



**Report from the Jan & Oscar Foundation
on the progress of the project funded by the Eagle Foundation,
namely the implementation of 3 waste banks
in schools in the south of Thailand**

Donor name: Fondation Eagle

Name of Charity and Project: Fondation Jan & Oscar, Education to the Management of Environment by implementation of Waste Banks

Foundation Eagle reference number: FF 0551-34

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Amount: CHF 13'355

Name and exact location of the project: Sinhaï, Lao and Phayam islands in the Andaman sea, Ranong province, Thailand

Period of Project: January 2021 to December 2021

Conversion rate, date & amount in local currency: 5 May 2021, CHF 1= THB 34

As of July 14, 2021,

The Jan & Oscar Foundation, through its Thai social enterprise Ranong Recycle for Environment (RRE), has hired a 24 years old Thai woman from Ranong. Jutamart Naorachan (Bow) is the person in charge of the project to develop waste banks in schools since January 2021. She is assisted in this task by RRE's operations manager, Nirattisai Ponputi (Chay), and by the co-manager of our project in Ranong, Capucine Paour.

Bow contacted several schools in the province, particularly on the islands where the problem of waste management and the impact it has on the population are the strongest. She selected three schools to implement the program and build a waste bank:

- The school of Sinhaï island
- The school of Lao island
- The school of Phayam island

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Process for implementing the Waste Banks programme

The first meetings and workshops were to be held in schools as early as May 2021, Thailand's back-to-school season. But the growing number of covid cases in Thailand has temporarily thwarted our plans. The start of the school year has been postponed to 14 June 2021. While waiting for the reopening of the schools of these islands, we worked on the contents of the educational workshop and kit, we met the teachers in charge of the project, and the constructor who will renovate the building that will hold the waste banks.

After visiting the school and meeting the director and teachers in charge, we received quotations to renovate the building where the waste banks will be implemented. Bow decided to order and pay the material directly at the construction shop, and to organise the deliveries on the islands, to save money from the original quotation. This money will be used to improve the waste bank.

The teachers in charge of the three waste banks and one of the director came to visit the waste bank that we have successfully set up in Khao Niwet school in Ranong. This meeting held on the 21st of June created a good dynamic between the teachers, allowed them to understand how to implement the programme and to see the possibilities it holds.

After signing an MoU with the schools to commit everyone to the project, the renovation of the buildings began. The 3 waste banks are already nearly finished to be renovated. When the renovation is totally finish, each school will have a proper opening, followed by our interventions.

These interventions will take the form of one and a half day workshops. The first half day will be dedicated to informing and sensitizing the students about the effects of pollution and the solutions provided by recycling, through fun lessons and games adapted to the age of the students. The second half-day will consist of a waste collection through a beach clean-up where the children will be equipped and organized in teams to make the collection more fun. These beach cleanups are particularly appropriate for the places we will be visiting, as waste from the sea washes up on the beaches of these islands. The third half-day will consist of learning how to sort the collected waste and how to use the waste bank: which waste is recyclable, which ones are not, and how to dispose of this waste. If time allows, we would also like to organize creative activities using this waste in order to raise awareness of what the children have learned and discovered. Regarding the current situation of the pandemic in Thailand, we have to wait a little before being able to have the workshops. But hopefully they will be held in September.

These workshops will be followed by a 3-month period during which we will analyze how students and teachers continue to be involved in waste collection. This follow-up will make it possible to analyse the commitment of each person and the reasons for the success of the programme, or what is preventing its best development. This will allow us to determine the needs of each school in terms of additional investment - computer, printer, other needs, etc.

Budget

	Estimated budget agreed with Eagle Foundation	Spent as of July 14
On-site manager (project coordinator Bow)	180'000 THB 5'295 CHF	90'000 THB 2'647 CHF
Educational kits	34'000 THB 1'000 CHF	0
Waste bank Koh Sinhai (building material and labor)	45'000 THB 1'325 CHF	31'756 THB 934 CHF
Waste bank Koh Lao (building material and labor)	45'000 THB 1'325 CHF	45'285 THB 1'332 CHF
Waste bank Koh Phayam (building material and labor)	45'000 THB 1'325 CHF	36'401 THB 1'071 CHF
Computers	3x 20'000 THB = 60'000 THB 1'765 CHF	0
Printers	3 x 5'000 THB = 15'000 THB 445 CHF	0
Posters/panels	20'000 THB 590 CHF	0
Offices supplies/booklets	10'000 THB 295 CHF	0
TOTAL	454'000 THB 13'355 CHF	203'442 THB 5'984 CHF

The school of Sinhaï island

[Google map link to Sinhaï island](#)

Koh Sinhai is located 40 minutes by longtail boat from Ranong and RRE. It is mainly inhabited by fishermen. But it has a strong problem of pollution and waste management. A lot of waste is carried by the tide and washes up on its beaches. And the inhabitants have to deal with this problem alone. One of these fishermen, Palinya Chansamout, collects waste in the village and on the beaches, which he has been selling to RRE for over a year. He will be collecting the waste from the school's Waste Bank.

