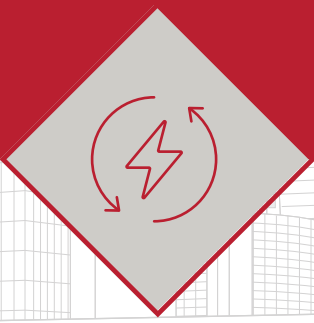




USAID
FROM THE AMERICAN PEOPLE

SOUTH ASIA REGIONAL ENERGY PARTNERSHIP (SAREP)



Net Zero Energy



Energy Efficiency

E-mobility



Renewable Energy & Storage

Distribution



Green Hydrogen

Transmission and System Operation



Cross Border Electricity Trade

Investment Facilitation



Grants

CONTEXT

Asia is the fastest-growing region in the world with a booming economy. Rapid urbanization and rising middle-class incomes have led to explosive growth in energy demand, accompanied by carbon emissions and air pollution. The vast untapped potential for energy efficiency and renewable energy deployment, combined with an opportunity to upgrade to advanced technologies and infrastructure, point the way toward a transition to sustainable energy, leading to a wide range of economic, health, and gender benefits for the region's 1.5 billion citizens.

In this context, the United States Agency for International Development (USAID's) South Asia Regional Energy Partnership (SAREP) program aims to improve access to affordable, secure, reliable, and sustainable energy in six countries: Bangladesh, Bhutan, India, the Maldives, Nepal, and Sri Lanka. This five-year activity serves as a linchpin of the U.S. Government's Indo-Pacific Vision and will facilitate collaboration among its six countries to accelerate the transition to clean energy.





SUPPORTING CLEAN ENERGY TRANSITION IN SOUTH ASIA

SAREP builds on USAID's successful legacy of energy sector projects over five decades, & complements ongoing activities in clean energy in Bangladesh, Bhutan, India, the Maldives, Nepal, & Sri Lanka

SAREP will support activities that contribute to the Strategic Clean Energy Partnership (SCEP) and the Climate Action and Finance Mobilization Dialogue of the Indo-U.S. Climate and Clean Energy Agenda 2030 Partnership (CCEP), established by President Biden and Prime Minister Modi at the April 2021 Climate Leaders' Summit. The Partnership will aim to mobilize finance and accelerate clean energy deployment; demonstrate and scale innovative clean technologies; and build institutional capacity. In addition, SAREP will enhance coordination among regional stakeholders towards a consolidated approach on USAID's energy programs in South Asia.

Project Period

May, 2021 - May, 2026

Geographic Focus

Bangladesh, Bhutan, India, the Maldives, Nepal, Sri Lanka

Project Budget

~ \$50 million

Expected Outcomes



Leverage
\$7 BILLION
investment in
power
infrastructure

Deploy
5,000 MW
clean energy

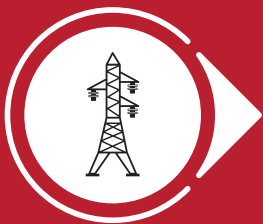


Facilitate
4 TWh
cross-border
trade

Save over
435 GW
through energy
efficiency

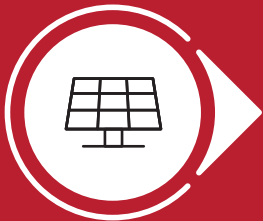


SAREP OBJECTIVES



Enhanced regional energy markets and integration

SAREP will increase cross-border trade of electricity and establish regional energy markets. Integration activities will support the transition of the region from bilateral to tri- and multilateral trade, strengthen institutions, develop common regulations and technical standards, and enhance energy cooperation through sharing of best practices.



Increased deployment of advanced energy solutions and systems

SAREP will enable policies, regulations and standards; build institutional and human capacity, develop business models; and drive deployment of advanced technologies in sectors like renewable energy, energy efficiency, e-mobility, green hydrogen and storage. This will contribute towards clean energy transition goals of SAREP countries.



High-performing modern utilities

SAREP will focus on improving commercial and operational performance of distribution and transmission utilities through deployment of advanced technologies, business process re-engineering, enhanced customer orientation, digitalization and capacity building.



