

```
1.5 Degree, 235
                                            Agarwal, Anil, 12, 229
                                            agrarian climate justice, 17, 208-211,
access to land, 12, 163, 214-217, 221, 225
                                                      221-223, 225
    policies and programmes to improve,
                                            agrarian justice, 17, 208-209, 225, 233
                                            agroecological farming, 7-8, 215, 217,
              222-223
accumulation, 4, 9, 209
                                                      219-220, 222-225, 233
activists, 15-17, 44, 75, 87-88, 90, 140,
                                            agroecology, 17, 208, 210, 215-217,
          148-154, 163-164, 176-177,
                                                      219-221, 223-225, 231, 233
          188, 194, 200, 211, 215, 230,
                                                farming, 7–8
          242
                                                policies and programmes, 221-222
    anti-caste, 174
                                            Ali, Salim, 147
    anti-mining, 86
                                            Ambedkar, B. R., 163, 165, 176, 198
    middle-class environmental, 146-147
                                                Mahad Satyagraha of 1927, 186-187
adaptation, 12, 14, 17, 25-28, 30-33,
                                            Ambedkar Slum Utthan Sangathan
                                                      (ASUS), 170
          36-39, 43-44, 116-119,
          121-122, 125, 127-128, 130,
                                            Andhra Pradesh (AP), 39, 60, 62, 77, 101,
          132, 151, 162, 168, 171, 192,
          194-199, 207, 232-235,
                                            Andhra Pradesh Vyavasay Vruthidarula
                                                      Union (Agricultural Workers
          239-241
    community-based, 40-41, 185
                                                      and Marginal Farmers Union),
Adivasi, 2, 5, 7, 10, 13-14, 75, 77n1,
          78-88, 91, 130, 133, 148-149,
                                            Anti-racist Research and Policy Center
          151, 164, 167, 171, 176-177,
                                                      (ARPC), xvii
          210, 237
                                            aquifers, 190-191, 195
administrative capacity, 25
                                            aridity, 194
Aga Khan Rural Support Programme
                                            Asian Cities Climate Change Resilience
          (India) (AKRSP [I]), 195
                                                      Network (ACCCRN), 31
```



252 Index

Assam, 6, 36, 60, 62, 66, 101, 122–124, Central Coalfields Limited (CCL), 3, 86 Chhattisgarh Bachao Andolan (CBA), 85, Atal Mission on Rejuvenation and Urban 88,90 Transformation (AMRUT), 29 Chhattisgarh Mukti Morcha (CMM), 85 Chhotray, Vasudha, 15, 24, 52, 77, 80-85, atmospheric commons, 9 auction(s) 232 coal block, 75, 82, 87, 115 cities, 9-10, 14, 25-44, 66, 99, 131, 145, district mineral foundations, 80 151, 168-176, 183, 198, 234, 236, 242 British Raj, 9 Climate and Development Knowledge bureaucracy, 58, 83, 117, 170 Network (CDKN), 131-132 foundations of Indian, 143 climate risks, 26, 29, 31-32, 41, 44, Bihar, 38, 60, 62, 78, 80, 83-84, 101, 122, 168-169, 235 climate resilient development pathways 125 Bihar Rural Livelihoods Project, 64 (CRDPs), 235 poor as vulnerable, 129 capitalism, 6, 8-10, 14, 141, 155, 163, Renewable Energy Policy of 2017, 166-167, 173, 185 64-65 carbon emissions, 7-8, 15, 44, 50, 98-101, state action plan, 129 104-112, 117, 134, 231 Bastar, 82-84 Center for Policy Research (CPR), xviii Bharat Coking Coal Limited (BCCL), 2 Centre for Science and Environment Bharatiya Janata Party (BJP), 81-84, 88 (CSE), 229-230 Biden, Joe, 3 char, 124 billionaires, 5, 98 cheap nature, 9 Bangladesh, 140 Chennai, 28, 35, 39, 131, 172, 183, 198 Bali Action Plan, 151 Chipko movement, 144-146, 149 Burrow, Sharan, 152 Chu, Eric, 12, 14, 17, 25-26, 29-30, 40, 43-44, 171-172, 229, 232, 235, caste, 5-6, 10-13, 16, 26, 42-44, 79, 82, 239, 241 90, 116, 121-128, 132-133, civil society, 5, 26, 32, 39-41, 43, 85, 90, 135, 161, 163-167, 172-176, 140, 143, 150, 207, 215, 230, 183-185, 187-192, 195-200, 237, 240 207-208, 210, 216, 218, 222, class, 6, 8, 11-12, 16, 24, 26, 29-30, 224-225, 231-235, 241 42-44, 78-79, 82, 121, and action plans, 130-131 125-126, 131-133, 142, 144, -based inequalities, 7, 17, 194 146-149, 151, 153-155, -based operations, 4 161, 170, 175, 183-190, 199, in contemporary India, 167-172 207-210, 212, 225, 232-236, hierarchy, 4, 9, 148, 161 239, 241 justice, 177 -driven differentiation, 10 -tribe distinction, 9–11, 13, 79 inequalities, 17 casteism, 12 struggle, 148

