

Index

- 1.5 Degree, 235
- access to land, 12, 163, 214–217, 221, 225
 - policies and programmes to improve, 222–223
- accumulation, 4, 9, 209
- activists, 15–17, 44, 75, 87–88, 90, 140, 148–154, 163–164, 176–177, 188, 194, 200, 211, 215, 230, 242
 - anti-caste, 174
 - anti-mining, 86
 - middle-class environmental, 146–147
- adaptation, 12, 14, 17, 25–28, 30–33, 36–39, 43–44, 116–119, 121–122, 125, 127–128, 130, 132, 151, 162, 168, 171, 192, 194–199, 207, 232–235, 239–241
 - community-based, 40–41, 185
- Adivasi, 2, 5, 7, 10, 13–14, 75, 77*n*1, 78–88, 91, 130, 133, 148–149, 151, 164, 167, 171, 176–177, 210, 237
- administrative capacity, 25
- Aga Khan Rural Support Programme (India) (AKRSP [I]), 195
- Agarwal, Anil, 12, 229
- agrarian climate justice, 17, 208–211, 221–223, 225
- agrarian justice, 17, 208–209, 225, 233
- agroecological farming, 7–8, 215, 217, 219–220, 222–225, 233
- agroecology, 17, 208, 210, 215–217, 219–221, 223–225, 231, 233
 - farming, 7–8
 - policies and programmes, 221–222
- Ali, Salim, 147
- Ambedkar, B. R., 163, 165, 176, 198
 - Mahad Satyagraha of 1927, 186–187
- Ambedkar Slum Utthan Sangathan (ASUS), 170
- Andhra Pradesh (AP), 39, 60, 62, 77, 101, 213
- Andhra Pradesh Vyavasay Vruthidarula Union (Agricultural Workers and Marginal Farmers Union), 151
- Anti-racist Research and Policy Center (ARPC), xvii
- aquifers, 190–191, 195
- aridity, 194
- Asian Cities Climate Change Resilience Network (ACCCRN), 31

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

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

- World Commission on Dams
(WCD), 148
- Das, Diganta, 234
- Dasholi Gram Swarajya Mandal (DGSM),
144–145
- Datta, Ayona, 25, 42, 171, 197, 234
- Day, Rosie, 234
- decarbonization, 69, 74
- decentralization, 55, 67, 195
- decentralized electricity systems (DES),
57–58
- decentralized solar energy system, 56–57,
67
- distributed generation, 58
- Delhi/New Delhi, 9, 11, 35, 58, 61, 63–65,
67, 84, 119, 135, 145, 150–151,
169–170, 184, 236
- Delhi police, 153–154
- democratic accountability, 143
- development, 3, 5, 8–9, 11, 14–16, 25, 29,
32–33, 39, 42–44, 53–54, 56,
67, 69, 74, 77–78, 80–81, 90,
100, 111–112, 116–117, 118*n*2,
120, 129, 134–135, 151–153,
170, 188–189, 197, 200, 220,
230–236, 238–243
- anti-, 82
- capitalist, 162–167, 177
- extractive, 83, 85, 87
- greenfield, 91, 171
- induced displacement, 58, 175
- studies, 238, 246
- urban, 26–27, 29–31, 64, 170, 172,
177
- digital governance, 163, 172–176, 242
- disasters, 5, 29–30, 32–34, 36, 39–41,
131–132, 151, 229, 236, 238
- discourse, 5, 52–54, 57, 68–69, 81–82, 88,
130, 142, 144, 149, 152, 155,
165, 169, 171, 176, 186, 199,
209–210, 230, 233, 235, 239
- discrimination, 123, 127, 130, 198, 216
- caste-based, 131, 192, 194
- ethnicity-based, 10–11
- displacements, 50, 58, 75, 81–82, 163,
168–169, 172, 175–177, 236,
238, 241
- dispossession, 11, 13, 30, 42, 75, 77, 84,
89–91, 134, 163, 167, 177, 190,
236
- dissent, 82, 85, 90
- distribution, 4, 8, 11–12, 27, 33, 35, 41,
44, 50–53, 55, 59, 61–64, 79,
81, 89, 100, 106, 111–112,
117, 125, 130, 135, 162–163,
168–170, 175–177, 186, 190,
194–195, 209, 213
- distributive justice, 52, 68
- domestic violence, 192
- drinking water, 7–8, 14, 17, 124–125, 129,
131, 184–186, 188–198, 231,
233, 237
- drought, 27, 44, 151, 195, 218
- Durban Coalition for Climate Justice, 151
- early warning systems, 29
- Earthquake Rehabilitation and
Reconstruction (ERR), 195
- economic elite, 5–6, 232
- economic liberalization /economic
reforms, 7, 13, 15, 77, 100–101,
104, 109, 141, 169, 231, 236
- education, 10, 41, 56, 111, 133–134,
164–165, 187, 208, 210–211,
216, 230, 233–234
- elite, 5–6, 9, 16, 29, 33, 43, 51, 57, 80,
82, 147, 170, 175, 199, 232,
240–241
- caste, 164, 169
- conservationists, 156
- environmentalism, 142
- environmentalists, 175
- emancipation, 24, 117
- emissions, 4, 7–8, 11–12, 15–16, 28, 44,
50, 59, 74–75, 78, 98–101,
103–112, 116–118, 120,

