

FFM END-OF-PROJECT REPORT ON DAM PUMP REPLACEMENT

INTRODUCTION

The task in question came into being after a dam pump at Muchingwizi small dam was stolen in late 2017. The pump used to serve the hospital, church and school at Matibi with water for sewerage, laundry and small domestic irrigation. These important uses were acutely affected from the time when the pump disappeared. Clean water supply has also been running low for decades in the whole country, meaning that it was not a meaningful alternative, even considering the costs involved in such commercial water. As a result, the Mission authorities requested the assistance of the FFM to kindly replace the dam pump and bring back dirty water supply.

OBJECTIVES

- To replace a stolen water pump in Muchingwizi dam
- To refurbish the piping system connecting the dam pump to the points-of-use
- To improve security mechanisms around the new dam pump

CHALLENGES

The pump could not be found locally in Zimbabwe and therefore the quotations had to be done in South Africa. Seeking quotations from South Africa over the internet also proved futile because the responses were not forthcoming. At that moment it required someone to cross the border for quotations and purchasing but all this was going to be expensive. As a result, the Mission utilised the few errands that were scheduled for other kinds of hospital business, so that the pump issue was integrated in those other itineraries. What came out was only one quotation and the other quotations were taking too long to get, at a time when the water situation was growing into a crisis by day. Max Sieber who were in Matibi to install the old, stolen pump, started to investigate for quotations and found a good offer in South Africa. FFM wired to asked money and the pump was finally delivered to Matibi.

SUCSESSES

Fortunately the task was handled by the able hands of one Douglas Waza, a general hand and technician at Matibi Mission Hospital. He ordered the right quantities of the right materials and engaged competent assistants to get the assignment done. The 865 USD was expended as follows:

Pipes	300
French screen door	180
Labour and assistants	140
Cables	100
Transport	50
Adhesive kit	35
Holed plates	25
Connecting elbows	14
Electric adapters	14
Connecting nipples	7

The work at the dam started on May 28th and took 4 days, resulting in a perfectly functioning water pump. The needed equipments were provided by the church as well as masonry cement and food for the workers over the four days. The work also utilised a hose which was received from FFM sometime back and it reduced the costs of the materials.