



Cambodia IATSS Alumni Association

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Report on

“Project Cooling Cambodia Phase 5” On October 15th, 2016 at Kdeyrun Primary School, Pourk District, Siem Reap province.

I. Project Background

In 2011, 48th batch participants, Ms Theary TITH (Jamie) and Ms Sotheany LAY (Theany), have brought back the idea of Cooling Project, which as a joint discussion amongst other participants in Japan up on combating environmental issues particularly on climate change.

This Project Cooling Cambodia phase 5 is organized by Cambodia IATSS Alumni Association (CIAA) and associated with International Association of Traffic and Safety Sciences (IATSS) Forum – Japan. Project Cooling Cambodia is initiated to educate the young generation how important their daily activities impact the global environment. Specifically, we would like to raise the awareness of electricity consumption in urban households and its implications. Moreover, we also wish to provide some useful tactics to those young children is play very importance role to contribute the knowledge and will be change their mind-set for their positive behaviors toward environment.

The project has been successfully conducted fifth phase already and now we are pleased to announce the six series of the project which is to be taking part from **15th October 2016 at Kdeyrun Primary School, Pourk District, Siem**

Reap province. There're are two main activities such as Educating the students about the amount of energy needed to operate various electrical appliances such as light bulb, TV and radios by using Bicycle Generator. Additionally, we will be teaching them about the amount of electricity required to light the different types of light bulbs by using Hand Crank Generator. The self-development of the young student will be also picture drawing competition and the "Planting hope for tomorrow "program by included Plantation 100 of rare types of Khmer Trees such as Korkoh, Beng and Kranoung at the school yard and handed ceremony of school equipment to School Principle of 5 sets of desktop computer plus one black and color printer that will be very beneficiary for School Director Office, Administration Office, library, Technical Support Office and School Consultation of Infant Student Office.

The project has so far been very well on its way to the 5th phase which is being implemented in a remote area within Siem Reap province, Electricity costs in Cambodia are among the highest in the world, and only about 15 percent of the country's 14 million people are connected to the power grid, according to the World Bank.

I found this report that noted in 2003, Cambodia's electricity costs was second only to Japan in the Asian region.

Here in Siem Reap, we pay 820 riels or 20.5 US cents per kilowatt hour. Our monthly bill for a house with a small fridge, TV, computer, hot water heater and fans (we hardly ever use the air-con) is USD65. In Phnom Penh, we paid "foreigner rates" (about 10% higher) of 870 riels or 21.75 US cents per kwh. The good thing about Siem Reap is there does not seem to be a foreigner rate.

Cambodia's industrial electricity rates are also very high, and it is one of the reasons cited by companies who choose to invest in places other than Cambodia. This 2004 article reporting data collated by the Jakarta-based Asean Centre for Energy shows exactly how high Cambodian rates are vis-a-vis other ASEAN countries:

Cambodia - 12.58 to 15.72 US cents per kilowatt hour (kwh).

Myanmar - 8.14 US cents/kwh; set at fixed rate

Singapore - 4.16 to 6.69 US cents per kwh.

Philippines - 3.35 to 10.84 US cents per kwh;

Lao People's Democratic Republic - 3.51 US cents per kwh; set at fixed rate

Thailand - 2.94 to 7.13 US cents per kwh

Brunei Darussalam - 2.88 to 11.54 US cents per kwh

Vietnam - 2.83 to 13.96 US cents per kwh

Malaysia - 2.63 to 10.52 per kwh.

Indonesia - 1.71 to 4.38 US cents per kwh

Project Cooling Cambodia aims to contribute towards mitigation of increasing global temperature through the reduction of electricity consumption in urban households. Our objective is to raise awareness on the impact of excessive use of electricity on raising global temperature and to encourage individuals to adopt positive habits so as to reduce electricity consumption. Our main target will be grade 6 or 7, with students aged between 11 -12 years old in both state school and private school encouraging them to combat the climate change as a global concern of environmental issues.

Cooling Cambodia is one of the projects which promotes awareness of Cambodia IATSS Alumni Association in Cambodia and builds closer relationship amongst all members. It serves as effective mechanism through which Alumni Members could contribute back to Cambodia's society upon their return.

II. Project Mechanism and Publication

The workshop was scheduled three full days which including one day of travel from and to Phnom Penh on the end of the dates, and 2 days of workshop implementation and Team Building.

