



## **JOB DESCRIPTION 1750**

**UNIDO Project number:** GF/CVI/10/002 AND UE/CVI/10/0021

**Project Title:** Promoting Market Based Development of Small to Medium Scale Renewable Energy Systems in Cape Verde

**Post title:** National Renewable Energy Expert

**Duration:** 6 w/m

**Date required:** 12 July 2010

**Duty Station:** Home base – Cape Verde

### **Background**

The Global Environment Facility (GEF) has since approved the PIF and PPG for the above mentioned project for Cape Verde. The project is designed to promote market based dissemination of renewable energy technologies in Cape Verde thereby contributing to the GEF Climate Change focal area and Strategic Program SP 3 – Promoting Market Approaches for Renewable Energy. Based on the analysis of the significance of GHG emissions from the power generation sector in Cape Verde and its expected growth, this project provides a systematic approach to addressing barriers to the development of small to medium scale renewable energy based systems, either grid connected or stand alone, in Cape Verde by directly addressing the existing barriers and in the process reduce GHG emissions associated with the power sector. These GHG emission reductions will be realized through the following interventions: (1) demonstrating the technical and commercial viability of small to medium scale renewable energy systems with combined capacity of 2MW, either in grid connected or stand alone format and developing a national investment strategy for the replication of the pilots to the rest of the country; (2) establishing and operationalising policy, legal and regulatory framework conducive to the development of small to medium scale renewable energy projects in the country; and (3) strengthening capacities of support institutions, market players and market enablers and awareness raising.

These interventions would catalyze a shift from the development of fossil fuel based power generation systems towards renewable energy resources in addressing the existing power supply deficit and the replication of the renewable energy projects implemented under this project to other sites in the country. Therefore, there will be short-term (during the project) and long-term GHG reductions. The demonstration project to be implemented under this project will be selected in such a manner that it would maximize exposure and encourage replication throughout the country. The project will build capacity at institutional and individual level for among market enablers i.e. policy makers and regulators and market players, private sector, banks etc so as to sustain the project interventions beyond the life of this project and hence sustain GHG emission reductions through replication of the pilot project to other part of the country.

## Duties and responsibilities.

The National Renewable Energy Expert will work with UNIDO Project Manager (SM) and the International Expert in developing the GEF project in line with the activities proposed in the PPG and taking into consideration the comments received on the PPG from STAP and GEF members. More specifically, the national consultant will be responsible for the following activities:

Main Duties	Expected Duration	Expected Results
Collection of supplemental data on RE availability and appliances profiling. The national consultant will be responsible for the data collection and preliminary analysis as captured in the PIF/PPG. This process will be supported by the international consultant	4.0w/m	Detailed analysis of energy situation in the country, existing legal and regulatory frameworks, identify gaps, analysis of GHG emissions options for the different targeted sectors carried out.
Consulting with public and private sector stakeholders. Mobilizing partners	2.0w/m	Most stakeholders are consulted and mobilized to support the project to include commitments of co-financing, collaboration in the proposed project process, and identify potential pilot projects. Inception workshop and validation workshops organized and report are available

## Competencies

- Analytical thinking; planning, organizing and problem solving abilities
- Ability to communicate effectively in order to communicate complex and technical information to technical and general audiences.
- Skills in facilitating meetings effectively and efficiently and to resolve conflicts as they arise.
- Excellent interpersonal and communication skills and sensitivity to cultural, socio-economic and political differences.

## Qualification, required skills and experience:

- Hold a degree in economics, engineering or renewable energy.
- Extensive knowledge of renewable energy, including financial, legal and policy frameworks, renewable energy financial management effectiveness (including community involvement and capacity issues), renewable energy business development (including business planning, entrepreneurship development) in Cape Verde
- Have at least 5 years of proven experience in the mentioned field.

## Language Requirements

- Mastery of oral and written English is required.

### **Time framework**

The national international consultant shall provide the following outputs.

Specific deliverables, submission requirements, and due dates are given in Table 1.

**Table 1: Deliverables and Submission Requirements**

<b>Deliverable</b>	<b>Target Delivery Date</b>
1. Report on first mission and meetings between project team and stakeholders	July 2010
2. Reports of the workshops	October 2010
3. Report on the selection and design of demonstration projects	December 2010
3. Inputs on the GEF project document	Jan 2011

All deliverables should be submitted in electronic format to UNIDO HQ. Should any delay occur or unexpected circumstance arises, the expert should notify UNIDO Project Manager in writing in a timely manner.