



Water Connections & Malaria Prevention Project East Sumba, Indonesia

A proposal to raise \$125,000 to construct clean water and sanitation systems and provide active malaria prevention strategies in East Sumba.



Rotary International is partnering with Fair Future Foundation and Lab Without Walls to commence a Water Connections and Malaria Prevention Project in East Sumba.

Your support will save lives, and enable these villages to become malaria free.

Introduction

Indonesia has declared over half of its districts malaria-free. However, total elimination challenges remain in the highly endemic provinces of East Nusa Tenggara, Papua, and West Papua, which make up over 90 percent of cases in the country. **East Sumba has the highest number of cases of malaria in East Nusa Tenggara.** This has devastating consequences for families, and communities in many small villages.

Fair Future Foundation, the only NGO in East Sumba doing this work, collaborates with the local Regency Government and Health Department. Rotary and LWW have already funded a \$25,000 project that was successfully completed in July 2023. **This proposal is for essential work in other remote villages.**

Situation in East Sumba

1. The number of people infected with malaria in **East Sumba** is extremely high.
2. There is a low level of knowledge about malaria infection and how to prevent it.
3. A lack of facilities and tools delay the early detection of malaria infection.
4. A lack of clean water and sanitation facilities; some villagers are still hand-carting water.
5. There is extensive poor living conditions and limited access to medical assistance.



Early detection of malaria infections is an essential part of prevention efforts. Rapid Diagnostic tests (RDT malaria) are used, followed by microscopy to detect the presence of the malaria parasite.

Once cases are identified, appropriate medical treatment is given to prevent further spread of the disease, and reduce health impacts within the village.

Walls inside houses are sprayed to kill larvae, still water is dosed or sprayed, and insecticide treated nets are provided to villagers. Prevention is essential.

Assessment of the need for urgent action

A needs assessment was made of the tasks planned by Fair Future Foundation to save lives, by using new equipment and tools, supported by dozens of local volunteers and village labour, affecting 6,400 villagers.

Project Goals

The Project Budget proposes that six villages and community centres will be provided with water tanks, sanitation facilities, malaria testing and treatment, house spraying, mosquito nets, education and training, as required. Structures will be sustainable. All medical records will be sent to the Regional Health Department.



Ferro-cement water tanks



M-F toilets with septic system



Basic medical education

Project Management



PDG John Kevan from the Rotary Club Mandurah Districts will be Project Manager. He visited Sumba in July 2023, met all volunteer staff and visited many villages.



Dr Barry Mendelawitz, Chairman, LWW, is a strong supporter of tropical disease intervention by providing testing equipment and technical advice.



Dr Alex Wettstein, founded FFF 15 years ago. He is dedicated to providing clean water and removing malaria from East Sumba, and manages all activities, coordinating the medical intervention, building projects and volunteers.

Project Budget Summary

Water Connections

1	Water tanks	Build 5 x 5,000 litre ferro-cement tanks	8,240
2	Water tanks	Build 3 x 10,000 litre ferro-cement tanks	8,010
3	Sanitation facilities	Build 3 x M/F toilets and septic systems	8,820
4	Piping & Controls	Supply & install pumps and 3,400m piping. Hand washing and training	16,430
5	Admin & Eq. freight	FFF admin, fuel, ferry, transport costs	11,950
6	Contingency	Inspection visit and Contingency (10%)	5,800
Sub Total			\$59,250



Malaria prevention

1	Spraying program	Spray 400 houses, safety and training	13,750
2	Nets & health care	Treated nets & Health education books	17,170
3	Microscopes	Microscopes and Data collect systems	6,390
4	First Aid	Village First Aid boxes and training	11,290
5	Admin & Eq. freight	FFF admin, fuel, ferry, transport costs	10,350
6	Contingency	Inspection visit and Contingency (10%)	6,800
Sub Total			\$65,750



Project Budget TOTAL \$125,000

Donations can be sent to:-

Reference Sumba and your name. Thanks

- Rotary Club Mandurah Districts.** BSB 036 157 Account 751 392
- Rotary Australia World Community Service RAWCS.** Project No **10-2023-24**
Search rawcs.org.au Donations. Look for the project name. (tax receipt)
- Lab Without Walls Inc** (tax receipt) BSB 016 267 Account 4641 72863

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