

Note :

- (a) Above specifications applied to leaded as well as unleaded petrol except lead content.
- (b) For new refineries coming up during or after 1997 the specification applicable by 2000 for existing refineries shall be applicable by 1997.

78. SPECIFICATION OF DIESEL FUEL FOR EMISSION RELATED PARAMETERS :

Sl.No.	Characteristics	Requirement	Method of Test Ref. To P : of IS : 1448
(i)	Density at 15° C, Kg/m ³	820 to 880 ⁽¹⁾	P : 32
(ii)	Cetane Number, Min	45° ⁽²⁾	P : 9
(iii)	Distillation 85 percent by volume recovery at °C Max 95 percent by volume recovery at °C,Max	350 370	P : 18
(iv)	Sulphur, percent by mass	0.50 ⁽³⁾	P : 33

(1) 820 to 860 by 2000 AD

(2) 48 by 31st December,1998(except in the refineries- Digboi, Gauhati and Bongaigaon Refineries & Petrochemicals Ltd.)

- (3) (i) 0.50 percent by mass by 1st April 1996 in four metros and Taj Trapezium;
- (ii) 0.25 percent by mass by 1st October,1996 in Taj Trapezium;
- (iii) 0.25 percent by mass by 1st April,1996 throughout the country.

Note :

- (a) Above specifications apply to HSD only.
- (b) For new refineries coming during or after 1997 specification applicable by 2000 for existing refineries shall be applicable by 1997.
- (c) 'P' refers to parts of IS : 1448.

Sl. No.	Industry	Parameter	Standard		
			New Batteries (at Green Field Site)	Rebuild Batteries	Existing Batteries
Fugitive Visible Emissions					
¹ [² 79	COKE OVEN PLANTS (by product recovery type)	(a) Leakage from door (b) Leakage from charging lids (c) Leakage from AP Covers (d) Charging emission (Second/charge)	5(PLD)* 1(PLL)* 4(PLO)* 16(with HPLA)*	10(PLD)* 1(PLL)* 4(PLO)* 50 (with HPLA)*	10(PLD)* 1 (PLL)* 4(PLO)* 75
Stack Emission of Coke Oven					
	(a) SO ₂ (mg/Nm ³)		800	800	800
	(b) NO _x ,(mg/ Nm ³)		500	500	500
	(c) SPM,(mg/Nm ³)		50	50	50
	(d) SPM emission during charging – for stamp charging batteries (stack emission) mg/Nm ³		25	25	25
	(e) SPM emission during coke pushing (stack emission) gm/ton of coke		5	5 (applicable to stationary land based system)	-
	(f) Sulphur in Coke Oven gas used for heating (mg/Nm ³)		800	-	-
Emission for quenching operation					
	(a) Particulate matter gm/tonne of coke produced		50	50	-
Benzo-Pyrene (BaP) concentration in work zone air (µg/m³)					
	(a)Battery area (top of the battery)		5	5	5
	(b) Other units in coke oven plant		2	2	2
	(c)Ambient standards (mg/Nm ³)		10	10	10

¹ Substituted by Rule 2(vi) by Rule 2(VI) of the Environment (Protection) First Amendment Rules, 2006 notified vide Notification G.S.R.46(E), dated 3.2.2006.

² Sl. No. 79 and entries relating thereto inserted by the Environment (Protection) Second Amendment Rules, 1997 vide G.S.R. 631(E), dated 31.10.1997.