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

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

- hydroelectric, 147
hydropower, 9, 53
- ICLEI-Local Governments for
Sustainability, 31–32
- identity, 6, 24, 81–82, 130, 170, 184, 189,
192, 199, 208, 210–212, 235,
239, 242
- improvement, 29, 82–83, 122, 166, 169,
221
- inclusive development, 27, 36, 92, 125
- Indian Administrative Service (IAS), 84
- India Climate Justice (ICJ), 151
- Indian Climate Justice Forum (ICJF),
150–152
- Indian Constitution, 78, 120, 124–128,
140–141, 164, 188, 236
Article 21, 185
74th Constitution Amendment Act
(1992), 27–28, 30
- Indian Meteorological Department, 40
- indigenous, 11–12, 75, 78*n*2, 140, 149,
151, 155, 192, 208, 212, 237
- inequalities, 4, 11, 14–15, 25, 30, 33, 79,
115–116, 129–130, 133–136,
155, 163–164, 167, 172, 183,
199–200, 207–210, 225, 231,
235, 242
class, 233
climate, 44, 238
distributive, 41
economic, 7, 10, 29, 98–101, 104,
106–112, 121–128, 184,
231, 240
emission, 230
gender, 190–198
intersectional, 6, 8
land, 211–215
political inequalities, 5, 10–11, 26,
116–117, 134
social, 10, 16, 26, 184–189, 233, 239,
243
structural, 26
- inequity, 91, 121, 125–126, 151, 162,
199–200, 230
- inflation, 231
- informality, 44, 239
- Infrastructure, 14, 25, 27–29, 31, 33,
36–38, 40, 42, 44, 50–51,
57–58, 65, 67–68, 87, 111,
125, 129, 134, 161, 166–167,
169–174, 177, 184, 192–194,
196, 220, 232, 234, 240
- innovation, 29, 31, 65, 241–242
- institutional effectiveness, 78, 83–84
- intended nationally determined
contributions (INDCs), 6
- interdisciplinary, 11, 189, 246
- intermediaries, 86
- International Metalworkers Federation
(IMF), 152
- International Trade Union Confederation
(ITUC), 152
- International Union for Conservation of
Nature (IUCN), 147
- interpretive policy analysis, 59
- intersectional agrarian justice, 17
- intersectional water justice, 184, 189, 200
- intersectionality, 7, 17, 43, 131, 136, 185,
187–189, 197–198, 208
- Japan, 4
- Jawaharlal Nehru National Urban
Renewal Mission (JNNURM),
27–28, 33
- Jawaharlal Nehru National Solar Mission,
64
- Jharia, 2, 78
- Jharkhand, 2–3, 15–16, 60, 62, 64–66, 67,
75–76, 77*n*1, 78, 80–86, 88–90
- Jharkhand Mines Area Coordination
Committee (JMACC), 85, 90
- Jharkhand Mukti Morcha (JMM), 81, 86
- Jharkhand Organization for Human
Rights (JOHAR), 85
- joint liability groups (JLGs), 132,
219–221, 223

- 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, 101
- 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

