Endnotes

1 Sriram Gutta and Suchi Kedia, 'India Could Become the World's 3rd Largest Economy in the next 5 Years. Here's How', World Economic Forum Annual Meeting (blog), 15 January 2024, <u>https://www.weforum.org/agenda/2024/01/how-india-can-seize-its-moment-to-become-the-world-s-third-lar-gest-economy/</u>.

2 Gavin Maguire, 'Global Coal Exports and Power Generation Hit New Highs in 2023', Online News, Reuters (blog), 18 January 2024, <u>https://www.reuters.com/markets/commodities/global-coal-</u> exports-power-generation-hit-new-highs-2023-2024-01-18/.

3 Hannah Ritchie and Max Roser, 'CO2 Emissions', Our World in Data, n.d., <u>https://ourworl-din3.org/co2-emissions</u>.

4 Ibid.

5 IEA, 'India Energy Outlook 2021' (International Energy Agency, 2021).

6 GOI, 'Cabinet Approves India's Updated Nationally Determined Contribution to Be Communicted to the United Nations Framework Convention on Climate Change', 3 August 2022, <u>https://pib.gov.in/PressReleasePage.aspx?PRID=1847812</u>.

7 Ministry of Environment, Forest and Climate Change, 'India's Stand at COP26', Press Information Bureau, n.d., <u>https://pib.gov.in/PressReleasePage.aspx?PRID=1795071</u>.

8 Hannah Ritchie, Max Roser, and Pablo Rosado, 'Energy', Our World in Data, 2022, <u>https://ourworldindata.org/energy/country/india</u>.

9 Ibid.

10 MSPI, 'Energy Statistics India 2023', Statistics Report (National Statistical Office, 2023).

11 REN21, 'Renewables 2023 Global Status Report' (REN21, 2023), <u>https://www.ren21.net/gsr-203/#</u>.

12 MNRE, 'Annual Report 2022-23' (Ministry of New and Renewable Energy (MNRE), 2023).

13 MSPI, 'Energy Statistics India 2023'.

14 IEA, 'Renewables 2023' (International Energy Agency, January 2024), <u>https://prod.iea.org/re-ports/renewables-2023.</u>

15 Ministry of New and Renewable Energy, 'Press Release', Press Information Bureau, 28 March 2023, <u>https://pib.gov.in/PressReleasePage.aspx?PRID=1911482</u>.

16 MNRE, 'Annual Report 2022-23'.

16 Ministry of New and Renewable Energy, 'Press Release', 28 March 2023.

17 CES and ASCI, 'Final Report on Evaluation Study for Assessment of Biomass Power and Bagasse Co-Generation Potential in the Country' (Ministry of New and Renewable Energy (MNRE), March 2021).

18 Ibid.

19 FAO, 'Country Profile - India', 2019, <u>https://www.fao.org/countryprofiles/index/en/?iso3=IND</u>.

20 CES and ASCI, 'Final Report on Evaluation Study for Assessment of Biomass Power and Bagasse Co-Generation Potential in the Country'.

IEA, 'India Energy Outlook 2021'; Tanmay J. Deka et al., 'Assessment of Bioenergy and Syngas Generation in India Based on Estimation of Agricultural Residues', Energy Reports 9 (December 2023): 3771–86, <u>https://doi.org/10.1016/j.egyr.2023.02.054</u>.

IEA, 'India Energy Outlook 2021'; CES and ASCI, 'Final Report on Evaluation Study for Assessment of Biomass Power and Bagasse Co-Generation Potential in the Country'; Deka et al., 'Assessment of Bioenergy and Syngas Generation in India Based on Estimation of Agricultural Residues'; Akash Deep Singh, Bhautik Gajera, and A.K. Sarma, 'Appraising the Availability of Biomass Residues in India and Their Bioenergy Potential', Waste Management 152 (October 2022): 38–47,

23 CES and ASCI, 'Final Report on Evaluation Study for Assessment of Biomass Power and Ba-

gasse Co-Generation Potential in the Country'.

²⁴ Ibid.; Kripal Singh et al., 'India's Renewable Energy Research and Policies to Phase down Coal: Success after Paris Agreement and Possibilities Post-Glasgow Climate Pact', Biomass and Bioenergy 177 (October 2023): 106944, <u>https://doi.org/10.1016/j.biombioe.2023.106944</u>.

25 MNRE, 'Annual Report 2022-23'.

26 CES and ASCI, 'Final Report on Evaluation Study for Assessment of Biomass Power and Bagasse Co-Generation Potential in the Country'.

27 Ibid.

28 Ibid.

29 Ibid.

30 Ibid.

31 Ibid.

32 Singh et al., 'India's Renewable Energy Research and Policies to Phase down Coal'.

33 Ministry of New and Renewable Energy, 'Steps Taken to Promote Production of New and Renewable Energy from Bioenergy Sources Including Farm Stubble', 6 December 2023, <u>https://pib.gov.in/PressReleasePage.aspx?PRID=1983186</u>.

34 Ibid.

Ministry of New and Renewable Energy, 'MNRE Notifies National Bio Energy Programme', 7 November 2022, <u>https://pib.gov.in/PressReleasePage.aspx?PRID=1874209</u>.

