



**BTC**

**BELGIAN  
DEVELOPMENT AGENCY**

The Belgian development agency, BTC, mobilises its resources and its expertise to eliminate poverty in the world. BTC contributes to the efforts of the international community and works towards a society that provides present and future generations with sufficient resources to build a sustainable and fair world.

Its 650 staff members in Brussels and overseas embody the commitment of the Belgian State and other development partners to international solidarity. They support more than 300 cooperation projects and programmes in some 20 countries in Africa, Asia and Latin America.

In view of the the further development of its activities the BTC is currently looking for a (m/f):

## **Senior Hydropower Expert - Mozambique**

For the project “Renewable Energy for the Rural Development”

**Ref.: MOZ/10/022**

**Location:** Maputo - Mozambique

**Duration of the contract:** 42 months

**Probable starting date:** as soon as possible

**Monthly salary package:** between 5.299,56 euro and 7.500,22 euro (this includes the gross monthly salary and the expat benefits: hardship allowance and expat allowance). The salary is calculated, depending on the composition of the family and the number of years of relevant experience.

### **Project:**

In Mozambique’s rural areas, most of the energy is obtained from fuel, wood and charcoal, which are costly, inefficient and environmentally damaging. By the end of the year 2008, around 615.000 households, mostly in urban areas, had access to the electricity grid, giving an electricity access rate of 12%, significantly below the South African Development Cooperation average of 27%. The electricity access rate in rural areas, where the population is very scattered, is less than 5%. Grid extensions towards rural areas remain very expensive and are not economically viable.

The project “Renewable Energy for Rural Development” (RERD) is part of the Indicative Cooperation Program (ICP) between Belgium and Mozambique. The project was formulated in 2009 and started implementation in 2011. Aligned with the strategic plan of the partner institution, the National Energy Fund (FUNAE), this project has three main components, namely increasing the access to renewable energy in rural areas, promoting private investments through a system of micro-finance and increasing the technical and administrative capacity of FUNAE. .

Early 2011, the Ministry of Foreign Affairs of the Netherlands decided to contribute 9 million euro to the project through a delegated cooperation with Belgium. This extra budget will be used for a scaling-up of the project. This complementary budget of the first phase will be disbursed according to the same strategic approach and implementation modalities as the initial project, thus harmonizing between donors and facilitating the management by FUNAE of the project. Management, reporting, procurement, audits, evaluations will be done for the global RERD project.



Three international technical assistants make part of the project team, namely one socio-economic expert and two energy experts (photovoltaic and hydropower). The present position will be entirely financed through the Dutch contribution.

### **Function:**

The activities of the Technical Assistant will have the following key results:

- The technical issues of the project activities will be monitored, and more specifically:
  - The installations and equipments, which will be provided in conformity with the needs assessments;
  - The technical issues of the tender documents and the quality standards of the equipments to be provided;
  - The proper maintenance of the equipments provided.
- The overall quality control of the program activities will be assured;
- The timely publication of quarterly progress reports and annual reports, as well as the final reports will be guaranteed;
- The implementation and vulgarization of the lessons learned (technical part of the program activities) during the implementation of the program will be assured.

The Hydropower Expert will act as a team member of FUNAE and so participates in all relevant meetings. More specifically he/she will:

- Analyse capacity building needs (training, IT, R&D) with the Mozambican partner and help to strengthen the institutional capacity;
- Provide links with other partners and projects in the energy and rural development sector;
- Assure the quality of the planning and reporting documents for the Steering Committee.

These tasks will be shared with the other technical assistants of the project, according to the field of expertise of each expert and to the workload, with a major concern for the good complementarities with the expert in photovoltaic energy.

### **Profile:**

The candidate possesses:

- A masters degree in civil, electrical or electro-mechanical engineering or an equivalent experience;
- A thorough experience in the hydropower engineering;
- Ten years of experience in planning, designing and supervising the construction of energy systems;
- At least three years of overseas experience, of which part in sub Saharan Africa;
- A proven capacity for project management and good knowledge of Project Cycle Management (PCM) methodology;
- A proven capacity for knowledge transfer;
- Team spirit and communication skills with colleagues and institutional and private local partners;
- Good knowledge of English and French or Dutch;
- Good knowledge of Portuguese will constitute a competitive advantage.  
BTC will support a serious commitment to engage in a learning process in this language before departure if necessary;
- Good health, and accept frequent field visits to remote areas;
- Sensitivity to the cross cutting issues of the Belgian cooperation (environment, gender, HIV/AIDS, children's rights and social economy).



## Interested?

Please apply not later than **December 18<sup>th</sup> 2011**, through our web site [www.btctb.org](http://www.btctb.org). Use our Standard CV and a letter of motivation to apply. You can find the model of our Standard CV on the page Jobs of our website. If you have any additional question, don't hesitate to contact us at +32 (0)2 505 18 65.