



The Feedback Trust
Scottish Charity No. SC023568

**Construction of two new school buildings for the
Ambohimanga-du-sud Lycée in Madagascar
(FF 00416/13)**

Final report

March 2018

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

Contents

Introduction.....	4
Calendar of achievements.....	6
Details on the project.....	6
Project beneficiaries.....	14
Expenditure summary	15
Current situation	15
Conclusion	16
Photos showing the evolution of the building work	17
Technical acceptance of works.....	20
Thank-you letter from the community & school.....	21
Thank-you letter from the district education authorities	22
Figure 1: Map locating Ambohimanga du Sud Lycée in relation to the capital city Antananarivo & FBM/NT's regional office in Fianarantsoa.	4
Figure 2: Map showing where the road is from Fianarantsoa via Ifanadiana to Ambohimanga du sud Lycée. .	5
Figure 3: Map showing Ambohimanga du sud Lycée and village (Google Earth imagery date 28/6/2016).	5
Figure 4: Marking out the foundations	7
Figure 5: The MP for Ifanadiana district laying the first stone for the foundations.....	7
Figure 6: A blessing and speeches at the ceremony to lay the school's foundations.....	8
Figure 7: Community members clearing land in preparation for their new school (August 2017).	8
Figure 8: Community working to improve the road to the building site (left) & (right) building the storeroom and builders' housing.	9
Figure 9: Levelling the land (left) and carrying stones to the building site (right).	9
Figure 10: The storeroom for the building project.....	9
Figure 11: Handing-over the keys. From left to right: Representatives from FBM-NT (Aina & Harilala), the President of the parents' association, the representative of the district education authorities, and the deputy head-teacher.	10
Figure 12: The completed school: Ambohimanga du sud Lycée.....	11
Figure 13: Ambohimanga du sud new school buildings.....	12
Figure 14: Checking the quality of work on the 22nd December 2017.....	12
Figure 15: The sanitation block with urinals.	13
Figure 16: The rainwater catchment system with tap-stands for hand-washing.	13
Figure 17: Inspection of the interior of the classrooms.	13
Figure 18: Students outside the mayor's office (above), a previous makeshift classroom (below left) & in front of their new school (below right).	14
Figure 19: Sign on the new school with messages to look after this community infrastructure, and that education is the best form of inheritance you can provide to your children.	15
Figure 20: Happy beneficiaries in front of their new school.	16
Figure 21: Photos taken on the 30th November 2017.....	17

Figure 22: Challenges of travelling to Ambohimanga du sud!	19
--	----

Introduction

The Eagle Foundation agreed to fund a total of £49,519 for the project to construct a new school building for Ambohimanga du sud Lycée (High School) in Ambohimanga du sud rural municipality ('commune'), Ifanadiana district, Vatovavy Fitovinany region, SE Madagascar, Africa. This involved the building of six furnished classrooms, a sanitation block comprising latrines/urinal, and a rainwater harvesting system linked to a hand-washing unit. This village is located 65km by road from Ifanadiana town and 155km from Fianarantsoa town. The school previously had no classrooms of their own, borrowing from the municipality office and the community hall. The community first requested help for the building of additional classrooms in May 2016.

The funding agreement with the Eagle Foundation, dated 4th July 2017, was signed by the FBM UK administrator and the funds were received in the UK bank account on the 4th August 2017. This amounted to 184,807,931 MGA after transfer to Madagascar. The expected period of the project was from July 2017 to January 2018.

