

Control of Air pollution

Control of particulate matter

Control of Gaseous pollutants

Arresters

Scrubbers



cyclonic separators
dust separation by centrifugal force.

Electrostatic Precipitation
particulate matter

Negative Charge



Euro-norms

Bharat stage Norms (Euro norms)	Type of Vehicles	Cities	Date of Implementation	Amount of Sulphur in petrol	Amount of sulphur in diesel	ABLES[®] KOTA % of Hydrocarbon content in fuels
Euro-III	2, 3, 4 wheelers	All over india	October 2010	150 ppm	350 ppm	42%
Euro-IV	4 wheelers	13 mega cities	April 2010	50 ppm	50 ppm	35%
Euro IV	2, 3 4 wheelers	All	April 2017	50 ppm	50 ppm	35%
Euro IV	2, 3 4 wheelers	All over india	April 2020	10 ppm	10 ppm	35%

Control of Gaseous pollutants

Absorption

gaseous
poison

Adsorption

Pb ↓ ↓

platinum, palladium

Rhodium

✓ Combustion $\frac{CO}{CO_2}$

Catalytic
converters

$CO_2 + H_2O$

Automobile
exhaust

Hydrocarbons

→ platinum

Carbon monoxide

→ palladium

→ CO_2

Nitric oxides

→ Rhodium

→ N_2