

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

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