

**G.S.R. 46(E) HESE RULES MAY BE CALLED THE ENVIRONMENT (PROTECTION)
FIRST AMENDMENT RULES, 2006.**

RED. BO.D. L-3300499 Che Gazette of •tidia 401 Na. 401 2 EXTRAORDINARY PART (i) PUBLISHED BY AUMORITY 3, 14, 1927 NEW DELHI, FRIDAY, FEBRUARY 3, 2006MAGHA 14, 1927 3 2006 46(O.— quf7VT(1986 (1986 üT2g) 6 31k 25 *ire-TOT) 1986 (1) qufTW1 (<Xåur) 2006 I 1986 I - 2 3 (I) 200 4 400 309 GI/2006 2 THE GAZETTE OF : EXTRAORDINARY (3) (I I) 200 37füö/ (i) ul&T 100 uT (ii) [PART Ct-4) 250 31Tå Ill 50 18 31k asr Bz:rr 27 3-tafi & 1 2 3 4 1105 (V) 36 , 3 2 (ii) (iii) 1 3-Tkt: , 342.fr•- 2 3 giZhfiTå* 3 HCL CL2 H2S 4 50 31 2006 2.8Boq-roH, 2006 0.8 31 2006 4 40 60 80 4 P205 H2 POO NH3 Ch-13 CL HBr 20 5 5 10 30 20 20 511 , THE GAZETTE OF INDIA : OCTRAORDINARY 79, 1 179 2 (3ta:rra 3 (?Ä) NOx(å•ttr (dö 3Nü) EFi) * 800 500 50 25 5 800 50 5 2 10 4 åz•R-a-r 800 500 50 25 5 50 5 2 1 [PART n—SEC. 75 800 500 50 25 5 2 IO 11--vrz 3 (i)] (i) (iii) (9) (g) (iv) (v) 5 Bziw•r a5T frzrr, 3Rk (In e)qx üTBf7T a5T I åRZi ur Nzirr 600 \$rse I a5R (elg åzRh, gg '-k- 3TIVTR-agq•r8r Bul? (i) (ii) 6 (vi) THE GAZEHE OF DOKA : EXTRAORDINARY , @åzx/arå) ARTII SEC.3 i öT.3T.€. 844 (37), 1986 433 (34.), 18 1987, öT.3T.*i. 64 1B Traer, 1988, 3 (3L), 1989. Tl.3T.*i. 190 15 1989 913 (34.)a-€ru 19891 öT.31T.€ 12 1990, 742 (3{.), 30 1990, öT.3ff.€. 23 16 1991, qT.ör.B. 93 (3.) 1991, 95 (37.) 12 *TTör.ßT. 329 (3.) 13 1992, 475 1992, 797 1 1992, 386 (3.) 28 1993: 422 CT.), 19 1993, 801 (3.) 1993, *RT.öTß. 176 3 3ü«: 1996, 631 (3T.)I 31 1997, 504 20 1998, 7 9), 1999, qT.ör.B. 682 (34.), 1999, 742 25 2000, *RT.örÄ. 72 (37.), 2001, 54 (37.), Ttv 22 2004 371 (3T.), mom 489 (37.)1 g 20021 öT.3ff.*i. 1088 (3%), 11 0021 849 30 2002, 520 (3T), 1 m03, 92 (34.), 29 2004, q.öT.B. 448 (3-1), 12 2004, 520 12 2004, 272 5 2005 315 (34.), 16 2005 546 (3.) 30 2005 7 OF ENVIRONhENT AND FORESTS NewDelhi, the 3rd 2006 G.SR 460— 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) first Amendment Rules, 2006. (2) They Shall come into force on the date of their publication in fre OMclal Gazette or otherwise as mentioned