- labour, 168
 out, 197, 212, 218
 minerals, 9, 78, 80
 resource governance, 77
 Mines and Minerals (Development and Regulation) Act 1957 (MMDRA), 77, 80
 mining, 3, 15, 58, 76–83, 85–92, 103, 135, 151, 210, 236
 mitigation, 12, 14, 25, 28, 35–39, 43–44, 50–51, 69, 99, 112, 116–119, 121–123, 125–127, 134, 151, 162
 Modi, Narendra, 3, 82, 87, 154, 242
 mobilization, 7, 9, 16–18, 41, 79, 81–82, 85, 141–142, 146–151, 153–156, 171, 188, 231, 238, 242–243
 Nanda Devi National Park and Biosphere Reserve, 146
 Narain, Sunita, 12, 229–230
 Narmada Bachao Andolan (NBA), 143–144, 147–151, 155
 Narmada Valley Development Project (NVDP), 147–148
 National Action Plan on Climate Change (NAPCC), 28, 117, 119–122, 125, 130, 133, 135
 National Bank for Agriculture and Rural Development (NABARD), 219
 National Commission on Dalit Human Rights (NCDHR), 130–131
 National Crime Records Bureau (NCRB), 4
 National Disaster Management Authority, 40
 National Fishworkers' Forum, 151
 fisher groups, 140
 fisherfolk, 119, 147
 National Forum of Forest People and Forest Workers, and Nagarik Mancha, 151*n*2
 National Green Tribunal (NGT), 135, 175–176
 National Mission for Sustainable Habitat, 29
 nationalism, 7, 10
 climate, 150, 230
 vaccine, 242
 nationally determined contributions (NDCs), 118–119
 National Rural Livelihoods Mission (NRLM), 133, 215–216, 218
 National Thermal Power Corporation (NTPC), 86, 89
 natural disasters, 40–41, 238
 Naxals, 84
 rebels, 85
 neighbourhood group (NHG), 219
 neoimperialism, 7
 neoliberal, 13–14, 25, 28–30, 33, 44, 163, 168, 170, 172, 188, 200, 215, 235–236
 neoliberalism, 174, 231, 239
 Nepal, 140, 209
 net zero, 16, 117
 New Trade Union Initiative (NTUI), 153
 new urban agenda, 236
 Niyamgiri judgement, 143
 non-governmental organisations (NGOs), 17, 39–41, 91, 143, 148, 151, 184, 188, 195, 197, 211, 223–225, 233, 237
 norms, 4, 43, 59, 77, 161, 168, 184, 187, 193, 195, 199–200, 212, 215, 218, 221, 224–225
 incubation, 120
 patriarchal, 192, 207
 North America, 230
 North Eastern Society for the Preservation of Nature and Wildlife (NESPON), 151*n*2
 Odisha, 34, 60, 62, 64, 67, 78, 115, 122–123, 126, 128–130

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

- protest, 85–86, 88, 91, 145, 151, 153–154, 174–175, 187, 198
 psychological, 9
 public goods, 111, 126, 191
 public infrastructure, 68, 87, 240
 public interest, 88, 142, 170
 public interest litigation (PIL), 88, 134, 169
 public ownership, 67
 public policy, 232
 public sector undertakings (PSUs), 54, 84, 86
 public sphere, 14, 52, 143–144
 public–private, 29, 41–42, 91, 232, 234
 purity–pollution divide, 192–193

 racialized frontier region, 9
 Rajasthan, 32, 60, 62, 64, 66, 77, 101, 122–123, 127–128, 191
 Rajiv Awas Yojana, 28
 rape, 4, 193
 Rashtriya Swayamsevak Sangh (RSS), 81–82
 Ravi, Disha, 154
 recognitional justice, 27
 reducing emissions from deforestation and forest degradation (REDD), 151
 reform, 7, 13, 15, 25, 27–30, 33, 42, 104, 148, 163, 168, 170, 188, 191, 200, 214–215, 218, 231, 236
 regimes, 7, 9, 15, 33, 52, 76–78, 80–82, 84–86, 88–92, 143, 163–168, 172–174, 177, 232, 236, 242
 regulation, 28, 57, 78, 143, 153, 231
 rehabilitation, 54, 66–67, 83, 148
 renewable energy (RE), 3, 6, 15, 51–54, 56, 58–61, 64, 66, 68–69, 75–77, 89–92, 118–119, 121, 134, 153, 231–232, 234
 renewable energy service company (RESCO) model, 67
 reparation, 8, 11–12
 resettlement, 66–67, 77, 83, 90, 148, 170
 resilience, 12, 14, 17, 26–27, 29–33, 35, 39, 43, 123, 126, 128–129, 132, 134, 162, 171, 185, 194–195, 198, 207–208, 216, 219, 221–222, 225, 233–237, 241
 resistance, 32, 75, 77–78, 80–81, 86, 88–89, 92, 174, 214, 224
 state management of, 84–85
 resource mobilization, 17, 150, 242
 restitution, 11–13, 209–210
 revenue, 25, 33, 42, 66, 87, 115, 166–167, 172, 177, 214
 rickshaw, 151
 right to food, 237–238
 Right to Information (RTI), 76, 88
 right to water, 185–186, 188, 237
 rights, 6, 9, 13, 17–18, 27, 42, 44, 54, 57, 66, 74, 78, 81, 83–85, 88, 90, 117–119, 132, 134–135, 140–141, 146–147, 149, 153, 166, 154–156, 166–168, 170–171, 175, 177, 184, 187–190, 207–211, 213–214, 216–217, 221–225, 233, 236–239
 risk, 11–12, 14, 25–34, 37–38, 40–44, 51, 89, 111, 122, 151, 168–170, 175–176, 218, 230, 235–236, 242
 rivers, 2, 58, 147, 149, 154, 169, 176
 Robinson, Kim Stanley, xvii
 Rockefeller Foundation, 31–33
 Roy, Arundhati, 2, 54, 239
 royalties, 80
 rural electric co-operatives (RECs), 53

 Safai Karmachari Andolan, 164, 173
 salinity, 190, 196
 Samatha judgement, 143
 sanitation, 14, 27, 29, 124, 127, 129, 131, 163, 170–177, 184–185, 195, 234, 237

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

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

- 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