

REFERENCES

- Akagi, S.K., Yokelson, R. J., Wiedinmyer, C., et al. (2011) Emission factors for open and domestic biomass burning for use in atmospheric models. *Atmospheric Chemistry and Physics*, 11, 4039–4072.
- AP-42, Background Report, Section 6.10 Phosphate Fertilizers Prepared for U.S. Environmental Protection Agency (EPA).
- AP - 42, final report, EPA contract No 68-D7-0068, Sep 1999, Estimating particulate matter emissions from construction operations, prepared for emission factor and inventory group, office of air quality planning and standards, U S Environmental Protection Agency.
- ARAI (2010) Air Quality Monitoring and Emission Source Apportionment Study for Pune. Prepared for the CPCB, India. Report No. ARAI/IOCL-AQM/R-12/2009-10.
- Bedge, S.S., Bhole, A.A., Kokil, P. (2016) Design and analysis of energy efficient crematorium for eco body burning. *International Journal on Emerging Trends in Technology*, 3, 4129–4133.
- Byun, D., Schere, K.L. (2006) Review of the governing equations, computational algorithms, and other components of the models-3 community multiscale air quality (CMAQ) modeling system. *Applied Mechanics Reviews*, 55, 51–77.
- Byun, D.W., Ching, J.K.S. (Eds.), (1999). Science Algorithms of the EPA Models-3 Community Multi-scale Air Quality (CMAQ) Modeling System. NERL, Research Triangle Park. NC EPA/600/R-99/030.
- CEA [Central Electricity Authority] (2012). Performance review of Thermal Power Stations 2011-12. Oct 12, Ministry of Power, Government of India.
- CEA [Central Electricity Authority] (2013). Power sector at a glance. Ministry of Power, Government of India.
- Chakraborty, M. K., Ahmed, M., Singh, R. S., Pal, D., Bandhopadhyay, S. K., Chaulya, S. K. (2002) Determination of the emission rate from various opencast mining operations. *Environmental Modelling and Software*, 17, 467–80.
- Chandra, A. (2008). *Enhancement of collection efficiencies of electrostatic precipitators: Indian experiment. electrostatic precipitation*. K. Yan, ed., Proceedings of the Eleventh International Conference on Electrostatic Precipitation. Hangzhou, Zhejiang University Press: Springer.
- Chen, D.S., Cheng, S.Y., Liu, L., Chen, T., Guo, X.R. (2007) An integrated MM5-CMAQ modeling approach for assessing trans-boundary PM₁₀ contribution to the host city of 2008 Olympic summer games, Beijing, China. *Atmospheric Environment*, 41(6), 1237–1250.
- CPCB (2007). Assessment of fugitive emissions and development of environmental guidelines for control of fugitive emissions in cement manufacturing industries.
- CPCB (2000). Status of municipal solid waste generation, collection, treatment and disposal in class I cities (Series: ADSORBS/31/1999-2000). Central Pollution Control Board, New Delhi, India.
- DAC&FW [Department of Agriculture Co-operation and Family Welfare] Crop production statistics for states. Ministry of Agriculture & Farmers' Welfare, Government of India.
- Datta, A., Mohan, I., Sharma, S. (2016). Emission inventory of residential sector. In: Sharma, S., Kumar, A. (eds.) Air pollution emissions scenario for India. Ver.1. TERI-Press, The Energy and Resources Institute: New Delhi. ISBN 978-81-7993-639-9.

Datta, A., Sharma, S. (2016). Emission inventory of open burning of crop residues. In: Sharma, S., Kumar, A. (eds.) Air pollution emissions scenario for India. Ver.1. TERI-Press, The Energy and Resources Institute: New Delhi. ISBN 978-81-7993-639-9.

Details available at https://cpcb.nic.in/uploads/National_Ambient_Air_Quality_Standards.pdf; last accessed on April 9, 2021

Details available at <https://www.fhwa.dot.gov/publications/research/infrastructure/structures/97148/cbabs1.cfm>; last accessed on April 9, 2021

Economic Survey (2016). Economic outlook and policy challenges. Ministry of Finance, Government of India.

EEA [European environmental agency] (2009). EMEP/EEA emission inventory guidebook.

FHWA [Federal Highway Administration] User Guidelines for Waste and Byproduct Materials in Pavement Construction. Report No. FHWA-RD-97-148. Details available at <https://www.fhwa.dot.gov/publications/research/infrastructure/structures/97148/cbabs1.cfm>; last accessed on April 9, 2021.

Fulvio Bassetti, Daniele Coppola, Daniele Ricci. Fully dry ash removal system for elimination of ponds, 2015, World of coal ash conference (WOCA) in Nashville. Details available at <http://www.flyash.info/>; last accessed on April 9, 2021

Ghose M.K. (2004) Emission factors for the quantification of dust in Indian coal mines. *Journal of Scientific & Industrial Research*, 63, 763-768.

