

The following draft notification, which the Central Government proposes to issue under the Environment (Protection) Act, 1986 (29 of 1986), is hereby published for the information of public likely to be affected thereby; and the notice is hereby given that the said draft notification shall be taken into consideration on or after the expiry of a period of thirty days from the date on which this draft has been made available to public through this website. The comments may be sent to MS, CPCB and Mr. Dinesh Runiwal, DD (CP): adaba.cpcb@nic.in and d.runiwal@gov.in

[To be published in the Gazette of India, Extraordinary, Part II, Section 3, sub-section (i)]

GOVERNMENT OF INDIA

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi,, 2016

G.S.R. In exercise of the powers conferred by Section 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986 namely,

- 1) These rules may be called the Environment (Protection) Amendment Rules, 2016.
- 2) They shall come into force on the date of their publication in the Official Gazette.

Parameter	Standard			
1. Coke Oven				
1.1 Emission Standard				
1.1.1 Fugitive Visible Emissions Standard				
	New / Rebuilt Batteries ¹		Existing Batteries	
	By product recovery type	Non recovery type	By product recovery type	Non recovery type
Leakage from doors (PLD- Percent leaking doors)	3.3	0	05	0
Leakage from charging lids (PLL- Percent leaking lids)	0.4	0	0.7	0
Leakage from AP covers (PLO- Percent leaking off takes)	02	0	02	0
Charging Emission (second/ charge)	16 (with HPLA*)		50 (with HPLA*)	
*HPLA- Aspiration through high pressure liquor injection in gooseneck				
1.1.2 Stack Emission Standard				
Particulate Matter (mg/Nm ³)	20		40	
SO ₂ (mg/Nm ³)	200		500	

NOx (mg/Nm³)	250	350
1.1.3 Fugitive Emission Standard		
Benzo(a) Pyrene battery area (top of the battery) µg/m³	5	5
Benzo(a) Pyrene (Other units in coke oven plant) µg/m³	2	2
1.2 Effluent Standard		
	New units¹	Existing units
pH	6 to 8.5	6 to 8.5
Oil & grease (mg/l)	05	05
Suspended solids (mg/l)	30	50
BOD, 3 days at 27 °C (mg/l)	20	20
COD (mg/l)	250	250
Ammonical nitrogen as N (mg/l)	30	30
Cyanide as Free CN (mg/l)	0.1	0.1
Phenol (mg/l)	0.5	0.5
Zero liquid discharge shall be maintained. Entire effluent shall be collected and treated as per given standards before reuse.		
2. Sinter Plant		
2.1 Emission Standard		
2.1.1 Stack Emission Standard		
	New units¹	Existing units
Particulate Matter- Process & dedusting (mg/Nm³)	40	50
2.1.2 Fugitive Emission Standard		
Particulate Matter of size less than 10 µm i.e. PM ₁₀ (µg/m³)	2000 at 10 metre	2000 at 10 metre
2.2 Effluent Standard		
	New units¹	Existing units²
pH	Zero Liquid Discharge	6 - 8.5
SS (mg/l)		100
O & G (mg/l)		10
²Plants shall phase out wet cleaning systems and ensure zero liquid discharge within 24 months of date of notification. Till then, given standards shall be applicable.		

3. Blast Furnace		
3.1 Emission Standard		
3.1.1 Stack Emission Standard		
	New units ¹	Existing units
Particulate Matter - BF stove, Space dedusting/ other stacks of BF area (mg/Nm ³)	20	30
3.1.2 Fugitive Emission		
Particulate Matter of size less than 10 µm i.e. PM ₁₀ (µg/m ³)	2000 at 20 metre	2000 at 20 metre
3.2 Effluent		
	New units ¹	Existing units ²
SS (mg/l)	Zero Liquid Discharge	50
O & G (mg/l)		10
CN (mg/l)		0.2
Amm N (mg/l)		50
² Plants shall phase out wet cleaning systems and ensure zero liquid discharge within 24 months of date of notification. Till then, given standards shall be applicable.		
4. Basic Oxygen Furnace		
4.1 Emission Standard		
4.1.1 Stack Emission Standard		
Particulate Matter (mg/Nm ³)	New units ¹	Existing units
a) Converter During blowing & lancing operation	Only BOF gas recovery	100 for unit without BOF gas recovery
During normal operation	Only BOF gas recovery	50 for unit without BOF gas recovery
b) Dedusting of de sulphurization, secondary	30	50
4.1.2 Fugitive Emission Standard		
Particulate Matter of size less than 10 µm i.e. PM ₁₀ (µg/m ³)	2000 at 10 metre	2000 at 10 metre
4.2 Effluent Standard		
	New units ¹	Existing units ²