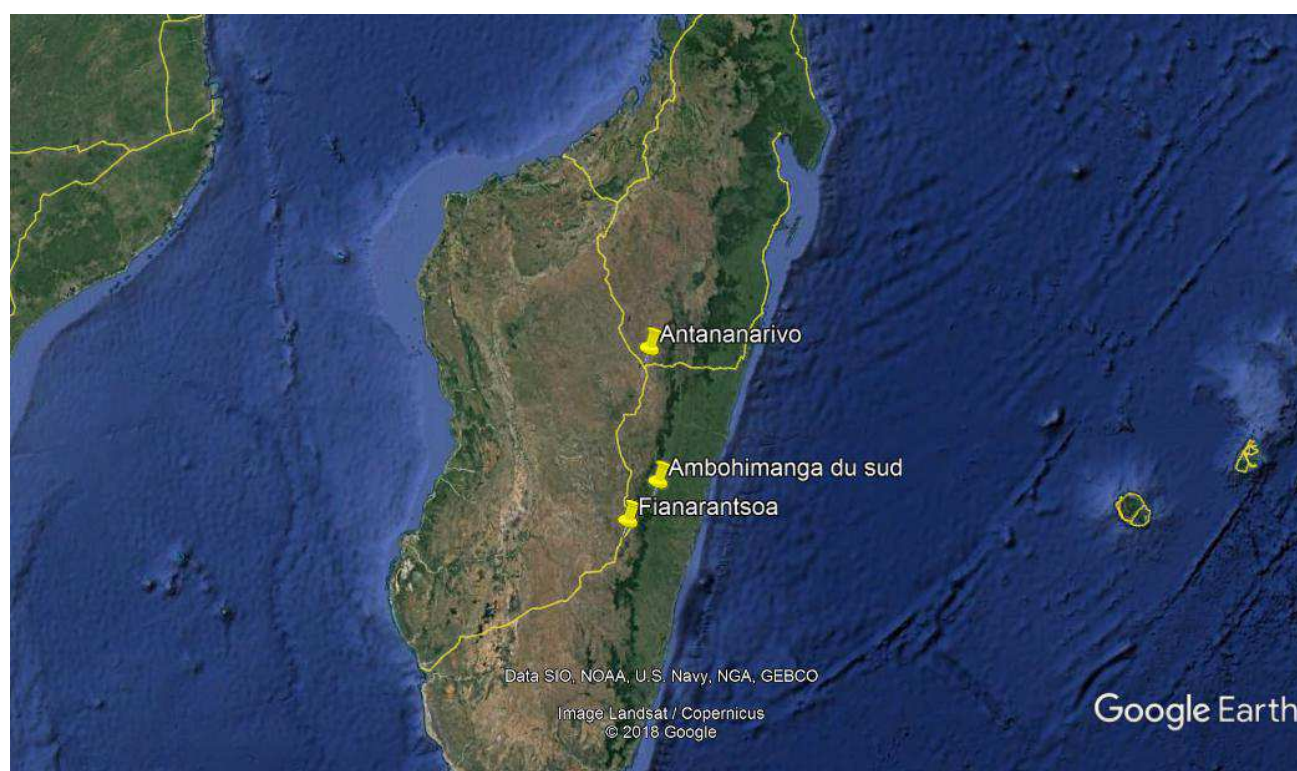


Figure 1: Map locating Ambohimanga du Sud Lycée in relation to the capital city Antananarivo & FBM/NT's regional office in Fianarantsoa.

