

FINAL REPORT ON MIARY' S WELL CONSTRUCTION

INTRODUCTION

As part of the DRINKING WATER SUPPLY IN THE COMMUNE OF BEAVOHA project, supported by the PAW Madagascar Association, the construction of wells in the village of MIARY MIJADO is proving to be a priority, since the existing well in the school field, has dried up. It should be noted that this well was made by the NGO TARATRA, whose rehabilitation in 2019 by this NGO was funded by PAW Madagascar. However, for nearly a year, the well had not functioned normally, and the villagers were returning to the Sakamena River, whose drinking water is critical, for all their needs. Today, at the request of the villagers, PAW agrees to redo the well and no longer to rehabilitate it, through a company providing SOA POMPE. A contract was thus established to specify the conditions for the construction of the well. As a result, this report gives an account of the construction of the well, and the results obtained with regard to the quality of the water and the work carried out.

GENERAL PROVISIONS FOR THE CONSTRUCTION OF THE WELL

The well cost the sum of **“NINE MILLION THREE HUNDRED ELEVEN THOUSAND HUNDRED FIFTY THREE ARIARY” (MGA 9,311,152.97)** whose payments coincided with the stages of construction, divided into three phases from **June to August 2021** especially from June 1 to August 26, 2021, for a total of **75 days**.

The implementation of the work saw the contribution of the various stakeholders, more precisely on the following actions:

- Supervision of the work by the resource person representing PAWM in Betioky and the partner association, called Essa_smile4Madagaskar, who also works in the area, through the agents, who took and sent photos and videos of the site.
- Participation of the beneficiary local actors, inhabitants of the Miary village of the Municipality of Beavoha, by the supply of local materials (gravel, sand) and the plantation of Daro, for the fence of the well.
- Pump allocation by the company Soa Pompe and training of the well management water committee, regardless of the well budget
- Coordination of the Country Representative of PAW Madagascar for the drafting of reports based on data provided by smile4 and Soa Pompe.



CONDUCT OF WORK AND DIFFICULTIES ENCOUNTERED

The excavation work went well the first meter deep, until the excavations encountered **sandstone soil** to a depth of about 15 meters, thus slowing the pace of work, as the digging was done manually with the crowbar and spikes. After that, there was a type of **hard clay soil compacted** for about 3.80 meters and, finally, a **very hard metamorphic rocky soil**, which made water gush out after a hole of 50 centimeters. In a fairly short period of time, about two hours after the purification of the water, the height of the water reached three meters. Note that the water appeared at 17 meters but only had a good flow at 20 meters, at a height of 3.5 meters. Here are the characteristics of the water from Miary's well.

- Conductivity : 4200uS

- PH : 8 (basique)
- Ammonium : 0 mg/L
- Nitrate : 0 mg /L
- Nitrite : 0 mg /L
- Salinity : 3 mg/L

IMPACT WITH THE TARATRA PROJECT

About a month after the start of the works, on July 04, the site received a visit from the agents of the TARATRA project. It was at the request of the villagers that PAWM decided to redo the well. In fact, these agents had gone to the village for a distribution of rations of rice and pulses, in the remote villages of the commune, as help to meet some of the needs of the villagers.

Seeing the site, they were unhappy that no request for authorization had been submitted from the villagers for the repair of the well, and had called on the workers to immediately stop the site, saying that they were going to sue Mr. Richard. Finally, they did not give the village ration, because of their "mischief". All this with the words disrespecting the workers.

Fortunately for PAWM, before the start of the works, we had demanded the request of the villagers, duly signed and approved by the notables.

ESTABLISHMENT AND TRAINING OF THE WELL MANAGEMENT COMMITTEE IN MIARY-MIJADO

- The committee is made up of 10 people from the different hamlets that make up the village of Miary-Mijado, and distributed as follows by the villagers themselves:
 - - Taolabiby 1
 - - Sarodrano 1
 - - Miary 1
 - - Ampanihy 1
 - - Mijado 1
 - - Tanan'Omby 5

We would like to emphasize here the solidarity between these hamlets which have always supported each other. This is how the completion of the well fence was the work of this committee, each hamlet having brought and planted the necessary number of Daro plants.

Furthermore, the training went well. The committee was formed on the modules:

- - Pump maintenance
- - Well maintenance



ANALYSIS AND CONCLUSION

- The deadline for the construction of the well was respected well beyond the prescribed time, and this despite the difficulties encountered causing a hard working condition, in particular the digging of the rock manually, centimeter by centimeter, in order to avoid any risk of landslide.
- The work was carried out with professionalism, despite the circumstances. No accident took place on the site; no worker was sick and no major incident, apart from that of TARATRA, was noted.
- Regarding the NGO TARATRA, I had personally asked Mr. Realy to intervene with the management of the NGO in Betioky. At least, what the agents of this NGO had done was only an isolated action, because those responsible were not aware of anything. In addition, they thanked and congratulated us for our initiative, because for themselves, since the containment no activity has been possible.

- The well stands proudly in the schoolyard with a total depth of 20 meters and the water table is 17 meters; the villagers keep thanking PAW and Soa Pompe, as they despaired of ever having safe drinking water. If everything went well, it is in this case thanks to the will of all the stakeholders (PAWM, Soa Pompe, smile4, and the beneficiaries), to contribute in the way that was possible: funding, realization, the various contributions (follow-up, report, etc.). The pupils of these different hamlets around Miary-Mijado as well as their parents can look forward to having water now, not only to improve their health, but also to safeguard the environment.



Under the satisfied gaze of the well digger Mr. Richard

Done in Antananarivo on August 25, 2021
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With the data collected by **Soa Pompe** and **smile4**

