



**EXTRAORDINARY  
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ISLAMABAD, \_\_\_\_\_ 2008

**PART-II**

**Statutory Notifications (S.R.O)**

GOVERNMENT OF PAKISTAN

**MINISTRY OF ENVIRONMENT**

**NOTIFICATION**

Islamabad, the \_\_\_\_\_, 2008

**S.R.O.**\_\_\_\_\_ In exercise of the powers conferred under clause (c) of sub-section (1) of section 6 of the Pakistan Environmental Protection Act, 1997 (XXXIV of 1997), the Pakistan Environmental Protection Agency, in anticipation of approval of the Pakistan Environmental Protection Council, is pleased to direct that the following further amendments shall be made in its Notification No. S.R.O.742 (I)/93, dated the 24<sup>th</sup> August, 1993, namely: \_\_\_\_\_

In the aforesaid Notification, in paragraph 2. \_\_\_\_\_

(1) Annex-III shall be replaced with the following Annex-III (amended):-

**Annex-III (Amended)**

**NATIONAL ENVIRONMENTAL QUALITY STANDARDS FOR MOTOR  
VEHICLE EXHAUST AND NOISE**

**(i) For Inuse Vehicles**

S. No.	Parameter	Standards (maximum permissible limit)	Measuring method	Applicability
1.	2.	3.	4.	5.
1.	Smoke	40% or 2 on the Ringlemann Scale during engine acceleration mode.	To be compared with Ringlemann Chart at a distance of 6 meters or more.	Immediate effect
2.	Carbon Monoxide.	6%	Under idling conditions: Non-dispersive infrared detection through gas analyzer.	
3.	Noise	85 db (A).	Sound – meter at 7.5 meters from the source.	

(ii). For New Vehicles

**EMISSION STANDARDS FOR DIESEL VEHICLES**

(a). For Passenger Cars and Light Commercial Vehicles (g/Km)

Type of Vehicle	Category / Class	Tiers	CO	HC+NO <sub>x</sub>	PM	Measuring Method	Applicability
1.	2.	3.	4.	5.	6.	7.	8.
Passenger Cars	M 1: With reference mass (RW) upto 2500 kg. Cars with RW over 2500 kg to meet N1 category standards.	Pak-II, IDI	1.0	0.7	0.08	NEDC (ECE 15 + EUDCL)	i. All imported and local manufactured diesel vehicles w.e.f. 01-07-2012.
		Pak-II, DI	1.0	0.9	0.10		
Light commercial Vehicles	N1-I (RW < 1250 kg)	Pak-II, IDI	1.0	0.70	0.08		
		Pak-II, DI	1.0	0.90	0.10		
	N1-II (1250 kg < RW < 1700 kg)	Pak-II, IDI	1.25	1.0	0.12		
		Pak-II, DI	1.25	1.3	0.14		
	N1-III (RW > 1700 kg)	Pak-II, IDI	1.50	1.2	0.17		
		Pak-II, DI	1.50	1.6	0.20		

Parameter	Standards (maximum permissible limit)	Measuring method
Noise	85 db (A)	Sound - meter at 7.5 meters from the source.

(b). For Heavy Duty Diesel Engines and Large Goods Vehicles (g/Kwh)

Type of Vehicle	Category / Class	Tiers	CO	HC	NO <sub>x</sub>	PM	Measuring Method	Applicability
1.	2.	3.	4.	5.	6.	7.	8.	9.
Heavy Duty Diesel Engines	Trucks and Buses	Pak-II	4.0	1.1	7.0	0.15	ECE R-49	All imported and local manufactured diesel vehicles w.e.f. 01-07-2012.
Large goods vehicles	N2 (2000 and up)	Pak-II	4.0	7.0	1.10	0.15	EDC	

Parameter	Standards (maximum permissible limit)	Measuring method
Noise	85 db (A)	Sound - meter at 7.5 meters from the source.

**EMISSION STANDARDS FOR PETROL VEHICLES (g/km)**

Type of Vehicle	Category / Class	Tiers	CO	HC+NO <sub>x</sub>	Measuring Method	Applicability
1.	2.	3.	4.	5.	6.	7.
Passenger Cars	M 1: With reference mass (RW) upto 2500 kg. Cars with RW over 2500 kg to meet N1 category standards.	Pak-II	2.20	0.5	NEDC (ECE 15 + EUDCL)	All imported and new models* locally manufactured petrol vehicles w.e.f. 1 <sup>st</sup> July, 2009
Light commercial Vehicles	N1-I (RW < 1250 kg)	Pak-II	2.20	0.5		
	N1-II (1250 kg < RW < 1700 kg)	Pak-II	4.0	0.65		
Motor Rickshaws & Motor Cycles	N1-III (RW > 1700 kg)	Pak-II	5.0	0.8	ECE R 40	
	2, 4 strokes < 150 cc	Pak-II	5.5	1.5		
	2, 4 strokes > 150 cc	Pak-II	5.5	1.3		

Parameter	Standards (maximum permissible limit)	Measuring method
Noise	85 db (A)	Sound - meter at 7.5 meters from the source.

Explanations:

- DI: Direct Injection.
- IDI: Indirect Injection.
- EUDCL: Extra Urban Driving Cycle.
- NEDC: New European Driving Cycle.
- ECE: Urban Driving Cycle.
- M: Vehicles designed and constructed for the carriage of passengers and comprising no more than eight seats in addition to the driver's seat.
- N: Motor vehicles with at least four wheels designed and constructed for the carriage of goods.

\* New model means both model and engine type change.

\*\* The existing models of petrol driven vehicles locally manufactured will immediately switch over to Euro-II emission standards but not later than 30<sup>th</sup> June, 2012.