

SALOHY PRIMARY SCHOOL

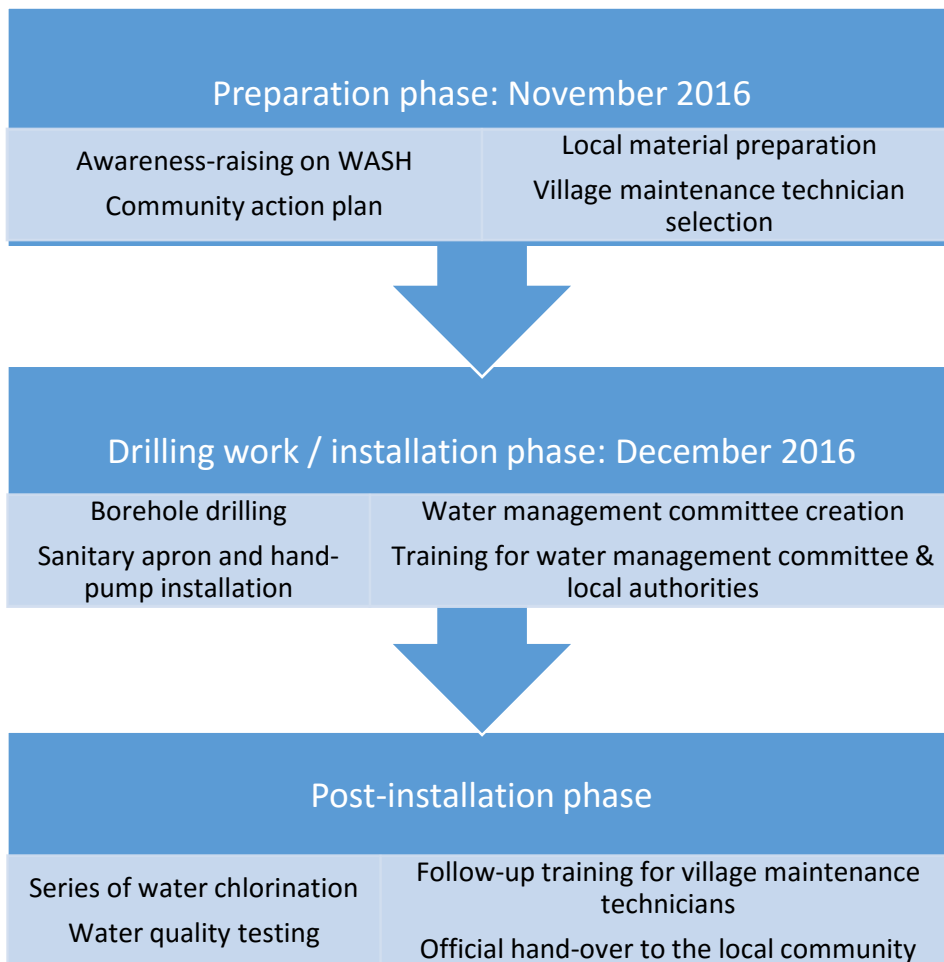
I- OVERVIEW

Salohy is located in the Amborobe neighbourhood of Vohipeno urban municipality, Vatovavy Fitovinany Region of Madagascar. This Primary School benefitted from clean drinking water infrastructure after receiving support from the Adsum Foundation and TASC Madagascar in December 2016 and linked to the construction of a new school building.

II- BENEFICIARIES

This borehole now directly benefits 252 students, 5 teachers and 16 households.

III- TIMELINE OF PROJECT ACTIVITIES



Village meeting



Start of drilling work



Clean drinking water!

IV- DETAILS OF EACH PHASE

A- PREPARATION PHASE: November 2016

i- **SITE VISIT:**

A trip was made to Salohy on the 17th November 2016 to conduct a site visit and the feasibility study. Specifically, this was to:

- Check the population beneficiary number, and the motivation of the project beneficiaries.
- Study the site feasibility.
- Carry out a survey of the project beneficiaries
- Raise awareness amongst the population and the school about the 3 key WASH messages and environmental protection.

