

GS.R.277(E)-ENVIRONMENT (PROTECTION) (THIRD AMENDMENT) RULES, 2012.

REGD. NO. D. L..33004/99 Che Gazette of India No. 2. (1) "24. EXTRAORDINARY PART 11—Section 3—Sub-section (i) PUBLISHED BY AUTHORITY 11, 1934 NEW DELHI, SATURDAY, MARCH 31, 2012 (CHAITRA 11, 1934 .3âT 3! q•N, 2012 qztrav•r (üe--PT) 1986 (1986 29) 6 25 (ü&PT) 1986 (1) fa-q-#i (üHUT) 2012 (2) afro 1986 fir, (Qi) (i) 12, (11) 24, zr art-aft, - (2) plâ (3) (4) m.ur. . , 'ère-v i, 6 0-8 50 100 1198 GI/2012 2 (2) OF INDIA (3) BOD, 270 3 COD a---tq drq (Ctr v.cfr. : EXTRAORDINARY I(PLL)" 16(HPLA (4) 30 z50 10 50 0.2 1.0 50(HPLA [PART 3(i)] 75 *PLD- umra; *PLL- mr *PLO- 3ia: (ii) NOx (Ä.u•r. q-<Tâ Ela-aftzæ) 800 soo 50 25 800 800 500 50 25 800 500 50 25 (iii) -V- (Bap) 5 Qiz 2 31.- æizi7 5 2 5 2 pli 6.0- 100 10 (2) (3) NHa-N (PIMr./ö?r) cm.TT. soa (FT.axr./aiâöt NOx CO 50 250 150 3 (4) 150 6.0. 8.5 50 10 0.2 50 30 200 150 (i) fü-nf*-zri (m.axr. S02 E177fiZX) NOx -8 Eit Pb f z-a•r\$ pH afrH(üMr./öfi) too (iii) ya:râa it-a-a-ra 4000 200 150 5000 I O,OOO 2 50 3000 150 120 5000 10,ooo 2 6,0- 8.5 100 10 4 (1) (2) THE GAZETTE OF : (3) S02 NOx Pb qqpi [PART IT—SEC. (4) 50 3000 150 150 5,000 10,000 2 3(i)] \$F1#i 300 150 100 \$öt\$zrt 4000 200 150 5,000 10,ooo 2 150 6.0-9.0 10 150 250 5 (2) (3) IT<Tâ (firm-r. SOZ (Ä.axv. (3) (til JIT 3-a:râ7 450 500 (4) 150 1 50 300, 12% C02 (4) 150 150 150 2 3 4. 30 - 14 (Q) 0, I "H" 'Q" 312% Pfi.71T/Ei& a--TKdT sop 30 a-fr 0, -t IATAVFT öTTVITl 6 THE OF ODIA : EXTRAORDINARY (3) SEC. (4) (2) 5. 6. qR&aT3fi u@zrâih (i) afiulZ[, 3hx/3Taar 3-11101k* 3TQafil (ii) 3id#rJIT 10 (fit 3ikrer) (va•âltr\$) ala alâ 3-F17T (iii) 30, (iv) 79, 3-li?14 æi2t* (ag) El, Ill, 5, 3-ræa - "5 50 1" I 844(3T) 19 1986 q;r.34T.433 (31), 18 1987, 37(3T) altgq 18 2009: æ1T.m1.ü. 149(31J 4 2009: 512(3f) 9 2009: æ1T.Qi1.tÄ. 543(3T) 22 2009: tä 995(3f) 2003: 794(3T) altru 4 2009: 826(31) 2009: I 2010: æ1T.EFT.Ä. 61(3T) S (F@tr 2010; 48S(3T) 9 2090 608(3f) aTt1& 21 2010: æw.q;r.ü. 739(3f) 9 2010 80900 4 2010: æn.?hl.n. 215(3f) affra 2011: æ1T.Z5T.Ä. 221(3T), 18 2011 a. 3S4(31) 02 2011: 424(31), a#ru, 01 20M: 446(3f), 13 (30, 16 2012 urvl 3(i)] 7 Mm1STRY OF ENVIRONMENT AND FORESTS NOTIFICATION New Delhi, the 31st March, 2012 exercise of the powers conferred by sections 6 and 25 of the Envirohfiär%ction) Act, 1986 (29 of 1 986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:- 1. 2. S (1) "24 (1) These rules may be called the Environment (Protection) (Third Amendment) Rules, 2012. (2) They shall come into force on the date of their publication in the Official Gazette. In the Environment (Protection) Rules, 1986, in Schedule I,- (i) serial number 12 relating to "Coke Ovens" and entries relating thereto shall be omitted; (ii) for serial number 24 relating to "Iron and Steel (Integrated)" and entries relating thereto, the following serial number and entries shall be substituted, namely:- Industry (2) Integrated Iron and Steel Plant Parameter (3) pH Suspended solids BOD, 3 days at 270C COD Oil and grease I Ammonical nitrogerr, as N Cyanide (as CN-) Phenol Standard (4) A.- Coke oven (by- roduct a. Effluent Standards Limiting concentration in mg/l, exce t for H 6.0-8.50 100 30 250 10 50 0.2 1.0 b. Emission Standards New Batteries (at green field site Rebuild Batteries Existing Batteries (j) Fugitive Visible Emissions 8 GAÆTTE OF DUNA EXTRAORDNARY from door Leakage frum char i Gds Leakage frm•n AP Covers 4(pLO) 4 4(pLO) 50(with H p LAY [PART 11—SEC. 301 4(PLO) 75 Charging anission 16(with HPLA) (Second/ (harge) *PLD- Percent leakin doors; * *PLL- Percent leakin lids; PLO- Leaking off takes and PLA — Aspiration through high pressure li uor in•ection in ooseneck. (ii) Stack Emission Standards S02 m / Nm NOx (mg/ Nm) Particulate matter m /Nm3 Particulate matter during charging of stamp charging batteries Nrn3 Sulphur in Coke Oven gas used for Nm3 heatin iii Fu Battery area (top of the batte) rn3 Other units in coke oven plant (pgf rn3) Suspended solids Oil and grease Particulate matter (mg/Nm3) solids Oil and grease (mg/l) Ammonu Xtrogen, 800 500 50 25 800 itive Emissions: Benzo a 800 500 50 25 500 50 25 5 2 5 2 rene (BaP) 5 2 B.- Sintering Plant a. Effluent Standards Limiting concentration in mg/l, exce for H 6.0- 8.50 too 10 b. Emission Standards 150 C-- Blast Furnace a. Emuent Standards Limiting concentration in mg/l, exce for H 6.0- 8.5 50 10 0.2 50 1) 3(i)] 2 3 as NH: —N m 11 4) b. Emission Standards i Stack Emissions Existing Units BF Stove 50 250 150 I % (max. 9 New Units 30 200 150 1% (max.) Particulate matter m /Nm3) SOQ (mg/Nm) NOx (mg/Nm) CO (vol/vol) iiS Particulate matter (mgLNm3 Particulate matter (Size less than IO microns) PMID(pg/m3) S02(pg / m) NOx (pg 1m) Carbon monoxide (pg I rn3) - 8 hours 1 hours Lead, as Pb in fugitive dust (ug / rn3) at Cast House ace Dedustin / Other stacks of BF area 100 iii) Fugitive Emission Existin Units 4000 200 150 5000 I O,OOO 2 50 New Units 3000 150 120 5000 I O,OOO 2 D.- Steel Making Shop- Basic

