

## Project Summary

### Projekt Background

The programme "Access to modern energy services in Ethiopia" (AMES-E) works with the Ministry of Mines and Energy and implements 50 (currently) remote located health centres with PV-Solar-Systems for the Federal Ministry of Health (FMoH).

These solar systems shall enable the health facilities to:

- improve the quality of their health services
- run electric driven medical equipment
- have a reliable cold chain for medicine and laboratory services
- be properly electrified at night for delivery and emergency cases
- provide improved working and living conditions for staff and patients

### Project Objectives

In March 2009 a baseline survey (BLS) was conducted among selected health centres and stations. The BLS serves as a basis for monitoring the programme activities and is considered as the first part of an impact survey. The second survey will be carried out after the installation of PV Solar Systems. Such survey shall focus on the impacts of PV-Solar-Systems on health services, on benefits for patients and on impacts on working/living conditions of health staff members.

In total 17 health facilities were chosen. All health facilities shall be electrified by the AMES-E programme with PV-Solar-Systems. To do justice to the high diversification of the Ethiopian country in terms of cultural, economical and topographical aspects, eight regions were selected.

### Project Activities

The BLS included the following main topics:

- Collection of basic data with respect to the respective area/village, its surroundings and the regional environment;
- General information about the institution (type of institution, technical equipment, number of employees, people reached per institution, type of services offered, location, ...), Performance of institutions;
- Current energy consumption (energy costs and purpose, possible savings ...);
- Energy demands and future needs of the institution;
- Improvement of working conditions in the surveyed health centres;
- Improvement of efficiency and hygienic conditions
- Impact on health centre staff and on patients.

## Services Provided

- Preparation and Conduction of Baseline Survey
- Development of Project Monitoring System

## Ethiopia

### Access to Modern Energy Services in Ethiopia (AMES-E)

#### Client

German Agency for Technical Cooperation (GTZ)

#### Duration

03/2009 - 04/2009

#### Personnel

- 1 international Short-term advisor
- 1 national Short-term expert
- Interviewer pool

