

G.S.R.485(E) ENVIRONMENT (PROTECTION) THIRD (AMENDMENT) RULES, 2010.

REGD. NO. D. L-33004/99 Che Gazette of India 3201 No 3201 EXTRAORDINARY PART 11—Section 3—Sub-section (i) PUBLISHED BY AUTHORITY 9, 2010* 19, 1932 NEW DELHI, WEDNESDAY, JUNE 9, 2010/JYAISTHA 19, 1932 3âT 9 2010 34fufizrq, 1986 (1986 29) 6 25 g, qufaxur (RigaWT) 1986 31k 2, yufa: (1) uufaxq (Ri-üü7) Äz:vr, 2010 2. 1986 I G) m. €. 45 m. Rt. 8 æi. 31k 3--Fä: jiu?r, (4) "8 2199 GI/2010 3fd727, C 3ik 3füö 6.0-8.5 100 100 400 (0.01 (1) 2 1 THE GAZETTE OF INDIA : EXTRAORDINARY -nar(Zn) Pb •) (Mn) (Cd) (SO₄) (C₆H₅OH 100 qQa-7UT IS:6582-1971 34dRTR 0.1 2.0 3.0 5.0 3.0 0.1 2.0 2.0 1000 1.0 600 34füö (SAR) 26 I (ii) HCl SO₂ co 3FUUT -â-q•r 50 50 200 100 20 [PART I—SEC. 90 30 3-124dT 300 30 30 30 0.2 ngT Q/Nm 0.1 ngTEQ/Nm 1.5 8 2 2 Sb +As +Pb +Th +Hg GIRT 3 0.1 01 2014 i. 11% ii. 7% iii. 10/0 , 850+250/00c 9500C afr 95000 iv a317 850+ 250C 11000C V. qT3fö t, 4 THE GAZETTE OF INDIA : EXTRAORDINARY [PART 11—SEC. vi æi-uâ() 31k (TOC) 3% 79r fir 5% I 31k vii 3-TQzr I 3-ilx 3qx 'd (ii) (TDS) TDS 1000 mMT./8TZXâ I (i) (ii) Nf 10 (Li-i €.öT.3T.844 (3), 19 1986 t; 18 1987 97 (30, 18 2009; æTT.öT.fi. 149 4 2009; *n.öT.fi. 512 (30, 9 2009; *TT.ØT.B. 543 (3), 22 2009; *IT.öT.B. 595 21 2009; 794 04 2009; 826 (31), 16 2009, RTT.öT.fi. 01 01 >010,• 31k 61 (31), 05 2010 I 3(i)] 5 MINISTRY OF ENVIRONMENT AND FORESTS NOTIFICATION G.S.R.485(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) These rules may be called the Environment (Protection) Third (Amendment) Rules, 2010. 1. (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,- (a) serial number 45 and the entries relating thereto, shall be omitted; and (b) for serial number 8 and the entries relating thereto, the following serial number and entries shall be substituted, namely:- S.NO. Indust Parameter Standard "8 Dye and Dye Intermediate Industry 61) Po-2 Sus ended Solids BOD 3da s, 2 C Temperature Colour Mercur as H Chromium (as Cr A. Effluent Standards Limiting concentration in mg/l, except for pH, Temperature, Colour and Bioassa Test 6.0-8.5 100 100 shall not exceed 5 oc above the ambient temperature of water in the receivin bo Chromium Total Chromium as Cr Co er as Cu Zinc as Zn Nickel (as Ni Lead as Pb Man anese as Mn Cadmium as Cd Chlorid as Cl Sul hate (as SO Phenolic Com ounds as C₆H₅OH Oil and Grease Bioassay Test 400 (Hazen unit) 0.01 0.1 2.0 3.0 5.0 3.0 0.1 2.0 2.0 1000 1000 1.0 10 90% survival of fish aner 96 hours in 100% emuent* * The Bioassay test shall be conducted as per [S : 6582-1971. 6 1 2 THE GAZEITE OF INDIA : EXTRAORDINARY 3 Note: [PART I—SEC. 3(i)] 4 (i) The standards for chlorides and sulphates 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. (ii) Effluent shall not be stored in holding tank(s) in such manner which may cause pollution of groundwater. B. Emission Standards for Incinerator Particulate Matter HCl SO₂ co Total Or anic Carbon Total Dioxins and Existing Furans * Incinerator New Incinerator Limiting concentration in mg/Nm , unless otherwise stated 50 50 200 100 20 0.2 ngTEQ/Nm 0.1 n TEQ/Nm 1.5 Sampling Duration in minutes unless otherwise stated 30 or more (for sampling of 300 litres of emission) 30 30 dail avera e 30 8 hours 8 hours 2 hours Sb +As + Pb + Cr + co +Cu +Mn + Ni + V + Cd + Th +Hg and their com ounds * The existing plants shall comply with norms for Dioxins and Furans as 0. I ngTEQ/Nm³ by 01 st January, 2014. Note : i. All monitored values shall be corrected to 1 1% oxygen on dry basis. ii. The CO₂ concentration in tail gas shall not be less than 7%. iii. 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 9500C in secondary combustion chamber and with a gas residence time in secondary combustion chamber not less than two seconds. or all the facilities in Singte chamber incinerator for gaseous hazardous waste shall be designed so as to achieve a minimum temperature of 9500C in the combustion chamber with a gas residence time not less than two seconds. iv. 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 I I OOC in secondary combustion chamber with a gas

residence time in second combustion chamber not less than two seconds. (1) 3(i)] (2) 7 (3) (4) 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. vii. The incinerator shall have a chimney of at least three metres height. C. Effluent Standards for Incinerator Note: (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 mentioned at CA' above. (ii) The built up in Total Dissolved Solids (TDS) in wastewater of floor washings shall not exceed 1000 mg/l over and above the TDS of raw water used D. 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." RANEESH DUBE, Jt. Secy. Note—The principal rules were published in the Gazette of India vide number S.O. 844 (E), 19th November, 1986; subsequently amended vide S.O. 433 (E), dated 18th April 1987; and recently amended vide G.S.R. 97(E), dated the 1 February, 2009; G.S.R. 149 (E), dated the 4th March, 2009; G.S.R. 512(E), dated the 9th July, 2009; G.S.R. 543 (E), dated the 22nd July, 2009; G.S.R. 595(E), dated the 21st August, 2009; G.S.R. 794 (E), dated the 4th November, 2009; G.S.R. 826 (E), dated the November, 2009; G.S.R. 01 (E), dated the January, 2010; and G.S.R. 61 dated February, 2010. Printed by the Manager, Government of India Press, Ring Road, Mayapuri, New Delhi-110064 and Published by the Controller of Publications, Delhi-110054.

