

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](mailto:adaba.cpcb@nic.in) and [d.runiwal@gov.in](mailto: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			
<b>1. Coke Oven</b>				
<b>1.1 Emission Standard</b>				
<b>1.1.1 Fugitive Visible Emissions Standard</b>				
	<b>New / Rebuilt Batteries<sup>1</sup></b>		<b>Existing Batteries</b>	
	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				
<b>1.1.2 Stack Emission Standard</b>				
Particulate Matter (mg/Nm <sup>3</sup> )	20		40	
SO <sub>2</sub> (mg/Nm <sup>3</sup> )	200		500	

NO <sub>x</sub> (mg/Nm <sup>3</sup> )	250	350
<b>1.1.3 Fugitive Emission Standard</b>		
Benzo(a) Pyrene battery area (top of the battery) µg/m <sup>3</sup>	5	5
Benzo(a) Pyrene (Other units in coke oven plant) µg/m <sup>3</sup>	2	2
<b>1.2 Effluent Standard</b>		
	<b>New units<sup>1</sup></b>	<b>Existing units</b>
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.		
<b>2. Sinter Plant</b>		
<b>2.1 Emission Standard</b>		
<b>2.1.1 Stack Emission Standard</b>		
	<b>New units<sup>1</sup></b>	<b>Existing units</b>
Particulate Matter- Process & dedusting (mg/Nm <sup>3</sup> )	40	50
<b>2.1.2 Fugitive Emission Standard</b>		
Particulate Matter of size less than 10 µm i.e. PM <sub>10</sub> (µg/m <sup>3</sup> )	2000 at 10 metre	2000 at 10 metre
<b>2.2 Effluent Standard</b>		
	<b>New units<sup>1</sup></b>	<b>Existing units<sup>2</sup></b>
pH	Zero Liquid Discharge	6 - 8.5
SS (mg/l)		100
O & G (mg/l)		10
<sup>2</sup> 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.		

<b>3. Blast Furnace</b>		
<b>3.1 Emission Standard</b>		
<b>3.1.1 Stack Emission Standard</b>		
	<b>New units<sup>1</sup></b>	<b>Existing units</b>
Particulate Matter - BF stove, Space dedusting/ other stacks of BF area (mg/Nm <sup>3</sup> )	20	30
<b>3.1.2 Fugitive Emission</b>		
Particulate Matter of size less than 10 µm i.e. PM <sub>10</sub> (µg/m <sup>3</sup> )	2000 at 20 metre	2000 at 20 metre
<b>3.2 Effluent</b>		
	<b>New units<sup>1</sup></b>	<b>Existing units<sup>2</sup></b>
SS (mg/l)	Zero Liquid Discharge	50
O & G (mg/l)		10
CN (mg/l)		0.2
Amm N (mg/l)		50
<sup>2</sup> 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.		
<b>4. Basic Oxygen Furnace</b>		
<b>4.1 Emission Standard</b>		
<b>4.1.1 Stack Emission Standard</b>		
Particulate Matter (mg/Nm <sup>3</sup> )	<b>New units<sup>1</sup></b>	<b>Existing units</b>
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
<b>4.1.2 Fugitive Emission Standard</b>		
Particulate Matter of size less than 10 µm i.e. PM <sub>10</sub> (µg/m <sup>3</sup> )	2000 at 10 metre	2000 at 10 metre
<b>4.2 Effluent Standard</b>		
	<b>New units<sup>1</sup></b>	<b>Existing units<sup>2</sup></b>

pH	Zero Liquid Discharge	6- 8.5
SS (mg/l)		100
O & G (mg/l)		10
<sup>2</sup> 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.		
<b>5. Rolling Mill (operating within steel plant)</b>		
<b>5.1 Stack Emission Standard</b>		
	<b>New units<sup>1</sup></b>	<b>Existing units</b>
Particulate Matter- Process & de-dusting (mg/Nm <sup>3</sup> )	30	30
<b>5.2. Effluent Standard</b>		
Plants shall achieve zero liquid discharge.		
<b>6. Lime kiln/ Dolomite kiln/ Calcination plant (operating within steel plant)</b>		
<b>6.1 Stack Emission Standard</b>		
	<b>New units<sup>1</sup></b>	<b>Existing units</b>
Particulate Matter- Process & dedusting (mg/Nm <sup>3</sup> )	30	50
<b>6.1.2 Fugitive Emission Standard</b>		
Particulate Matter of size less than 10 µm i.e. PM <sub>10</sub> (µg/m <sup>3</sup> )	2000 at 10 metre	2000 at 10 metre
<b>7. Arc Furnace &amp; Induction Furnace (operating within steel plant)</b>		
<b>7.1 Stack Emission Standard</b>		
	<b>New units<sup>1</sup></b>	<b>Existing units</b>
Particulate Matter (mg/Nm <sup>3</sup> )	20	20
<b>7.2 Fugitive Emission Standard</b>		
Particulate Matter of size less than 10 µm i.e. PM <sub>10</sub> (µg/m <sup>3</sup> )	2000 at 10 metre	2000 at 10 metre
<b>8. Pelletization Plant</b>		
<b>8.1 Stack Emission Standard</b>		
	<b>New units<sup>1</sup></b>	<b>Existing units</b>
Particulate Matter (mg/Nm <sup>3</sup> )	50	50

8.2 Fugitive Emission Standard		
Particulate Matter of size less than 10 µm i.e. PM <sub>10</sub> (µg/m <sup>3</sup> )	2000 at 10 metre	2000 at 10 metre
<b>9.Raw Material Handling Area</b>		
<b>Fugitive Emissions Standard</b>		
Particulate Matter of size less than 10 µm i.e. PM <sub>10</sub> (µg/m <sup>3</sup> )	2000 at 10 metre	

<sup>1</sup> Units commissioned on or after date of notification of standards

### SPONGE IRON PLANT

Parameter		Standard
<b>1. Stack Emission Standard</b>		
Particulate Matter- Kiln & dedusting (mg/Nm <sup>3</sup> )	Coal based	50
	Gas based	10
<b>2. Fugitive Emission Standard</b>		
Particulate Matter of size less than 10 µm i.e. PM <sub>10</sub> (µg/m <sup>3</sup> )	2000 at 10 metre	
<b>3. Effluent Standard -</b> 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 dolochar utilization.		
Existing plants shall install Waste Heat Recovery Boiler and own or tie up Fluidized Bed Combustion boiler for dolochar utilization within 12 months of notification.		

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

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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 19<sup>th</sup> November, 1986 and subsequently amended *vide* the following notifications, namely:-

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

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