

SUPPORTING JUST TRANSITIONS IN INDIA

JUST TRANSITION CASE STUDY - MARCH 2021

This Mindmap presents different stakeholders working on just transitions in India, with green highlights showing those who were interviewed for the case study. (To access full study please click [here](#))

STAKEHOLDERS ACTIVELY WORKING ON JUST TRANSITIONS IN INDIA

Inter-Governmental & International Organizations

Funding for solar energy projects in India like Comsolar, SolMap, RESRA and Trigen	IKI
Energy Transition Commission	
Study on Vulnerabilities arising from the phasing out of coal and Just Transitions in India	CIFF
Range of support programmes to national & local governments + non-profits + Industry associations	GIZ
Funded projects on development of solar PV and enhancing energy efficiency	Norwegian Ministry of Foreign Affairs
Federal Ministry of Economic Affairs and Energy (German Bundestag)- COVID-19 and a Just Transition in India's Coal Mining Sector	Federal Ministry of Foreign Affairs and Energy (German Bundestag)
Partnership for Energy Access and Security; Partnership to Advance Clean Energy - Deployment (PACE-D); SCALE Programme	USAID
India's Energy Transition: Potential and Prospects	Heinrich Böll Stiftung
Range of support programmes on energy transition, energy security	KAS
Green Growth through NDC; other targets sustainable services and green jobs	GGGI-India
Global Forum on Just Transition	ILO
Global partnership to advance low-carbon energy transition	UNDP
One Sun, One World, One Grid	International Solar Alliance (ISA)
The Energy Report-India: 100% Renewable by 2050; RE+: Renewable Beyond Electricity	WWF
Powering Equality: Women's entrepreneurship transforming Asia's energy sector; District Energy in Cities Initiative	UNEP
Funds to NGOs for Climate Solutions	MacArthur Foundation
Climate Policy Initiative; Energy Transitions	Hewlett Foundation
India's National Clean Air Programme; India's Clean Energy Progress	Bloomberg Philanthropies
Supporting in the form of projects on sustainable livelihoods, community development and sustainable development	The Oak Foundation
Funding for projects on energy transition	European Climate Foundation
Smart Power India; Smart Power Connect: Empowering Rural Communities & Transforming Lives; Smart Power for Rural Development	Rockefeller Foundation

Development Finance Institutions & Climate Funds

Managing Coal Mine Closure: Achieving a Just Transition for All	World Bank
Line of credit for solar rooftop segment for commercial, industrial and residential housing sectors	Green Climate Fund
Climate financing: Green Energy Corridors	KfW Group
Funds for projects on rural development, sustainable development and power sector	AiIB
Green Energy Finance; Infrastructural finance; power sector investment	ABD
Funding for shared infrastructure for solar parks	IBRD

Government

Towards a Clean Energy Economy; NITI Aayog and Netherlands Sol on 'Decarbonization and Energy Transition Agenda'; Renewable Energy State Action Plan	NITI Aayog
Suryamitra trainings, Off-grid and decentralised concentrated solar thermal technologies (CST); Green Energy Corridor; Skill Council for Green Jobs	MNRE-PM-KUISUM
Green Skill Development Trainings; Green Skill Development Programme	MOEFCC- NAPCC
PMKVY, SAUBHAGYA, Industrial Training Institutes (ITIs)	Ministry of Skill Development
NSIC Technical Services Centres support for the promotion of Solar Energy, MGIRI, Mission Solar Charkha	MMSME
Installation of rooftop solar in all its field organisations, Commitment Certificate for Solar	Ministry of Mines
Solar Policy 2015; Solar Wind Hybrid Draft Policy; Solar Park scheme	Andhra Pradesh
State Renewable Energy Roadmap 2022	Gujarat
Solar Policy 2014-21; Draft Renewable Energy policy 2016-22	Karnataka
REWA Project; Green Energy Corridor	Madhya Pradesh
Solar Energy Policy 2014; Rajasthan Solar Park Development Company Limited (RSDCL)	Rajasthan
RE Policy 2015; Scheme for agriculture consumers; Solar Rooftop Scheme	Maharashtra
Roadmap for Green Energy	Odisha
Solar parks in 9 districts by JREDA	Jharkhand
Chhattisgarh, West Bengal, Jharkhand, Madhya Pradesh,	Coal abundant states
Tamil Nadu, Mahashtra, Gujarat, Karnataka, Rajasthan	States with renewable energy capacity

Banks & DFIs

Commercial	SBI	Wind Energy Financing; Grid Connected Rooftop Solar PV Program; Green Bonds for RE
	PNB	Scheme For Financing Rooftop PV Solar Power Projects
	IndusInd Bank	Financing for renewable energy projects
	PTC India	Signed wind projects PPAs; MoU for sale of the sale and purchase of power from 3,000 MW solar projects with SECI
	Power Finance corp	US\$ 171 million loan for solar projects
	India Infradebt	Infrastructure financing for solar, wind, biomass and hydro energy projects
	Yes Bank	Renewable Financing Initiative
NBFCs		Financing for Solar projects
	IREDA, Rural Electrification Corporation, Power Finance Corporation, IL&FS, Taurus Infrastructure Funds, SBI Macquarie, L&T Finances, BNP Paribas, SBI Capital Markets	
	IREDA	Focus on financing RE projects; Alternate Investment Funds (AIF); Green bonds

Non-profit/NGOs (Research, Lobbying and Advocacy)