eco-, 176



Index 253

climate action plan, 7-8, 15, 115-116, coercion, 77, 166 119-121, 130, 132, 151, 230, collective farming, 211, 215, 219, 222, 225 232 colonialism, 6-10, 162-163 climate adaptation, 12, 14, 17, 25-28, carbon, 12 co-produced capitalist development, 30-33, 39, 43, 119, 130, 132, 185, 192, 194, 196-197, 199, 165 232, 235 common but differentiated climate bandwagon effect, 185 responsibilities (CBDR), 116, climate crisis, 4-6, 8, 11, 13, 99, 140, 151, 122, 152, 229-230 153, 161-163, 165, 167, 173, commons, 9, 13, 16, 80, 89-90, 130, 134, 177, 230, 233 152, 185, 190, 209-210 climate justice, 4, 6-8, 15-18, 52, 99, community-based adaptation, 36, 40-41 111-112, 115-116, 130, 136, community-based natural resource 139, 162-163, 165, 168, 172, management, 197, 200 175, 189, 207-208, 229, community ownership, 67-68 compensation, 66-67, 77, 79-80, 83, 231-232, 237, 239-243 agrarian, 209-211, 221-223, 225 85-88, 91 and caste justice, 177 consumption, 4, 9, 15-16, 30, 50, 61, 74, domestic, 229-230, 242 91, 101, 110, 152, 196, 234 framework, 11-14 contamination, 193 gender justice in, 209 cooperatives, 28, 53, 223 movements, 150-156, 174, 176, 233 Copenhagen Conference of Parties (CoP), and state action plans, 122-124 transformative, 238 corporate owned media, 85 urban, 26, 41-44 corporate social responsibility (CSR), climate law, 15, 118-119 79,91 climate litigation, 88, 134 Courts, 82, 169-170, 176, 188, 214 climate movements, 8, 16, 140-144, 150, COVID-19 pandemic, 2, 14, 135, 242 152-156, 177, 231 lockdown, 3, 5, 168 climate-resilient development pathways Crenshaw, Kimberlé, 189 (CRDPs), 235 critical cultural studies, 238 critical social science, 7 coal, 3, 15–16, 50–54, 74, 76, 78–82, 84-92, 115, 151, 153, 232 culture, 80, 85, 187, 243 Coal Bearing Areas Act 1957, 77 cyclones, 27-28, 30, 229 block, 75, 82, 87, 115 coalfields, 2 Dalit, 2, 4-5, 7, 10, 14, 16, 123, 131, 133, ministry, 2, 87 161, 164, 171, 173-177, nationalization in 1973, 77 186-188, 192-200, 210, 212, Coal India Limited (CIL), 3, 74, 78-80, 216, 224, 232-233, 237 86, 89, 91 blindness, 130 coastal, 28, 33, 75, 132, 190, 196, 241 land, 13 co-benefits, 43, 116-117, 120-128, 134, dams, 58, 147, 195, 210 232-233, 241



```
World Commission on Dams
                                                  ethnicity-based, 10-11
               (WCD), 148
                                             displacements, 50, 58, 75, 81-82, 163,
Das, Diganta, 234
                                                        168-169, 172, 175-177, 236,
Dasholi Gram Swarajya Mandal (DGSM),
                                                        238, 241
           144-145
                                             dispossession, 11, 13, 30, 42, 75, 77, 84,
Datta, Ayona, 25, 42, 171, 197, 234
                                                        89-91, 134, 163, 167, 177, 190,
Day, Rosie, 234
decarbonization, 69, 74
                                             dissent, 82, 85, 90
decentralization, 55, 67, 195
                                             distribution, 4, 8, 11-12, 27, 33, 35, 41,
decentralized electricity systems (DES),
                                                        44, 50-53, 55, 59, 61-64, 79,
           57-58
                                                        81, 89, 100, 106, 111-112,
decentralized solar energy system, 56-57,
                                                        117, 125, 130, 135, 162-163,
           67
                                                        168-170, 175-177, 186, 190,
    distributed generation, 58
                                                        194-195, 209, 213
Delhi/New Delhi, 9, 11, 35, 58, 61, 63-65,
                                             distributive justice, 52, 68
                                             domestic violence, 192
           67, 84, 119, 135, 145, 150-151,
           169-170, 184, 236
                                             drinking water, 7-8, 14, 17, 124-125, 129,
Delhi police, 153-154
                                                        131, 184-186, 188-198, 231,
democratic accountability, 143
                                                        233, 237
development, 3, 5, 8-9, 11, 14-16, 25, 29,
                                             drought, 27, 44, 151, 195, 218
           32-33, 39, 42-44, 53-54, 56,
                                             Durban Coalition for Climate Justice, 151
           67, 69, 74, 77-78, 80-81, 90,
           100, 111-112, 116-117, 118n2,
                                             early warning systems, 29
                                             Earthquake Rehabilitation and
           120, 129, 134-135, 151-153,
                                                        Reconstruction (ERR), 195
           170, 188-189, 197, 200, 220,
           230-236, 238-243
                                             economic elite, 5-6, 232
    anti-, 82
                                             economic liberalization /economic
    capitalist, 162-167, 177
                                                        reforms, 7, 13, 15, 77, 100-101,
    extractive, 83, 85, 87
                                                        104, 109, 141, 169, 231, 236
    greenfield, 91, 171
                                             education, 10, 41, 56, 111, 133-134,
    induced displacement, 58, 175
                                                        164-165, 187, 208, 210-211,
    studies, 238, 246
                                                        216, 230, 233-234