2. In the Environment (Protection) Rules, 1986, in Schedule I, - (I) In serial number 10, relating to 'Cement Plane Tobl Dust', for he exising entries, åle following entries shall be substituted, namely:-
S.No. 1 "10. Indus Parameter Standards Cement Plane B. Total Dust Plant Capacity 200 tonnes/day (all sections) Greater than 200 tonnes/day (all sections) Emissions not to exceed mg/Nm3 400 250 8 * (11) (111) GAZEIE OF : EXTRAORDINARY ART n—SEC. 3(i) For Cement Plants, including Grinding Units, located in critically polluted* or urban areas with a population of one lakh and above (including 5 Km distance ouEide urban boundary): Particulate matter 100mg/Nm3 (ii) New Cement Kilns, including Grinding Units to be installed after the date of notification: Particulate Matter As per the guidelines of the Central Pollution Control Board." ; 50 mg/Nm3 serial number 18, relating to \Aluminum; and entries relating thereto shall be omitted; in serial number 27, relating to 'AsbeEos manufacturing uniB (including all processes involving the use of Asbestos), in column 4, for the existing mtries, the following entries shall be substituted, namely:- 1 2 3 Pure Asbestos material 4 0.5 fibre *Icc for one year from the date of notification 0.2 fibre *Icc after one year from the date of notification" ; in serial number 36, relating to 'Aluminum Plants , - (a) in item (b), for the sub-item (ii) and (iii) and entries relating thereto, the following entries shall respectively be substituted namely:- 1 2 Anode Bake Oven Pot room 3 -do- Total fluoride 4 50 mg/Nm3 2.8 Kg/ton by 31st 9 For Soderberg* Technology For Pre-baked Technology December 2006 0.8 kg/t by December 2006. * Separate standards for VSS, HSS, •PBSW & PBCW as 4ven in column 4 stands abolished. m; (b) for the item (c) and entries relating Blereb, ttE enmes shall be subsituted, namely:- 1 2 3 "(c) Standards for forage fluoride- - Twelve consecutive months average - Two consecutive months average - One month average 4 40 ppm 60 ppm 80 ppm" ; (V) in serial number 40, relating to 'Pesäcides Manufacturing and Formuladon Industry', tie following entries shall be inserted at the end, namely:- " EMISSIONS Hcl C12 H2S P205 (as H3P04) NH3 • Particulate rrztter with pesäcides compounds CH3Cl HBr not to exceed mg/Nm3 20 5 5 10 30 20 20 5"; (VI) in serial type)', namely: number 79, relating to 'Coke oven plants (by product recovery for the existing entries, the following entries shall be substituted, IO 1 "79 THE GAZEITE OF : EXTRAORDNARY 2 Coke Oven Plane (by product recovery type) 3 New 4 Rebuild Batteries (at Batteries Green Field Ste Fu itive Visible Emissions (a) Leakage fromrf door (b)

Leakage from charging lids (c) Leakage from AP Covers 4 (PLO)* (d) Charging emission 16 (second/charge) (with Stack Emission of Coke Oven 10 50 (with 800 50 25 5 (applicable to stationary land based system) [PART II—SEC. Existing Batteries IO 75 800 500 50 25 a SO₂ m Nm b NO_x m Nm c SPM m Nm³ (d) SPM emission during charging - for charging stamp (stack batteries emission m /Nm³ (e) SPM emission during coke pushing (stack emission) gm/ton of coke (O Sulphur in Coke Oven gas used for heating (mg/Nm³) 800 500 50 25 5 800 Emission for unenchin o Particulate 50 matter gm/tonne of coke reduced ration 50 Benzo-Pyrene (Bap) concentration in work zone air (a) Battery area (top of the battery) (b) Other units in coke oven plant 5 2 5 2 5 2 [I—WE 3(i)] 11 (c) Ambient air standards m /Nm³ 10 10 10