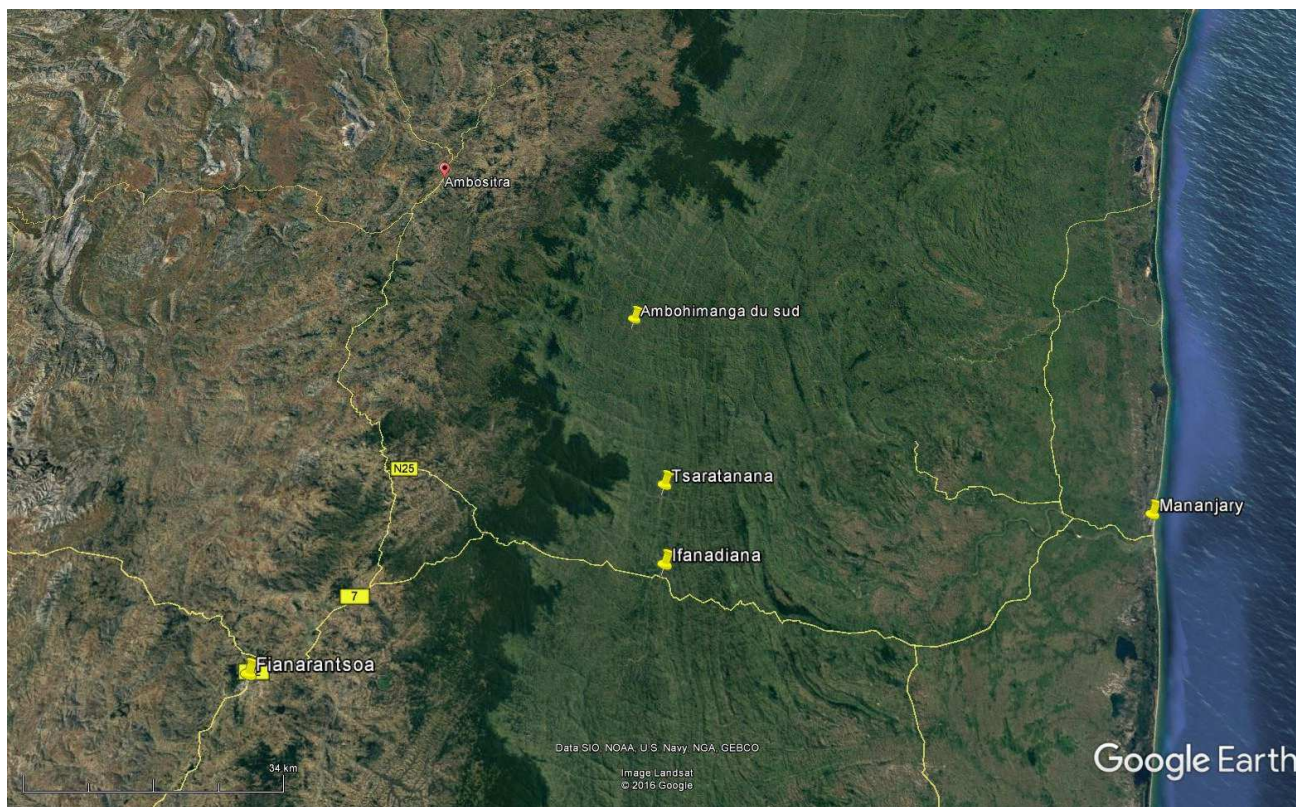


Figure 2: Map showing where the road is from Fianarantsoa via Ifanadiana to Ambohimanga du sud Lycée.

