

Final Report for the Jersey Overseas Aid Commission Water & Sanitation Project – Mozambique

The context

A lack of safe water and adequate sanitation has had a major impact on the health of the people of Mozambique, particularly women, children, and the poorest. Waterborne diseases such as diarrhoea and cholera are endemic.

Vulnerability to disease is exacerbated by poverty. Mozambique is one of the world's poorest countries. 70% of people live in absolute poverty. 12% of people are HIV positive, making them more vulnerable to disease. Life expectancy is a mere 40 years, and child mortality is 146 per 1,000.

In the Malema and Ribawe District of Nampula Province, in the northwest of the county, some estimates suggest that only 17,8 of the population of 150,000 have access to safe water. Few people know about good hygiene practice, and are unaware that bad practice creates health risks. Yet Government and other agencies have been doing little to address the problem.

The response

The Mozambique Red Cross Society, supported by the Jersey Overseas Aid Commission through British Red Cross, has been implementing a project to meet the water and sanitation needs of vulnerable people. In the Ribawe district, 25,950 people needed improved water resources. In the Malema District 2,436 people needed latrines. The International Federation of Red Cross/Crescent Societies and British Red Cross have provided technical support.

The work complements a number of Mozambique Red Cross existing and planned water and sanitation projects.

The aim has been to provide sustainable community-managed water and sanitation services and to promote good hygiene practices.

The goal and the objective

The goal:

- To provide sustainable improvement in health and well being for the vulnerable population of Malema District.

The objective:

- To establishment of sound, sustainable water supply, sanitation and hygiene promotion services to 8,000 vulnerable people in Malema District by 2007.

The targets and what was achieved

We said Red Cross would:

1. *Provide community-managed facilities*

Achievements have been:

- Mobilising 19 communities to 'own' the water sources to be built. In part this has been achieved through encouraging the communities to make a financial contribution. There is a pre-established amount of US\$100 in each community. Up to now the communities covered by the project have contributed 43,500 Meticas (USD 1,641. 50).
- While mapping was being carried out to establish best locations for boreholes, 11 community water committees were set up.

2. *Construct 8 new boreholes and Construct 8 hand-dug wells*

Achievements have been:

- The signing of a contract for a contractor to carry out geophysical studies, and carrying out studies in 19 communities.
- Mapping 19 communities to identify suitable sites, and drilling and making operational 11 boreholes and 8 hand dug wells.
- Recruiting a drilling team, composed of three people in August 2006 after a drilling machine was acquired through a project supported by the Norwegian Red Cross.
- Constructing 8 boreholes with aprons and hand pumps.
- Digging 3 hand-dug wells
- Establishing 4 water committees, and a software technician training them in the operation, maintenance, sustainability and management of water points.
- Establishing a safe, sustainable water supply for 5,880 vulnerable people in Ribawe district with the constructed boreholes and hand dug wells.

3. Train and Support 80 Red Cross volunteers to promote, hygiene, sanitation and health issues, including HIV/AIDS

Achievements have been:

- Recruiting and training 40 community volunteers, while mapping and drilling was being carried out to establish best locations for boreholes. The volunteers are carrying out hygiene promotion in the 19 villages that will benefit from the water points.

4. For the volunteers to promote hygiene, sanitation and health issues, to 8,000 people. (Now estimated to be more than 10,000 people after visiting the communities.)

Achievements have been:

- Reaching 5,880 people with hygiene, sanitation and health education and guidance.
- 168 latrines constructed in Malema district and 1,008 people benefited by using the latrines.

Other achievements

The drilling machine acquired with the support of the Norwegian Red Cross increased the response capacity to provide safe water, and has contributed to Mozambique Red Cross income generation, there being a demand for drilling services.

Funding from Nestle is used in the same district to increase the number of water points by drilling and equipping another 20 water points, reaching more than 10,000 people.