GreenPeace	Successful decentralised rural electrification models; JT advocacy&governance
ICCo	Offers clean energy solutions to local communities
iForest	Study of Jharkhand to understand JT in coal mining regions of India; International Consultation on JT in India's Coal Mining Areas
Shakti Foundation	Facilitate India's transition to cleaner energy future; Policy research; Energy Transition Advocacy; Capacity Building
NSDC	PMKVY; Pradhan Mantri Kaushal Vikas Kendra
Brookings India	Renewable Energy and India's Energy transition: A status check
Prayas (Energy Group)	Managing the inevitable energy transition; Managing a fair transition away from coal in India: A conversation starter roundtable
IRADE	Udaipur Solar City Master Plan; Ajmer Solar City Master Plan; Indian Renewable Energy Status Report
Media Groups	Climate Trends; The Other Media; Legal Initiative for Forest and Environment; CarbonCopy

Organised Labour (Research, Lobbying and Advocacy)

AITUC	Demanding JT during the closure of thermal power plants
Centre of Indian Trade Unions (CITU)	Protest against the abrupt closure of Badarpur power plants, demanding JT in the form of social justice
Indian National Trade Union Congress (INTUC), Hind Mazdoor Sabha (HMS), All-India United Trade Union Centre (AIUTUC), Trade Union Coordination Committee (TUCC), Self Employed Women's Association (SEWA), All-India Central Council of Trade Unions (AICTTU), Other trade unions	Labour Progressive Federation(LPF), United Trade Union Congress (UTUC)

Organised Industry & Business

Confederation of Indian Industry (CII)	Green Power 2019; Compendium on Skill Development
FICCI	FICCI Skill Development Committee
TPSDI	Training courses and skill development programmes in renewables
Suzlon Excellence Academy	Developing Off-Roll skilled people in wind energy business; Sustainable Development to the villages around its wind farms
CLP India	Solar Energy Project
SECI	Implementation of Solar PV projects under JNNSM; Concentrated Solar Power (CSP) Pilot projects; Consultancy and R&D services
BSES Yamuna Power Limited	One of the largest discom in India; promoting rooftop solar
Siemens Global	Energy Transitions in India
NTPC	Solar deployment; skilling
Tata Power	TPREL; Education, health, livelihood & employment, social capital & infrastructure
Adani group	AREPRL; sustainable livelihoods, skill development centre, community infrastructure, health and education
JSW Energy	10MW of renewable energy; skill enhancement; education & learning, water and sanitation and agri-initiatives
TPL	610MW of renewable energy plants across Gujarat
RENew Power	10.3GW of clean energy assets; community initiatives in 171 villages
Other big renewable energy companies	Acme Solar, Greenko Energy, Sembcorp, Aavaad Energy

CPR	Energy and Climate: A Just Transition for Indian Labour
ISEP	Webinars on 'Economic Uncertainties and A Just Transition for India's Coal Mining Sector' and 'Just Transitions, Renewable Energy Jobs and the Fossil Fuel Phase-Out'
IIT	A Regional Policy Perspective on Energy Access and Just Transitions in Jharkhand
IISD	Published few papers on the role of civil society in mobilizing climate change and continuing research on a comparative analysis of JT in India and Australia; Green Skilling
CEEW	Included a case study on India in their report 'Strategies for just energy transitions'; India's Energy Transition: Mapping subsidies to fossil fuels and clean energy in India
WRI	India's Energy Transition; Co-benefits study on skills and job creation with RE in India
TERI	The Potential of Renewable Energy in providing jobs, steady income and skill-building opportunities
	India's Case Study on Just Transition; Vulnerability from coal dependence and need for JT; Energy Transition Commission; COBENEFITS Policy Report India
	Centre for Sustainable Development Green Skills Academy
EPTRI	Green Skilling Certificate Courses on Solar PVs
ORF	Studies on financing green transitions
KPMG	Studies on energy transitions and renewables; advocacy and consultancy
IGES	The International Forum for Sustainable Asia and the Pacific (ISAP)- JT Toward Sustainable Societies in Asia and the Pacific
ADRI	Green Skilling Certificate Courses on Solar PV s
BCG	Energy Transitions: Adapting to the New normal of the Changing World
Deloitte	Energy Transitions Study; The Evolving Energy Landscape in India

ACRONYMS

ADB	Asian Development Bank
ADRI	Asian Development Research Institute
AiIB	Asian Infrastructure Investment Bank
AITUC	All India Trade Union Congress
AREPRL	Adani Renewable Energy Park Rajasthan Ltd
BCG	Boston Consulting Group
CEEW	Council on Energy, Environment and Water
CII	Confederation of Indian Industry
CITU	Centre of Indian Trade Unions
CPR	Centre for Policy Research
EPTRI	Environment Protection Training and Research Institute
FICCI	Dederation of Indian Chambers of Commerce and Industry
GGGI	Global Green Growth Institute
GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit
IGES	Institute for Global Environmental Strategies
IISD	International Institute of Sustainable Development
IIT	Indian Institute of Technology
IKI	Internationale Klimaschutzinitiative
ILO	International Labour Institute
IRADe	Integrated Research and Action for Development
IREDA	Indian Renewable Energy Development Agency
ISEP	Initiative for Sustainable Energy Policy
JREDA	Jharkhand Renewable Energy Development Agency
KAS	Konrad Adenauer Stiftung
MMSME	Ministry of Micro, Small and Medium Enterprises
MNRE	Ministry of New and Renewable Energy
MOEFCC	Ministry of Environment, Forest and Climate Change
NITI Aayog	National Institution for Transforming India
NSDC	National Skill Development Corporation
NTPC	National Thermal Power Corporation Limited
ORF	Observer Research Foundation
PNB	Punjab National Bank
SBI	State Bank of India
SECI	Solar Energy Corporation of India
TERI	The Energy and Resources Institute
TPL	Torrent Power Limited
TPREL	Tata Power Renewable Energy Limited
TPSDI	Tata Power Skill Development Institute
UNDP	United Nations Development Programme
USAID	United States Agency for International Development
WRI	World Resources Institute, India