

Supporting the Energy Transition in Pakistan – GIZ Renewable Energy and Energy Efficiency Project (REEE II)

Please find out about our Activities and Motivation.

A New and Holistic Market Approach

The Government of Pakistan has committed itself to providing all citizens with reliable and affordable electricity; the ARE 2019 policy aims at a 30% renewable energy (RE) share by 2030. Fundamental reforms of the energy sector will be decisive for reaching the targets: the Competitive Trading Bilateral Contract Market (CTBCM) will introduce a new competitive market design in 2022, accompanied by capacity auctions for RE. To achieve the goals a tremendous effort for scaling up solar and wind installations in the country is necessary. To ensure safe further integration of renewables in the existing power grids, quality and decent implementation planning is crucial.

The planned increase of distributed renewable energy (DRE) in the system will impose new challenges on managing the already stretched capacities of the electricity infrastructure of the country. Significant capacity building for authorities, DISCOs and other businesses is needed to sustainably introduce advanced tools for operating, managing, and planning the electricity grids. Electricity access for all people in Pakistan can only be realized with new decentralized approaches, that will even make communities far away from the grid benefit.

Please contact us for more information!

Component 1: Grid Management

We assist grid operators in adjusting their grid operation processes to the increasing share of (variable) renewable energies and to stabilize weak grids. This includes capacity building, introduction of new grid planning and operation tools, support of advanced grid studies, and development of sustainable roadmaps for future grid operation.

Component 2: Scaling Up Grid-connected Solar PV

Solar PV is one of the most promising technologies to reach Pakistan's renewable energy target. We promote the overall roll-out of solar systems under the net-metering regulation, and support large scale IPP (Independent Power Producer) and EPC (Engineering, Procurement, and Construction) projects, by advising on regulatory and financial framework, and facilitating measures to improve market development and quality of installations.

Component 3: Rural Electrification

To support the government to reach the ambitious electrification targets also in rural areas, we conduct case studies on applicable business models (e.g. mini-grids or DC nano-grids). By piloting the business models in several pilot projects, we develop blueprints that are replicable and show sustainable modes of operation.

Component 4: PGREF

The Pakistan Germany Renewable Energy Forum is an exchange platform to bring policy makers, research institutes and experts from both countries together. The platform also serves as some knowledge-multiplier to disseminate results from the other components. A strong focus lies on introducing German companies to the Pakistani market.

The 4 Components of the REEE II

What is REEE II?

The Renewable Energy and Energy Efficiency (REEE II) project of the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH provides targeted technical assistance to public and private sector institutions to foster the Pakistan energy transition. The associated Pakistan-German Renewable Energy Forum (PGREF) offers an exchange platform to bring policy makers, research institutes and experts from both countries together (for more info see www.pgref.org).

Contact:

Mr. Gerd Schober (REEE II Lead) gschober@integration.org
+92 303 9067-797

Mr. Sven Eberle (PGREF Lead) seberle@integration.org
+49 174 8379-520

Ms. Stoyanka Stich (GIZ Cluster Coordinator Energy and Climate Change) stoyanka.stich@giz.de +92 301 521-8287

Imprint

Published by
Renewable Energy and Energy Efficiency Project (REEE II) Pakistan
Pakistan-German Renewable Energy Forum (PGREF)
A project assisted by the German Government via the Deutsche Gesellschaft
für Internationale Zusammenarbeit (GIZ) GmbH
AEDB Office, 2nd Floor, OPF Building, Shahrah-e-Jamhuriat,
G-5/2, Islamabad PAKISTAN
T: +92 51 921 8188, 889 5241
E: info@pgref.org
W: www.pgref.org

This document has been processed
through advisory work of
Integration e&e and GOPA-intec,
Islamabad/Berlin, July 2022.