    urban, 26-27, 29-31, 64, 170, 172,
                                             elite, 5-6, 9, 16, 29, 33, 43, 51, 57, 80,
               177
                                                        82, 147, 170, 175, 199, 232,
digital governance, 163, 172-176, 242
                                                        240 - 241
disasters, 5, 29-30, 32-34, 36, 39-41,
                                                  caste, 164, 169
           131-132, 151, 229, 236, 238
                                                  conservationists, 156
discourse, 5, 52-54, 57, 68-69, 81-82, 88,
                                                  environmentalism, 142
           130, 142, 144, 149, 152, 155,
                                                  environmentalists, 175
           165, 169, 171, 176, 186, 199,
                                             emancipation, 24, 117
           209-210, 230, 233, 235, 239
                                             emissions, 4, 7-8, 11-12, 15-16, 28, 44,
discrimination, 123, 127, 130, 198, 216
                                                        50, 59, 74-75, 78, 98-101,
    caste-based, 131, 192, 194
                                                        103-112, 116-118, 120,
```



```
133-134, 151, 153, 196, 231,
                                             exploitation, 8-9, 81, 166, 191, 240
           235-236
                                                  caste, 173-174, 177
    luxury, 229
                                                  economic, 42
                                                  groundwater, 190
    methane, 230
    survival, 229-230
                                             extinction rebellion, xvii
                                             extractive development, 5, 81, 83, 85, 87
employment, 41-42, 55, 58, 64, 66, 75-76,
           79, 86-89, 91, 132, 145, 164,
           168, 171, 173, 192, 230
                                             farmer, 17, 57, 61, 65, 119, 133, 140, 148,
empowerment, 117, 123, 212, 235, 241
                                                        151, 154, 164, 171, 190-191,
                                                        207-214, 216, 218-221,
energy
    access, 15, 53, 68, 74, 121
                                                        223-225, 230, 233
    democracy, 15, 51-54, 57, 67
                                             feminization, 210
    justice, 8, 15, 51-55, 59, 61-62, 68
                                                  of agriculture, 132, 207
    poverty 50-51, 53, 91, 153n6
                                                  of agrarian crisis, 207, 211-215, 225
    transition, 3, 51-52, 54, 58-59, 61,
                                             finance, 13, 27, 64, 214-215
                                             financialization, 42, 211, 223
               68, 75-78, 89-91, 116, 232
    transitions, 3, 51-52, 54, 58-59, 61,
                                             fire, 2, 34, 78, 196
                                             floods, 5, 27-28, 31, 34, 36-38, 40, 44,
               68, 75–78, 89–91, 116, 232
environmental degradation, 6, 112, 153,
                                                        131, 151, 171-172, 176, 229,
           162, 169, 175, 235
                                                        2.41
Environmental Impact Assessment (EIA),
                                             food sovereignty, 17
           117-118, 153, 236
                                             forest, 13, 16, 75, 77-78, 80, 89, 115, 119,
environmentalism, 16, 130, 141, 146,
                                                        126, 128, 130, 149, 155, 166,
           149-150, 154, 234
                                                        174, 196
    bourgeois, 175
                                                  adivasi communities in, 10
    middle class, 30, 155
                                                  -based enterprises, 145
    politics of, 142-144
                                                  biomass, 122
    of the poor, 142
                                                  commons, 134, 210
environmental justice, 117, 130, 155
                                                  community-managed, 209
environmental law, 117
                                                  degradation, 155
environmental movements, 16, 130, 141,
                                                  -dwelling communities, 117–118, 175
                                                  -farm distinction, 9
           144, 146, 149, 156, 176–177,
           233
                                                  governance, 9
environmental and social impact
                                                  labour co-operatives (FLCs), 145
          assessments (EIA/SIA), 66
                                                  lands, 208
environmental sociology, 241
                                                  people, 11
epistemological pluralism, 8
                                                  resources, 85, 129-130
equity, 27, 34-41, 44, 74-75, 116,
                                                  rights, 9
           120-122, 125, 135, 151-152,
                                                  rights movement, 156
           154-156, 207, 233
                                                  workers, 151
ethnicity, 8, 26, 43, 125, 162
                                             forestland rights, 155
    -based discrimination, 10-11
                                             Forest Rights Act, 2006 (FRA), 13, 87, 118
```



