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EXTRAORDINARY

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**PART I : SECTION (I) — GENERAL**

L.D.B/4/81(II)

**Government Notifications**

**THE NATIONAL ENVIRONMENTAL ACT, No. 47 OF 1980**

REGULATIONS made by the President under section 32 of the National Environmental Act, No. 47 of 1980 read with section 23J and 23K of that Act and paragraph (2) of Article 44 of the Constitution of the Democratic Socialist Republic of Sri Lanka.

MAITHRIPALA SIRISENA,  
President

Colombo,  
10<sup>th</sup> July 2018.

**Regulations**

National Environmental (Air Emission, Fuel and Vehicle Importation Standards) Regulations No. 1 of 2003, published in the *Gazette Extraordinary* No. 1295/ 11 and dated June 30, 2003 as amended from time to time are here by further amended as follows :-

(1) by the repeal of PART III thereof, and the substitution therefor of the following :-

“Part III

**VEHICULAR EXHAUST EMISSION STANDARDS FOR IMPORTATION, MANUFACTURING OR ASSEMBLING OF VEHICLES**

6. (1) The permissible vehicular exhaust emission limits for every motor vehicle that is imported to Sri Lanka or assembled or manufactured locally shall be as set out in the Third Schedule hereto.



(2) Every person who manufactures or assembles a motor vehicle or engine in Sri Lanka shall provide a certificate of conformity of type approval of the production and, minimum number of samples to be tested for providing the certificate of conformity shall be as set out in the Fourth Schedule hereto.

(3) Every person who imports a motor vehicle shall produce a certificate of compliance on vehicular exhaust emission standards issued by the manufacturer or any accredited vehicle emission testing center that has been accepted by the Import Export Control Department to the Sri Lanka Customs and the Commissioner General of Motor Traffic.

(4) Every person who assembles or manufactures a motor vehicle shall produce for every type of motor vehicle so produced or assembled a certificate of type approval on vehicular exhaust emission standards issued by any accredited vehicle emission testing center that has been accepted by the Department of Motor Traffic with the consent of the Central Environmental Authority to the Commissioner General of Motor Traffic.

(5) Every person who registers a motor vehicle shall produce a certified copy of type approval on vehicular exhaust emission standards issued by the manufacturer or any accredited vehicle emission testing center to the Commissioner General of Motor Traffic.

(6) No certificate issued under these regulations by an accredited vehicle emission testing center in respect of the vehicular exhaust emission levels for Carbon Monoxide (CO), Hydrocarbon (HC), Nitrogen Oxides (NOx), Particulate Matters (PM) and Hydrocarbon & Nitrogen Oxides (HC+NOx) shall be considered valid, unless the measuring equipment used to test and certify the compliance of the Vehicular Exhaust Emission Standards for Carbon Monoxide (CO), Hydrocarbon (HC), Nitrogen Oxides (NOx), Particulate Matters (PM) and Hydrocarbon & Nitrogen Oxides (HC+NOx) is in compliance with the method specified under the Third Schedule hereto.

(7) No certificate issued under these regulations by an accredited vehicle emission testing center in respect of the vehicular exhaust emission levels for Smoke Opacity, shall be considered valid unless the measuring equipment used to test and certify the compliance of the Vehicular Exhaust Emission Standards for Smoke Opacity, is in Compliance with the method specified under Third Schedule hereto.”.

