



TGUP Project Summary

Solar Microgrids for Maasai Monduli District, Tanzania

 MAASAI STOVES &
SOLAR PROJECT
of the International Collaborative

Project Name:

Solar microgrid
installation

Project Location:

Monduli District,
Tanzania

Project Summary:

Maasai women will
install electrical
microgrids to provide
electricity to bomas.

Project Need:

- * Once night falls, the Maasai live in darkness, with an open fire as their only source of light.
- * Their livestock are often killed by predators in the night.

Project Partner:

(ICSEE) International
Collaborative for
Science, Education, and
the Environment

Project Cost:

\$1,800



TGUP, in partnership with International Collaborative for Science, Education, and the Environment, (ICSEE), will fund the installation of 2 solar microgrids for Maasai family settlements, called bomas. These 2 microgrids will provide power to all the homes within a boma, and in this case, that will be 20 homes.

The bomas will not only have electricity for light within their huts at night, but the livestock pens will be illuminated, scaring off predators.

Currently the only source of light, once the sun sets, is an open fire within the huts. This is dangerous in many ways. The smoke from the fires is very unhealthy resulting in 25 out of 1,000 annual deaths in children due to lung illnesses. Any many toddlers burn themselves in the open flames.

For many Maasai, a cell phone is their only communication with others. The microgrids will also provide power to charge their phones.

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