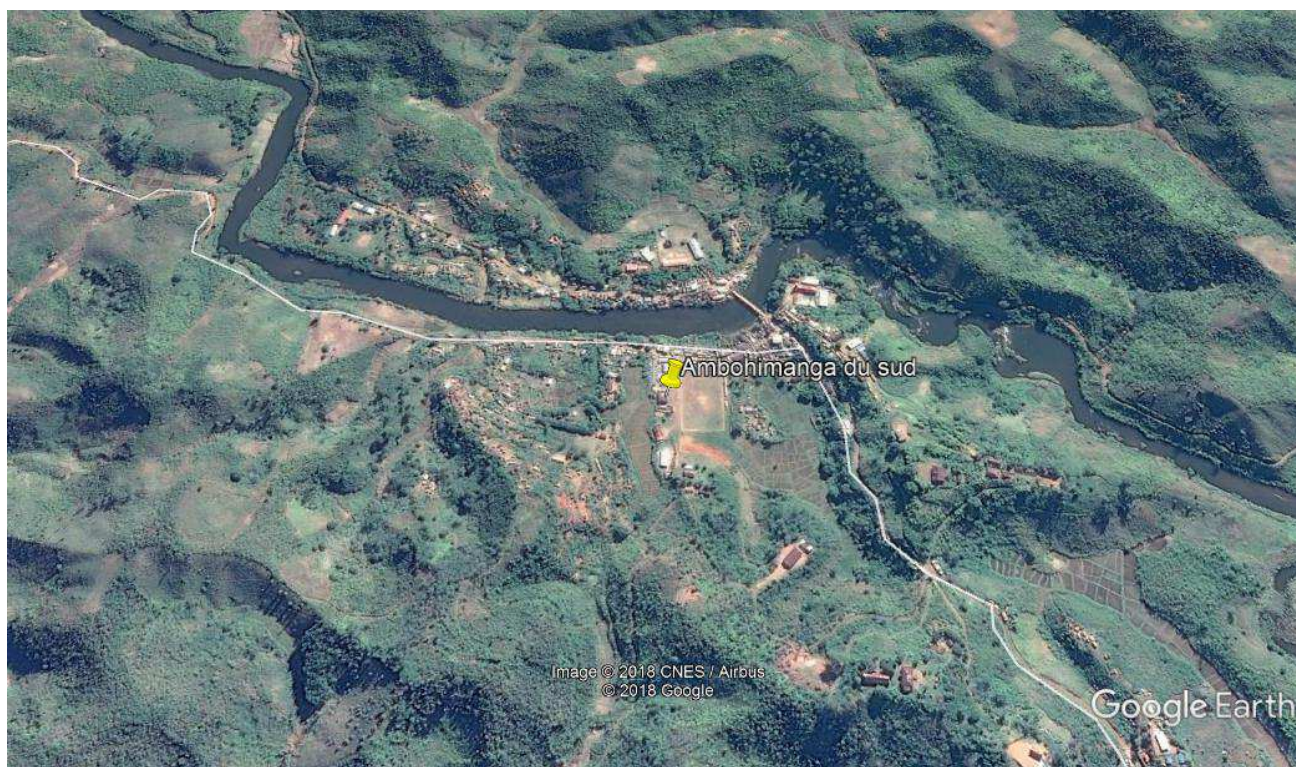


Figure 3: Map showing Ambohimanga du sud Lycée and village (Google Earth imagery date 28/6/2016).

Latitude: 20°52'40.86"S Longitude: 47°35'26.15"E

Calendar of achievements

Activity	2017					
	July	Aug	Sept	Oct	Nov	Dec
Information letter sent to the local authorities and partners concerned with the project.						
Initial meeting in Ambohimanga du sud to sign the agreement setting out each stakeholders' roles and responsibilities in the project, to identify the storerooms & to develop an action plan regarding local materials & transport of materials.						
Negotiation & contracting of teams to break building stones & gravel, to make the cement breezeblocks & the transporter of materials from Fianarantsoa to Ifanadiana, and from Ifanadiana to site.						
Meeting with the community and association of pupils' parents to elect members of the local committee to oversee & monitor work ('COST'), and their training.						
Ordering of equipment required, including doors & windows, furniture, etc.						
Recruiting of storekeeper & community mobilisation agent to work in Ambohimanga du sud, & storekeeper for Ifanadiana.						
Procurement and transport of materials & equipment to site.						
Contracting of builders for the project.						
Community preparation of the land for the building (removal of vegetation, levelling).						
Installation of the builder's team at site.						
Foundations ceremony on the 22/9/2017 and start of laying foundations.						
Building work (school, impluvium and sanitation block).						
Regular monitoring of work and achievement of community contributions.						
Delivery of school furniture						
Technical acceptance of works on the 21 st December 2017.						
Election of members of the school maintenance & repairs committee ('CER').						
Training of members of the school maintenance & repairs committee ('CER') & provision of tool kit.						

Details on the project

As soon as news was received regarding the acceptance of this project, meetings were held to organise the supply of materials required. In particular, the cement needed to make the breezeblocks was sent in advance. Numerous logistical arrangements were required since all materials had to be first unloaded and stored in a half-way point in Ifanadiana before being taken by tractor to their final destination. Ambohimanga du sud is located in an extremely remote area with only a tractor once or twice a week from Ifanadiana. FBM-NT team members had to either travel by tractor or motorbike to access the area. Despite

the hugely challenging accessibility of the Ambohimanga Lycée, the supply of materials from Fianarantsoa arrived on time.

The 'COST' committee was created to oversee and monitor work at the school, particularly in relation to the achievement of community contributions. Committee members were trained up before the first delivery of materials to site, to ensure the smooth reception of materials by them and the storekeeper. The COST committee was responsible for watching over work progress 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.

Work to make gravel and stones started the last week of July, whilst fabrication of cement breezeblocks was carried out between the 1st and the 20th September 2017.

The initial foundations ceremony on the 22nd September 2017 was attended by a large delegation of authorities from the local and district-levels; the Member of Parliament for Ifanadiana, a representative from the district educational authorities, the mayor and deputy mayor of Ambohimanga du sud municipality, the head of education of Ambohimanga du sud municipality, the chiefs of all 23 neighbourhoods, the head-teacher of Ambohimanga du sud Lycée, traditional authorities, teachers, pupils, their parents and the community. The foundations ceremony started with the king thanking the ancestors and asking for their blessing for the project. Then all the community all participated in digging the channels for the foundations.



Figure 4: Marking out the foundations



Figure 5: The MP for Ifanadiana district laying the first stone for the foundations.



Figure 6: A blessing and speeches at the ceremony to lay the school's foundations.

