

Key Stakeholders

- Ministry of Power (MOP), Ministry of New and Renewable Energy (MNRE), Indian Railways, Solar Energy Corporation of India, Skill Council for Green Jobs, National Smart Grid Mission, State Governments, National Thermal Power Corporation Renewable Energy Limited (NTPC REL), Energy Efficiency Services Limited.
- Confederation of Indian Industries, Forum of Regulators, regulators, utilities, cities, financial institutions, private sector, industry associations, chambers of commerce, development institutions, training institutions, and think tanks in South Asia.
- Development partners, United States agencies, USAID missions, and bilateral and regional programs in South Asia (BADGE, URJA Nepal, SLEP).

About SAREP

The South Asia Regional Energy Partnership (SAREP) is a five-year, flagship regional energy program of USAID/India. SAREP will improve access to affordable, secure, reliable, and sustainable energy in six countries – Bangladesh, Bhutan, India, Maldives, Nepal, and Sri Lanka. The program will enable collaboration among these six countries to support the clean-energy transition, as per their climate and energy security priorities. SAREP's activities and outcomes support and contribute to the U.S.-India Strategic Clean Energy Partnership (SCEP) and the Climate Action and Finance Mobilization Dialogue (CAFMD) under the U.S.-India Climate and Clean Energy Agenda 2030 Partnership.

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ENABLING DEPLOYMENT OF ADVANCED CLEAN-ENERGY SOLUTIONS FOR A RESILIENT AND SUSTAINABLE POWER SECTOR

SOUTH ASIA REGIONAL ENERGY PARTNERSHIP (SAREP)

Background

The rapid economic expansion of South Asia has contributed to rising energy demand. The region's energy industry is characterised by a reliance on fossil fuels, poor efficiency, low reliability, and climate change susceptibility. Clean energy technologies that are both cost-effective and cutting edge are crucial to maintain the regions clean energy transition which progresses energy sector transformation.

The deployment of solutions in such a diverse environment was never easy due to several natural factors but, the United States Agency for International Development (USAID) is committed to leveraging its regional presence and technical expertise through its flagship program South Asia Regional Energy Partnership (SAREP) to accelerate the low-cost clean-energy transition in the region, share best practices and learnings, and achieve climate goals.

Interventions

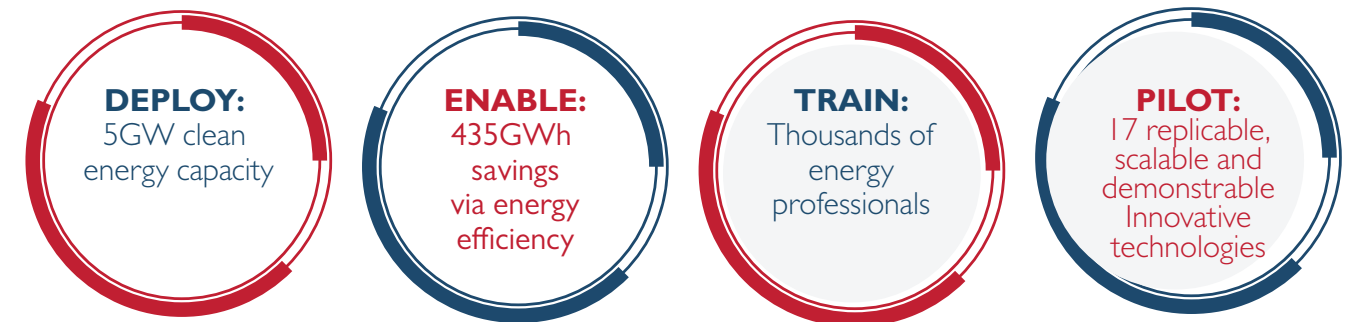
SAREP interventions facilitates clean energy technologies and solution deployment and viability of South Asia's energy sector to strengthen its energy cooperation among the six South Asian countries covered by this program: Bangladesh, Bhutan, India, Nepal, Maldives, and Sri Lanka. The following are the key interventions to advance energy solutions and systems:

- Scale-up utility-scale renewable energy (RE) capacity deployment
- Enable distributed energy resources (DER) market development
- Upscale advanced technologies for clean energy transition and decarbonization
- Enable innovative technologies for higher RE grid integration
- Promote fuel-switching in transport and industries
- Mobilize financing through innovative instruments and private sector engagement
- Accelerate the next generation of energy efficiency in appliances and buildings

Subnational Clean Energy Deployment Support

SAREP is implementing interventions from the above themes in seven states namely Assam, Gujarat, Haryana, Karnataka, Madhya Pradesh, Telangana and Uttarakhand. The offered technical assistance is intended to address state-specific challenges and help states to meet their clean energy targets. This is being done with the assistance of USAID India's bilateral partners, the Ministry of New and Renewable Energy (MNRE) and the Ministry of Power (MOP).

Anticipated Impact



Outcomes and Outputs

1. Enabled regulation and policies.
2. Implemented Decarbonization strategy.
3. Demonstrated Technology and business models.
4. Scaled Green hydrogen deployment.
5. Solar rooftop adopted in South Asia.
6. Driving net zero ambition through electrical engineering, renewable energy and electric- vehicles and storage.
7. Scaled Vendor Rating Program for improving the quality, safety and build consumer trust in rooftop solar installations.