Oxygen Furnace a. Effluent Standards pH (mg/l) Suspended solids m 11 Oil and grease (mg/l) Particulate matter (mg/Nm³) — Blowing/ Lancing operation — Normal operation refinin etc Particulate matter m /Nm³ 6.0- 8.5 100 (i) Slack Emissions Existil Units • Converters New Units 300 150 Should be with gas recove Should be with gas recove . De-dusting of de-su\phurisation, Secondary 100 50 40jZ-3 IO (1) GAZETTE OF : EXTRAORDINARY (2) (3) Particulate matter (size less than IO microns) PMIO Ima S02(pg / m) NOx (pg 1m) co (pg / m³) - 8 hours 1 hours Lead, as Pb in dust at Converter floor pH Suspended solids Oil and grease (mg/l) Particulate matter (mg/Nm³) Particulate matter m INm³ Particulate matter m /Nm³ Particulate matter (mg/Nm³) Particulate matter m INm³ S02 m Nm³) (4) Zi Fuguzve Emissions. EAISm ' Unils 4000 200 150 5,000 10,000 2 E.- Rolling Mills a. Effluent Standards 6.0-9.0 100 10 b. Emission Standards 150 [PART [I—SEC. 30] New Units 3000 150 150 5,000 10,000 2 Re- Heating (Reverberatory) Furnaces Sensitive area 150 F.- Arc Furnaces Other area 250 Emission Standards 150 G.- Induction Furnaces Emission Standards 150 H.- Cupola Foundary Emission Standards melting capacity less melting capacity than 3 tonne/hr 450 3 tonne/hr and above 150 300. corrected at 12% C02 l.- Calcinaõoa Plant' Lime Kiln Emission Standards capacity upto 40Vday capacity above 40t/day 1) 2) (3) Particulate matter Particulate matter (mg/Nm³) Note. 11 (4 150 500 J.- Refracto Unit Emission Standards 150 I. The height of the each process stack shall be a minimum of 30 metres ork as per the formula $H = 14 (Q)$ (whichever is more), where "H" is the height or stack in metre; and "Q" is the maximum quantity of SOI in kg/hr expected to be emitted through the stack at rated capacity of the plant(s) and calculated as per the norms of gaseous emission

2. The plants having separate stack for gaseous emission for the scrubbing unit, the height of this stack shall be equue' to main stack of the plant or 30 metres, whichever is higher

3. It is essential that stack constructed over the cupola beyond the charging door and emissions shall be directed through the stack which should be at least six times the diameter of cupola

4. In respect of Arc Furnaces and Induction Fumaces provision shall be made for collecting the fumes before discharging the emissions through the stack 5. Foundries shall instal' scrubber, followed by a stack of height atleast six times the diameter of the Cupola beyond the charging door

6. Recovery type converters shall be installed In new plants or expansion projects. Stormwater Note:

(i) Stoimwater shall not be allowed to mix with effluent, scrubber water and/ or floor washings. (ii) Stormwater shall be channellized through separate drains as per natural gradient, passing through High Density Polyethylene (HDPE) lined pits, each having holding capacity of 10 minutes (hourly average) of rainfall". (iii) serial number 30 relating to "Integrated Iron and Steel Plants" and the entries relating there to shall be omitted; (iv) serial number 79 relating to "Coke Oven Plants" and the entries relating there to shall be omitted. 12 IHE OF INDIA : EXTRAORDINARY [PART IPSEC. 30] (b) In Schedule VI, General Standards Part D, III, Load/ Mass based standards, for-serial number 5, Cdke Oven and entries relating thereto, the following serial number and entries shall be inserted, name}y.- (2) Integrated Carbon Monoxide in coke oven Iron and Steel Particulate matter during coke pushing Plant in coke oven Particulate matter for quenching operation in Coke Oven (4) 3 Kg/ tonne of coke produced 5 gramme/ tonne of coke produced 50 gramme/ tanne of coke produced . " [F. No. Q-15017/60t2007-CPW] RAJNEESH DUBE. JL secy. _Note:- The principal rules were published in the Gazette of India vide number S.O. 844 (E), 19LK November, 1986; and subsequently amended vide notifications numbers S.O. 433 (E), dated 18th April 1987; G.S.R. 97 the 18th February, 2009; G.S.R. 149 (E), dated the 4th Mm-ch , 2009; G.S.R. 512 (E), dated the July, 2009; G.S.R. 543 (E), dated the 22nd July, 2009; G.S.R. 595 (E), dated the 21" August, 2009; G.S.R. 794 (E), dated the 4th November, 2009; G.S.R 826 (E), dated the 16th November, 2009; G.S.R. 01 (E), dated the January, 2010; G.S.R, 61 (E), dated February, 2010; G.S.R. 485 (E), dated 9th June, 2010; G.S.R. 608 (E) ,dated 21st July, 2010 , G S.R. 739 (E), dated the September, 2010 ; and G.S.R. 8090, dated, 4th October, 2010. G S.R. 215 (E), dated, the 15th March, 2011; G.S.R. 221(E), dated, the 18th March, 201 1, G SR. 354 (E), dated, the 2nd May , 2011; G.S.R.% 424 (E), dated, the June, 201 G S R June, 201 1; G.S.R. 152 (E), dated, March, 2012; and G.S.R. --26--1B), dated, March, 2012. Printed New Delhi-110064 sad of IE Ou-HObS4.