36 Ministry of New and Renewable Energy, 'Press Release', 6 December 2023.

37 Singh et al., 'India's Renewable Energy Research and Policies to Phase down Coal'.

38 IEA, 'Biofuel Policy in Brazil, India and the United States - Insights for the Global Biofuel Alliance' (International Energy Agency, 2021).

39 Ibid.

40 Ministry of Petroleum & Natural Gas, 'Global Biofuel Alliance', 18 December 2023, https://pib.gov.in/PressReleasePage.aspx?PRID=1987807.

41 Ministry of New and Renewable Energy, 'Year End Review 2023 of Ministry of New & Renewable Energy', Press Information Bureau, 3 January 2024, <u>https://pib.gov.in/PressReleaseIfra-mePage.aspx?PRID=1992732</u>.

42 MNRE, 'Annual Report 2022-23'.

43 Ministry of Power, 'Revised Biomass Policy Mandates 5% Biomass Co-Firing in Thermal Power Plants from FY 2024-25: Union Minister for Power and New & Renewable Energy', 2 August 2023, <u>https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1945245</u>.

44 Ministry of Power, 'Policy to Regulate Price of Biomass Pellets for Co-Firing with Coal in Thermal Power Plants', 23 December 2023, <u>https://pib.gov.in/PressReleasePage.aspx-</u>?PRID=1989802.

45 Ministry of New and Renewable Energy, 'Press Release', 6 December 2023.

46 MoPNG, 'SATAT', n.d., https://satat.co.in/satat/#/.

47 Ananya Joshi, 'Market Report India', Market Report (World Biogas Association, n.d.).

48 MINISTRY OF JAL SHAKTI and DEPARTMENT OF DRINKING WATER & SANITA-

TION, 'GOBARdhan (Galvanizing Organic Bio-Agro Resources Dhan)', Unified Registration Portal For Biogas/ CBG/ Bio CNG plants, n.d.

49 Joshi, 'Market Report India'.

50 Minister of Finance, 'Budget 2023-204: Speech of Nirmala Sitharaman', February 2024, <u>https://www.indiabudget.gov.in/doc/Budget_Speech.pdf</u>.

51 Ministry of New and Renewable Energy, 'Government Initiates Various Steps under National

Bioenergy Programme to Promote and Encourage Establishment of New Waste to Energy Plants', 3 February 2023, <u>https://pib.gov.in/PressReleasePage.aspx?PRID=1896067</u>.

52 Ministry of Petroleum & Natural Gas, 'Utilisation of Biodiesel', 21 December 2023, <u>https://pib.gov.in/PressReleasePage.aspx?PRID=1989224</u>.

53 Ministry of Petroleum & Natural Gas, 'Blending of Biofuels', 11 December 2023, <u>https://pib.gov.in/PressReleasePage.aspx?PRID=1984975</u>.

54 Ibid.; Ministry of Petroleum & Natural Gas, 'ROAD MAP FOR MIXING ETHANOL IN PETROL AND DIESEL', Press Release, 4 December 2023, <u>https://pib.gov.in/PressReleasePage.</u> <u>aspx?PRID=1982356</u>.

55 Ministry of Petroleum & Natural Gas, 'ROAD MAP FOR MIXING ETHANOL IN PETROL AND DIESEL'; IEA, 'Biofuel Policy in Brazil, India and the United States - Insights for the Global Biofuel Alliance'.

56 Ministry of Petroleum & Natural Gas, 'Ethanol Blended Petrol', 11 December 2023, <u>https://pib.gov.in/PressReleasePage.aspx?PRID=1984972</u>.

57 Ministry of Consumer Affairs, Food & Public Distribution, 'Ethanol Production Capacity in the Country Is 1380 Crore Litres of Which 875 Crore Litres Is Molasses Based and 505 Crore Litres Is Grain Based', Press Information Bureau, 20 December 2023, <u>https://pib.gov.in/PressReleasePage.aspx?PRID=1988727</u>.

58 Ministry of Coal, 'National Coal Index with Base Year 2017-18 for the Month of February 2024', 4 April 2024, <u>https://coal.gov.in/sites/default/files/2024-04/05-04-2024a-nci.pdf</u>.

59 Reuters, 'India State Fuel Retailers Raise Maize Ethanol Purchase Price -Local Media', 4 January 2024, sec. Clean Energy, <u>https://www.reuters.com/business/energy/india-state-fuel-retai-lers-raise-maize-ethanol-purchase-price-local-media-2024-01-04/</u>.

60 Abhimanyu Sharma, 'Sugar for Ethanol to Continue, No Retail Price Hike despite Costlier Edible Oil Imports: Food Secretary', CNBCTV18, 16 April 2024, <u>https://www.cnbctv18.com/economy/sugar-for-ethanol-to-continue-no-retail-price-hike-despite-costlier-edible-oil-imports-food-secretary-19397377.htm/</u>.

Ananya Joshi, 'Market Report India', Market Report (World Biogas Association, n.d.)
Ministry of Power, 'Policy to Regulate Price of Biomass Pellets for Co-Firing with

Coal in Thermal Power Plants', 23 December 2023, <u>https://pib.gov.in/PressReleasePage.aspx-</u> ?PRID=1989802.