

MD 107 Finland

Proposal for NSR project in 2025-2027

SOLAR COOKER AND FORESTRY PROJECT IN AFRICA for

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

Proposal:

MD 107 Finland proposes for the next NSR project in 2025 - 2027 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 is durable, efficient and cost effective. Cooker assembly can be totally made in the host country. The user training will also be given locally. Project Lions host organization in Africa is supervised by PID Manoj Shah. In addition, an LCIF grant will be applied.

The project improves quality of life. Solar cooking will enable healthy living in 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 1100 cookers will serve daily about 8500 people directly.

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

In a typical village, women carry heavy loads of firewood from further and further away, currently 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 2000 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.

Kenyan Lions are planting 200000 trees at Thiba Dam during next two years. These tree seedlings will need watering and care. Taking care of young tree seedlings is proposed as a second component of the project. A healthy and growing forest binds carbon dioxide. Afforestation is more effective and cheaper than any other means of combating 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 61 400 euros, according to current membership figures in the Nordic countries (1,60 euros/member).

Costs in two years:

Planning, guidance and communication	2 400 €
Monitoring and supervision	10 000 €
Logistics	10 000 €
User training and manuals	5 000 €
Tree seedling care	10 000 €
Cooker parts and assembly, 1 100 cookers	<u>85 000 €</u>
Together	122 800 €

More cookers with possible LCIF grant.

Organization:

The contact person responsible for project 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 Group from MD 107, including PID Jouko Ruissalo, PID Tapani Rahko and members from Lions Club Helsinki/Pohjois-Haaga.

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 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.

Tree planting and tree seedling care is organized locally by host Lions.

Final project preparations will be made in fiscal year 2024-2025 after the project has been decided at the NSR in Norway in January 2024.

Additional information:

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

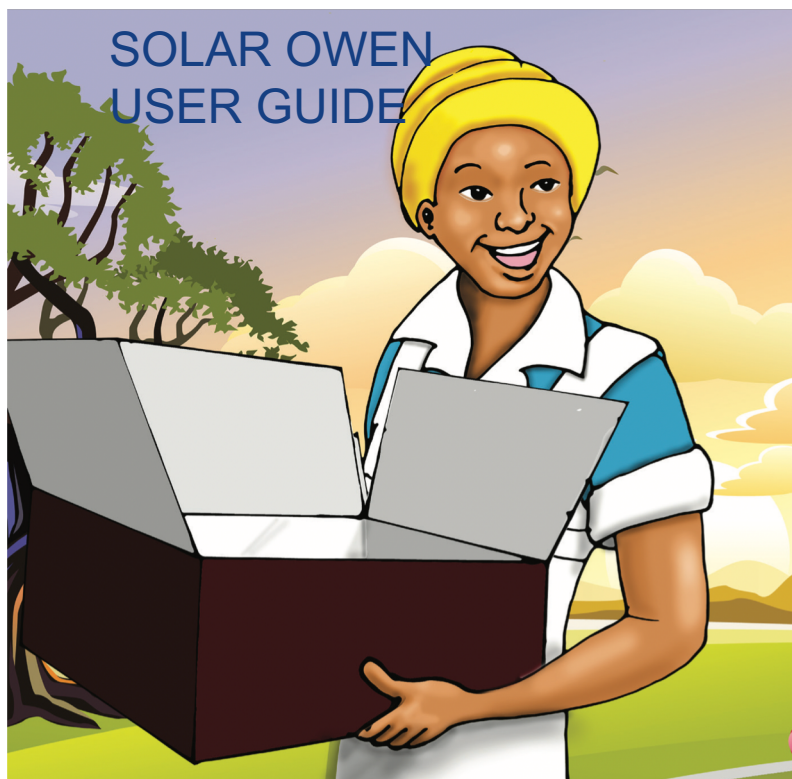
IR Project Group
MD 107 Finland

26.10.2023/TRa



Proposal for NSR Project 2025 - 2027

MD 107 - Solar Cookers and Tree Seedling Care in Africa





Solar Power is Clean

During the period 2021 to 2024, the Nordic Council of Ministers has prioritized following focus areas

1. **Carbon neutrality and climate adaptation**

Strengthen research and development and the promotion of solutions that support carbon neutrality and climate adaptation, including in relation to transport, construction, food, and energy.

5. **International co-operation on the environment and climate**

Contribute to the positive development of international co-operation on the environment and climate, such as by promoting Nordic green solutions in the rest of the world.

9. **Welfare for all**

Contribute to good, equal, and secure health and welfare for all.

NSR Can Make a Difference

- Use of fire wood and charcoal causes erosion
- Collection fire wood is laborious and dangerous
- Cooking with open fire causes illnesses
- Clean solar cooking gives opportunities to develop the society and saves the environment
- NSR project enables making and donating 1100 new cookers to the villages
- The project affects directly the lives of 8 500 people
- Environmental values multiply the number of beneficiaries.



Wood collection

Local Production in Kenya

- New, durable and efficient cooker model
- Materials can be acquired locally
- Local host lions and project manager
- Assembly in a local workshop
- Number of cookers can be adjusted to the budget.



Advanced Training Program

- Professional head trainer will give cooker classes to the area trainers
- Area trainers are appointed by local government, counties
- Area trainers go to the villages and instruct the cooker recipients to use and maintain cookers in the villages.



Head trainer



Area trainers in a class



Trainees in the village



Taking care of young forests – Second component of the project

- Kenyan Lions are planting 200 000 trees during the next two years
- After planting, the seedlings must be taken care of
- Kenyan Lion partners are committed to organize tree care as part of the NSR project
- Growing trees bind carbon dioxide
- A well-managed forest is an act for the climate
- Using solar energy and caring for trees together prevent climate change.



Solar Cooking and Forestry Project – Ready for your Vote MD 107



Thank You !