pH	Zero Liquid Discharge	6- 8.5
SS (mg/l)		100
O & G (mg/l)		10
² Plants shall phase out wet cleaning systems and ensure zero liquid discharge within 24 months of date of notification. Till then, given standards shall be applicable.		
5. Rolling Mill (operating within steel plant)		
5.1 Stack Emission Standard		
	New units ¹	Existing units
Particulate Matter- Process & de-dusting (mg/Nm ³)	30	30
5.2. Effluent Standard		
Plants shall achieve zero liquid discharge.		
6. Lime kiln/ Dolomite kiln/ Calcination plant (operating within steel plant)		
6.1 Stack Emission Standard		
	New units ¹	Existing units
Particulate Matter- Process & dedusting (mg/Nm ³)	30	50
6.1.2 Fugitive Emission Standard		
Particulate Matter of size less than 10 µm i.e. PM ₁₀ (µg/m ³)	2000 at 10 metre	2000 at 10 metre
7. Arc Furnace & Induction Furnace (operating within steel plant)		
7.1 Stack Emission Standard		
	New units ¹	Existing units
Particulate Matter (mg/Nm ³)	20	20
7.2 Fugitive Emission Standard		
Particulate Matter of size less than 10 µm i.e. PM ₁₀ (µg/m ³)	2000 at 10 metre	2000 at 10 metre
8. Pelletization Plant		
8.1 Stack Emission Standard		
	New units ¹	Existing units
Particulate Matter (mg/Nm ³)	50	50

8.2 Fugitive Emission Standard		
Particulate Matter of size less than 10 μm i.e. PM_{10} ($\mu\text{g}/\text{m}^3$)	2000 at 10 metre	2000 at 10 metre
9.Raw Material Handling Area		
Fugitive Emissions Standard		
Particulate Matter of size less than 10 μm i.e. PM_{10} ($\mu\text{g}/\text{m}^3$)	2000 at 10 metre	

¹ Units commissioned on or after date of notification of standards

SPONGE IRON PLANT

Parameter		Standard
1. Stack Emission Standard		
Particulate Matter- Kiln & dedusting (mg/Nm^3)	Coal based	50
	Gas based	10
2. Fugitive Emission Standard		
Particulate Matter of size less than 10 μm i.e. PM_{10} ($\mu\text{g}/\text{m}^3$)		2000 at 10 metre
3. Effluent Standard - Units shall ensure zero liquid discharge.		
New plant shall come up with Waste Heat Recovery Boiler and own or tie up Fluidized Bed Combustion boiler for dolomitic utilization.		
Existing plants shall install Waste Heat Recovery Boiler and own or tie up Fluidized Bed Combustion boiler for dolomitic utilization within 12 months of notification.		

F.No. Q-15017/32/2007-CPW

(Dr. Rashid Hasan)
Advisor

Note: - The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i), *vide* number S.O. 844 (E), dated the 19th November, 1986 and subsequently amended *vide* the following notifications, namely:-

S.O. 433 (E), dated the 18th April 1987; G.S.R. 176(E), dated the 2nd April, 1996; G.S.R. 97 (E), dated the 18th February, 2009; G.S.R. 149 (E), dated the 4th March, 2009; G.S.R. 543(E), dated

the 22nd July, 2009; G.S.R. 739 (E), dated the 9th September, 2010; G.S.R. 809(E), dated, the 4th October, 2010, G.S.R. 215 (E), dated the 15th March, 2011; G.S.R. 221(E), dated the 18th March, 2011; G.S.R. 354 (E), dated the 2nd May, 2011; G.S.R. 424 (E), dated the 1st June, 2011; G.S.R. 446 (E), dated the 13th June, 2011; G.S.R. 152 (E), dated the 16th March, 2012; G.S.R. 266(E), dated the 30th March, 2012; and G.S.R. 277 (E), dated the 31st March, 2012; and G.S.R. 820(E), dated the 9th November, 2012; G.S.R. 176 (E), dated the 18th March, 2013; G.S.R. 535(E), dated the 7th August, 2013; G.S.R. 771(E), dated the 11th December, 2013; G.S.R. 2(E), dated the 2nd January, 2014; G.S.R. 229 (E), dated the 28th March, 2014; G.S.R. 232(E), dated the 31st March, 2014; G.S.R. 325(E), dated the 07th May, 2014, G.S.R. 612, (E), dated the 25th August 2014; G.S.R. 789(E), dated the 11th November 2014; S.O. 3305(E), dated the 7th December, 2015; S.O.4(E), dated 1st January 2016; G.S.R. 35(E), dated 14th January 2016 and lastly amended vide notification G.S.R. 281 (E), dated 7th March, 2016.