

Inter-regional Technical Forum on Skills for Trade, Employability and Inclusive Growth

Title: Skills and just transition to environmental sustainability

Sub-title: Lessons learned from projects

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Siem Reap, Cambodia

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FUNAE is a Public institution with legal personality, administrative and financial autonomy under subordination to the Ministry of Mineral Resource and Energy, established by the Decree No. 24/97.

MISSION

To promote access to energy in a sustainable and rational way that contributes for the Economic and Social Development of the country.

VISION

To become reference institution in the dissemination and promotion of alternative sources of energy as well as in rural electrification.

VALUES

- ✓ Customer oriented;
 - ✓ Integrity;
 - ✓ Efficiency;
 - ✓ Effectiveness;
 - ✓ Team Spirit;
- ✓ Change Oriented

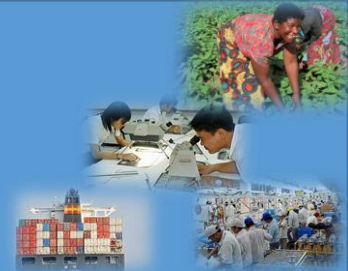


OUR OBJECTIVIES

Aligned with its mission, FUNAE proceeds the following objectives:

- Electrification of Districts, villages and Communities, through solar systems and Mini-Hydro power;
- Electrification of Schools and health centers, through solar systems in rural remote areas without access to energy of the national grid;
- Promotion of energy efficiency by using biomass (improved soves)
- Construction of Fuel stations in rural areas;
- Promotion of other types of energy, such as hydro, wind, and Innovative sollutions, and others.

IMPLEMENTATION AND FUNDING SOURCES



- FUNAE has been implementing and funding its activities, with the support of Government and international partners:

- Some of the partners:

➤ World Bank;



➤ Belgian Development Agency – BTC;



➤ Government of South Korea;



➤ Government of India;



COOPERAÇÃO
PORTUGUESA

➤ Government of Portugal; and

➤ others

DEVELOPED ACTIVITIES (1)



- Since its establishment, FUNAE has implemented along the country photovoltaic systems and mini-hydropower projects as illustrated:
- Electrification of 275 villages,
- Electrification of 710 schools and 351 staff houses,
- Electrification of 635 health centers and 314 staff houses,



DEVELOPED ACTIVITIES (2)



- Electrification of 74 public buildings of administrative Posts
- Electrification of 07 infrastructures of social institutions;
- Instalation of 54 water pumping systems, on solar and wind basis;
- Construction of 75 fuel stations along the country



DEVELOPED ACTIVITIES (2)



- Construction of 3 Photovoltaic Power Plants in Niassa Province, in the districts of Muembe (405kW), Mavago (573.75kW) and Mecula (371.25kW).
- Construction of 04 mini-hydropowers in Majaua (530kW), Rotanda (570kW), Muôha (100kW) and Sembezeia (62kW), in the provinces of Zambézia and Manica respectively.
- Construction of solar Panels Factory in Boane District, Maputo Province, with the capacity of 15 MW of annual production.



INTERVENTION IN THE COMMUNITIES OF CABO DELGADO



1. In Cabo Delgado Province, FUNAE has implemented many solar projects in rural areas, that brought the following impact:
2. Development of local economic activities and job creation
3. Improvement on access to medical care by conservation of vaccines and evening assistance for maternity
4. Improvement on access to education by allowing the rural communities to attend the evening classes;
5. Improvement on access to communication and information by charging mobile phones and using computers



TREE Project in Cabo Delgado

Solar Rural Youth Skills Training Programme



- Targeting to train 80 youth from rural communities in solar technologies and business skills. 50 percent of the youth to be trained will be females. This will increase the participation of females in a sector where they are currently significantly under represented.
- The objective is to have at least 60 of the trained youth generating income from conducting solar related business



TREE Project in Cabo Delgado

Solar Rural Youth Skills Training Programme



- The rural youth solar training project will equip the youth with the skills they will need to create income generating activities in the solar market value chain.
- The youth to be trained do not need to have had any previous exposure to solar technologies.
- The idea is to train youth including those from very disadvantaged areas and provide them with an opportunity to earn sustainable income dealing in solar
- Photovoltaic kits will be given to the young people that was trained.

