

Indonesian-German Green Infrastructure Development (GID)

Project name	Indonesian-German Green Infrastructure Initiative project
Project region	Indonesia, partner provinces to be selected
Commissioned by	German Federal Ministry for Economic Cooperation and Development (BMZ)
Lead executing agency	Indonesian Coordinating Ministry of Maritime Affairs and Investment (CMMAI)
Budget	4.400.000 EUR
Timeframe	11/2020 to 9/2023



Background

Indonesia's impressive socio-economic development over the past two decades has brought with it a substantial negative impact on the environment. The continuing lack of urban infrastructure leads to widespread congestion, excessive pressure on electricity and water supplies and causes significant environmental impacts and further increased emissions due to inadequate wastewater treatment and waste disposal. The profound need for further policy reforms and increased investment in urban infrastructure to improve the provision of public services, reduce pollution and reduce CO₂ emissions will be medium-term development plan for the years 2020-2024.

Against this background, the launch of an Indonesian-German Climate Initiative was agreed in the framework of the Bilateral Government Negotiations on 01.10.2019 in Berlin. The Coordinating Ministry for Maritime Affairs and Investment (CMMAI) and the subordinate the Committee for the Acceleration of Priority Infrastructure Delivery (KPPIP) were mandated to coordinate and accelerate the planning and implementation of priority infrastructure projects.

As part of the initiative, Indonesian-German Initiative for Green Infrastructure was agreed provides for a five-year Financial Cooperation (FC) facility (low-interest loans, promotional loans) of

up to EUR 2.5 billion to support infrastructure projects via subsidized and promotional loans through the German Development Bank (KfW) for investments to promote climate-friendly infrastructure in Indonesia in the fields three thematic sectors: Solid Waste Management, Wastewater Management and Urban Public Transport.

Objective

Environmental and/or climate-relevant infrastructure projects for the Indonesian-German Infrastructure Initiative that take gender aspects into account are prepared.

Approach

The project aims to strengthen the capacities of the responsible actors at national and sub-national level (provinces, districts, cities). The main aim is to enable them to prioritize infrastructure projects for the Indonesian-German Green Infrastructure Initiative on the basis of specific criteria agreed with KfW (national level) and to prepare them for financing in cooperation with the subnational level.



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The capacity development strategy of the project covers CMAAI and KPPIP as well as Agency for Regional Development (BAPPEDA) and work units (SATKER) in selected provinces, whose internal processes for identifying, planning and preparing infrastructure projects have potential to be improved and coordinated more effectively. At the individual level, the aim is to develop technical skills to develop and apply specific criteria for the selection and, if necessary, adaptation of green infrastructure projects and to steer preliminary feasibility studies that also include gender and poverty reduction aspects.

This will enable partners at national and sub-national level to identify priority green infrastructure projects in a coordinated manner and prepare them for implementation. In this context, green infrastructure projects are defined as environmentally and/or climate-relevant projects, taking gender aspects into account, whose implementation contributes to environmental protection and/or the reduction of greenhouse gases and/or adaptation to climate change.

Examples for the selected sectors can be summarized as follows:

Solid Waste Management:

- Waste collection with recovery of recyclable materials
- Flood protection and rehabilitation of existing landfills or establishment of controlled landfills (environmental protection and adaptation to climate change)
- Mechanical-biological waste treatment with production of substitute fuels from high-calorific fractions for co-incineration e.g. in cement plants
- Waste sorting plants for the production and marketing of separated recyclable material fractions
- Waste incineration plants for large cities/ densely populated areas after separation of the waste fractions with low calorific value
- Collection of landfill gas and use for energy generation (reduction of greenhouse gases).

Urban Water Management:

- Improvement of public water supply
- Water safety in cities
- Rainwater drainage systems
- Integrated sewerage systems including septic tanks and grey water from households
- Flood protection of coastal towns and cities along rivers
- Adaptation of public spaces (streets, squares, etc.) with retention area function for the containment of heavy rainfall events (adaptation to climate change)
- Energy generation from biogas in existing central wastewater treatment plants
- Increasing the energy efficiency of existing wastewater treatment plants
- Collection and treatment of faecal sludge from decentralized sanitary systems (environmental protection and reduction of greenhouse gases).

Urban Public Transport:

- Provision of reliable public transport with expansion of environmentally and climate-friendly transport systems
- Seamless integration of urban transport systems
- Promotion of rail-based mass transport systems (e.g. suburban rail) and fast bus systems for larger cities
- Use of renewable energy for public transport
- Adaptation of public spaces as transfer points between different transport modes. transport modes and the promotion of non-motorized inner-city transport (environmental protection and reduction of greenhouse gases).

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