For control of emissions and to maintain environmental quality in work zone area, the following guidelines shall be followed, namely: (iii) New coke oven shall follow any of the low-emission procedures, such as, coke dry cooling, non-recovery coke-ovens. Indirect Quenching Process, Junibo coke oven reactor, Modified Wet Quenching System with appropriate environmental controls (e.g. baffles, filtering media, collection and treatment of residual water from quench tower and recycling; Treated effluent conforming to the effluent discharge standards can be used for quenching. Use of untreated process water as quenching water shall not be permissible). Effective pollution control measures e.g. Extensive maintenance and cleaning of oven doors and frame seals, ascension pipes, charging holes and lids and other equipment; On-maln charging system (HPLA); Luting charging holes with clay-suspension; Modified guide/transfer car with emission control system etc. shall be used to reduce coal discharging and coke pushing emissions. During rebuilding or installing new coke oven batteries, the following clean technology and pollution control measures be adopted: (a) air-cooled self-sealing doors; (b) the hydro-jet cleaning system shall be provided for the door and door frame cleaning with a facility of hydro jet pressure of 600 kg/cm², (c) the charging should be accomplished with hermetically sealed charging sleeves and screw-feeder in charging car. The charging car should also be equipped with magnetic lid lifter and lid and frame cleaning mechanism (applicable to top charging batteries); (d) to provide aspiration through high-pressure ammonia liquor (HPLA) injection in goose neck and emission should be transferred directly to gas collecting mains; (e) water sealed AP covers should be provided; (D) computerized combustion control and moisture control systems. In addition to the above the new coke oven batteries, which will be installed after the date of publication of this notification at green field TEE GAZEITEOFLNDIA : OCTRAORDINARY ART 3 i site and rebuild batteries wherever technically feasible should also be equipped to treat their pushing emissions with stationary land-based system with collection hood and wet scrubbing units for gas cleaning. In the case of existing coke ovens with wet quenching, the new procedures as in (i) and (ii) shall be adopted. The fugitive visible emission standards i.e. PLD*, PLL* and PLO*, charging emission (second/charge). Note: Units set up after the publication of this notification shall be treated as new units. *HPLA - * PLL - * PLO - Aspiration through high pressure liquor injection in gooseneck; Percent leaking doors; percent leaking lids; and Percent leaking off takes. IF. No. QI 5017/992000-CPWI R. K. VAISH, Jt. secy. The principal rules were published in the Gazette of India vide number S.O. 8 (E) dated 1901 November, 1986 and subsequently amended vide S.O. 433(E) dated April, 1987, S.O. 64(E) dated January, 1988, S.O. 3(E) dated 3rd January, 1989, S.O. 190(E) dated 19 March, 1989, G.S.R. 913(C) dated ber, 1989, S.O. 12(E) dated the 8th January, 1990, G.S.R. 742(E) dated gust, 1990, S.O. 23(E) dated the 16th January, 1991, GSR. 93(E) dated the 21st bruary, 1991, G.S.R. 95(E) dated 12th February, 1992, G.S.R. 329(E) dated March, 1992, G.S.R. 475(E) dated the 5th May, 1992, G.S.R. 797(E) dated the 15t October, 1992, G.S.R. 386(E) dated the 28th April, 1993, G.S.R. 422(E) dated the 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 October, 1997, G.S.R. 504(E) dated the 20b' August, 1998, G.S.R. 7(E) dated the 2nd January, 1999, G.S.R. 682(E) dated the 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 17t May, 2002, G.S.R. 489(E) dated the 9h July 2002, S.O. 1088(E) dated the 11th October, 2002, G.S.R. 849(E) dated the 30 December, 2002, G.SR 520(E) dated the 1st July, 2003 and G.SR. 92(E) dated the 29th January, 2004, G.S.R. 448 (E) dated the 12th July, 2004 and Corrigenda G.S.R. 520(E) dated 12th August, 2004, G.S.R 272 (E) dated 5th May 2005, G.S.R. 315 (E) dated 16B' May 2005 and G.S.R.546 (E) dated 30th August, 2005. Printed by the Manager, GovL or India Press, Ring Road, Mayapuri, New Delhi-110064 and Published by the Controller of Publications, Delhi-h 10054.