256 Index

fossil developmentalism, 75 86-88, 123, 129, 132, 140-141, fossil fuels, 13, 15–16, 26, 52, 76–77, 99, 147-148, 150-153, 162, 101, 121, 135, 153, 231, 234 171, 175, 184, 186-188, 195, fragmented metropolitan, 236 207, 211, 213-217, 219, 222, France, 4 224-225, 232-233, 235, 238, frontline communities, 235 241-242 fundamental rights, 187, 216, 237 central, 75, 115, 120, 240 future generation, 243 colonial, 165, 177 Indian, 133, 135, 154, 229 Gandhi, Indira, 147 intervention, 25, 198 gender, 6, 8, 10-11, 16-17, 26, 42, 44, 61, national, 12, 32, 100 79, 116, 121–123, 125–126, state, 115, 120, 132, 234 133, 135, 161-162, 172, subnational, 26, 100 183-184, 187-189, 197-199, greenfield development, 91, 171 210, 211-215, 224-225, 233 greenhouse gases (GHGs), 4, 9, 12, 28, 50, 99, 117, 123, 127, 231, 235 inequality, 7, 17, 43, 185, 190-192, 194, 207-208, 232 gross domestic product (GDP), 9, 80, 98, justice, 209 104-109, 112, 118 responsive policy, 131–132 gross metering, 57, 63, 65 transformative, 235 groundwater, 183, 190-192, 196, 198 geography, 75, 161, 184, 238 Gujarat, 17, 34, 38, 58, 60, 62, 64, 77, 101, German Agency for International 175, 185, 190-192, 194-196, Cooperation (GIZ), 31 199-200, 233-234 Germany, 4, 90 Gujarat Water Supply and Sewerage Board (GWSSB), 191-192 gigawatt (GW), 51, 67, 75 Gini Coefficient, 4, 103 global capitalism, 6, 9, 14, 141, 166-167 hazards, 15, 28, 42, 241 Global North, 6, 9, 12-13, 15, 53-54, 117, healing, 24 141, 148, 155 healthcare, 79, 121, 129, 133, 230 Global South, 8, 11, 13, 29, 53-54, 68, 75, heatwaves, 5, 34, 229 151, 230, 237 Himachal Pradesh Electricity Regulatory global warming, 24, 230 Commission (HPERC), 66 good and services tax (GST), 32 Hinduism, 130, 198 Gorakhpur Environmental Action Group Hindu Succession (Amendment) Act, (GEAG), 39 2005 (HSAA), 214 governance, 7, 9, 17, 25, 27-28, 30-32, 42, housing, 26-27, 30, 32, 36-38, 42, 79, 134, 163, 170-171, 234, 237 51, 55, 57-58, 65, 80-81, 90, 121, 126, 129, 135, 150-151, human geography, 238 155-156, 163, 169, 172-176, Human Right to Water and Sanitation 184, 195, 199, 209, 231, 236, (HRtWS), 185, 187-188, 237 239-240, 242 human rights, 6, 27, 84-85, 154, 175, 184-185, 188, 237 government/s, 28-29, 31, 33, 40, 43, Hyderabad, 140, 234, 236 56-58, 65-66, 78, 82-84,



Index

Cambridge University Press & Assessment 978-1-009-17191-5 — Climate Justice in India Volume 1 Edited by Prakash Kashwan Index More Information

> hydroelectric, 147 inequity, 91, 121, 125-126, 151, 162, hydropower, 9, 53 199-200, 230 inflation, 231 ICLEI-Local Governments for informality, 44, 239 Sustainability, 31-32 Infrastructure, 14, 25, 27-29, 31, 33, identity, 6, 24, 81-82, 130, 170, 184, 189, 36-38, 40, 42, 44, 50-51,192, 199, 208, 210-212, 235, 57-58, 65, 67-68, 87, 111, 239, 242 125, 129, 134, 161, 166-167, improvement, 29, 82-83, 122, 166, 169, 169-174, 177, 184, 192-194, 221 196, 220, 232, 234, 240 inclusive development, 27, 36, 92, 125 innovation, 29, 31, 65, 241-242 Indian Administrative Service (IAS), 84 institutional effectiveness, 78, 83-84 India Climate Justice (ICJ), 151 intended nationally determined Indian Climate Justice Forum (ICJF), contributions (INDCs), 6 150-152 interdisciplinary, 11, 189, 246 Indian Constitution, 78, 120, 124-128, intermediaries, 86 140-141, 164, 188, 236 International Metalworkers Federation Article 21, 185 (IMF), 152 74th Constitution Amendment Act International Trade Union Confederation (ITUC), 152 (1992), 27-28, 30Indian Meteorological Department, 40 International Union for Conservation of indigenous, 11-12, 75, 78n2, 140, 149, Nature (IUCN), 147 151, 155, 192, 208, 212, 237 interpretive policy analysis, 59 intersectional agrarian justice, 17 inequalities, 4, 11, 14-15, 25, 30, 33, 79, 115-116, 129-130, 133-136, intersectional water justice, 184, 189, 200 intersectionality, 7, 17, 43, 131, 136, 185, 155, 163-164, 167, 172, 183, 199-200, 207-210, 225, 231, 187-189, 197-198, 208 235, 242 class, 233 Japan, 4 climate, 44, 238 Jawaharlal Nehru National Urban distributive, 41 Renewal Mission (JNNURM), economic, 7, 10, 29, 98-101, 104, 27-28,33106-112, 121-128, 184, Jawaharlal Nehru National Solar Mission, 231, 240 64 emission, 230 Jharia, 2, 78 gender, 190-198 Jharkhand, 2-3, 15-16, 60, 62, 64-66, 67, intersectional, 6, 8 75-76, 77n1, 78, 80-86, 88-90 land, 211-215 Jharkhand Mines Area Coordination Committee (JMACC), 85, 90 political inequalities, 5, 10-11, 26, 116-117, 134 Jharkhand Mukti Morcha (JMM), 81, 86 social, 10, 16, 26, 184-189, 233, 239, Jharkhand Organization for Human