(2) by the repeal of the Third Schedule thereto , and the substitution therefor of the following :--

**“Third Schedule**

**Emission Standards applicable for vehicles and engines imported into Sri Lanka, and manufactured or assembled in Sri Lanka**

**Table 1 : Emission Standards for Petrol Vehicles having GVW < 3500 kg**

<i>Category of vehicle</i>	<i>Class and RM of the Vehicle</i>	<i>CO g/km</i>	<i>HC g/km</i>	<i>NOx g/km</i>	<i>Test</i>
Vehicle having GVW ≤ 2500 kg or up to six seats	All	1.00	0.1	0.08	NEDC, MIDC or equivalent
Vehicle having 2500kg ≤ GVW ≤ 3500 kg or above six seats	Class I, ≤1305kg	1.00	0.1	0.08	NEDC, MIDC or equivalent
	Class II, 1306 kg - 1760 kg	1.81	0.13	0.10	NEDC, MIDC or equivalent
	Class III, ≥ 1761 kg	2.27	0.16	0.11	NEDC, MIDC or equivalent

- (a) GVW means gross vehicle weight
- (b) RM means reference mass of a vehicle
- (c) NEDC means New European Driving Cycle
- (d) MIDC means Modified Indian Driving Cycle

**Table 2 : Emission Standards for Diesel Vehicles having GVW < 3500 kg**

Category of vehicle	Class and RM of the Vehicle	CO g/km	HC+ NOx g/km	NOx g/km	PM g/km	Test
Vehicle having GVW ≤ 2500 kg or up to six seat	All	0.50	0.30	0.25	0.025	NEDC/ MIDC or equivalent
Vehicle having 2500kg ≤ GVW ≤ 3500 kg or above six seats	Class I, ≤ 1305kg	0.50	0.30	0.25	0.025	NEDC/ MIDC or equivalent
	Class II, 1306kg - 1760 kg	0.63	0.39	0.33	0.040	NEDC/ MIDC or equivalent
	Class III, ≥ 1761 kg	0.74	0.46	0.39	0.060	NEDC/ MIDC or equivalent

- (a) GVW means gross vehicle weight
- (b) RM means reference mass of a vehicle
- (c) NEDC means New European Driving Cycle
- (d) MIDC means Modified Indian Driving Cycle

**Table 3 : Mass Emission Standards for Petrol Two Wheelers**

**Part I :** Category and classification of vehicles.

Category	Classification of category
Category 1	50 cc < Engine capacity < 150 cc and $V_{max} \leq 50$ km/h or Engine capacity < 150 cc and $50 \text{ km/h} < V_{max} < 100 \text{ km/h}$
Category 2	Engine capacity < 150 cc and $100 \text{ km/h} \leq V_{max} < 115 \text{ km/h}$ or Engine capacity ≥ 150 cc and $V_{max} < 115 \text{ km/h}$
Category 3	Any two wheeler having $115 \text{ km/h} \leq V_{max} < 130 \text{ km/h}$
Category 4	Any two wheeler having $130 \text{ km/h} \leq V_{max} < 140 \text{ km/h}$
Category 5	Any two wheeler having $V_{max} \geq 140 \text{ km/h}$

- (a)  $V_{max}$  means maximum velocity of two wheeler
- (c) Regulation provided that two wheeled vehicle fitted with a diesel engine, the emission standards specified for diesel three wheelers in part II; Table 4 of this schedule shall be applied.

**Part II : Mass Emission Standards**

Category of the Vehicle	CO (g/km)	NOx (g/km)	HC + NOx (g/km)	
			evaporative emission complies with 2 g/ test	evaporative emission complies with 6g/ test
Category 1 and 2	1.403	0.39	0.79	0.59
Category 3	1.970	0.34	0.67	0.47
Category 4 and 5	1.970	0.20	0.40	0.20

Applicable test for determination of mass emissions shall be World Harmonized Motorcycle Test Cycle (WMTC)

**Part III :** Mass Emission standards for two wheelers where engine capacity equal or less than 50 cc and  $V_{max}$  equal or less than 50 km/h

Description	CO	HC + NOx
Standard (g/km)	0.75	0.75
Deterioration Factors (DF)	1.2	1.2

Applicable test for determination of mass emissions shall be World Harmonized Motorcycle Test Cycle (WMTC)