The following were community contributions to the project:

- Levelling the land.
- Housing the builders and providing the storeroom; the beneficiary community built two houses especially for this purpose near to the building site.
- Unskilled labour – around 10 labourers per day helped to fetch water required during building, assist the builders, unload materials, carry sand and materials, and other needs.
- A third of the required building stones and gravel.
- Round wood (for scaffolding).
- Planting a hedge around the school grounds using the plant Hasina or “*dracaëna*”.



Figure 7: Community members clearing land in preparation for their new school (August 2017).



Figure 8: Community working to improve the road to the building site (left) & (right) building the storeroom and builders' housing.



Figure 9: Levelling the land (left) and carrying stones to the building site (right).



Figure 10: The storeroom for the building project.

Building work at Ambohimanga du sud Lycée was slowed by frequent rains and difficulties in the organisation of beneficiary contributions to the project. There were delays in the supply of gravel, stones and sand, and the number of labourers that came on a daily basis was lower than required. Regular field trips were carried out to provide support to resolving these supply and organisational issues. None-the-less, the COST members showed proof of determination and work was completed by the 20th December 2017. The acceptance of works ceremony was held the following day with representatives from FBM-NT, the education authorities (municipality and district levels), the Mayor and his colleagues, teachers, students, parents and the local population.

The only remarks made concerning the quality of work were to request a few touch-ups of white paint in two of the classrooms and a couple of suggestions (for future projects) to install hooks to keep windows open on the interior, to make teachers' tables larger and the podium wider. The rectifications to the paintwork were carried out. Various speeches were made to thank FBM-NT and the Eagle Foundation for supporting this project, as well as to the builders, local committee members and local community, before the keys were officially handed-over to the school.



Figure 11: Handing-over the keys. From left to right: Representatives from FBM-NT (Aina & Harilala), the President of the parents' association, the representative of the district education authorities, and the deputy head-teacher.

The Maintenance and Repairs Committee « CER » plays an important role for the sustainability of the school building, furniture, impluvium and sanitary block. 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 pupil 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. Pupils 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.



Figure 12: The completed school: Ambohimanga du sud Lycée.

Features of the new school building are as follows:

- Two buildings with 6 classrooms, measuring 22.5m x 8m x 4.69m in total (height of the gable 1.4m).
- Stone foundations (depth 60cm, width 50cm) and cement breezeblock walls with a reinforced concrete structure. Each breezeblock measures 15 x 20 x 40cm.
- Cement rendering on inside and outside walls (2cm thick).
- Cyclone-proof tin roofing (sheeting thickness 4/10).
- Double metal doors with hooks to hold them open on the outside, and each closed with 2 padlocks.
- Each classroom with 3 windows dimensions 1.8 x 1.2m. Windows with glass panes, opening to the inside with protection grill on the outside. Awnings to protect the posterior windows from the rain. Additional aeration above windows in each classroom.
- Reinforced concrete front and back guttering (integrated into the building design) links to a 7m³ water tank serving as a hand-washing station to the side of the building, which has 3 taps. This is located between the latrines and the school to promote hand-washing at key moments. The tank is equipped with a lockable 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. The first rainwater (which would bring the dirt from the roof) is diverted from entering the tank via two PVC downpipes with removable stopper at the bottom.
- Two-tone colouring of school and sanitary block (interior and exterior); oil paint at the base up until a height of 1.5 metres to protect from dirt, and water-based paint higher-up.
- Cement ceilings (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 (1.8 x 0.6 x 0.5 metres) in each classroom made of cement breezeblocks, 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 with a hole at least 4 metres deep) with separate girls/boys urinal behind. The urinals are roofed to prevent rainwater from entering the toilets (which might cause damage in the cyclone season) as urine is channelled directly into the latrine pit.
- 96 school desks with integrated benches (16 in each classroom), 6 tables and 6 chairs for teachers.
- Provision of a tools kit for the school maintenance and repairs committee (CER), who are a new structure put-in-place to improve maintenance of the infrastructure.



Figure 13: Ambohimanga du sud new school buildings.



Figure 14: Checking the quality of work on the 22nd December 2017.





Figure 15: The sanitation block with urinals.



Figure 16: The rainwater catchment system with tap-stands for hand-washing.



Figure 17: Inspection of the interior of the classrooms.

Project beneficiaries

The 126 school students and 11 teachers are the main direct beneficiaries of this new school building for this school year (2017-18). Details of pupil numbers are as follows:

Class	2015-2016	2016-2017	2017-2018
Seconde	120	25	38
Première "A"	60	52	25
Première "D"	00	00	04
Terminale "A"	23	33	55
Terminale "D"	00	00	04
Total	203	110	126

The number of students is expected to rise dramatically as from the next school year as a result of the existence of this new infrastructure.

