

Strengthening Transmission Infrastructure

Robust Tower Design

The presence of our transmission network has expanded significantly across India. We employ both traditional and innovative designs into our tower infrastructure to minimise stress, optimise cost and improve network reliability. The technology used in tower designs make them resilient against several environmental factors, such as wind and seismic activities, soil resistivity, water characteristics, hydrological studies, etc.

Modernisation to Minimise Energy Losses

We have invested in design improvements, technology and periodic updates of our transmission and distribution

network to minimise energy losses, due to any potential disruptions caused by rising temperatures. This strengthens network efficiency, competitiveness, reputation and margins of the organisation.

Emergency Restoration System (ERS)

Our Emergency Restoration System ensures rapid recovery and restoration post any collapse, enabled by continuous vigilance and a trained workforce. For the lightweight structures, the ERS enables quick restoration within the tower erection tenure of 3-15 days. The effectiveness of the ERS is established through periodic mock drills.

Disaster Management Plan (DMP)

AEML has implemented a comprehensive Disaster Management Plan covering its Transmission and Distribution network. AEML's DMP is based on the Sendai Framework for Disaster Risk Reduction (Sendai, Japan, 2015), UN Sustainable Development Goals (2015) and Climate Change Agreement (COP21, 2015), and the Prime Minister's Agenda for Disaster Risk Reduction.

The plan extensively addresses the vulnerability of the network against various natural and manmade disasters, clearly laying down structured mitigation processes, disaster recovery and response plans, and well-defined roles and responsibilities across the organisation to handle disasters.

 Read more about
Retail Electricity Division's Disaster Management Plan

Climate-Related Policy Advocacy

The organisation is actively leading climate-related policy advocacy through collaboration with government bodies, industry associations, and international organisations to advance renewable energy development, energy efficiency, and sustainable practices. The company's advocacy has had a transformative impact on India's energy landscape, paving the way for a cleaner, greener, and more resilient future.

Commitment to Renewable Energy

Established ambitious targets to increase renewable energy capacity and significantly investing in solar, wind, and other renewable energy projects to address climate change and boost local economy through employment generation.

Wind Solar Power Initiatives

Adani Energy Solutions' flagship 700 MW Wind-Solar PV hybrid power PPA in Jaisalmer, India, not only provides clean and sustainably energy but also creates employment opportunities and stimulate local economies, while addressing climate change.

Engagement with Government Bodies

Engaging with the Indian government by providing insights and recommendations on renewable energy regulations, incentives and subsidies. These engagements help shape key policies and sustainable practices such as the National Solar Mission, PM Surya Ghar Yojana and the Renewable Energy Act. Adani Energy Solutions Dahanu Thermal Power had set national benchmarks in the Perform Achieve

and Trade [PAT] scheme of Bureau of Energy Efficiency, Government of India.

Partnership with Industry Associations

Taking collective action by actively participating in industry associations and forums, such as Confederation of Indian Industry (CII) and the Federation of Indian Chambers of Commerce & Industry (FICCI) to drive climate-related initiatives.

International Collaborations

Actively engaging with the global forums and ESG rating agencies to drive global climate agenda, such as the United Nations Global Compact, The United Nations Energy Compact, IRENA's Utilities for Net Zero Alliance, Science Based Target's initiative etc.

Policy Advocacy

We adopt a systematic approach towards policy advocacy. Our policy advocacy and lobbying efforts are overseen by Adani Energy Solutions' Board-led Stakeholder Engagement Committee and Corporate Responsibility Committee.

We actively engage with various trade and industry chambers at both national and global levels, ensuring our memberships and relationships don't conflict with our climate strategies.

Our lobbying activities and trade affiliations for climate action align with the Paris Agreement. We also promote sustainable development across value chain by encouraging our partners, including suppliers and vendors, to adopt best practices.



Commitment to IBBI 2.0

We reaffirmed our commitment to Biodiversity by endorsing India Business & Biodiversity Initiative (IBBI) 2.0 declaration, hosted by the Confederation of Indian Industry (CII). This initiative integrates biodiversity into business operations and decision-making, aligning with the Kunming-Montreal Global Biodiversity Framework.

Commitment to Utilities for Net Zero Alliance (UNEZA)

To advance our commitment to addressing Climate Change, Adani Energy Solutions became India's First Electric Utility to join the Utilities for Net Zero Alliance (UNEZA) under the coordination of the International Renewable Energy Agency. This community of global

utilities companies responds to the need for an immediate acceleration in the energy transition in line with the aforementioned 2030 and Net Zero 2050 goals.

As a member of UNEZA, Adani Energy Solutions is dedicated to advance its six key commitments between now, 2030 and 2050:

Buildout of clean power and decarbonisation of thermal power generation

Build up reliable, resilient and flexible grid infrastructure

Drive widespread adoption of electrification in end use sectors

Improve energy efficiency

Promote technological innovation

Sustainable and equitable execution to conduct environmentally responsible and socially inclusive manner