

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. In the course of the project, 4,163 photovoltaic systems will be installed. Each household will be equipped with one portable and three permanently installed LED lamps. This will replace the use of kerosene.

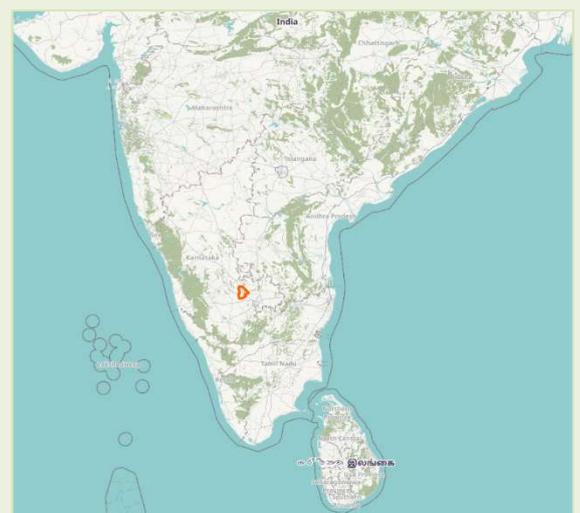
Benefits of the photovoltaic systems

The climate friendly solar lamps provide a higher quality of light than the kerosene lamps and directly reduce carbon emissions. With better air and light quality, families are now able to use the evening hours more efficiently: children can read and learn and women can e.g. sew to generate additional income.

The solar lamps create perspectives for young people and especially women in the community. They are trained in maintenance and reparation of the lamps and are assigned important roles in the project management. By that, they are able to work for their own income and get a perspective.

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| Name: | Photovoltaic Systems |
| Category: | Renewable Energy |
| Location: | Tumkur District in India |
| Partner: | Rural Education for Development Society (REDS) |
| Standard: | Gold Standard for the Global Goals |
| Savings: | 13,120 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/>