1. Implementation (CIAA members and Volunteers):

- Presentation and information sharing
- Discussion, interaction and group work
- Outdoor activities (planting trees)
- Team building exercises through group tour and bonding

2. Publication:

To maximize the impacts of building awareness on Energy Savings as well as the activities of CIAA association, we have deployed a number of tools in order to publicize the activities such as CIAA's Social Media such as Facebook and Website, through volunteers, and CIAA Alumni Members.

III. Results

1. Successful inspiration on Energy Savings

The Project Cooling Cambodia, Phase 5, has been successfully implemented in Kdey Run Primary School, Siem Reap Province with the number of students participated up to more than 150 students from grade 4 and 5. Through interactive workshop, students have learnt about:

- Importance of energy and how saving energy can save our environment
- Natural resources such as sunlights which can be used in household instead of energy
- Experimentation on producing energy through energy bikes which shows students how difficult it is to produce energy

- Practical activities which can help save energy in students' houses
- Importance of planting trees to save the earth

2. CIAA's Community Engagement

Cooling project has engaged not only CIAA's Alumni Members but also local organizations. Various sponsors including IATSS Forum, Japan, Cambodia-Japan Cooperation Centre (CJCC), FasTrackids Co., Ltd. Cambodia, Sambat Finance, Hattha Kaksekar Limited have heartedly supported this project through their finances, gifts and staff who actively involved in the project's implementation. CIAA also has engaged with a number of volunteers from different organizations including Paññāsāstra University of Cambodia, Vitoria Hotel Siem Reap, and two other alumni of IATSS from Malaysia. CIAA also has worked closely with school director, teachers and parents in Kdey Run District, Siem Reap, which as a result has produced a successful outcome.

IV. Project's Budgeting

The total cost is US 2,841.450 (Two Thousand and Eight Hundred and Forty One and 50 cents US Dollars). Please see the cost breakdown below. The cost is to be met by the projects and IATSS Forum, Japan under the agreed funded sharing arrangements.

No	Description	Qty	Unit Price	Total Amount	Remarks
Printing & Stationeries					
1	T-shirts printing (150 T-shirts)	150	\$ 2.70	\$ 405.00	
2	PVC banners	1	\$ 41.60	\$ 41.60	1: 300x 100=\$9.6; 1: 400x 250=\$32
3	Notebook printing	300	\$ 0.71	\$ 213.00	
4	Certificates printing and stationeries			\$ 55.00	
Materials, parts and installation					
5	Bicycles for best students	3	\$ 35.00	\$ 105.00	
6	Fan DC 3T	1	\$ 9.00	\$ 9.00	For installation with bicycle
7	TV LBD 19 Samsung	1	\$ 70.00	\$ 70.00	For installation with bicycle
8	Dinamo and spare part			\$ 55.00	Refer to the invoice
9	Pay for technician for set up TV, fan and other spare part			\$ 134.00	
Meal & Drink					

10	Meeting Dinner@ Joma			\$ 81.10	Refer to the receipt
11	Pure Drinking Water			\$ 22.50	PaduaVanta 330 ml
12	Fruit Juice	1	\$ 8.50	\$ 8.50	Yoes
13	Coca Cola	1	\$ 7.60	\$ 7.60	1 box of coke
14	Green tea			\$ 10.00	
15	Breakfast (bread, hotdog, etc.)			\$ 16.64	
16	Lunch on 14 Oct 2016			\$ 54.81	In Kampong Thom province
17	Dinner on 14 Oct 2016			\$ 96.00	
18	Metfone simcard + top up \$5			\$ 7.00	To live on Facebook
19	Lunch, stage installation and sound system			\$ 167.50	
20	Dinner on 15 Oct 2016			\$ 113.00	
21	Lunch on 16 Oct 2016			\$ 50.50	
22	Buy pure drinking water			\$ 7.83	
Accommodation & Transportation					
23	Hotel room and drinking water for 15 and 16 Oct 2016			\$ 664.20	11 rooms for 2 night
24	Bus rental fee			\$ 400.00	For the whole trip Phnom Penh-Siem Reap-Phnom Penh (14 - 16 Oct 2016)
25	Pay for transportation (tuk tuk) for transporting materials for the preparation of PCC			\$ 15.00	
26	Renting a pick up car for transporting equipment and materials from main road to the school			\$ 28.00	poor road condition thus the bus could not entered
27	Pay for Transport from restaurant to the bus			\$ 3.67	Heavy Raining
Media					
28	Posting PCC activities on Rasmey Kampuchea Daily			\$ 20.00	
Total				\$ 2,841.45	

IV. Acknowledgement

1. Sponsors

CIAA appreciates the strong supports in both finances and materials from below sponsors. It's a great pleasure for us to see the great contributions these organizations, companies have given to Cambodia's society through our projects.