structural, 26

Rights (JOHAR), 85

joint liability groups (JLGs), 132, 219–221, 223 257



258 Index

justice. See Climate justice just participation, 56, 58-59, 62-63, 66-67 just transition, 3, 15, 63, 75-76, 92 implications for, 89-91 politics of, 76-78 Kashwan, Prakash, 6-7, 9-14, 18, 69, 77, 92, 115–116, 119, 131, 135, 141, 143, 149, 155-156, 168, 175, 188, 199-200, 232-233, 236-240 Kerala, 17, 36, 39, 60-63, 65, 101, 123, 151, 213, 225, 233 gender-inclusive climate action plan, 132 Kudumbashree Mission in, 132, 208, 211, 218-221 policies for tribal lands use, 66-67 Silent valley movement in, 144, 146-147 three-pillared institutional support system, 222, 224 Kerala Sastra Sahitya Parishad (KSSP), 146 kilowatt-hour (kWh), 51, 55 knowledge systems, 192, 239-240 Kudumbashree. See Kerala, Kudumbashree Mission in land acquisition, 6, 53, 63, 77, 80, 82, 84, 86-87, 89-91, 134, 170-171, 209 Land Acquisition, Rehabilitation and Resettlement Act 2013 (LARRA), 77, 82 land laws, 6, 77, 84, 214 land leasing, 215, 217, 219-220, 222-225 landless/landlessness, 13, 130, 164, 166, 168, 171, 210-211, 213, 215-218, 221-222, 225 land restitution, 13

land rights, 17, 82, 119, 132, 167-168, 175, 207-210, 213-214, 216-217, 221-225, 233, 237 La Via Campesina (LVC), 208 Leaders Summit on Climate, 3 Let India Breathe campaign, 154 LGBTQ, xvii livelihood environmentalism, 142 livelihoods, 42-43, 58, 66, 75-76, 89-90, 111, 123, 125, 128-131, 133, 142, 147, 171, 207-208, 212, 215-216, 218, 221, 225, 237 Local Self Government Institutions (LSGIs), 61 loss and damage, 13 luxury emissions, 229-230 Madhya Pradesh (MP), 36, 60, 62, 80, 84, Mahatma Gandhi National Rural **Employment Guarantee Act** (MGNREGA) 2005, 132, 220 Mahila Kisan Adhikaar Manch (MAKAAM), 208, 211, 237 mangroves, 241 manual scavenging, 164, 173 Manusmriti, 187, 198 Maoists, 85 marginality, 41-42, 189, 192, 238 environmental, 172 Mausam newsletter, 151-152 media, 2, 198 corporate-owned, 85 mainstream, 151 social, 153 megawatt (MW), 6, 66-67, 89 member of parliament (MP), 16 menstruation, 187, 193 middle class, 2, 43, 82, 142, 144, 149, 154 environmentalism, 30, 146-148, 151, 155, 234 migration, 111, 168, 196 distress, 132



