Project Overview:

Photovoltaic Systems

Situation of Dalit families in India

The Dalits from the villages of the district Tumkur live as "Untouchables" at the lower end of the social hierarchy. Their discrimination, which has been common for centuries, manifests itself in the fact that in many places they live in separate settlements ("colonies") in a distance from the main village. There they have limited or no access to resources such as water or electricity. Their source of income are often low wages from field work. The only light used in the huts comes from kerosene lamps. However, these lamps spread harmful fumes and the high kerosene prices as well as the low light yield make reading after dark impossible.

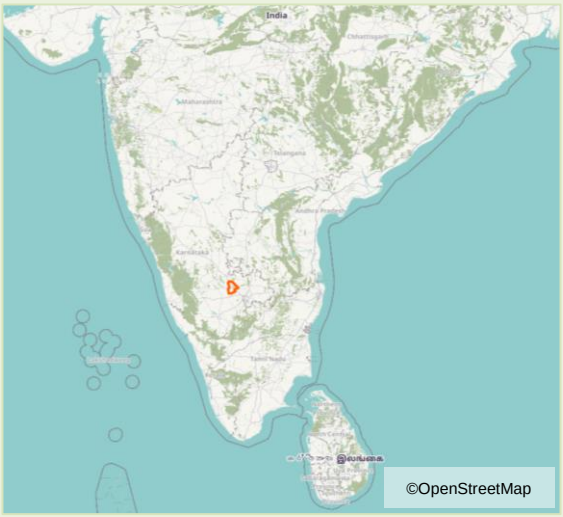
The project partner REDS has therefore set the goal of supplying these households with solar lamps. Each household will be equipped with one portable and three permanently installed LED lamps. This will replace the use of kerosene.

Benefits of the photovoltaik systems

Fossil fuels are reduced and thus the environment is protected. Children and young people have better possibilities to learn after sunset; the harmful fumes from kerosene are avoided and the risk of fire is lower. Women's roles are strengthened through technical training, e.g. for the maintenance of the lamps, and by the assignment of important roles in project management. The economic benefits are efficient and long-lasting lighting, which reduces expensive kerosene consumption and creates new jobs for the installation and maintenance of the systems. REDS itself decided to train two mechanics to replace the LEDs in lamps in need of repair. This means that the lamps can be installed, maintained and repaired by local specialists at any time. This project helps households to invest their scarce resources in their own future and that of their children.

Name:	Photovoltaic Systems
Category:	Renewable Energy
Location:	Tumkur District in India
Partner:	Rural Education for Development Society (REDS)
Standard:	VER and Gold Standard
Savings:	14.325 t CO_2 (in total)
Duration:	2012-2022
Status:	Certificates since 2015

Contribution of the project to the 17 Sustainable Development Goals of the UN:



Link to our partner organization:
http://www.redsngo.org/

State: November 2019