Information gathered on Salohy:

DISTANCE	PREVIOUS WATER SOURCE	BENEFICIARIES	FEASABILITY SITUATION	BOREHOLE DEPTH ESTIMATION	SOIL TYPE
Fianarantsoa – Vohipeno: 315 km (Vohipeno –Amborobe: 12 km, Amborobe – Salohy Primary School: 5km	Dirty lake	252 students, 5 teachers and 85 inhabitants	Feasible	15 metres	Sandy

ii- **FIRST MEETING WITH PROJECT BENEFICIARIES**

A meeting was held with households and the parents of primary school pupils in Salohy on the 18th November 2016.

Meeting agenda:

- Presentation of Feedback Madagascar / Ny Tanintsika and their partnership with the Adsum Foundation and TASC.
- Presentation of the Borehole Programme.
- Project activities in Salohy.
- Technical explanation of boreholes.
- Awareness raising about the 3 key WASH messages, the perils of bush fires and on environmental protection.
- Discussion about beneficiaries' contributions to the project.
- Election of the local committee members in charge of overseeing preparations for the project and progress.
- Logistical arrangements (e.g. purchase of local materials required, housing for drilling teams, identifying a stock house, etc.).



Meeting in Salohy



Awareness raising during the meeting in Salohy

Participants:

- Representatives from Amborobe Municipality.
- Salohy Neighbourhood Chief (Fokontany).
- Head of education in the municipality « Chef ZAP » (*Zone d'Administration Pédagogique*)
- President of the association of pupils' parents
- Auguste, TASC representative in Vohipeno
- 13 villagers

ACTIVITY	DETAILS / RESULTS
Awareness-raising about the 3 key WASH messages (Water-Sanitation-Hygiene)	15 villagers informed of the 3 key WASH messages and the importance of environmental protection <ul style="list-style-type: none"> - Building and use of (hygienic) latrines - Hand-washing with soap or ash - Drinking safe water Awareness-raising about borehole use.
Explanation of the borehole technology and design	Active participation of participants, with many questions asked. A photo of a completed borehole was shown to illustrate the technology.
Presentation of Project Work-plan	Discussion about community contributions: <ul style="list-style-type: none"> - Providing somewhere secure for the drilling teams to stay during their work in the village, and someone to prepare meals. - Providing somewhere secure to store the equipment and materials until the end of work. - Fetching water throughout drilling work. - Collecting and transporting sand. - Transporting any materials by foot where transport is impossible to the point of drilling. - A minimal financial contribution of 125,000 MGA. <ul style="list-style-type: none"> ➤ The community accepted these contributions having asked different questions to clarify everything.
Electing the local committee members (in charge of overseeing preparations for the project and progress)	The following people lead this committee in Salohy: <ul style="list-style-type: none"> • Botomaro Jean Baptiste • Raderandraibe Victor • Razafinirina Julienne • Ndongo

Unfortunately, due to communication issues regarding the meeting, there were not many people present because most villagers had not been informed. However, the representatives of the population of Salohy stressed their continued motivation for the project and accepted all community contributions required.



The Salohy community raising their hands to show their support for the project!

iii- CHOOSING LOCAL MAINTENANCE TECHNICIANS:

The villagers chosen to be local maintenance technicians for Salohy Primary School, and to follow the practical training with drillers during borehole installation were:

NAME	AGE
RADERANDRAIBE Victor Jacquis	50
MONJA Alfred	48

iv- AWARENESS-RAISING ON 'WASH' AND ENVIRONMENT PROTECTION

The community support field agent carried out awareness-raising activities for 70 inhabitants and for 99 students via educational sessions at Salohy School on the 3 key WASH messages and environmental protection. Advantage was taken of large community gatherings such as during community activities to get community contributions together, during the first meeting with beneficiaries, during the process of creating the water management association, and during visits to 2 different classrooms (CP1 and CP2). Educational activities were also carried out through door-to-door visits to 4 households.



Awareness-raising in Salohy

B- DRILLING PHASE:

i- TRAVEL TO THE SITE:

- **5th December:** Travel to Salohy from Ifanirea (in the South East of Madagascar)

ii- BOREHOLE INSTALLATION

- a- Date:** 7th to 20th December 2016, over 14 days

b- The Team:

Drillers: Bruno, Toussaint and Lova
Technicians: Njaka
Community support field agent: Rose

c- Timeline of project activities at the Primary School:

- Started drilling with a community prayer on the 7th December 2016 in the presence of 3 drillers, 2 local maintenance technicians, 1 technician and 1 community support field agent.



The start of drilling work in Salohy

- 7th - 10th December 2016: Drilling activities. The community fetched water daily to use during drilling. The drillers could not work on Friday 9th December because Friday is a market day, and so beneficiaries were not available to fetch water.



The community fetching water during drilling work in Salohy.

- 10th December (afternoon): The drilling team reached a depth of 18.3 metres and, on testing the water flow rate, water was found to be sufficient for the community. The team passed to the next step.
- 11th December: Preparation of the PVC well casings and looking for sand for the sand filter in Vohipeno (20km from Salohy).
- 12th December: Transporting the sand for the sand filter in Vohipeno
- 13th December: Re-sieving the sand at the Primary school (the sand was not good quality sand for the filter) and continuing preparation of the well casings.



Sieving sand for the filter.

- 13th December (afternoon): Installation of PVC well casings within the borehole, placement of a sand filter pack in the open space surrounding the well casing.
- 14th -17th December: Borehole development and building the surface structure: a concrete pedestal, sanitary apron, a soakaway ('sump')
- 17th December: 1st chlorination, building the canalisation to channel dirty water away from the sanitary apron.
- 18th -19th December: Continuation of building the surface structure and fence. This fence serves to prevent animals from entering the borehole area.
- 19th December: Carrying out the 2nd Chlorination and installation of the Canzee hand-pump.
- 10th November: Technical provisional acceptance of work was carried out with the local authorities and the community.



Previous source in Salohy – and the school's new borehole!

a- Borehole land agreement

Ndondo is the landowner for the land where the borehole was installed near the Primary school in Salohy. Written agreement was given for this (see appendix).

C- POST-INSTALLATION PHASE

i- Water management committee creation

One water management committee were created for the borehole at Salohy Primary School. The name of the committee is "MORARANO", meaning "cheap water".



Meeting for the creation of the water management committee

V- THE TEAM

Sophie - Project Officer



Roseline (left)
Community Outreach Worker
(Socio-Organisateur)

Njaka (in the middle)
Borehole Technician / Overseer
of Drilling Team

The Mayor of Amborobe (right)



The drilling team : Toussaint,
Bruno, Lova and the 2 local
technicians

VI- TECHNICAL DETAILS OF BOREHOLE DRILLING AND PUMP INSTALLATION

- Geographical coordinates (GPS readings): Latitude: 22°17'649 S, Longitude: 47°53'184"E and elevation 22m
- Technology used: Rotasludge
- Type of hand-pump installed: Canzee Pump
- Duration of drilling: 14 days
- Number of failed drilling attempts before success: 0
- Depth of borehole (static level: 4.50 m, dynamic level: 14 m and total depth: 18.3 m)
- Water flow rate: 1,000 litres/minute
- Dates of water chlorination: 17th December 2016, 19th December 2016
- Water test results: Test planned for April 2017
- Stratigraphic profile of the borehole: Diagram in appendix.

POSITIVE POINTS

- Motivation of the Mayor, the traditional authorities "Ampanjaka"; they are present for all meetings with the community, during and after the activities and during the training with the management committee.
- Active participation of beneficiaries especially certain elders "Ray Aman-dreny" who helped the team to mobilise the community with their contributions to the project.
- Team motivation during the activities.
- The water in sources around the village is salty but the water from the borehole is fresh and considered by the community to be good and healthy.

PROBLEMS ENCOUNTERED:

- Difficulty of finding supplies of wood for fencing.

VII- WHAT NEXT?

Although the community should be sufficiently equipped to now be self-sufficient in effectively managing their new water supply, post-project monitoring and support will continue to a certain extent in the future.

THANK YOU SO MUCH, THE ADSUM FOUNDATION AND TASC!



An example of soil samples taken during drilling in Salohy.

Stratigraphic Profile of the Borehole at Salohy Primary School

CR : AMBOROBE
 Fokontany : AMBOROBE
 Village : CPP SALOHY
 NS : 11m50
 ND : 11m
 PT : 18m30
 Δf > 1m³/h
 TR : 5 mn
 DESSIN

PROFIL STRATIGRAPHIQUE

Tuyau PVC	Remblai	Type de sol	Profondeur (mètre)	Description du sol	Dur/ tendre Fin/grossier	Couleur(s) du sol
			0m			
		+	0m - 3m	LATERITE	DUR	ROUGE
		///	3m - 4m30	ARGILE	DUR	JAUNE
		o	4m30 - 5m30	ARGILE + S. MOYENNE S.	TENDRE	JAUNE
		///	5m30 - 6m30	ARGILE	TENDRE	JAUNE
		///	6m30 - 8m	ARGILE	DUR	JAUNE - ROUGE
		///	8m - 11m50	ARGILE	DUR	JAUNE - ROUGE
		///	11m50 - 14m	ARGILE	DUR	Noir - Rouge
		///	14m - 16m	ARGILE	DUR	ROUGE
		o	16m - 16m50	Gras - Caill.	DUR	Marron
		///	16m50 - 17m50	ARGILE	TENDRE	Marron
		///	17m50 - 18m30	ARGILE	TENDRE	Marron

[Signature] D. Andriamanjankamirina
 TIEAH

Land Agreement Letter

TARATASY FANOLORANA TANY HANORENANA FORAGE

IRako NBONDO, antoandria ny karampanondra lahajana faha 212 301 606 135 natao tao VOHIBENO ny 27 Novambra 1978, tenaka tokony teo amin' ny 1951 teto SALOHY Zanak' i NGITARY (efa maty) sy BAOTORA (efa maty), dia manolotra ny ampahany tanako amin' ny F.P.P. sy ny tanana SALOHY Fokontany SALOHY - Kaominina Amborobe Distrika VOHIBENO, mba hamoromana Vokan-draho amin' ny alalan' ny FORAGE.

Vomona aho ny hanaraka ny fepetra sehatra mba hatan-draha ny fahadisoan' ny rano sy hiarovana, ary tsy ho pomba, =


Tsy famerenana lava-pijinga, tranom-biby fampy (Omby, Kipoa, Akoho, Ondry, Ovy), lavan-jerika 30m manodidina ny FORAGE.

Tsy fampiroana ny fepitra manodidina ny forage.

Ny faharetan' ity taratasy fanolorana ity - dia miankina amin' ny androm-piambon' ny FORAGE.


Natao teto SALOHY ny 06/12/2016.

<p>Ny Tompon' ny Tany:</p> <p style="text-align: center;">NBONDO</p> <p>Ny Solon-Tenan' ny Tanana</p> <p style="text-align: center;">LAKERANDRIBE Nitorafogajy</p> <p style="text-align: center;">MONJA ALFRED</p>	<p>Ny ONG ny Tanantsika</p> <p style="text-align: center;">DO</p> <p style="text-align: center;">RADIMISON Andriam-Jakaminina</p> <p style="text-align: center;">MONJA ALFRED</p>
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Solon-tenan' ny Tanana
 Botomara Jean-Baptiste
 (Sina)

Fokontany
 Kaominina




LE CHEF DE FOKONTANY
 - 2
 RAKOTONIRINA

DISTRICT DE VOHIBENO
 COMMUNE RURALE
 D'AMBORobe



LE MAIRE
 MAMANTSOA Julien Cheik



PROCES VERBAL DE RECEPTION PROVISOIRE

PROJET DE MISE EN PLACE D'INFRASTRUCTURES ADDUCTION D'EAU POTABLE PAR FORAGE A POMPE A MOTRICITE HUMAINE

Maitre d'ouvrage : Commune Rurale AMBOROBE
Financement : TASC-ADSUM-FONDATION
Maitre d'ouvrage délégué : ONG Ny Tanintsika
Titulaire : ONG Ny Tanintsika

L'année 2016 et le mercredi 21 du mois de décembre une commission composée des membres cités ci dessous s'est rendue sur le site du Projet de mise en place d'Adduction d'Eau Potable par forage à pompe motricité humaine (FPMH) dans les fokontany de SALOHY forage à pompe (Canzee) et de Village-EPP-Salohy commune Urbaine de AMBOROBE en vue de procéder à la réception provisoire des travaux de dit chantier.

ETAIENT PRESENTS

List of attendees: Rakemanantsoa Julien Charles (Maire), Rajaona Justin (2e adjoint), Vatsara Zedon Alfred (Chef IAP), Rakotonirina Sefo FKT, RADIMSON Andriamjankamirina (TIEAH), Ravanarisoa Hoëline Mpanjambatra

Après la visite des travaux, la commission a constaté que les travaux ont été exécutés dans le délai contractuel et répondent dans l'ensemble des exigences du Marchés et sont conformément aux règles de l'art.

La réception provisoire des travaux a donc été prononcée à la date ci-dessus mentionnée.

Néanmoins, la commission a émis les réserves suivantes :

- Four bullet points for reservations, each followed by a dotted line.

Où a signé

La Commune

Le Fokontany

L'ONG Ny Tanintsika

Technicien



RAKEMANANTSOA Julien Charles



LE CHEF DU FOKONTANY - RAKOTONIRINA

Signature of Radimson Andriamjankamirina (TIEAH)

Thank-you letter from the community and the Salohy Primary School

Translation: "We, pupils' parents, the primary school and the community of Salohy, Amborobe Municipality, would like to thank you TASC, Adsum Foundation and Ny Tanintsika for providing clean drinking water for our village. We promise you that the school and the community will take care of the borehole, that we will build and use latrines in our village and that we will look after the environment".

(Signed by representatives from the parents' association, neighbourhood chief and the mayor of Amborobe).

FISAORANA

Izahay FRATI, F.P.P, sy ny mpominana eto amin' ny tanàna SALOHY, fokontany Salohy, kaominina AMBOROBE dia mameto fisaorana lehibe ho anareo ONG NY TANINTSIKA - ny TASC, ADSUM FOUNDATION, tamin' ny nanomezanareo - anay hano fisotro madio, amin' ny alalan' ny fametra hana ny foto-drafitra' ASA FORAGE teto aminay.

Vonona izahay ny hana sy hikojakoja, ary ary hana maraha ny fepetra sehatra izay tobony hataonay toy ny: Hanaomboatra sy hampiasa lava-piinga, ary hitandao hatrany ny tontolo iainana.

- Raipo tontolo, ny hana, ambonay izay atolotray ho anareo.

Salohy, 21 Decembre 2016

Ny Solon tenan' ny Tanàna - FRATI,
Batimaro Jean-Baptiste
Ame

Ny fokontany
LE CHEF DE FOKONTANY
- 1

Ny Kaominina,
RAKOTONIRINA
DISTRICT DE VOHIPENO
COMMUNE RURALE
D'AMBOROBE
LE MAIRE
Maman Rats

NDONDO
e

MONJALFRED

AMBOROBE