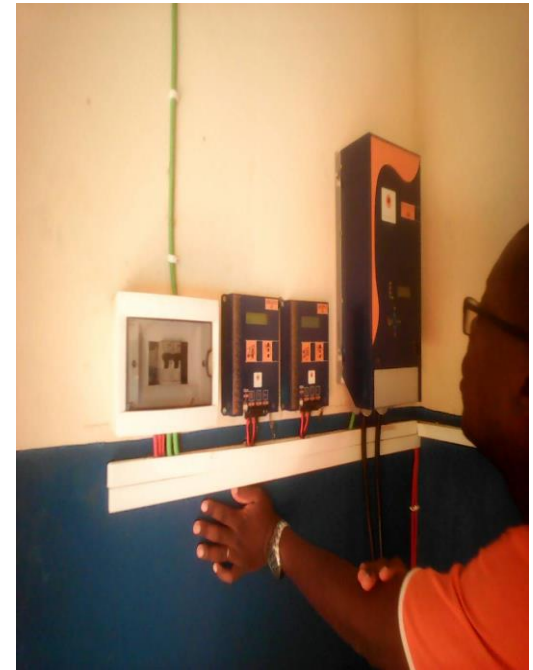


TREE Project in Cabo Delgado

Solar Rural Youth Skills Training Programme



- INEFP will offer technical training and developed training materials which will focus on providing practical skills to the youth tailored to enable them to use the acquired knowledge to engage in income generating pursuits.
- FUNAE will provide post-training support and technical assistance to the youth trainees that were trained and will start their own business activity



TREE Project in Cabo Delgado

Solar Rural Youth Skills Training Programme



- Solar energy to equip rural fishery communities with equipment's to preserve fish and produce ice
- A feasibility study was develop to diagnose the technical and market opportunities for solar energy kits.
- Such kits will be installed in two of the rural communities of the project.



CHALLENGES



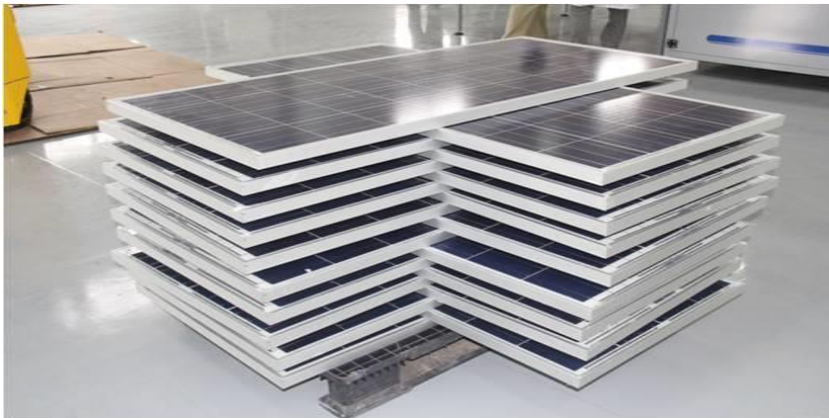
1. Increase to energy sources in rural areas of the country;
2. Ensure the maintenance and sustainability of the projects;
3. Mobilize financial resources for the projects; and
4. Induct and involve private sector;



Opportunities



- The opportunities for the development of Renewable energy in Mozambique are:
 - Investment in different options of renewable energy by using the Atlas of Renewable Energy;
 - Development of value chain based on the existing Solar Panel Factory ;
 - Transference of technology and Know-How to meet the Policy and Strategy for development of Renewable Energy in Mozambique.





OBRIGADO – THANK YOU