

G.S.R. 325(E). - ENVIRONMENT (PROTECTION) (FOURTH AMENDMENT) RULES, 2014.

REGD. NO. D. L.-33004/99 Che Gazette of Sftidia 252] No. 252] EXTRAORDINARY 3—3-q-au-g (i) PART 11—Section 3—Sub-section (i) PUBLISHED BY AUTHORITY qua-rv, 7, 2014/ã?1TÜ 17, 1936 NEW DELHI, WEDNESDAY, MAY 7, 2014/VAISAKHA 17, 1936 7 < 2014 (üqa-TUT) 1986 (1986 29) afi 6 25 (üqa-TUT) 1986 t 1. (1) (Nfiz-TUT) 2014 I (2) afi 2. (üQ&WT) 1986 afi 1 'Gas 8 (2) "8 1913 GI/2014 (3) (SOY) HCl (a--a:« me) (NH 3) ÜtÜRH(C12) m. (4) 35 15 : fr-u-fifä TluT t, *I-g (pH) 6.0 8.5 100 (1) 5.5 9.0 5.5 9.0 2 THE GAZETTE OF INDIA : EXTRAORDINARY [PART 11—SEC. 3(i)] 100 #--BOD (3 2700 (COD) (Hg) (Cr (Cr) (Cu) (Zn) (Ni) (Pb) G-gfi-u-q (Cd) (CID (S042) C6H5OH (a-RMTu 100% 30 250 50 400 001 0.1 2.0 2.0 5.0 3.0 0.1 2.0 0.2 1000 1000 1.0 10.0 100 250 50C 3Tfäüi 001 1.0 2.0 3.0 15.0 50 2.0 2.0 2.0 5.0 10.0 96 Eli* : 6582 : 1971 (i) aft (BIETH) 600 (SAR) 26 3Tfäüi (ii i) q-t-GffT HCl (a--}RöT me) S02 OH-C Mn+Ni+V+Cd+Th+Hg 0.1 200 100 ng TEQNTHTRT 1.5 30 (300 ufi RIN) 30 30 30 [a-TPT 114gru•g 3(i)] 3 11. 111. 11 % q-a a-fi (3Tufa 850 ±250C 9500C 9500C 850 ±250C 11000C (TOC) ga-RT Vil. (i) aft (i i) (TDS) 1000 (i) 31k/' I (i i) IO (at : 844 (30, 19 1986 ajT_34T_ 433 (30, 18 1987; 01(30, 1 2010; 61(30, 5 2010 ; 485(30, 9 2010; 608(30, 21 2010; 739(30, 9 2010; 809(30, 4 2010; 215(30, 15 2011; 221(30, 18 2011; 354(30, 2 2011; 424(30, 1 2011 ; 446(30, 13 2011 ; 152(30, 16 2012; 266 (30, 30 2012.; 277 (30, 31 2012; 820(30, 9 2012; 176(30, 18 2013; 535(30, 7 2013; 11 2013; 2(30, 2 2014; 28 2014; 232(30, 31 2014 I 4 THE GAZETTE OF INDIA : EXTRAORDINARY MINISTRY OF ENVIRONMENT AND FORESTS NOTIFICATION New Delhi, the 7th May, 2014 [PART 11—SEC. 3(i)] G.S.R. 325(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. 2. (1) These rules may be called the Environment (Protection) (Fourth Amendment) Rules, 2014. (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, for serial number 8 relating to 'Dye and Dye Intermediate Industry' and entries relating thereto, the following serial number and entries shall be substituted, namely :- S. No. (1) "8 Industry (2) Dye and Dye Intermediate Industry Parameter (3) Oxides of Sul hur (SOX) HCl (Acid Mist) Ammonia (NH;) Chlorine (Ch) Standard (4) A . Emission Standards (Process Limiting concentration in milligramme/Normal cubic metre (mg/Nm3), unless otherwise stated 200 35 30 15 Note: All process vents shall have chimney height of atleast two metres above the shed or buildin where ui ment is installed. B . Effluent Standards Limiting concentration not to exceed in milligramme/litre (mg/l), exce for H, Te erature, Colour and Bioassa . Suspended Solids Biochemical Oxygen Demand - BOD (3 days, 270C) Chemical Oxygen Demand (COD) Ammonical Nitro en as N Temperature Colour (Hazen unit) Mercu (H) Hexavalent Chromium (Cr Total Chromium (Cr) Co er (Cu) Zinc (Zn) Nickel (Ni) Lead (Pb) Manganese (Mn) Cadmium (Cd) Chloride (CF) Sulphate(S04) Phenolic Compounds as C6H,OH disposal in surface water 6.0 to 8.5 100 30 250 50 marine disposal on land for 5.5 -9.0 100 250 50 irri ation 5.5 -9.0 200 100 shall not exceed 5 C above the receivin water 400 0.01 0.1 2.0 2.0 5.0 3.0 0.1 2.0 02 1000 1000 1.0 0.01 1.0 2.0 3.0 15.0 5.0 2.0 2.0 2.0 5.0 [a-TPT 114gru•g 3(i)] 5 Oil & Grease Bio-assay Test (with 1:8 dilution of effluents) 10.0 90% survival of Test animals after 96 hours* 100% effluent 10.0 10.0 * The Bioassay test shall be conducted as per IS: 6582: 1971. Note: (i) In case of disposal of effluent on land by industry directly or through a CETP, the industry or, CETP as the case may be, shall be required to install piezometers for monitoring of groundwater. Atleast, two piezometers for three hectares shall be installed for a plot size above IO hectares with a minimum of 16 piezometers. It shall be one per hectare within a minimum of six piezometers for a plot of size smaller than 10 hectares, in consultation with the concerned State Pollution Control Board for siting of piezometers. (ii) The standards for Chloride and Sulphate shall be applicable only for discharge of treated effluent into inland surface water courses. However, when discharged on land for irrigation, the norms for Chloride shall not be more than 600 mg/l over and above the contents of raw water and the Sodium Absorption Ratio (SAR) shall not exceed 26. (iii) Treated [untreated effluent shall be stored in holding tank(s) in such a manner which would not cause pollution of groundwater. C. Emission Standards for Ca tive Incinerator Limiting concentration in Sampling Duration in minutes m , unless otherwise stated unless otherwise stated Paticulture Matter HCl (Acid Mist) S02 Carbon Monoxide Total Or anic Carbon Total Dioxins And Furans Mn+Ni+V+Cd+Th+Hg and their co