Greentech Knowledge Solutions (2012). Brick Kilns Performance Assessment- A Roadmap of Cleaner Brick Production in India.

IEA [International Energy Agency] India Energy Outlook. World Energy Outlook Special Report. IEA/OECD, France. Details available at: https://www.iea.org/publications/freepublications/publication/IndiaEnergyOutlook_WEO2016.pdf

IIASA [International Institute of Applied System Analysis] (2014) ECLIPSE V5 global emission fields. <http://www.iiasa.ac.at/web/home/research/researchPrograms/air/ECLIPSEv5.html>. IIASA, Luxemburg, Austria.

IIASA [International Institute of Applied System Analysis] GAINS-ASIA, Greenhouse Gas Air Pollution Interactions and Synergies. Details available at <http://www.iiasa.ac.at/>; last accessed on April 9, 2021.

ILFS [Infrastructure Leasing & Financial Services Limited] (2010). Technical EIA guideline Manual for Cement Plants, Prepared for Ministry of Environment Forest & Climate Change, Government of India.

India Census (1991). *1991 Census Handbook*. Registrar General at Census Commissioner, Government of India.

India Census (2001). Details available at http://www.censusindia.gov.in/2011-common/census_data_2001.html; last accessed on April 9, 2021.

IPCC [Intergovernmental Panel on Climate Change] (2006). Guidelines for national greenhouse gas inventories. Japan: IGES. Details available at www.ipcc.ch; last accessed on April 9, 2021.

Jain, N., Bhatia, A., Pathak, H. (2014) Emission of air pollutants from crop residue burning in India. *Aerosol and Air Quality Research*, 14, 422-430.

Kermeliotis, T. (2011). India's burning issue with emissions from Hindu funeral pyres. CNN world, September 17, 2011.

Khiem, M., Ook, R., Hayami, H., Yoshikado, H., Huang, H., Kawamoto, Y. (2010) Process analysis of O₃ formation under different weather conditions over the Kanto region of Japan using the MM5/CMAQ modelling system. *Atmospheric Environment*, 44 (35), 4463-4473.

Liu, G., Liu, J.J., Tarasick, D.W., Fioletov, V.E., Jin, J.J., Moeni, O., Liu, X., Sioris, C.E. (2013) A global tropospheric ozone climatology from trajectory-mapped ozone soundings. *Atmospheric Chemistry and Physics*, 13, 11473–11507.

Mahtta, R., Lakshmi, C.S., Sharma, S., Kumar, A., Das, S. (2016). *Emission inventory of industry sector*. In: Sharma, S., Kumar, A. (eds.) Air pollution emissions scenario for India. Ver.1. TERI-Press, The Energy and Resources Institute: New Delhi. ISBN 978-81-7993-639-9.

Mahtta, R., Sharma, S., Kumar, A. (2016). *Emission inventory of power sector*. In: Sharma, S., Kumar, A. (eds.) Air pollution emissions scenario for India. Ver.1. TERI-Press, The Energy and Resources Institute: New Delhi. ISBN 978-81-7993-639-9.

Malik, J.K., Sharma, S. (2016). *Emission inventory of other sectors*. In: Sharma, S., Kumar, A. (eds.) Air pollution emissions scenario for India. Ver.1. TERI-Press, The Energy and Resources Institute: New Delhi. ISBN 978-81-7993-639-9.

MoSPI [Ministry of Statistics and Programme Implementation] (2014). Energy statistics 2014. National Statistical Organization, Ministry of Statistics and Programme Implementation, Government of India.

MoSPI [Ministry of Statistics and Programme Implementation] (2016). Swachwata Status report. Solid waste management. National Statistical Organization, Ministry of Statistics and Programme Implementation, Government of India.

MoSPI [Ministry of Statistics and Programme Implementation] (2017). Statistical yearbook of India: Roads. National Statistical Organization, Ministry of Statistics and Programme Implementation, Government of India.

MoSPI [Ministry of Statistics and Programme Implementation] (2018). Trends in industrywise consumption of raw coal in India. Energy statistics, issue 25th. National Statistical Organization, Ministry of Statistics and Programme Implementation, Government of India.

Mullesky, G.E., Cowheard, C. Jr., Kinsey, J.S. (2005) Particulate emissions from construction activities. *Journal of the Air & Waste Management Association*, 55(6), 772–783, DOI: 10.1080/10473289.2005.10464669.

NITI AYOJ [National Institution for Transforming India] (2017a) Energizing India.

NITI Ayog [National Institution for Transforming India] (2017b) Death rate (%). Details available at <https://www.niti.gov.in/content/death-rate>; last accessed on April 9, 2021.

NSSO [National Sample Survey Organization] (2014). Household consumption of various goods and services in India 2011-2012. NSS 68th round. Report number 558 (68/1.0/2). New Delhi: National Sample Survey Organization, Ministry of Statistics and Programme Implementation (MoSPI), Govt. of India.