Index 259

labour, 168 National Green Tribunal (NGT), 135, out, 197, 212, 218 175 - 176minerals, 9, 78, 80 National Mission for Sustainable Habitat, resource governance, 77 Mines and Minerals (Development nationalism, 7, 10 climate, 150, 230 and Regulation) Act 1957 (MMDRA), 77, 80 vaccine, 242 mining, 3, 15, 58, 76-83, 85-92, 103, 135, nationally determined contributions (NDCs), 118-119 151, 210, 236 mitigation, 12, 14, 25, 28, 35-39, 43-44, National Rural Livelihoods Mission 50-51, 69, 99, 112, 116-119, (NRLM), 133, 215-216, 218 121-123, 125-127, 134, 151, National Thermal Power Corporation 162 (NTPC), 86, 89 Modi, Narendra, 3, 82, 87, 154, 242 natural disasters, 40-41, 238 Naxals, 84 mobilization, 7, 9, 16-18, 41, 79, 81-82, 85, 141-142, 146-151, rebels, 85 153-156, 171, 188, 231, 238, neighbourhood group (NHG), 219 242-243 neoimperialism, 7 neoliberal, 13-14, 25, 28-30, 33, 44, 163, Nanda Devi National Park and Biosphere 168, 170, 172, 188, 200, 215, Reserve, 146 235 - 236neoliberalism, 174, 231, 239 Narain, Sunita, 12, 229-230 Narmada Bachao Andolan (NBA), Nepal, 140, 209 143-144, 147-151, 155 net zero, 16, 117 Narmada Valley Development Project New Trade Union Initiative (NTUI), 153 new urban agenda, 236 (NVDP), 147-148 National Action Plan on Climate Change Niyamgiri judgement, 143 (NAPCC), 28, 117, 119-122, non-governmental organisations (NGOs), 125, 130, 133, 135 17, 39-41, 91, 143, 148, 151, 184, 188, 195, 197, 211, National Bank for Agriculture and Rural Development (NABARD), 219 223-225, 233, 237 National Commission on Dalit Human norms, 4, 43, 59, 77, 161, 168, 184, 187, Rights (NCDHR), 130-131 193, 195, 199-200, 212, 215, National Crime Records Bureau (NCRB), 218, 221, 224-225 incubation, 120 National Disaster Management Authority, patriarchal, 192, 207 40 North America, 230 National Fishworkers' Forum, 151 North Eastern Society for the Preservation of Nature and fisher groups, 140 fisherfolk, 119, 147 Wildlife (NESPON), 151n2 National Forum of Forest People and Forest Workers, and Nagarik Odisha, 34, 60, 62, 64, 67, 78, 115,

Mancha, 151n2

122-123, 126, 128-130



260 Index

Omvedt, Gail, 139, 148-149 pollution, 5, 10–11, 14, 27, 35, 37, 78, 99, open defecation free (ODF), 172 118, 134–135, 151, 169, 176, oppression, 2, 4, 24, 92, 165, 189, 194, 192, 232 198, 211 poor, 4-5, 10, 12-14, 25-27, 29-30, 33, orientation, 126 35-38, 41-42, 44, 51, 55-56, sexual, 132, 210 74-75, 77, 79, 90, 98-99, 101, Other Backward Classes (OBC), 82 111-112, 116-119, 121-122, outsiders, 81, 155 124-129, 131-133, 135, 141-142, 147, 183, 185, 187, panchayats, 57, 65-66, 132, 219-220 189-192, 199, 210, 213, 215, Panchayat (Extension to Scheduled 219, 221-222, 225, 230, 232, Areas) Act (PESA), 1996, 13, 236-237 87 postcolonial/postcolonialism, 165, pandemic. See COVID-19 pandemic 167-168, 174, 176-177 pani samitis, 195, 199 period, 164, 169 Paris Climate Agreement, 6, 16, 118, 236 state, 141, 239 partnerships, 31, 64-65, 90, 92, 195, 199, poverty, 4-6, 14, 41, 44, 115-116, 117, 241-242 121, 124-126, 129, 133-135, public-private, 29, 41-42, 91, 234 189, 232, 235, 243 US-India Clean Energy Agenda alleviation, 27-28, 42, 116, 132, 215, 2030, 3 218-219 -environment nexus, 112 patriarchy, 4, 12, 192, 207, 214, 218, 224 patronage, 75, 85 reduction, 37 Pedagogy of the Oppressed, 24 power, 3-4, 6-7, 25, 27, 42, 50-51, 54-56, Permanent Settlement, 166 61, 64-66, 68-69, 74, 79, 89, photovoltaics (PV), 51 91, 100, 125, 135, 141, 143, planetary system, 24, 162 154, 156, 162-165, 172-173, planet earth, 24 188, 191, 195, 199, 209-211, planning, 14, 26-33, 36-41, 53, 55, 68, 86, 214, 231-232, 239 119, 121, 123, 125-126, 129, differentials, 26 166, 169-170, 172, 177, 238 regime of, 76 plantation drive, 154 structure, 43, 164 pluralism, 8 primary agricultural co-operative Poland, 4, 90 societies (PACS), 220 policy integration, 64 Prime Minister's Council on Climate policy process, 7-8, 12, 14, 68, 231 Change (PMCCC), 119 political ecology, 239, 241 private companies, 79n3, 82, 86, 88, 91 political economy, 15, 78, 121, 133-134, privatization, 33, 54, 91-92, 200 189, 230, 237-239 privilege, 4, 42, 64, 148, 165, 189 political elites, 80, 82, 147, 240 procedural justice, 12, 58, 68 political intermediation, 240 profligate consumption, 9, 16 political parties, 81-82, 85, 88, 140, 230 prosumer, 56, 65 political science, 238



