JADUAL I (SCHEDULE I)

Type Approval Performance Requirements (M – Passenger Vehicle)

Item No.	Subject	National Acceptance (Construction & Use Rules 1959)	Actual Compliance (Performance)	Date of approval
1	Reflex Reflectors	UN R3.02		
2	Rear Registration Plate Lamp	UN R4.00		
3	Indicator Performance	UN R6.01		
4	Brake lamp performance	UN R7.02		
5	Radio Interference Suppression	UN R10.04		
6	Door Latches and Hinges (M1 only)	UN R11.03		
7	Brake performance	UN R13.11 / R13H.00		
8	Safety Belt Anchorages	UN R14.06		
9	Exhaust Emission	Peraturan-Peraturan Kualiti Alam Sekeliling (Kawalan Pelepasan Daripada Enjin Petrol/Diesel) 1996. UN R15 / R24 / R49 / R83 (DOE)		
10	Safety Belt	MS 1175 UN R16.06		
11	Seats	UN R17.07 / R80.02		
12	Protection Against Unauthorised Use	MS 1742 UN R18.03 / R97.01 / R116.00		
13	Front Fog Lamps (If fitted)	UN R19.04		
14	Interior Fittings (M1 only)	UN R21.01		
15	Reversing Lamps	UN R23.00		
16	Head Restraint	UN R25.04		

Item No.	Subject	National Acceptance (Construction & Use Rules 1959)	Actual Compliance (Performance)	Date of approval
17	External Projection (M1 only)	UN R26.03		
18	Audible Warning Device	UN R28.00		
19	Tyres	MS 149 MS 224 (Retreaded) UN R30.02 / R54.00 UN R108.00 / R109.00 (Retreaded) FMVSS 109		
20	Prevention of Fire Risks	UN R34.02		
21	Construction of Public Service Vehicles	UN R36.03 / R52.01		
22	Filament Lamps	UN R37.03		
23	Rear Fog Lamps	UN R38.00		
24	Speedometer	UN R39.00		
25	Safety Glass	MS 595 UN R43.00		
26	Headlamp Cleaners	UN R45.01		
27	Rear View Mirrors	UN R46.02		
28	Installation of Lights	MS ISO 303 UN R48.06 (HID) UN R48.03 (Other Lights)		
29	Noise Emission	Peraturan-Peraturan Kualiti Alam Sekeliling (Bunyi Bising Kenderaan Motor) 1987. UN R51 (DOE)		
30	Mechanical Coupling	UN R55.01		
31	Temporary Spare Tyres (if fitted) (M1 only)	UN R64.02		

Item No.	Subject	National Acceptance (Construction & Use Rules 1959)	Actual Compliance (Performance)	Date of approval
32	Strength of Super Structure (Large Passenger Vehicle) (M2 & M3 only)	UN R66.02		
33	Parking Lamps (If fitted)	UN R77.00		
34	Steering Equipment	UN R79.01		
35	Speed Limitation Device (Mandatory for M2 & M3)	UN R89.00		
36	Side-marker Lamps (If fitted)	UN R91.00		
37	Protection of the Occupants in the Event of a Frontal Collision (M1 only)	UN R94.02		
38	Protection of the Occupants in the Event of a Lateral Collision (M1 only)	UN R95.03		
39	Gas Discharge Headlamps / Light Source	UN R98.01 / R99.00		
40	Construction of Battery Electric Vehicle	UN R100.00		
41	Emission of Carbon Dioxide and Fuel Consumption (EEV and M1 only)	UN R101.01		
42	Headlamps (Asymmetrical)	UN R112.01		
43	Tyres with regard to rolling sound emission	UN R117.02		
44	Cornering Lamp (If fitted)	UN R119.01		
45	Hand Controls, Tell-tales and indications	UN R121.00		

SCHEDULE II

APPLICATION FOR TYPE APPROVAL OF MOTOR VEHICLE

Reference No :

Date of submission.

Part 1: General Information

1. Applicant's name and address

_____

_____

_____

_____

_____

2. Make (Manufacturer) : _____

Model Name : _____

Model Code : _____

Model Year : _____

3. Type and configuration body :

_____

4. Country of manufacture

_____

5. Proposed usage

_____

Part II. <u>Specifications</u>

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

1. Dimensions

(a) Overall length (mm) _____

(b) Overall width (mm) _____

(c) Overall height (mm) _____

(d) Wheel base (mm) _____

i. Between first and second axles _____

ii. Between second and third axles _____

iii. Between third and fourth axles _____

(e) Ground clearance (mm)

i. Unladen _____

ii. Fully laden _____

(f) Width Track (mm)

i. Front axles _____

ii. Rear axles _____

(g) Body overhang (mm)

i. Front end _____

ii. Rear end _____

(h) Chassis frame overhang (mm)
(For chassis-cab model)

i. Front end _____

ii. Rear end _____

(i) Minimum turning circles (mm)

i. Kerb to kerb _____

ii. Body to body _____

(j) Gravity height (mm) _____

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) _____

iii. Rear second axles (kg) _____

(d) Design gross vehicle weight (kg) _____

3. Maximum stable inclination angle _____

4. Seating capacity (person) _____

5. Drive: Front wheel/Rear wheel/4 wheel _____

6. 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 _____

Other Than Motorcycle :