Of the 11 teachers, 7 are civil servants (who teach at the high school level) whilst 5 teachers are purely supported by the parents' association. In addition there are 4 administrative personnel: 1 watchman, 1 secretary and 2 supervisors.

Indirect beneficiaries include the population of Ambohimanga du sud village (32,635), divided into 23 neighbourhoods. The Ambohimanga du sud Lycée is the only 'lycée' (high school or college) serving the 7 municipalities in the area surrounding Ambohimanga du sud, including 9 secondary schools and 149 primary schools.



Figure 18: Students outside the mayor's office (above), a previous makeshift classroom (below left) & in front of their new school (below right).



Expenditure summary

Items	Budget (£)	Funds received (MGA)	Expenditure (£)	Difference with amount received (£)
Materials for the new school buildings (6 classrooms), Latrines/ urinal & Hand-washing unit	22,654	84,546,170.72	22,400.53	20
Transport costs (building materials and furniture)	12,917	48,205,586.16	12,758.20	25
Labour costs	7,938	29,623,110.21	7,494.80	361
School furniture (not including transport costs)	1,658	6,188,975.26	1,442.06	199
Monitoring & evaluation costs	960	3,582,763.57	968.90	-19
Administration/ overheads	3,393	12,661,324.72	3,352.12	5
Total	49,519	184,807,930.62	48,416.62	591



Figure 19: Sign on the new school with messages to look after this community infrastructure, and that education is the best form of inheritance you can provide to your children.

Current situation

	Situation pre-project	Expected situation post-project	Real situation post-project
Number of existing parent-built classrooms	None	Six new classrooms will be built.	There are six new classrooms available and in use.
Number of classrooms currently borrowed	The meeting room & another two rooms at the previous municipality office, and the community hall are all	The lycée will no longer need to borrow classrooms.	The lycée no longer needs to borrow classrooms.

	Situation pre-project	Expected situation post-project	Real situation post-project
	currently borrowed. These areas are very noisy.		
School office	Borrowed from the previous municipality office.	The parent's association will endeavour to build a school office (as well as a library/ teachers room).	A school office is currently being built by the parent's association.
WASH (Water – Sanitation – Hygiene)	None (borrowed).	A sanitation block of 5-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.	The latrines and hand washing unit was built. The installation of a borehole, installed with a hand-pump, is planning for June 2018 with funding from the Adsum Foundation. Water filters will be provided when Ny Tanintsika acquires them.

Conclusion

Despite the numerous challenges encountered during this project, in particular the school's remoteness, bad weather and difficulties with community organisation, the Ambohimanga Lycée project was a big success. Students' motivation was particularly evident in their active participation to contribute to the project's success through helping to carry sand and gravel. Everybody is confident that this project will contribute to improving exam results and reducing poverty in this area.

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



Figure 20: Happy beneficiaries in front of their new school.

Photos showing the evolution of the building work



Figure 21: Photos taken on the 30th November 2017







Figure 22: Challenges of travelling to Ambohimanga du sud!



Technical acceptance of works

PROCES VERBAL DE RECEPTION PROVISOIRE DES TRAVAUX

Projet de : Construction des deux bâtiments scolaire

PV DE RECEPTION PROVISOIRE

Maître d'ouvrage :

Financement: Eagle Foundation

Maitre d'ouvrage délégué : ONG Ny Tanintsika

Titulaire : ONG Ny Tanintsika

ETAIENT PRESENTS

- Le Maire de la Commune rurale Ambohimanga du Sud
- L'Adjoint Programmation CESCO Ifanadiana
- Président FRAM Lycée Ambohimanga du Sud
- Le Chef ZAP Ambohimanga du Sud
- L'Adjoint du Président Fokontany Ambohimanga du Sud
- (Représentants de l'ONG Ny Tanintsika)

L'an 2017, le 21 Décembre, une commission composée des membres cités ci-dessus s'est rendue sur le lieu de construction des deux bâtiments scolaire en vue de procéder à la réception Technique provisoire des travaux dudit chantier.

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 :

- Besoin de retouchage de peinture blanche au sol N°2
- Besoin de bonhomme
- Modification des tables des professeurs
- besoin de beaucoup d'espace pour les estrades.