PNGStat (2017). Indian petroleum and natural gas statistics 2016-17. Ministry of Petroleum and Natural Gas, Government of India.

Pandey, A., Sadavarte, P., Rao, A.B., Venkataraman, C. (2014) Trends in multi-pollutant emissions from a technology-linked inventory for India: II. Residential, agricultural and informal industry sectors. *Atmospheric Environment*, 99, 341–352.

Patel, T. (2018) *The Better India*, January 3, 2018. Details available at <https://www.thebetterindia.com/126580/>; last accessed on April 9, 2021.

Paza, David de la, Vedrenne, M., Borge, R., Lumbreras, J., Andres, Juan Manuel de, Perez, J., Rodríguez, E., Karanasiou, A., Moreno, T., Boldo, E., Linares, C. (2013) Modelling Saharan dust transport into the Mediterranean basin with CMAQ. *Atmospheric Environment*, 70, 337–350.

PNGStat (2017). Indian petroleum and natural gas statistics 2016-17. Ministry of Petroleum and Natural Gas, Government of India.

PPAC [Petroleum Planning and Analytical Cell] (2013-2017) LPG Profile. Ministry of Petroleum and Natural Gas, Government of India.

Rajarithnam, U., Athalye, V., Ragavan, S., Maithel, S., Lalchandani, D., Kumar, S., Baum, E., Weyant, C., Bond, T. (2014) Assessment of air pollutant emissions from brick kilns. *Atmospheric Environment* 98, 549-553.

Selvan, S.K., Palanivel, M. (2015) Quantification and Characterization of the Municipal Solid Waste from Dharapuram Municipality, Tamil Nadu, India - A Case Study. *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, 3, 812-817.

Sharholly, M., Ahmad, K., Mahmood, G., Trivedi, R.C. (2008) Municipal solid waste management in Indian cities - A review *Waste Management*. 28, 459- 467.

Sharma, M (2010) Air Quality Assessment, Emissions Inventory and Source Apportionment Studies for Kanpur City. Submitted to Central Pollution Control Board, New Delhi.

Sharma, M (2016). Comprehensive Study on Air Pollution and Green House Gases (GHGs) in Delhi. Submitted to, Department of Environment, Government of National Capital Territory of Delhi.

Simon, H., Baker, K.R., Phillips, S. (2012) Compilation and interpretation of photochemical model performance statistics published between 2006 and 2012. *Atmospheric Environment*, 61, 124-139.

Singh, M., and Siddique, R. (2013) Effect of coal bottom ash as partial replacement of sand on properties of concrete. *Resources, Conservation and Recycling*, 72, 20-32.

Sokhi, R.S., José, R., San, Kitwiroon, N., Fragkou, E., Perez, J.L., Middleton, D.R. (2006) Prediction of O₃ levels in London using the MM5eCMAQ modeling system. *Environmental Modelling & Software*, 21(4), 566-576.

TERI (2018). Source Apportionment of PM_{2.5} & PM₁₀ of Delhi NCR for identification of major sources. Copartner; ARAI, Pune. Report submitted to the Department of Heavy Industry, Ministry of Heavy Industries and Public Enterprises (MoHI&PE), Government of India. Report No. ARAI/16-17/DHI-SA-NCR/Final Report.

Turn, S.Q., Jenkins, B.M., Pritchett, L.C., Campbell, D., Cahill, T., Whalen, S.A. (1997) Elemental characterization of particulate matter emitted from biomass burning: Wind tunnel derived source profiles for herbaceous and wood fuels. *Journal of Geophysical Research*, 102, 3686-3699.

USBR [United States Bureau of Reclamation] (2002). Environmental Impact statement for REACH 11 recreation master plan. Maricopa County, Arizona. Appendix C - Air Quality Impact Assessment.

USEPA [United States Environmental Protection Agency] (2015) AP-42: Large Stationary Diesel And All Stationary Dual-fuel Engines. Details available at <https://www3.epa.gov/ttn/chief/ap42/ch03/final/co3s04.pdf>; last accessed on April 9, 2021.

USEPA [United States Environmental Protection Agency] (1995) AP-42: Compilation of Air Pollutant Emissions Factors. Chapter 8.5 Phosphate fertilizers. Fifth edition. Details available at https://www.epa.gov/sites/production/files/2020-09/documents/final_background_document_for_phosphate_fertilizers_section_8.5.pdf; last accessed on April 9, 2021.

Venkataraman, C., Brauer, M., Tibrewal, K., Sadavarte, P., Ma, Q., Cohen, A., Chaliyakunnel, S., Frostad, J., Klimont, Z., Martin, R.V., Millet, D.B., Philip, S., Walker, K., Wang, S. (2018) Source influence on emission pathways and ambient PM_{2.5} pollution over India (2015-2050). *Atmospheric Chemistry and Physics*, 18, 8017-8039.