
 - (iv) Certification Approval _____
- (d) Doors
 - (i) Type _____
 - (ii) Number _____
 - (v) Certification Approval _____

15. Glass

- (a) Front windscreen
 - (i) Name of producer _____
 - (ii) Kind/Type of glass _____
 - (iii) Thickness _____
 - (iv) % of light transmission _____
 - (v) Certification Approval _____

- (b) Side windows
 - (i) Name of producer _____
 - (ii) Kind/Type of glass _____
 - (iii) Thickness _____
 - (iv) % of light transmission _____
 - (v) Certification Approval _____
- (c) Rear screen
 - (i) Name of producer _____
 - (ii) Kind/Type of glass _____
 - (iii) Thickness _____
 - (iv) % of light transmission _____
 - (v) Certification Approval _____

16. Noise prevention device

- (a) Silencer
 - (i) Name of product _____
 - (ii) Type _____
 - (iii) Number _____
- (b) Noise level (dBA)
 - (i) Stationary
(Attached test report and method test) _____
 - (ii) Accelerated running
(Attached test report and method test) _____
 - (iii) Certification Approval _____

17. Exhaust emission control device (Attached test report)

- (a) Type _____
- (b) Position and direction of exhaust pipe opening _____
- (c) HSU level/K Value/Opacimeter Value (free accelerated test) _____
- (d) Certification Approval _____

18. Electrical System

- (a) Operating voltage _____
- (b) Type of Ignition system _____
- (c) Type of electric wave noise suppression or prevention device _____
- (d) Spark Plug
 - (i) Type _____
 - (ii) Gap _____
- (e) Battery capacity (AH) _____
- (f) Charging system
 - (i) Type _____
 - (ii) Output _____
- (g) Starting system
 - (i) Type _____
 - (ii) Output _____
- (h) Immobilizer
 - (i) Type _____
 - (ii) Certification Approval _____

19. Lighting equipment

(a) Head lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour, Power (watts) _____

(iv) Intensity (lumens) _____

(v) Automatic or manual
low and high adjuster _____

(vi) Light Source Type _____

(vii) Certification Approval _____

(b) Front fog lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour, Power (watts) _____

(iv) Certification Approval _____

(c) Front turning lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour, Power (watts) _____

(iv) Rate of flashing _____

(v) Certification Approval _____

(d) Front side turning lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour, Power (watts) _____

- (iv) Certification Approval _____

- (e) Daytime running lamps
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Numbers, colour, Power (watts) _____
 - (iv) Certification Approval _____

- (f) Rear reflex reflector
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Numbers, colour, Power (watts) _____
 - (iv) Certification Approval _____

- (g) High mount stop lamps (3rd brake light)
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Numbers, colour, Power (watts) _____
 - (iv) Certification Approval _____

- (h) Tail lamps
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Numbers, colour, Power (watts) _____
 - (iv) Certification Approval _____

- (i) Stop lamps
 - (i) Name of producer _____
 - (ii) Type _____

- (iii) Numbers, colour, Power (watts) _____
- (iv) Certification Approval _____
- (j) Rear turning lamps
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Numbers, colour, Power (watts) _____
 - (iv) Certification Approval _____
 - (v) Rate of flashing _____
- (k) Hazard light (front/rear)
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Numbers, colour, Power (watts) _____
 - (iv) Certification Approval _____
 - (v) Rate of flashing _____
- (n) Registration Plate Lamps
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Numbers, colour, Power (watts) _____
 - (iv) Certification Approval _____
- (o) Rear fog lamps
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Numbers, colour, Power (watts) _____
 - (iv) Certification Approval _____

- (p) Rear side marker lamps
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Numbers, colour, Power (watts) _____
 - (iv) Certification Approval _____

20. Warning device

- (a) Honk
 - (i) Name of producer _____
 - (ii) Type _____
 - (iii) Level of loudness _____
 - (iv) Certification Approval _____

21. Rear view mirror

- (a) Left
 - (i) Type _____
 - (ii) Dimension and radius curvature _____
- (b) Right
 - (i) Type _____
 - (ii) Dimension and radius curvature _____
- (c) Inside
 - (i) Type _____
 - (ii) Dimension and radius curvature _____
 - (iii) One way or two ways adjustment _____

22. Meters and dash board

(a) Speedometer

(i) Type _____

(ii) Certification Approval _____

(b) Tachometer

(i) Type _____

(ii) Certification Approval _____

(c) Odometer

(i) Type _____

(ii) Certification Approval _____

(d) Other meter fitted

(i) Type _____

(ii) Certification Approval _____

27. Other accessories fitted

(a) _____

(b) _____

(c) _____

(d) _____

(d) _____

* Standard Compliance

Part III. Declaration

The following documents shall be submitted:-

1. Chassis frame strength calculation (**For Chassis Joint only**).

The strength calculation shall be attached.

Please specify the standard adopted.

Note: The measurement by strain gauge etc. may be substituted for strength calculation.

I hereby certify that to the best of my knowledge, the above information are correct and I fully understand that should any of the above information is found to untrue, the application may be rejected or the type approval certificate, if issued, may be cancelled or suspended.

Date:

(Signature)

Name:

Position: