

G.S.R. 894(E).—ENVIRONMENT (PROTECTION) RULES, 1986, FOR THE INFORMATION OF THE PUBLIC LIKELY TO BE AFFECTED

gqo-33004/99 REGD. NO. D. 1=33004/99 Che Gazette of -3India 705] No. 705] EXTRAORDINARY 3—3q (i) PART 11—Section 3—Sub-section (i) PUBLISHED BY AUTHORITY 4, 2019/3-11181•qTTT 13, 1941 NEW DELHI, WEDNESDAY, DECEMBER 4, 2019/AGRAHAYANA 13, 1941 4 2019 qrsrfi. 894B).— (&a-TUT) 1986 (1986 29) 6 25 t, (&WJT) 1986 5 (3) -q-rq-r-q•-FTT t, t; ft-q-r ur t, fill, üZ, R#r-110003 -4t-rfrfi-âi 't' mscb.cpcb@nic.in h.kharkwal@nic.in 1986 3Tfh 1. 2019 (2) 3rl 6244 GI/2019 2 THE GAZETTE OF INDIA : EXTRAORDINARY 2. (&a-TUT) 1986 31T#r-1 it 24 q-r-rfifr, fifi. "24. [PARTII SEC. 3(i)] (PM) 50 mg/Nm³ so 500 mg/Nm³ NO_x 500 mg/Nm³ A2. : PLD, PLL PLO, % - (PLD) - (PLL) fr-q-r-q - fr-q-rq (PLO) - (PLD)* - (PLL) fr-q-r-q - fr-q-rq (PLO) BP - BP _ a-ft (PM) so NO_x (PM) so NO_x co (PM) 5 2 30 50 30 5 pg/m³ 2 pg/m³ 50 mg/Nm³ 500 mg/Nm³ 500 mg/Nm³ 30 mg/Nm³ 250 mg/Nm³ 200 mg/Nm³ 1% (max.) 50 mg/Nm³ [a-TPT 3(i)] ql. (PM) _ F-l-q-fl so NO_x -a-FTT (PM) (PM) so NO_x (PM) so NO_x (PM) S02 NO_x (PM) co (PM) so NO_x co (PM) (PM) 3 50 mg/Nm³ 100 mg/Nm³ 500 mg/Nm³ 500 mg/Nm³ 50 mg/Nm³ 50 mg/Nm³ 300 mg/Nm³ 400 mg/Nm³ 50 mg/Nm³ 300 mg/Nm³ 400 mg/Nm³ 50 mg/Nm³ 400 mg/Nm³ 500 mg/Nm³ 50 mg/Nm³ 1% (max.) 12% C02 q-r-tFTTl 50 mg/Nm³ 250 mg/Nm³ 200 mg/Nm³ 1% (max.) 50 mg/Nm³ 50 mg/Nm³ 4 THE GAZETTE OF INDIA : EXTRAORDINARY (PM) 20 PMIO pH 270 3 fru-r#r.) fru-r#r.) (SS) CN it fru•r/fr.) [PARTII SEC. 3(i)] 50 mg/Nm³ 2000 pg/m³ 6.0 to 8.5 30 250 50 10 50 0.2 1 . H 30 ur H=14Q08 Q ft.u-r.fi. S02 t), fi71Tl 2. PM 31.03.2012 SS-100 4. •fi---q-r ß7AT q-rrFTTl q-a-tq-or it Ä--q-r 5. 31-q-färz it -a-rl 6. -#q-rfi--rr 111, 108 110 [a-TPT 3(i)] 3. 1986 31St*-1, 3; q-FFfi, it 99 3THT?JTOT, q-rq-ll, 3, (i) 844 19 1986 5 (30, 03 q-fl#r, 2019 5 MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE NOTIFICATION New Delhi, the 4th December, 2019 G.S.R. 894(E).— The following draft of the notification, which the Central Government proposes to issue in exercise of the powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986) is hereby published, as required under sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986, for the information of the public likely to be affected thereby; and notice is hereby given that the said draft notification shall be taken into consideration on or after the expiry of a period of sixty days from the date on which copies of the Gazette containing this notification are made available to the public. Any person interested in making any objections or suggestions on the proposals contained in the draft notification may forward the same in writing, for consideration of the Central Government within the period specified above to the Secretary, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003, or send it to Member Secretary, CPCB and Scientist 'E' Ministry at the e-mail address i.e. mscb.cpcb@nic.in and h.kharkwal@nic.in. Draft Notification The Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely.- Short title and commencement.- (1) These rules may be called the Environment (Protection) Amendment Rules, 2019. (2) They shall come into force on the date of their final publication in the Official Gazette

2. In the Environment (Protection) Rules, 1986, in Schedule-I, for serial number 24 and the entries relating thereto, the following serial number and entries shall be substituted, namely:- s.No. "24. Industry Iron and Steel plants Parameter Particulate Matter (PM) S02 NO_x A1. Coke Oven Battery - Emission Standards 50 mg/N m 500 mg/Nm 500 mg/Nm A2. Coke Oven — Visible Fugitive emission: PLD, PLL & PLO, % Leakage from doors - Percent Leaking Doors (PLD) Leakage from charging lids - Percent Leaking Lids (PLL Leakage from AP covers - Percent Leaking Off takes (PLO) BP Recovery type ovens 5 2 6 THE GAZETTE OF INDIA : EXTRAORDINARY Leakage from doors - Percent Leaking Doors Leakage from charging lids -(Percent Leaking Lids (PLL Leakage from AP covers - Percent Leaking Off takes (PIT)) A3. Coke Oven - Fu •tive emission: Char BP Recovery type - top charging N on-Recov [PARTII SEC. 3(i)] ovens emission duratio 30 50 30 seconds BP Recov - stam ch Non-Recovery type Top of the coke oven battery Other areas of coke oven lant B. Sinterin and Pelletizi A4. Coke Oven - Fu •tive emission: Benzo-a- ene 5 g g/m Particulate Matter S02 NO_x Particulate Matter S02 NO_x co M) M) Plants - Main and seconda stacks emission 50 m /Nm 500 mg/Nm 500 m m Cl.Blast Furnace - Stove stack emission 30 m m 250 mg/Nm 200 m g/Nm 1% (max.) C2. Blast Furnace — Cast house fume extraction stem Particulate Matter (PM) 50 mg/Nm DI. Basic Oxygen Furnace(BOF)/Energy Optimization

Furnace (EOF)-Main stack emission* Particulate Matter (PM) - Normal operation - Blowing and lancing
 SO₂ NO_x 50 mg/Nm 100 mg/Nm 500 mg/Nm *these standards are relevant to the furnaces without gas recovery. D2. Basic Oxygen Furnace (BOF) / Energy Optimization Furnace (EOF) — Secondary refining process stack and Fume extraction system Particulate Matter (PM) Particulate Matter (PM) SO₂ NO_x Particulate Matter (PM) SO₂ NO_x 50 mg/Nm E. Process Gas Based Power Plants / Boilers F. Rolling Mills 50 mg/Nm 300 mg/Nm 400 mg/Nm 50 mg/Nm 300 mg/Nm 400 mg/Nm G. Lime kilns, Dolomite kilns, Refractory units Particulate Matter (PM) SO₂ NO_x H1. Coal based S Particulate Matter (PM) co 50 mg/Nm 400 mg/Nm 500 mg/Nm Iron Plant —Kiln / WHR Boiler stack emission** 50 mg/Nm 1% (max.) **Stack emission test results shall be normalized at 12% CO₂ 1--12. Gas based S e Iron plant — Process as heater stack emission Particulate Matter (PM) 50 mg/Nm SO₂ 250 mg/Nm NO_x 200 mg/Nm co 1% (max.) H3. Sponge Iron Plants (Coal/Gas) —De-dusting [Fumes extraction System Particulate Matter (PM) 50 mg/Nm [a-TPT 3(i)] 7 Particulate Matter (PM) Particulate Matter (PM) PM₁₀ at 20 metre from sources BOD, 3 days at 27 °C (mg/l) COD (mg/l) Suspended Solids (SS) (mg/l) Oil & grease (mg/l) Ammonical nitrogen as N (mg/l) Phenol (mg/l) Cyanide, as CN-(mg/l) I. Electric Arc Furnaces 50 mg/Nm J. Induction Furnaces 50 mg/Nm K. •tive emissions 2000 ug/m L. Effluent standards 6.0 to 8.5 30 250 50 10 50 0.2 Note: 2. 3. 4. 5. 6

7. Height of process stack, H shall be minimum 30 m or as per the formula - $H=14Q^{0.6}$ (where Q is SO₂ emission in kg/hr), and maximum of two shall apply. The above PM emission limits shall be complied by the existing units within three years, till then the PM emission limits prescribed by earlier notification dated 31.03.2012 shall apply on such units. The above effluent SS limit shall be complied by existing units within one year, till then SS-100 mg/l limit shall apply on such units. Effluent from various processes shall be reused within the plant to maximum possible extent after necessary pre-treatment as per requirement of the process. The final effluent shall be treated as per prescribed standards before disposal into the environment. New coal based Sponge Iron Plants shall come up with kiln waste heat boiler. For existing sponge iron plants, SPCBs / PCCs shall prepare policy for respective states for implementation of waste heat recovery boiler based on capacity of the plants. New coal based Sponge Iron Plants shall come up with boiler for utilisation of the dolomite produced from the kiln. For existing sponge iron plants, SPCBs shall prepare policy for respective states for utilisation of the dolomite produced from the kiln. For standalone Rolling Mill Re-heating Furnaces, Foundries (Cupola, Arc and Inductions Furnaces), and Lime Kilns of small scale sector the standards at S. No. 111, 108 and 110 shall apply

3. In the Environment (Protection) Rules, 1986, in Schedule-I, Rule 3: Standard for Emission or Discharge of Environmental Pollutants from various Industries, the entry at serial number 99 for Sponge Iron Plant (Rotatory Kiln) shall be deleted." Note : [FNO. Q-15017/32/2007-CPW] ARVIND KUMAR NAUTIYAL, Jt. secy. The principal rules were published in the Gazette of India, Extraordinary, Part 11, Section 3, Sub-section (i) vide number S.O. 844 (E), dated the 19th November, 1986 and lastly amended vide notification G.S.R. 5(E), dated the 3rd January, 2019. Uploaded by Dte. of Printing at Government of India Press, Ring Road, Mayapuri, New Delhi-110064 and Published by the Controller of Publications, Delhi-110054.