The Sinhai school has 300 students aged between 5 and 15 years. The teaching staff consists of 12 people. Teacher Jongrak is our contact in charge of the project. He is a young teacher who was born and raised in Koh Sinhai. He taught for several years on the mainland before requesting a transfer to his native island. It is important to know that very few teachers want to work on the islands. As a result, island schools are often understaffed. Jongrak made the choice to come back and stay for the long term, which allows us to have a long-term and reliable contact. Having grown up on the island, he fully understands the problem of plastic pollution. He is happy to be able to pass on to children the environmental values he feels strongly about.



Bow and Kru Jongrak



Kru Jongrak and Bow on Sinhaï pier

The building that will house the waste bank consists of old sanitary facilities and therefore needed to be properly renovated, including the opening of windows to make it more welcoming.



The building before the renovation



The future Waste Bank after renovation

The waste bank is nearly finished! The electricity needs to be properly fixed. Teacher Jomrak will decorate the outside of the waste bank using paint. Cashier and fishnets bags will be made to separate the waste collected. We will also use the money left to buy a small cart that will allow the teacher to carry the waste to the pier where Palinya will load it on his boat to bring it to our recycling center. There is indeed no road nor car on Koh Sinhaï, so it is not that easy to carry a big volume only with a motorbike or a bicycle.

The school of Lao island

[Google map link to the school of Lao island](#)

Koh Lao is an island located 20 minutes by longtail boat from Ranong city and our plastic collection center. There are two villages there: a village with a Muslim majority, and a Moken village.

The school is located close to the Muslim village. There are 62 students, including 30 Moken, aged 5 to 12 years. The Moken village is located on another part of the island. Thus the Moken kids come to school by bus-boat. The teacher and assistant principal of the school, Leem, was our contact for the waste bank program. Unfortunately he had to leave the school and was replaced by Kru Pat, who is equally enthusiastic about the project.

We already have collectors bringing plastic from Lao island to our center RRE. They will be able to take care of the transportation of the waste collected in the waste bank. Moreover, RRE employs several young adult Mokens from this same community to sort the plastic and assist the managers in the management tasks. These workers will be able to get involved in the educational program, in order to create even more enthusiasm from the children in their community.



Bow from RRE and teacher Leem



Students of Lao school

The waste bank will be housed in an old two-room building next to the school, which is being renovated by a local artisan





The building is still under renovation. Many tiles on the roof needed to be replaced. And a roof was built in front of the building to protect the children from the sun and the rain. A door was put where there was none so the teachers can lock the building when it has waste inside. The building will be emptied, and painted inside and outside. The new roof:



The school of Phayam island

[Google map link to the school of Phayam island](#)

Phayam is an island located 40 minutes away from Ranong by speedboat, and 2 hours by longtail boat. It is an island inhabited by a very heterogeneous community, composed of Thai, Moken, Burmese and Westerners. It welcomes many Thai and foreign tourists, mainly during the dry season, from October to May. For the year 2021, the school will receive 125 students from these various communities, aged from 3 to 12 years old.

The school director, Kru Da, and the teacher Toey, will be in charge of the project. Their motivation for this project is strong. They both came to visit the Khao Niwet school waste bank to learn more about the success of the project.

The main collector of plastic on Phayam island, Khun Wat, agreed on transporting the waste collected by the school to the mainland.



Kru Toey, Kru Da, Bow and Capucine in front of Phayam school



Bow, Kru Da and Kru Toey next to the future Waste Bank

The waste bank will be located in a former mushroom farm, which has been renovated by a local builder.



The building of the future Waste Bank



Cement was put on the floor and the wall. They painted the inside and outside of the WB and added a grid. They also built containers to be able to stock and separate the waste easily. This week we will go check the renovation and see with the teachers what improvements can be made.