Monitoring the project

Senior management staff carried out a monitoring visit in September 2006, and the Water and Sanitation National coordinator carried out supervision visits in September, October, and December 2006.

The Federation Regional WatSan Delegate based in Harare and Senior WatSan Officer based in Geneva visited the project area in September 2006.

The national WatSan officer carried out supervision visits in March 2007, monitoring the project in Malema and Ribawe districts.

Sustainability

The project is sustainable because the technology used is simple and appropriate for rural areas. The pump attendant can repair the pump after appropriate technicians have trained him/her.

Further, all the communities have contributed the US\$100 required for ownership of the water sources; this is the condition of the government using its water policy for all rural water and sanitation projects. The communities are willing, and participate in the water committees and other meetings called for the project implementation. The project software technician has provided a training for operational and maintenance of water points.

The local government authorities are supporting the communities by meeting, discussing with the communities' leaders, and monitoring the progress with Mozambique Red Cross on the project

Constraints:

Procurement procedures in Mozambique Red Cross Society were slower than expected in the first and second quarter. These created delays in implementation of planned activities, but the issue has been addressed.

The rainy season in January affected the project when the drilling team had an accident, losing a 4" hammer during drilling boreholes in Ribawe district. The season also adversely affected the digging of hand-dug wells.

Three boreholes dug for the project proved dry.

The lack of a suitable truck was a major draw back to drilling; the team has had to use a one-ton pick up truck. This affected the movement of materials between sites.

It was expected that stones and sand would be available at the villages where the water points were to be constructed. This was not the case, and the cost of transporting these materials was not budgeted for. The cost of renting a truck was additional to the budget.

Budget and expenditure

Total applied for and received from Jersey Overseas Aid Commission: £58,385

Actual costs				
1- Personnel Costs	USD	USD	GBP	GBP
621 - Salaries	34,994.24		19,441.25	
625 - Social Security and pensions	7,611.18		4,228.43	
629 - Other personnel related costs	451.20		250.67	
Sub Total:		43,056.62		23,920.35
2 - Project Costs				
335 - Computer	2,769.81		1,538.78	
623 - Per Diem	8,584.46		4,769.14	
627 - Incentives	4,231.28		2,350.71	
628 - Training of volunteers	1,920.00		1,066.67	
631 - Water	290.85		161.58	
632 - Electricity	476.68		264.82	
633 - Fuel & Lubrificants	5,076.95		2,820.53	
634 - Utensils & Tools	592.08		328.93	
635 - Material for vehicles maintenance - spare parts	198.90		110.50	
635 - Material for equipment maintenance	222.00		123.33	
636 - Stationery	1,200.27		666.82	
638 - Electrical material	267.40		148.56	
638 - Higiiene material	51.88		28.82	
638 - Didatico materials	660.02		366.68	
641 - Maintenance of vehicles and motorbikes	1,195.04		663.91	
641 - Maintenance of equipment and furniture	172.00		95.56	
642 - Transport of cargo	70.38		39.10	
643 - Communication - Telephones & Fax	3,462.80		1,923.78	
643 - Communication -Postage	175.64		97.58	
644 - Passengers transport	2,365.76		1,314.31	
646 - Audits fees	3,510.00		1,950.00	
646 - Other technical assistance	645.70		358.72	
647 - Accommodation & meals	2,558.80		1,421.56	
648 - Construction of latrines	6,491.74		3,606.52	
648 - Constructions of boreholes & water points, wells	14,638.50		8,132.50	
649 - Serigraphy printing services - T-shirts, caps & banners	80.03		44.46	
651 - Bank charges	58.76		32.65	
669 - Other taxes (Portage, Emigration,	28.00		15.56	
681 - Rental of vehicles	566.67		314.81	
682 - Insurance of vehicles	1,667.95		926.64	
866 - Exchange rate differences	195.44		108.58	
Sub Total:		64,425.79		35,792.10
Total:		107,482.41		59,712.45