ounds Note: 50 50 200 100 20 0.1 ng TEQ/Nm 1.5 30 or more (for sampling of 300 litres of emission) 30 30 daily average 30 8 hours 2 hours 11. 111. lv. All monitored values shall be corrected to 11 % oxygen on dry basis. The CO₂ concentration in tail gas shall not be less than 7%. In case, halogenated organic waste is less than 1% by weight in input waste, all the facilities in twin chamber incinerator shall be designed so as to achieve a minimum temperature of 850 ± 250C in primary chamber and 950C in secondary combustion chamber and with a gas residence time in secondary combustion chamber not less than two seconds. All the facilities in single chamber incinerator for gaseous hazardous waste shall be designed so as to achieve a minimum temperature of 950 oc in the combustion chamber with a gas residence time not less than two seconds. In case halogenated organic waste is more than 1% by weight in input waste, waste shall be incinerated only in twin chamber incinerators and all the facilities shall be designed to achieve a minimum temperature of 850± 250C in primary chamber and 1100 oc in secondary combustion chamber with a gas residence time in secondary combustion chamber not less than two seconds. v. Scrubber meant for scrubbing emissions from incinerator shall not be used as quencher. vi. Incineration plants shall be operated, (i.e., combustion chambers) with such temperature, retention time and turbulence, as to achieve Total Organic Carbon (TOC) content in the incineration ash and residue less than 3%, and the loss on ignition for ash and residue is less than 5% of the dry weight. In case of non-conformity, ash and residue, as the case may be shall be re-incinerated. 6 THE GAZETTE OF INDIA : EXTRAORDINARY vii. The incinerator shall have a chimney of at least thirty metres height. D. Effluent Standards for Incinerator Note: [PART 11—SEC. 3(i)] (i) Effluent from scrubber (s) and floor washing shall flow through closed conduit or pipe network and be treated to comply with the effluent standards mention at 'B' above. (ii) The built up in Total Dissolved Soilds (TDS) in wastewater of floor washings shall not exceed 1000 mg/l over and above the TDS of raw water used. E. Stormwater Note: (i) Stormwater shall not be allowed to mix with scrubber water and/or floor washings. (ii) Stormwater shall be channelized through separate drains passing through a HDPE lined pit having holding capacity of 10 minutes (hourly average) of rainfall." [F. No. Q-15017/14/2009-CPW] Dr. RASHID HASAN, Advisor Note: - The principal rules were published in the Gazette of India vide number S.O. 844 (E), dated the 19th November, 1986 and subsequently amended vide notification numbers S.O. 433 (E), dated the 18th April 1987; G.S.R. 01 (E), dated the 1st January, 2010; G s.R, 61 (E), dated the 5th February, 2010; G.S.R. 485 (E), dated the 9th June, 2010; G.S.R. 608 (E) ,dated the 21st July, 2010; 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; G.S.R. 277 (E); dated the 31st March, 2012; 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 1 lth December, 2013; G S.R. 2(E), dated the 2nd January, 2014, G.S.R. 229(E), dated the 28th March, 2014 and G.S.R. 232(E), dated the 31st March, 2014. Printed by the Manager, Government of India Press, Ring Road, Mayapuri, New Delhi-110064 and Published by the Controller of Publications, Delhi-110054.