

Renewable Energy Mini Grids for Triangular Cooperation in Indonesia (ENTRI)

Project name	<i>Renewable Energy Mini Grids for Triangular Cooperation in Indonesia (ENTRI)</i>
Commissioned by	<i>German Federal Ministry for Economic Cooperation and Development (BMZ)</i>
Cooperation partner	<i>Ministry of Energy and Mineral Resources, particularly Directorate General of New Renewable Energy and Energy Conservation (DG NREEC).</i>
Project region	<i>Indonesia</i>
Duration	<i>January 2023 until December 2025.</i>
Contact Person	<i>Catoer Wibowo, catoer.wibowo@giz.de, +62(811)1320 4634</i>



Background

Indonesia is a Global Partner of BMZ, which is of central importance for the joint solution of global issues of the future in terms of sustainable, climate-neutral, resilient, and inclusive development. Bilateral cooperation with Indonesia focuses on energy, sustainable economic development / vocational training, and environmental protection. In addition, good governance and private sector participation are cross-cutting issues of cooperation (Country Strategy 2017). The new project is to be anchored in the **development cooperation** program Focus on Energy in Indonesia and contribute to the program goal in Indonesia and beyond to the achievement of national SDGs 7 and 13 in selected partner countries by promoting triangular cooperation on decentralized renewable energy systems.

Indonesia has built its capacity in decentralized renewable energy since early 90's. German contribution in the process of technology transfer particularly for micro hydro technology has deep impact in the progress of rural electrification program in Indonesia, increasing the electrification ratio from around 50% in the 90's to more than 65% in the 2010's. Along with that, lots of expertise in

different aspects of decentralized renewable energy have emerged in different parts of Indonesia, be it within private sector, academics, government systems, and even within certain communities.

As one of the fast-growing economic countries in the world, Indonesia's leadership is globally recognized. In 2022, Indonesia successfully lead the G20 which further strengthen the strong leadership of Indonesia that even already started back in 1955 with the Asia-Africa Bandung Conference. This leads to wider global responsibilities and with the knowledge about decentralized renewable energy, Indonesia can contribute to global goals to combat climate change and successfully achieve SDG goals.

Demand for energy access in different parts of the world still exists. In Africa, there is more than half billion people don't have any modern energy access. This condition has led to inequality in different aspects of life which hampers the progress of 2030 global targets. With the experiences owned, Indonesia can support the change in different part of the world, sharing the best practices in decentralized renewable energy and shorten the learning process for actors in different part of the world, contributing to climate change combat and achievement of SDG targets.



Objective

The objective of the project is promoting decentralized renewable energy that will contribute to the combatting of global climate crisis and at the same time supporting the economic and social development and to strengthen Indonesia's position in global development communities particularly in the field of decentralized renewable energy.

Outputs

The project has three key outputs:



Output 1 – Capacity of Indonesia Ministry of Energy and Mineral Resources in the implementation of triangular cooperation in the field of decentralized renewable energy is strengthened



Output 2 – South-South Triangular Cooperation exchanges between experts and executives from public or private sectors on decentralized renewable energy systems are implemented with selected countries



Output 3 – Technical and methodological learnings resulting from the process of developing and implementing south-south triangular cooperation are anchored within the Ministry of Energy and Mineral Resources and Indonesia's National Steering Committee of South-South Triangular Cooperation.

Approach

The project is implementing triangular cooperation approach, which means there are at least three countries involved in the exchange. Two countries are Indonesia and Germany (represented by GIZ), and another country which will be selected together with Indonesian Government, particularly National Steering Committee for South-South Triangular Cooperation.

Triangular cooperation will enable multi-directional learnings which will position all participating countries as source of knowledge and/or recipient of knowledge. This will help Indonesia to learn from other countries too.



Long term learning journey. The exchanges program will be tailored according to the need of certain partner countries, which means it will not just implement one-off activity but rather a programmed-structured chain of activities ensuring deeper exchange, consistent participation, and bigger impacts.



Focus on women. The project will also focus on women empowerment issues which will make ways for women activist from Indonesia and partner countries to make exchanges in the field of decentralized renewable energy.



Going digital. The project will pursue innovative digital approach to enable beyond physical exchanges that will still be engaging and impactful.

Activities

1. The project will implement various activities contributing to specific outputs. **Focus Group Discussions** for the collection of knowledge and experiences and turn them into more accessible knowledge that will fuel the exchanges and learnings with other partner countries
2. **Exchanges in different forms** for the implementation of mutual learnings which will enrich both Indonesia and partner countries. The exchanges will focus on physical exchanges which are expected to be more effective and explore different innovative digital based exchange methods which will enlarge the audience and generate more impacts. The exchanges will cover different aspects of decentralized renewable energy:
 - **Policy aspect**
 - **Technical aspect**
 - **Skill aspect**
 - **Community aspect**
 - **Productive use of energy aspect etc.**The exchanges will involve different actors from public sector, private sector, academics, vocational schools or training centers, and communities
3. **Pilot projects** for selected locations which may be partly financed by Government of Indonesia through Indonesia AID
4. **Debriefing** for instilling lessons learned from the process of development and implementation of triangular cooperation exchanges with different partner countries
5. **International conference** of decentralized renewable energy practitioners which will enable much larger exchanges and initiation of collaborations with different partners, and many other activities.



Published by : Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Registered offices Bonn and Eschborn, Germany
Indonesian-German Green Infrastructure
Initiative
Menara BCA 46th Floor
Jl. M.H. Thamrin No.1
Jakarta 10310, Indonesia
T +62 21 5720 214
F +62 21 5720 193

As at : June 2023

GIZ is responsible for the content of this publication.

On behalf of

: Federal Ministry for Economic Cooperation and Development (BMZ)

Addresses of the BMZ offices

: BMZ Bonn
Dahlmannstraße 4
53113 Bonn, Germany
T +49 (0)228 99 535-0
F +49 (0)228 99 535-3500
poststelle@bmz.bund.de
www.bmz.de

BMZ Berlin
Stresemannstraße 4
10963 Berlin, Germany
T +49 (0)30 18 535-0
F +49 (0)30 18 535-2501