Index 261

protest, 85–86, 88, 91, 145, 151, 153–154, resettlement, 66-67, 77, 83, 90, 148, 170 174-175, 187, 198 resilience, 12, 14, 17, 26-27, 29-33, 35, psychological, 9 39, 43, 123, 126, 128-129, 132, public goods, 111, 126, 191 134, 162, 171, 185, 194-195, public infrastructure, 68, 87, 240 198, 207-208, 216, 219, public interest, 88, 142, 170 221-222, 225, 233-237, 241 public interest litigation (PIL), 88, 134, resistance, 32, 75, 77-78, 80-81, 86, 169 88-89, 92, 174, 214, 224 public ownership, 67 state management of, 84-85 public policy, 232 resource mobilization, 17, 150, 242 public sector undertakings (PSUs), 54, restitution, 11-13, 209-210 84,86 revenue, 25, 33, 42, 66, 87, 115, 166-167, public sphere, 14, 52, 143-144 172, 177, 214 public-private, 29, 41-42, 91, 232, 234 rickshaw, 151 right to food, 237-238 purity-pollution divide, 192-193 Right to Information (RTI), 76, 88 racialized frontier region, 9 right to water, 185-186, 188, 237 Rajasthan, 32, 60, 62, 64, 66, 77, 101, rights, 6, 9, 13, 17-18, 27, 42, 44, 54, 122-123, 127-128, 191 57, 66, 74, 78, 81, 83-85, 88, Rajiv Awas Yojana, 28 90, 117-119, 132, 134-135, rape, 4, 193 140-141, 146-147, 149, 153*n*6, Rashtriya Swayamsevak Sangh (RSS), 154-156, 166-168, 170-171, 81 - 82175, 177, 184, 187-190, Ravi, Disha, 154 207-211, 213-214, 216-217, recognitional justice, 27 221-225, 233, 236-239 reducing emissions from deforestation risk, 11-12, 14, 25-34, 37-38, 40-44, 51, and forest degradation 89, 111, 122, 151, 168-170, (REDD), 151 175-176, 218, 230, 235-236, reform, 7, 13, 15, 25, 27-30, 33, 42, 104, 242 148, 163, 168, 170, 188, 191, rivers, 2, 58, 147, 149, 154, 169, 176 200, 214-215, 218, 231, 236 Robinson, Kim Stanley, xvii Rockefeller Foundation, 31-33 regimes, 7, 9, 15, 33, 52, 76–78, 80–82, 84-86, 88-92, 143, 163-168, Roy, Arundhati, 2, 54, 239 172-174, 177, 232, 236, 242 royalties, 80 regulation, 28, 57, 78, 143, 153, 231 rural electric co-operatives (RECs), 53 rehabilitation, 54, 66-67, 83, 148 renewable energy (RE), 3, 6, 15, 51-54, Safai Karmachari Andolan, 164, 173 56, 58-61, 64, 66, 68-69, salinity, 190, 196 75-77, 89-92, 118-119, 121, Samatha judgement, 143 134, 153, 231-232, 234 sanitation, 14, 27, 29, 124, 127, 129, 131, 163, 170-177, 184-185, 195, renewable energy service company (RESCO) model, 67 234, 237

reparation, 8, 11-12



262 Index

Sardar Sarovar Project (SSP), 144, Sri Lanka, 140 147-148 Stakeholders, 3, 12, 38, 53, 74, 171 savarna, 154 state, 7-10, 13, 17, 25, 28-30, 33, 39-41, Scarcity, 122, 131-132, 183, 185-188, 51-53, 55-62, 64, 66-68, 190-191, 193-194, 197, 199, 75-84, 86-92, 99-104, 106-111, 115, 117, 120, 141, Scheduled Caste (SC), 124, 126, 164-165, 143-144, 147-150, 155-156, 168, 212 175-176, 184-186, 188, Scheduled Tribe (ST), 81, 124, 126, 165, 191-192, 194, 196, 199-200, 168, 212 207-208, 211, 213-215, sea level rise, 27, 30-31, 44, 241 224-225, 234, 236-240, 246 segregation, 187-188 accountability, 134-136, 143, 156 self-help groups (SHGs), 57, 65, 132, management of resistance, 84-85 215-216, 219-220, 222-223, policies and programmes for 2.2.5 agroecology and access to Sendai Framework for Disaster Risk land, 221-223 Reduction, 236 welfare, 14 shareholders, 234 State Action Plan on Climate Change slums, 10, 28, 30, 32, 34, 36, 38, 40, (SAPCCs), 120, 122-129, 169-171, 236 131-136 smart cities, 170-172, 174-176, 234, 236, state excesses, 82 State Investment Promotion Board 2.42 Smart Cities Mission, 28-29, 32, 170, (SIPB), 84 172-174, 235-236 status quo, 7, 10, 13, 134, 154, 199, 231, social change, 166, 200, 238, 240, 242 237, 239, 241 social exclusion, 29, 42, 126, 132, 238 stocktaking, 236 social hierarchy, 144, 164, 187 subsistence, 149, 230, 237 Social Impact Assessment (SIA), 66 farming, 145 social mobilization, 16, 153, 156, 188 forest-based, 145 social movement, 52, 85, 150, 222, 225, survival emissions, 229-230 sustainable development, 29, 64, 112, social resilience, 194, 236-237 121–122, 127, 129, 184, 235 sociology, 238 Swachh Bharat Abhiyan (Clean India environmental, 241 Mission), 29 solar energy, 35, 56-57, 64, 66, 68, 117 policy, 51, 58 Tamil Nadu Rural Livelihoods Mission transitions, 58-59, 61 (TNRLM), 215-216, 222 solar plant, 6, 68 Tamil Nadu Women's Collective South Asian People's Action on Climate (TNWC), 208, 215-218, Crisis (SAPACC), 140, 152 222-224, 226 South Eastern Coalfields Limited (SECL), technocratic, 7, 29, 119, 231, 234 86 - 88technology, 25, 29, 40, 50–51, 58, 76–78, Soviet Union, 4 99, 110, 112, 116, 122, 172,