Front / Rear (Min 280 mm x 200 mm) – vertical _____

Front / Rear (Min 450 mm x 90 mm) – horizontal _____

7. 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 _____

(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 _____

7A. 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) Type of supercharger or turbocharger _____

(h) Battery Type _____

(i) Battery Capacity _____

(j) Battery Consumption (Wh / 100 km) _____

8. 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 _____

9. 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 _____

10. Running system

(a) Front axle type _____

(b) Rear axle type _____

(c) Tyre size

(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

(i) Front wheel _____

(ii) Rear wheel _____

(iii) Spare wheel _____

(f) Air pressure

(i) Front wheel _____

(ii) Rear wheel _____

(iii) Spare wheel _____

(g) Ply rating

(i) Front wheel _____

(ii) Rear wheel _____

(iii) Spare wheel _____

(h) Maximum load on tyre

(i) Front wheel _____

(ii) Rear wheel _____

(iii) Spare wheel _____

11. 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 _____

(d) Type of stabilizer

(i) Front wheel _____

(ii) Rear wheel _____

(iii) Name of producer _____

12. Steering System

(a) Steering wheel positions (LHS/RHS) _____

(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 _____

13. Brake System

(a) Service brake (Attached test report for service brake)

(i) Type

-Front _____

-Rear _____

(ii) Size of brake _____

(iii) Control system and
No. of braking wheel _____

(iv) Brake pipes/hoses

-Material _____

(v) Booster

-Type _____

-Magnification _____

(vi) 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) Performance* _____

(d) Emergency brake (if any)

(i) Type _____

(ii) Performance* _____

(e) Separate brake (if any)

(i) Type _____

(ii) Performance* _____

14. Chassis frame

(a) Type _____

(b) Cross section dimension _____

(c) Type of material _____

(d) Type of side protection device _____

(e) Sample of chassis code number _____

15. Body

(a) Type _____

(d) Any back protection device _____

16. Equipment for passengers

(a) Seat belt anchorage

(i) Type _____

(ii) Number _____

(iii) Performance* _____

(b) Seat belt

(i) Name of producer _____

(ii) Type _____

(iii) Number _____

(iv) Performance* _____

(c) Head restraint

(i) Name of producer _____

(ii) Type _____

(iii) Number _____

(iv) Performance* _____

(d) Doors

(i) Type _____

(ii) Number _____

(v) Performance* _____

17. Glass

(a) Front windscreen

(i) Name of producer _____

(ii) Kind/Type of glass _____

(iii) Thickness _____

(iv) % of light transmission _____

(v) Performance* _____

(b) Side windows

(i) Name of producer _____

(ii) Kind/Type of glass _____

(iii) Thickness _____

(iv) % of light transmission _____

(v) Performance* _____

(c) Rear screen

(i) Name of producer _____

(ii) Kind/Type of glass _____

(iii) Thickness _____

(iv) % of light transmission _____

(v) Performance* _____

18. 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) Performance* _____

19. 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) Performance* _____

20. 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) Performance* _____

21. Lighting equipment

(a) Head lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Automatic or manual low and high adjuster _____

(v) Performance* _____

(b) Front fog lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(c) Front turning lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Rate of flashing _____

(v) Performance* _____

(d) Front side turning lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(e) Daytime running lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(f) Rear reflex reflector

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(g) High mount stop lamps (3rd brake light)

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(h) Tail lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(i) Stop lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(j) Rear turning lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(v) Rate of flashing _____

(k) Hazard light (front/rear)

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(v) Rate of flashing _____

(l) Passenger compartment lamp

(i) Name of producer _____

(ii) Type _____

(iii) Number and colour _____

(iv) Performance* _____

(m) Back -up lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(n) License lamps (front/rear)

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(o) Rear fog lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(p) Rear side marker lamps

(i) Name of producer _____

(ii) Type _____

(iii) Numbers, colour ...watts _____

(iv) Performance* _____

(q) Filament lamps

(i) Name of producer _____

(ii) Type _____

(v) Numbers, colour,.....watts _____

(iv) Performance* _____

22. Warning device

(a) Horn

(i) Name of producer _____

(ii) Type _____

(iii) Level of loudness _____

(iv) Performance* _____

23. Rear view mirror (Automatic or manual adjustment)

(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 _____

24. Wipers

(a) Type _____

(b) Number _____

(c) Performance* _____

25. Meters and dash board

(a) Speedometer

(i) Type _____

(ii) Performance* _____

(b) Tachometer

(i) Type _____

(ii) Performance* _____

(c) Odometer

(i) Type _____

(ii) Performance* _____

(d) Other meter fitted

(i) Type _____

(ii) Performance* _____

26. Maximum Speed (With Speed Limiter – If fitted) _____

27. Other accessories fitted

(a) _____

(b) _____

(c) _____

(d) _____

(d) _____

* Standard Compliance

Part III. <u>Declaration</u>

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.

2. Test data/ reports to be attached

   The test data/ report as per the requirement as stipulated in schedule 1 of the motor vehicles (Type Approval and Recalling) rules 1998 shall be attached.

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: