



The Feedback Trust
Scottish Charity No. SC023568

**Construction of a new school building for the
Tomalaza Secondary School in Madagascar
(FF 00386)**

Final report

March 2017

**Feedback Madagascar/Ny Tanintsika (FBM/NT) –
The Eagle Foundation**

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Introduction

The Eagle Foundation agreed to fund a total of £14,648 for the project to construct a new school building for Tomalaza Secondary School in Antaribilava village, Ankazondrano neighbourhood, Sahambavy rural municipality ('commune'), Lalangina district, Haute Matsiatra region, SE Madagascar, Africa. This involved the construction of three furnished classrooms, a sanitation block comprising latrines/urinal, and a rainwater harvesting system linked to a hand-washing unit. This village is located 7km from Tomalaza village, 6 km from Sahambavy and 25km from Fianarantsoa town. Previously, inhabitants of this area had to walk a distance of over 14km a day to get to and from the nearest secondary school. This is the reason for the community's written request for help for the building of a secondary school; letter dated 2/2/2013, and repeated requests since.

The funding agreement, dated 29th June 2016, was signed by the FBM UK administrator and the funds were received in the UK bank account on the 21st July 2016. This amounted to 56,402,558 MGA after transfer to Madagascar. The expected period of the project was from July to December 2016.



Figure 1: Map locating Tomalaza Secondary School in relation to the capital city Antananarivo.

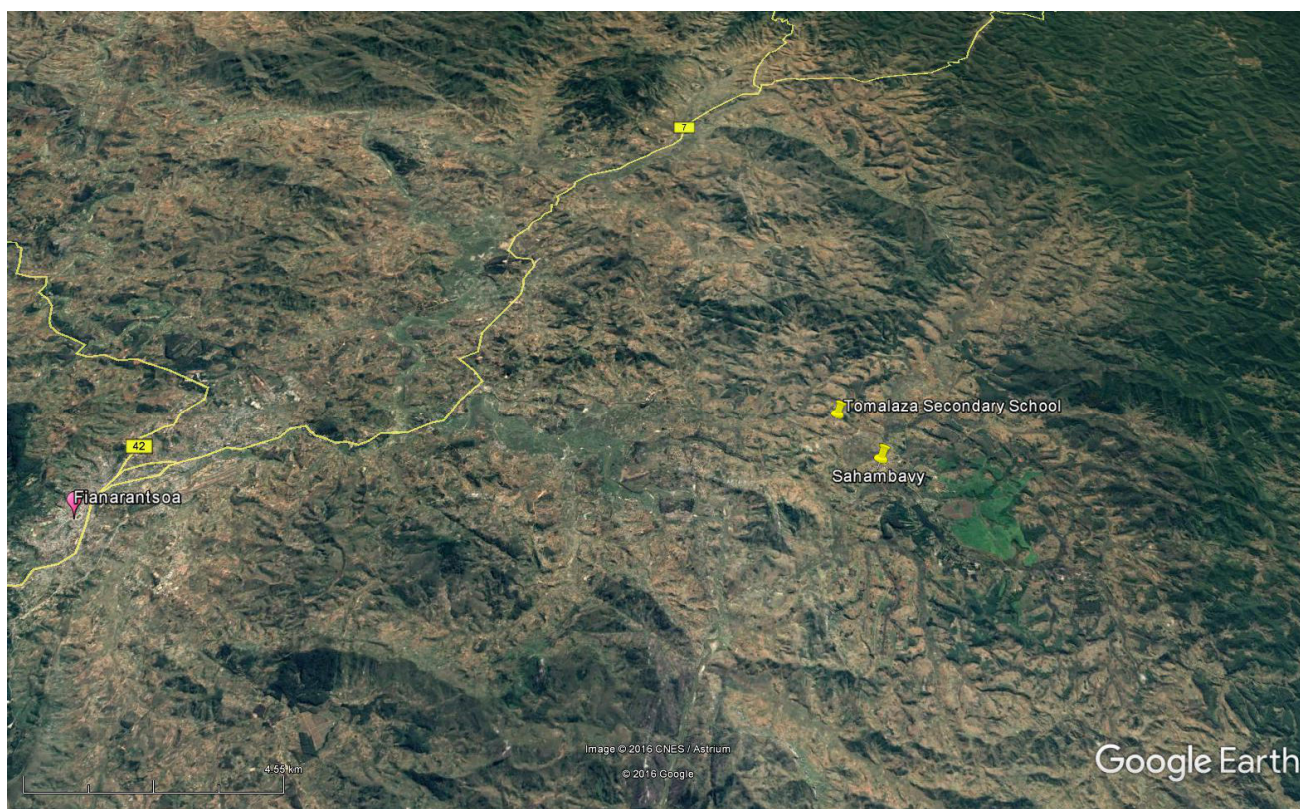


Figure 2: Map showing where the road is from Fianarantsoa (FBM/NT's regional office) to Tomalaza Secondary School.



Figure 3: Map showing Tomalaza Secondary and Primary Schools, and Antaribilava village (imagery date 28/6/2016).

Calendar of achievements

Activity	2016						2017	
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Information letter sent to the local authorities and partners concerned with the project.	X							
Initial meetings in Tomalaza to sign the agreement setting out each stakeholders' roles and responsibilities in the project, to identify the storeroom & to develop an action plan regarding local materials.		X	X					
Negotiation & contracting of team to break building stones & gravel, to make & fire the bricks & to transport materials from Fianarantsoa.		X						
Meeting with the association of pupils' parents to elect members of the local committee to oversee & monitor work ('COST'), and their training.		X						
Ordering, procurement & transport of materials & equipment required, including doors & windows, furniture, etc.	X	X	X	X	X			
Recruiting of storekeeper & community mobilisation agent to work in Tomalaza.			X					
Contracting of builders for the project.				X				
Community preparation of the land for the building (removal of vegetation, levelling).			X	X				
Foundations ceremony on the 28 th October 2016 and start of laying foundations.				X				
Building work (school, impluvium & sanitation block).					X	X		
Regular monitoring of work and achievement of community contributions.		X	X	X	X	X	X	
Delivery of school furniture (48 desks for students, 3 tables & 3 chairs for teachers).						X		
Provisional technical acceptance of works on the 22/12/2016.						X		
Installation of guttering & technical acceptance of works.							X	
Election of members of the school maintenance & repairs committee ('CER').							X	
Training of members of the school maintenance & repairs committee ('CER') & provision of tool kit.								X



Figure 4: Traditional blessing before the foundations ceremony, Tomalaza Secondary School.

Details on the project

Building work was very rapid, beginning on the 28th October 2016 with the bulk of work completed by the 22nd December 2016. Although Tomalaza's relative accessibility by road made the transport of materials from Fianarantsoa town much simpler than in other projects managed by Feedback Madagascar, certain issues arose with the transport of local materials on foot – particularly as the project period coincided with one of the main farming seasons. Assistance and regular monitoring of the situation was required to ensure the timely arrival of necessary materials to keep the work on track, and to resolve any issues that arose. Close collaboration with the various stakeholders (suppliers of materials, storekeeper, builders, local authorities and transporters) helped ensure that work went smoothly.

The initial foundations ceremony was attended by the head of education in the municipality, a representative of the district education authorities in Lalangina, the mayor of Sahambavy, members of the parent's association, teachers, students, the team of builders, the FBM-NT team and the population of the Ankazondrano neighbourhood. The construction team numbered 8, comprising 5 experienced builders and 3 specialised workers.

The 'COST' committee was created to oversee and monitor work at the school, particularly in relation to the achievement of community contributions. It was active in overseeing the work and monitoring community contributions, the stock situation (together with the storekeeper) and managing the local labourers from day-to-day. Planning took into account the timing of the builders' requirements for different materials, to reduce the risk of delays to work. In order to accelerate the pace of work, as well as to provide the school with clean drinking water, a negotiation was made with the local association in charge of managing an existing gravity-fed water supply system in the area. FBM-NT paid for a tap-stand to be installed at the school, which was in place just in time for the foundations ceremony.



Figure 5: Initial installation of a tap-stand to facilitate building works (left) & protection for the finished tap-stand for use by the school (right).

The following were community contributions to the project:

- Housing the builders;
- Unskilled labour. On average 10 people per day worked - fetching water required during building, helping the builders, carrying sand and materials, and other needs;
- A third of the required building stones and gravel;
- Round wood (for scaffolding), which were supplied by members of the parents association and by villages.

The official verification of work was carried out on the 22nd December 2016 in the presence of the COST committee, builders, the head of education in the municipality, local and municipality leaders including the mayor of Sahambavy, a representative of the district education authorities, the teachers and head-teacher, the parents association, the local community of Ankazondrano neighbourhood and students.

After inspection of the building and accompanying infrastructure, everybody was satisfied with the work and only minor recommendations were made. These were related to some of the furniture which was not quite straight due to wood deformation during storage conditions, a few tiny cracks in the cement flooring as a result of the quality of sand available locally, and regarding the angle of the urinal's canalisation to ensure rapid drainage of urine. A simple ceremony for the handing over of the keys was held, involving thank-you speeches. Necessary modifications were made afterwards.

Some materials were left for the school to use, including spades and shovels, metal barrels, jerry-cans and a wheelbarrow.



Figure 6: The official handing-over of the keys to the Tomalaza School (between the headmaster of Sahambavy Secondary School & the teacher designated responsible for the school's annexe in Tomalaza).

The Maintenance and Repairs Committee « CER » plays an important role in ensuring the sustainability of the school building, furniture and impluvium. This committee is led by 2 members of the parents association who are knowledgeable in building work, and regroups a teacher representative as well as one student per class. It works closely with the head-teacher and the president of the parents' association. The community are hence responsible for maintenance and repairs after the handing-over of the keys to the new buildings. Students are trained to report any defect to the head-teacher, who then reports this to a member of the « CER », who will plan its reparation. A tool kit is provided to the « CER » in order to make repairs.

Included in the contract signed between the school and Feedback Madagascar-Ny Tanintsika, the head-teacher is required to send annual reports of progress within the school which also includes any repairs carried out.

Features of the new school building are as follows:

- One building of 3 classrooms, measuring 21.88m x 7.94m x 4.4m in total.
- Stone foundations and brick walls with a reinforced concrete structure.
- Cement rendering on inside and outside walls.
- Cyclone-proof tin roofing.
- Double metal doors with hooks to hold them open on the outside.
- Each classroom with 3 windows. Windows with glass panes, opening to the inside with protection grill on the outside.
- Front and back guttering linking to a 7m³ water tank serving as a hand-washing station to the side of the building, connected to 3 taps. This is located between the latrines and the school to promote hand-washing at key moments. The tank is equipped with a manhole cover on the top and steps (between the tank and the school building) to be able to reach and refill during the dry season.
- Two-tone colouring (interior and exterior); oil paint at the base to protect from dirt and water-based paint higher-up.
- Wooden pine ceiling (of classrooms and veranda) painted with oil paint.
- Concrete blackboard with concrete chalkboard and raised stage for the teacher and their desk.
- Concrete flooring.
- In-built shelving in each classroom, lockable with a wooden door to store books / materials or supplies.
- A sanitation block composed of three-compartment washable and 'fly-proof' latrines (long-drop toilets 6 metres deep) with separate girls/boys urinal behind. The urinals are roofed to prevent rainwater from entering the toilets (risk of damage in the cyclone season) with urine channelled directly into the latrine pit.
- 48 school desks with integrated benches (16 in each classroom), 3 tables and 3 chairs for teachers.
- Provision of a tools kit for the school maintenance and repairs committee, who are a new structure put-in-place to improve maintenance of the infrastructure.



Figure 7: Inside one of the Tomalaza School classrooms.



Figure 8: View of the sanitation block at the Tomalaza Secondary School with the school & impluvium behind (before installation of the guttering).



Figure 9: The 'impluvium' rainwater catchment tank & hand-washing station.



Figure 10: View of Antaribilava village showing the new Tomalaza Secondary School.

Project beneficiaries

The school pupils and 7 teachers are the main direct beneficiaries of this new school building. For this school year (2016-17) pupil numbers are as follows:

Year of Secondary School	F	M	Total
6 th	18	13	31
5 th	16	14	30
4 th	18	13	31
3 rd	15	13	28
TOTAL:	67	53	120

Of the 7 teachers, only 3 are civil servants. The remaining 4 teachers are purely supported by the parents' association.

Families of these pupils as well as all of the Ankazondrano neighbourhood, numbering 2,041 are indirect beneficiaries (2016 census).



Figure 11: Guttering installed at Tomalaza Secondary School.



Figure 11: Installation of the sign at the Tomalaza Secondary School (mentioning the donor name & with the slogan 'Education is the best inheritance you can give').



Figure 12: Dadah (in charge of overseeing building work) gives the 'thumbs up' to the new school!



Figure 13: Panoramic view of the Secondary School's new and old building, as well as an additional construction that the community have been motivated to build!

Expenditure summary

Items	Budget (£)	Funds received (MGA)	Expenditure (£)	Difference with amount received (£)	Explanation for difference
Materials for the new school buildings (3 classrooms), Latrines/ urinal & Hand-washing unit	8,836	34,022,107.34	38,457,390.00	- 4,435,282.66	Difference is due to the significant change in exchange rates since the proposal was sent (3,891 MGA to the £ instead of 4,400 MGA budgeted).
School furniture (not including transport costs)	622	2,394,382.31	2,345,428.00	48,954.31	
Transport costs (building materials and furniture)	1,250	4,813,268.54	5,507,000.00	- 693,731.46	
Labour costs	2,495	9,609,034.28	10,460,000.00	- 850,965.72	
Monitoring & evaluation costs	417	1,604,422.85	1,522,435.56	81,987.29	
Administration/ overheads (7%)	1,028	3,959,342.19	4,745,051.89	- 785,709.70	
Total	14,648	56,402,558	63,037,305	- 6,634,748	



Figure 14: Some of the students and a teacher at the Tomalaza Secondary School delighted with their improved environment.

Current situation

	Situation pre-project	Expected situation post-project	Real situation post-project
Number of existing parent-built classrooms	3 classrooms in a poor state (with thatched roof).	5 classrooms (3 new classrooms and 2 existing classrooms). This is needed for the 5 different classes. On average 20 pupils per classroom.	6 classrooms (3 new classrooms and 3 existing classrooms) exist already. Another classroom is under construction by the parents' association, so they will have 7 in total.
Number of classrooms currently borrowed	Rooms are borrowed from the primary school.	No classrooms will be borrowed in future.	No classrooms are borrowed.
School office	None	1 of the existing classrooms will be used as a school office.	One room for a school office is currently under construction by the parents' association.
WASH (Water – Sanitation – Hygiene)	No latrines. No hand-washing unit. Water for drinking is fetched from an unprotected spring.	Sanitation block of 3-compartment latrines and boys/girls urinals will be built, along with a hand-washing unit. Co-funding will be used to supply the school with water filters for drinking water, and the potential of drilling a borehole/installing a hand-pump will be investigated.	Sanitation block of 3-compartment latrines and boys/girls urinals will be built, along with a hand-washing unit. A tap-stand was installed to link the school to the gravity-fed water supply system.

Conclusion

This project was very rapid, with building work lasting just 55 days, due to the impressive solidarity between villagers in this community, the good weather conditions and the absence of problems. The President of the Association of students' parents was particularly dynamic and organised, ensuring that the population of the 5 villages in the Ankazondrano neighbourhood each took it in turn to work and supply local materials. The COST committee also fixed the objective that the school would be operational at the start of the New Year 2017. This objective was met, with just some finishing touches completed in 2017. An additional benefit of this project was that, through it, the school has also been provided with a tap-stand for clean drinking water – which will help to reduce diarrhoeal disease and raise attendance levels at school. The project has also motivated the parents' association to continue their efforts by building an additional school building to serve as a school office and additional classroom.

Thanks so much to the Eagle Foundation for funding this project!



Figure 15: A big thank-you from everyone in Tomalaza!



Figure 16: The President of the Parents' Association overjoyed at completion of the Tomalaza Secondary School.



Figure 17: Posterior view of the Tomalaza Secondary School



Figure 18: Front view of the sanitation block for Tomalaza Secondary School (with the Primary School in the background).

Thank-you letter from the community & school

Translation: "We, the parents of students at the Tomalaza Secondary School, the teachers and the Ankazondrano neighbourhood chief, present our sincere thanks to you Eagle Foundation & the NGO Ny Tanintsika for responding to our request for help to build & equip a school, including the toilets, rainwater catchment system and taps. We are ready & motivated to monitor & properly manage the infrastructure to ensure it lasts." (Signed by the mayor, parents' association members, teachers & neighbourhood chief).

REPUBLIKAN'I MADAGASIKARA.

Fitiaiana - Tanindrazana - Fandrosoana.

DREN : MATSIATRA AMBONG.

CISCO : LALANGINA

ZAP : SAMBAVY.

CEG : TOMALAZA

Alifa amin-

EAGLE FONDATION sy ny

ONG NY TANINTSIKA.

ANTONY : FISAORANA.

Izahay FRAM eto amin'ny CEG TOMALAZA,
Ny MPAMPIANATRA, Ny SEFO FOKOTANY eto amin'ny
Fohotany Ankazondrano dia manolotra fisaorana
feno anarana "EAGLE FONDATION" sy ny "ONG NY TANIN-
TSIKA" noho ny famalianarana ny hataketanay sy ny
Vahoaka mpahazo tombotsoa eto amin'ny Fohotany
Ankazondrano, tamin'ny fanorenana fotodrafitry
asa "SEKOLY" sy ireo fitaovana ao aminy, "LAMPIRINGA",
"FANANGONAN-DRANO" sy "MPROMPY" eto amin'ny CEG
TOMALAZA.



Vorona izahay amin'ny faneraha - mase sy
fitantanana ary fampaharetana ny foto-drafitry'asa
ary mirary ny hataketan'izany.
Tomalaza Amis 23.12.17.

NY FRAM

Rakotozafy Louis
Rakotozafy Remi
Razafy Jek
Razafimanana Roger



NY MPAMPIANATRA

RANAMONJY Andriatsahona
Rato amampionona Jeanette
RANANISINJANA Miti Chitima
RASOARIMANANA Olivier.

NY SEFO FOKOTANY



KAKAMISY TSIMBAZAFY

Thank-you letter from the local authorities

Translation: "We, the Mayor and all his colleagues at the Sahambavy rural municipality, offer our immense thanks to you the Eagle Foundation & Ny Tanintsika for having responded to the parents' association request for help. We, the beneficiaries of this school infrastructure (classrooms, latrines and impluvium) promise to take care of it to ensure its sustainability, and we will encourage children to continue their studies in line with national objectives". (Signed by the deputy mayor and the municipality WASH agent).

REPUBLIKAN' I MADAGASIKARA,

Fitawana. Tamin' hazana. Fandrosana.

Kominina Ambanivohitra Sahambavy,
Distika Lalangeni
Faritra. Ratriatna Bombony
MADAGASIKARA

EAGLE FOUNDATION & Ny
ONG. NY TANINTSIKA.
TANORANTSON

ANTONY: FISADRAMA.

Izaho, Ben' ny Tanana & ny Rpiara-miara.
Zehete. eto amin' ny. Kominina. Ambanivohitra Sahambavy,
dia manolotra fisearana feno anoro EAGLE FOUNDATION.
& ny ONG. NY TANINTSIKA noho ny fameliana ny hetahe.
Famoy. & ny vakroba. any indrindra ny FRON. & ny Rpiara.
ho ato, amin' ny C.E.C. FANOLAZA Sahambavy,
Izay manolotra amin' ny Fanoanana ny fotoh-
fih'ana Sekoly. & ny. We. letime any. ny. fitahirizana Rato,
RADIV.

Vonona izaho ny hikorokora & hikorokora io.
fotoh'fih'ana io hamperage azy. any hamperage hahany
ies Ankiizy. hahany. ny fanoanana aroba ny Famoy' ny,
Fanohezam-piainana.

Sahambavy. 02-03-2017.