**Table 4 : Mass Emission Standards for Three Wheelers**

**Part I ;** Mass Emission standards for Three wheelers fitted with petrol engine

Description	CO	HC + NOx	
		evaporative emission complies with 2 g/ test	evaporative emission complies with 6g/ test
Standard (g/km)	0.94	0.94	0.74
Deterioration Factor	1.2	1.2	1.2

- (a) Applicable test for determination of mass emissions shall be WMTC or Indian Drive Cycle (IDC)
- (b) Determination of evaporative emissions; hot soak lost test : one hour and Diurnal lost test : one hour

**Part II ;** Mass Emission Standards for Three wheelers fitted with Diesel (compression ignition) engine

Description	CO	HC+NOx	PM
Standard (g/km)	0.38	0.38	0.0425
Deterioration Factor	1.1	1.0	1.2

Applicable test for determination of mass emissions shall be WMTC or Indian Drive Cycle (IDC)

**Part III ; Mass Emission standards for Three wheelers fitted with compressed natural gases (CNG) or liquefied petroleum gas (LPG) engine**

<i>Description</i>	<i>CO</i>	<i>HC+NOx</i>
Standard (g/km)	0.94	0.94
Deterioration Factor	1.2	1.2

Applicable test for determination of mass emissions shall be WMTC or Indian Drive Cycle (IDC)

**Table 5 : Emission Standards for Heavy vehicles and Haavy Engines**

<i>Category of Vehicle</i>	<i>CO g/kWh</i>	<i>THC g/kWh</i>	<i>CH<sub>4</sub> g/kWh</i>	<i>NOx g/kWh</i>	<i>PM g/kWh</i>	<i>Smoke m<sup>-1</sup></i>	<i>Test cycle</i>
Diesel vehicles with GVW > 3500kg	1.5	0.46	N/A	3.5	0.02	0.5	ESC
CNG or LPG or other vehicles with GVW > 3500kg	4.0	N/A	1.1	3.5	0.03	N/A	ETC

- (a) Smoke means free acceleration smoke opacity per meter (m<sup>-1</sup>)
- (b) ESC means engine steady state cycle
- (c) ETC means engine transient state cycle
- (d) THC means total hydrocarbon

**Table 6 : Emission Standards for Construction Equipment Vehicles**

<i>Equipment Power category</i>	<i>CO g/kWh</i>	<i>HC+NOx g/k Wh</i>	<i>PM g/kWh</i>	<i>Smoke m<sup>-1</sup></i>	<i>Test cycle</i>
kW < 8	8.0	7.5	0.8	3.25	ISO 8178-4 “C1” 8 mode cycle for variable speed engines, or ISO 8178-4 “D2” 5 mode cycle for constant speed engines
8 ≤ kW < 19	6.6	7.5	0.8	3.25	
19 ≤ kW < 37	5.5	7.5	0.6	3.25	
37 ≤ kW < 75	5.0	4.7	0.4	3.25	
75 ≤ kW < 130	5.0	4.0	0.3	3.25	
130 ≤ kW	3.5	4.0	0.2	3.25	

Smoke means smoke opacity of 80% of full load per meter (m<sup>-1</sup>) ”.

(3) by the addition immediately after the Third Schedule thereof, of the following new Schedule :-

**“Schedule IV**

Conformity requirement of Product for manufacturing or assembling vehicle, engine and/or equipment in Sri Lanka.

<i>Vehicle/Engine</i>	<i>Annual production/ assembling capacity</i>		<i>COP* frequency</i>	<i>Minimum COP sample</i>
	<i>Upto</i>	<i>Above</i>		
Two/Three wheeler	500	-	Once every year	1
Two/Three wheeler**	-	501	Once every year	3
Light duty passenger**	-	-	Once six month	3
Light duty commercial**	-	-	Once six month	3
All heavy duty vehicles**	-	-	Once every year	3
Engines/equipment	-	-	Once every year	3

COP (\*) : conformity of product

\*\* - similar meaning as indicated in Motor Traffic Act.”

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