Appendix 1 - Waste banks quotation by constructor (in THB)

Sinhai Waste Bank - quotation from the constructor

lists and labor for repairing the waste bank room Ban Ko Sin Hai School

No.	lists	amount	Price	total	note
1	Cement	25 sacks	150	3750	
2	Block bricks	50 blocks	5	250	
3	Steel bar 2	10 lines	50	500	
4	watercolor paint	2 Box	1300	2600	
5	Frame + door size 80 x 180 cm.	1 Set	3500	3500	
6	Floor tiles 30 x 30	20 Box	140	2800	
7	Steel binding wire	1 Kg	50	50	
8	Paint roller	2 piece	50	100	
9	Sand + shipping	2 round	1200	2400	
10	Roof tile (insert sheet)	2	280	560	
11	Boat Shipping cost		3500	3500	
12	Salary		15000	15000	
	total			35,010	

Lao Waste Bank - quotation from the constructor

items and wages

Contractor for repairs and additions to the front yard of the room, garbage bank plant

Ban Koh Lao School

No.	Item	amount	Price	total
1.	cement	25 sacks	150	3750
2.	brick beam	20 brick	15	750
3.	Wire Mesh Steel Grating	1 pieces	3500	3500
4.	house paint	2 buckets	1300	2600
5.	Door 80 x 180 cm	2 door	1500	3000
6.	cement pillar 3 m.	3 pillar	500	2000
7.	roof beam	10 pieces	400	4000
8.	paint roller	2 pieces	50	100
9.	sand + transport	2 round	1200	2400
10.	clear tile roof	2 pieces	280	560
11.	stone + transport	2 round	1300	2600
12.	transport	7 round	500	3500
13	Salary		15000	15000
			Total	43760

Appendix 2 - Construction material bought for the renovation of the WB (in THB)

Sinhai Island School			
cement	25 Sack	137	3425
Brick	50 Brick	6	300
Steel Round Bar	10 Steel	64	640
wooden door frame	1 Door	1090	1090
Door	1 Door	1590	1590
wooden window frame	2 window	950	1900
clear roof	2 roof	245	490
Sand	70 Bag	25	1750
wire	1 Kg	45	45
paint roller 10 in	2 rolle	59	118
exterior paint colours	2 Bucket	980	1960
window frame 70*100	1 frame	950	950
window	1 window	690	690
window hinge	4 piece	15	60
Door hinge	4 piece	20	80
window bolt	4 piece	10	40
Door bolt	1 piece	12	12
hasp U lock Door	1	25	25
hook	2	8	16
door handle	3	25	75
total		15256	

Lao Island School

roof tile	45 roof	29	1305
cement	20 Bag	137	2740
Brick	30 brick	15	450
Steel Wire Mesh 2x25 m.	1 roll	1470	1475
exterior paint colours	2 Bucket	980	1960
Wood Door 80x180x3"	2 Door	1290	2580
cement pillar 4x3 m.	4 Pilar	585	2340
Sand	60 sack bag	25	1500
Rock	60 sack bag	40	2400
Steel CG5 * 2.3 mm	2 Steel	985	1970
Steel CG5 * 1.4 mm	6 Steel	525	3150
Steel CG5 * 1.2 mm	10 Steel	415	4150
drill bit screw	1 Box	185	185
paint roller	2 roller	59	118
clear roof	2 roof	245	490
door knob	2 Piece	25	50
stainless steel hinge	2 Piece	125	250
Lock door	1 Piece	35	35
Key lock	1 Piece	129	129
welding wire	1 Box	145	145
hook C	94 Piece	4.5	423
nut	80 gram	100	80
roof tile	20 roof	29	580
Hook for roof	40 Piece	4.5	180
		total	28685

Phayam Island School

cement	15 Sack	137	2055
Steel Round Bar	6 Steel	64	384
Solf Sand	50 Bag	45	2250
Rock	50 Bag	40	2000
Sand	100 Bag	25	2500
galvanized steel pipe	15 pipe	415	6225
steel mesh 1.50x10 m.	2 roll	1690	3380
anti-rust paint	1 Kg	495	495
welding wire 2.6 KOBE	1 Box	145	145
exterior paint colours	1 Bucket	980	980
Thinner	1 Bucket	135	135
steel boots	6 Piece	25	150
Knitted mesh	1 Piece	1690	1690
steel	8 steel	64	512

total	22901
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Appendix 3 - Total costs for the Waste Banks (in THB)

total cost building waste Bank					
School	materials	Constructor		Transportation	total
Lao	28685	3750	11250	1600	45285
Sinhai	15256	5000	10000	1500	31756
Phayam	22901	2500	7500	3500	36401
Total	66842	40000		6600	113442