Transparent, best-value procurement and private sector investment mobilized

SAREP will support clean energy goals of South Asian countries by mobilizing investments & institutionalizing best value procurement practices. SAREP aims to bridge anticipated investment gaps by using public private partnership (PPP) models, new business models, innovative financing instruments/ strategies and supporting capital raise, organising investor summits & capacity building.



CROSS-CUTTING THEMES



Private Sector Engagement

SAREP is working with government and other institutions to create an ecosystem for private sector engagement by supporting adoption of leading PPP practices, enhancing bankability of projects and balancing the risk allocation amongst the various participants.



Gender Equality & Social Inclusion (GESI)

SAREP will increase awareness of gender mainstreaming in the energy sector and promote women leaders and entrepreneurs. Institutions will be encouraged to integrate gender considerations in policies, programs and in practice to ensure more equitable access.



Pollution Mitigation

SAREP will work with pollution regulators in partner countries to develop policies, regulations, and innovative financing to mitigate pollution.



Lifestyle for Environment (LiFE)

SAREP will promote adoption of Lifestyle for environment (LiFE) through social media campaigns, articles, and outreach activities.

SAREP PARTNERSHIP FUND

SAREP Partnership Fund (SPF) refers to grants awarded by SAREP with an aim to expand and maximize the impact of USAID resources in an innovative and sustainable manner through activities designed, owned, and implemented by grantees under the SAREP Program.

The \$12 million SPF supports market-based transformative solutions to enable the clean energy transition, particularly by engaging the private sector, local organizations, and new and underutilized partners. It also harnesses innovative business models, solutions, technologies, resources, experiences, and networks of relationships that exist across stakeholders. SPF achieves this by catalyzing country and regional activities to complement the technical assistance provided by SAREP.

The qualified organizations can submit application for SPF at any time as per the procedure mentioned at <https://sarepenergy.net/sarep-grants-annual-program-statement-aps-fy2024/> for supporting activities and programs consistent with the SAREP's objectives in any of the SAREP countries.





GRANTEES

Grantee	Objectives
Swayam Skhikshan Prayog	Scaling up access to energy efficient solutions for rural India through a women led micro entrepreneurship model
AutoGrid Systems Inc.	Develop and deploy a Behavioural Demand Response (BDR) program to accelerate and promote clean energy transition
New Buildings Institute	Develop, deliver and disseminate India-specific GridOptimal metrics to facilitate building-grid optimization
Greenstat Hydrogen P.Ltd.	Supporting Sri Lanka Green Hydrogen Program through policies, deployment, capacity building for advancing hydrogen technology
Power Ledger	Develop a Local Energy Market in the state of Rajasthan using blockchain-enabled P2P energy trade
CalCEF New Energy Nexus	Develop ElectronVibe, a competition to identify and showcase tech innovations by startups, for electricity utility in the Maldives
Alta Vision Pvt. Ltd.	Developing an AI-powered Demand Management System (ADMS) for Sri Lanka
Sangam Ventures	Decarbonise industrial heating in South Asia
ICLEI Local Govts for Sustainability, South Asia	Renewables for Sustainable Energy Transition (RESET) in South Asia
The Energy and Resources Institute (TERI)	Development of a Hydropower Forecasting System Framework and a Pilot Project for Hydropower Optimization in Bhutan
US India Strategic Partnership Forum (USISPF)	Increase the representation of women in leadership in energy and manufacturing industries, in South Asia
Cross Boundary	Setting up the SAREP Investment Facilitation Platform (IFP)
Climate Parliament	Accelerating South Asian Regional Energy Cooperation through parliamentary action
Smart Energy Systems Inc.	Advanced energy solutions for digital customer experience platform to optimize energy use



IMPLEMENTING CONSORTIUM

RTI International leads the SAREP consortium, in partnership with its India affiliate, RTI India and private sector firms with extensive expertise across energy domains in the region. The key partners are Environmental Design Solutions, PTC India Limited, KPMG India, Idam Infrastructure, Cross Boundary, Asia Clean Energy Partners, PRDC, Climate Parliament, Deloitte, E&Y and EMA.



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