



MD 107 Finland NSR

Proposal for the next NSR project in 2023-2025

EXPANDING SOLAR COOKER PROJECT IN AFRICA for

- - Sustainability
- - Environment
- - Health and
- - Empowering women
- - Serving people in need locally in their own living environment.

Proposal:

MD 107 Finland proposes for the next NSR project in 2023 - 2025 a project of making and delivering solar cookers in new areas of Africa, in MD 411 (Kenya, Tanzania, Uganda, Ethiopia and Seychelles) utilizing the experiences of a former project in Kenya. The expertise, installation constructions and project management will come from MD 107 Finland.

New metal covered cooker model (Photo 1) is durable, efficient and cost effective. Cooker assembly (Photo 2) can be totally made in the host country. The user training (Photo 3) will also be given locally. Project Lions host organization in Africa is supervised by PID Manoj Shah. In addition, LCIF grant will be applied.

The project improves the quality of life. Solar cooking will enable healthy living in the rural areas and will help the people in their own surroundings so that they don't need to leave and look for better living conditions elsewhere. The project outcome with 1300 cookers will serve daily about 10 000 people directly.

Through environmental values there are at least ten times more beneficiaries. Using wood for cooking expands desertification. African forests are diminishing and preventive actions are needed.

In a typical village, women carry heavy loads of firewood (Photo 4) from further and further away, currently from about 10 kilometers. This means that at least 300 square kilometers around each village is lacking firewood. With solar cooking fire wood is not needed and the forests can recover. The project will save at least 2 000 cubic meters of fire wood per year. With solar cooking there will be no carbon dioxide that comes from cooking on an open fire. Solar cooking protects forests, improves air quality and helps in reducing climate change.

Preliminary budget:

NSR project budget will be sufficient for accomplishing the project. LCIF Grant would allow more solar cookers to be made.

Income:

NSR budget 2 x about 80 000 euros, depending on membership figures of the Nordic countries (1,60 euros/member).

Costs:

Planning, guidance and communication	3 000 €
Monitoring and supervision	15 000 €
Logistics	15 000 €
User training and manuals	5 000 €
Cooker parts and assembly, 1 300 cookers	122 000 €
More cookers with possible LCIF grant.	

Organization:

The contact person responsible for project contacts in Africa will be PID Manoj Shah. He is willing to work with Lions contacts and coordinate the project in Africa.

Project manager is PDG Heikki Saarinen. Project planning and supervision will be made by the Project Steering Group, mainly from Lions Club Helsinki/Pohjois-Haaga. In addition, PID Jouko Ruissalo and PID Tapani Rahko will be members of the Steering Group.

Further steps:

Earlier, innovative solar cooker project in Kenya has created awareness of solar cooking in Africa and there is a demand for expanding the idea into new areas.

Solar cooking area trainers will be trained and Solar Cooker User Guide (Appendix BoxCookerBooklet) has been made. Area trainers will train local users in the villages.

Solar cooker design, list of parts with measures, and installation instructions are made and will be delivered to the host organization while the project is launched.

Final project planning will be made in fiscal year 2022-2023 after the project has been decided at the NSR in Iceland in January 2022.

Additional information:

This proposal will be officially confirmed after the approval by the Council of Governors of MD 107 Finland.

IR Project Steering Group
MD 107 Finland

10.9.2021/TRa+HS+JR

