



TANZANIA: IMPLEMENTATION OF TEN RE POWER PLANT PROJECTS

CASE STUDY/INSIGHT

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Tanzania is one of the African countries leading in climate change actions in the region. It is scaling up its measures to mitigate and adapt to the climate change impacts. As part of its strategy, it has taken several measures to increase the renewable energy (RE) mix in the national grid and also isolated grids.

Accordingly, the renewable energy development program supported deployment of ten RE power plants of sizes 350 kW to 7.5 MW. The technologies involved are biomass, solar PV and small hydro power plants. The project developers received grant support and technical assistance through the Rural Energy Agency (REA), under the Ministry of Energy, Tanzania. The RE power plants were developed in partnership with private sector, NGOs, schools, ranches and others.

The projects included both grid connected and off-grid components increasing the rural electrification in the nearby communities. One of the project, Tulila hydro power project of 7.5 MW was completely managed by the nuns. This is a perfect example for the women empowerment achieved by the program. Another project, Yovi hydropower plant of 2.3 MW was developed by an Italy based NGO and St. Gaspar Boarding School of Msolwa. The power plant provided electricity to the school and its nearby villages. This demonstrated the community engagement and shared ownership in green development. The Ngombeni biomass power plant provides 1 MW electricity to the Ngombeni Island, which is a major source of power to the island. Like this, every power plant has its uniqueness and usage.

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Overall, the program increased the confidence of the project developers and project investors in Tanzania in the renewable energy technologies. Further, the program showcased that the sustainable energy development and community development can go hand-in-hand with proper design, planning and execution. The program greatly contributed to the achievement of SDG target and NDC commitment of Tanzania.

This is a climate change project designed to reduce global carbon footprint. The program attracted the World Bank carbon funding. The RE power plants installed under the program is successfully reducing significant amounts of carbon emissions every year.

