

MINISTRY OF ENVIRONMENT AND FORESTS

NOTIFICATION

New Delhi, the 18th February, 2009

G.S.R. 97(E).— In exercise of the powers conferred by Sections 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. (1) These rules may be called the Environment (Protection) Amendment Rules, 2009.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Environment (Protection) Rules, 1986, in Schedule I, after serial number 101 and entries relating thereto, the following serial number and entries shall be inserted, namely :—

S. No.	Industry	Parameter	Standard
1	2	3	4
"102	Refractory Industry	A. Emission Standards	
		(i) Down Draft Kiln (Fuel : Coal)	
		Category*	limiting concentration (mg/Nm ³)
	Particulate matter	small/medium/large	350
			Minimum (metres)
	Stack height	small	15
		medium	18
		large	21
		(ii) Other than Down Draft Kiln (Fuel : Coal)	
		Category*	limiting concentration (mg/Nm ³)
	Particulate matter	small	300
		medium	200
		large	150
			Minimum (metre)
	Stack height	small	15
		medium	18
		large	21

(iii) Box, Tunnel, Down Draft Kiln, etc.
(Fuel : Natural Gas/Producer Gas/LPG or a combination of Fuels/Furnance Oil as Secondary Fuel)

Category*	limiting concentration (mg/Nm ³)
Particulate matter	Small 200
	medium/large 150
	Minimum (metre)
Stack height	small 12
	medium 15
	large 18
Category*	Production (tpa)
small kiln	<15,000
medium kiln	15,001—50,000
large kiln	above 50,000

iv. Rotary Kiln (Fuel : Furnance Oil)

Category**	limiting concentration (mg/Nm ³)
Particulate matter	Small 200
	medium/large 150
	Minimum (metre)
Stack height	small 35
	medium 45
	large 60
Category**	Production
Small rotary kiln	(tpd) <50
medium rotary kiln	large 51—100
rotary kiln	above 100

Note:—

- (i) All values of particulate matter are to be corrected at 6 per cent Carbon Dioxide.
- (ii) Fugitive emission shall not exceed 10 mg/m³ from any process or plant.
- (iii) Each stack shall be at least 2 metre above the top most point of the building, shed or plant in the industry excluding bucket elevator, mill house and vibrating screen.
- (iv) If more than one kiln is connected to single stack, sum of the production capacity of all the kilns would be considered for determining the capacity of the kiln and accordingly depending upon the total capacity, emission standard and stack height would be implemented.
- (v) Monitoring of stack shall be carried out at the time of charging and after the completion of charging and average of these two results shall be considered as emission level.

1	2	3	4
			B. Effluent Standards
			Limiting value for concentration (mg/l except for pH)
		Inland Surface Water	Public Sewer Land for Irrigation
pH	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
Oil and Grease	10	20	10
BOD _{3 days, 27°C}	30	250	100
COD	250	—	—
Suspended Solids	100	600	200
Phenols	1.0	5.0	—
Cyanide as CN	0.2	2.0	0.2
Cr (Hexa-valent)	0.1	2.0	1.0
Cr (Total)	2.0	2.0	2.0*

[F. No. Q-15017/36/2007-CPW]
RAJNEESH DUBE, Jt. Secy.

Note:— The principal rules were published in the Gazette of India *vide* number S.O. 844(E), dated 19th

November, 1986 and subsequently amended *vide* S.O. 433 (E), dated 18th April, 1987, S.O. 64(E), dated 18th January, 1988, S.O. 3 (E), dated 3rd January, 1989, S.O. 190 (E), dated 15th March, 1989, G.S.R. 913(E), dated the 24th October, 1989, S.O. 12 (E), dated the 8th January, 1990, G.S.R. 742(E), dated the 30th August, 1990, S.O. 23(E), dated the 16 January, 1991, G.S.R. 93(E), dated the 21st February, 1991, G.S.R. 95(E), dated the 12th February, 1992, G.S.R. 329(E), dated the 13th March, 1992, G.S.R. 475(E), dated the 5th May, 1992, G.S.R. 797(E), dated the 1st October, 1992, G.S.R. 386(E), dated the 28th April, 1993, G.S.R. 422(E), dated the 19th May, 1993, G.S.R. 801(E), dated the 31st December, 1993, G.S.R. 176(E), dated the 3rd April, 1996, G.S.R. 631(E), dated the 31st October, 1997, G.S.R. 504(E), dated the 20th August, 1998, G.S.R. 7(E), dated the 2nd January, 1999, G.S.R. 682(E), dated the 6th October, 1999, G.S.R. 742 (E), dated the 25th September, 2000, G.S.R. 72(E), dated the 6th February, 2001, G.S.R. 54(E), dated the 22nd January, 2002, G.S.R. 371(E), dated the 17th May, 2002, G.S.R. 489(E), dated the 9th July, 2002, S.O. 1088(E), dated the 11th October, 2002, and G.S.R. 849(E), dated the 30th December, 2002, G.S.R. 520(E), dated the 1st July, 2003, G.S.R. 92(E), dated 29th January, 2004, G.S.R. 448(E), dated the 12th July, 2004, Corrigenda G.S.R. 520(E), dated the 12th August, 2004, G.S.R. 272(E), dated the 5th May, 2005, G.S.R. 315(E), dated the 16th May, 2005, G.S.R. 546(E), dated the 30th August, 2005, G.S.R. 46(E), dated the 3rd February, 2006, G.S.R. 464(E) dated the 7th August, 2006, G.S.R. 640(E), dated the 16th October, 2006, G.S.R. 566(E), dated the 29th August, 2007, G.S.R. 704(E), dated the 12th November, 2007, G.S.R. 186(E), dated the 18th March, 2008, G.S.R. 280(E), dated the 11th April, 2008, G.S.R. 344(E), dated the 7th May, 2008, G.S.R. 414(E), dated the 30th May, 2008 and G.S.R. 481(E), dated the 26th June, 2008, G.S.R. 579(E), dated the 6th August, 2008, G.S.R. 600(E), dated the 18th August, 2008 and G.S.R. 752(E), dated the 24th October, 2008.