Ont signé

Ny Tanintsika   

Président FRAM  

Mr le Maire  

Mr le Chef CESCO Ifanadiana  

Mr le Chef ZAP  

Mr le Président du Fokontany  

Mr le Proviseur du Lycée  


Prof. CRODYS Armand Prof Philosophie  

Mr Le Président COST  

Mr. Président du FRAM  

Thank-you letter from the community & school

Translation: "The new infrastructure that you provided us has been satisfactorily completed: 2 school buildings for Ambohimanga du sud Lycée each with 3 classrooms and furnished, together with the sanitation block and rainwater catchment system. So we want to thank you, the donors and partners, in the name of all of the population of the six municipalities to the north of the district, for your help and kindness to Malagasy children. We also really hope that our wonderful collaboration will continue, and we are still ready to achieve any necessary contributions required by beneficiaries."



REPUBLIKAN' MADAGASIKARA
Fivavaha - Tanindrazana - Fandrosoana

MINISTRE DE L'EDUCATION NATIONALE

DIRECTION REGIONALE DE L'EDUCATION
NATIONALE DE VATOVAVY FITOVINANY

CIRCONSCRIPTION SCOLAIRE D'IFANADIANA

ZAP : AMBOHIMANGA ATSIMO

Ifanadiana, faha 05 Aprily 2018

NY TALEN'NY LYCEE SY NY FRAM
AMBOHIMANGA ATSIMO

HO AN-


Ramatoa Mpandrindramparitry ny I'ONG Ny
Tanintsika/Feed Back Madagascar/Eagle
Fondation


Tompoko,


Vita soa aman-tsara ankehitriny ny Foto-drafitr'asa izay nanampianareo anay tamin'ny fanorenana trano fianarana miisa roa ary misy efitrano fianarana telo sy fanaka ho enti-mampianatra avy miaraka amin'ny trano fidiovana sy fitahirizana ranon'orana hidiovana ao amin'ny Lycée AMBOHIMANGA ATSIMO ZAP AMBOHIMANGA ATSIMO ; koa tsy hainay ny tsy hisaotra anao sy ireo Mpamatsivola izay mpiara-miombon'antoka aminao amin'ny anaran'ny Vahoakan'ny Kaominina enina aty Avaratra amin'izao faniomezan-tanana sy fahasoaavana ho an'ny Zaza Malagasy izao.


Maniry koa izahay raha maniry ny mbola hitohizan'izao Fiaraha-miasa matotra sy mendrika ary mahomby izao ho an'ny ho avin'ireto Zaza sy Mpianatra fara amandimby ary mbola vonona ny handray ny anjara-birikinay amin'ny alalan'ny fandraisan'anjaran'ny Mpahazo tombontsoa.


Ny Mpahazo Tombontsoa,


 RATOVOHIANAHARY Juby


 RAUBRILANTENAINA H Cousin


 KOTONIRINA Bontjao


 RAZAFINDRATOSOA Pascal J. Paulin


 Razafimanantsoa Iqbal

 RAOVA Celestin


 RAOVA Christian

 RAZAFIVELO Fifi Trivery

 RAZAFIMANANTSOA Talamin




Le Proviseur



LE CHEF DE
ZONE
ADMINISTRATIVE
PÉDAGOGIQUE

RAJEMISON Nestor



ANDRIANANTENAINA

Thank-you letter from the district education authorities



Ifanadiana, le 10 AVR. 2018

Le Chef de la Circonscription Scolaire
Ifanadiana

A

Madame le Coordinatrice de l'ONG Ny
Tanintsika/Feed Back Madagascar/Eagle Fondation

Objet : Lettre de remerciement

Nous, Chef de la Circonscription Scolaire d'Ifanadiana, avons l'honneur de vous présenter mes chaleureux remerciements à l'aboutissement sans incident des infrastructures avec ces équipements de bâtiments du LYCEE AMBOHIMANGA ATSIMO – ZAP AMBOHIMANGA ATSIMO.

Nous souhaiterions la pérennisation de notre collaboration fructueuse pour les biens des enfants et des élèves Malagasy. Nous nous promettrons de porter fort à la participation massive des bénéficiaires.

Le Chef de la Circonscription Scolaire,

ANDRIAMAMPINANINA Honoré
Réalisateur