174, 177, 190, 230, 232, 234,	Human Settlements Programme
236-237, 241-242	(UN-Habitat), 236
tenancy, 167	Sustainable Development Goals for
inferior, 167	2030, 17, 184
laws, 214, 223, 225	United States (US), 3-4, 16, 53, 99, 161
superior, 167	Agency for International
territorial sovereignty, 149	Development (USAID), 31
The Energy and Resources Institute	Unlawful Activities (Prevention) Act
(TERI), 40, 119	(UAPA), 154
Thunberg, Greta	untouchability, 130, 164, 187-188,
dossier case, 154	193-194
mobilization of farmers against Modi	urban development, 26-27, 29-31, 42, 64,
government, 154	170, 172, 177, 236
Towards Zero Carbon Development	urban governance, 25, 172, 231
(T-Zed), 30	Urban Infrastructure Development
Trade Unions for Energy Democracy	Scheme for Small and Medium
(TUED), 54, 153	Sized Towns (UIDSSMT), 28
trade unions, 52, 54, 79, 85, 140, 152–153	urban local bodies (ULBs), 27, 57, 66, 236
traditional knowledge, 186	urban planning, 26-29, 32, 169-170, 172,
transformation, 14–15, 27, 44, 75, 91, 99,	177, 238
146, 199, 235–236, 240	urban poor, 5, 14, 25–26, 29, 33, 35–37,
transformational change, 240	41-42, 119
tribal, 66, 81, 84, 234-235	urbanization, 14, 26, 123, 126
tubewell, 190-191	Uttarakhand, 60, 63, 122-123, 128-129,
-assisted exploitation of aquifers, 191	144–146, 185, 192–194,
capitalism, 185	196–200, 233
	Uttar Pradesh (UP), 35, 60, 62, 101
United Kingdom, 4	Zamindari Abolition and Land
United Nations (UN), 150, 162, 191	Reforms Act, 1950, 214
Declaration on the Rights of	
Indigenous Peoples	village energy committees (VECs), 57
(UNDRIP), 237	violence/violent, 3-4, 11, 84, 111, 141,
Declaration on the Rights of Peasants	149, 169, 173, 187, 193, 217,
and Other People	224
Working in Rural Areas	domestic, 192
(UNDROP), 13, 237	intra-household, 192
Development Programme (UNDP),	sexual, 216
31, 128–129, 133	state-sponsored, 82
Framework Convention on Climate	voiceless, 50, 154
Change (UNFCC), 150	vulnerability, 4, 7–8, 10, 12, 15, 26, 28–44,
General Assembly, 13, 185, 187, 237	118, 120, 122–123, 125–126,
High Commissioner for Refugees	129, 132–135, 156, 168,
(UNHCR), 238	184–185, 192, 196, 198–199,



> 264 Index

209-210, 232-233, 235, 241-242 WaterAid, 186 Water and Sanitation Management Organisation (WASMO), 195, 200 water, 7-8, 12, 14, 17, 27, 35-37, 40-41, 43, 82, 119–121, 123–125, 127, 129-131, 134, 145, 148, 154, 170, 184-185, 187, 195, 198, 200, 217, 231, 233-234, 237 extraction, 190 infrastructure, 192-194 insecurity, 184 pollution, 5 rights, 187-189 scarcity, 122, 132, 183, 185-187, 190-191, 194, 197, 199 supply, 170, 186, 190-198 tankers, 184, 191-192

urban, 29

welfare, 3, 13-14, 42, 61, 82, 86, 132-133, 135, 141, 169-170, 174, 188, 191, 240 wells, 166, 186, 190-192, 195-196, 198 West Bengal (WB), 37, 60, 63-64, 66-67, 78, 101, 151, 230 women, 2, 4-5, 7, 11, 17, 24, 38, 40, 43, 53, 61, 64, 87, 119, 121-128, 131-133, 140, 145-146, 149, 164, 176, 183, 185, 187, 189, 191-194, 196-199, 207, 209-223, 225, 231, 234, 237 collectives, 208, 215, 224-225, 233 land access, 215 land inheritance, 214, 218 land rights, 167, 208, 223, 233, 237 sangams, 217 World Bank, 9, 31, 78, 147-148, 197, 199-200, 213 Yenneti, Komali, 15, 27, 58, 66, 75, 90, 209, 234 youth, 64, 153-154, 156

climate movement, 16, 141, 153