Sponsors	Amount	Remarks
IATSS Forum	\$ 800.00	Total project sponsorship is \$1,750 for 2 times project. First CIAA withdrawn only \$800 for the project running
H.E. VENG Sereyvuth, PUC	\$ 50.00	Another \$50 for supporting poor student at CJCC
Fas Trac Kids	\$ 500.00	
Sambath Finance	\$ 200.00	
CJCC	\$ 200.00	
Hatha Kaksekar Limited (HKL)	\$ 200.00	
CIAA's member- Hang Chuonnarita	\$ 50.00	
CIAA's member-Sim Kimhieng	\$ 20.00	
CIAA's member-Nhean Monivann	\$ 10.00	
CIAA's member-Ty Makararavy	\$ 50.00	
CIAA's member-Lay Sotheary	\$ 55.00	For certificates printing and stationeries
CIAA's member-Vann Bonida	\$ 20.00	
CIAA's member-Khem Sokuntheary	\$ 20.00	
Fas Trac Kids	\$ 50.00	For lunch at school on 15/10/2016
Reserved use fund of CIAA	\$ 636.45	
Total	\$ 2,861.45	

2. Strong supports of Kdey Run Primary School

CIAA appreciates very well cooperation of school director, teacher and students of Kdey Run Primary School, Siem Reap in the project preparations and implementation. We also pay our gratitude towards parents and elderly who have prepared food and beverage for our project's team. Without these great supports, it's impossible for us to have such successful outcome.

3. Active Alumni and Volunteers

To ensure the meeting is conducted successfully while achieving the agreed objectives and delivering the intended outputs, an Organizing Team is created to provide secretarial and logistical support to implement the Workshop. CIAA greatly appreciates their hard-work and commitment in making Project Cooling Cambodia, Phase 5 such a success. CIAA's members, and volunteers from different local organizations include:

- Ms. LAY Sotheany, President of Cambodia IATSS Alumni Association (CIAA), mandate June 2014 – December 2016, Chair
- Ms. VANN Bonida, Treasurer, Cambodia IATSS Alumni Association (CIAA), mandate June 2014 – December 2016 – Vice Chair
- Mr. SY Vanna, Communication Manager, Cambodia IATSS Alumni Association (CIAA), mandate June 2015 – December 2016 – Member
- Ms. VON Sreymao (Lydia-san), Communication Officer, Cambodia IATSS Alumni Association (CIAA), mandate June 2015 – December 2016 – Member
- Ms. KHEM Sokuntheary (Theary-san), Cambodia IATSS Alumni Association (CIAA) – Member
- Ms. TUY Sophorn, Accommodation Coordinator, Volunteer form Passnastra University of Cambodia (PUC)
- Ms. SENG Chetra, Food and Beverage Coordinator, Volunteer form Passnastra University of Cambodia (PUC)
- Ms SOK Ratanak, Local guide, Volunteer from Victoria Hotel Siem Reap (VHS).
- Mr. SANN Kimchhan, Team Leader of Technical, Volunteer form Passnastra University of Cambodia
- Mr. MOUN Chamnan, Team Leader of photography and page developer, Volunteer form Cambodia-Japan Cooperation Centre (CjCC).
- Mr. Johnny Yap, Chief Editor, IATSS Malaysian Alumni.
- Ms. Jo Ong, Assistant Chief Editor, IATSS Malaysian Alumni.
- And other volunteers from Vitoria Hotel in Siem Reap.

V. Conclusion

The Project Cooling Cambodia has received very strong supports from CIAA's members amongst whom has spent their time traveling to the project site, and others who could not make it to Siem Reap have helped in any mean they can including donating some case to support the project, helping with preparation, and seeking sponsors. There was also impressive involvement of Volunteers from sponsored organizations, and some local organizations in Siem Reap. They have made the implementation stage an exciting and challenging moment for heads of village, school directors, teachers, parents and students. Without each and everyone's best efforts, this project is not possible.

Even though Cooling Project Cambodia, Phase 5, has been completed successfully with expected outcomes, there were some circumstances which have been responded very well by project's team.

- ❖ Problem1: The road to the school was in bad condition. It was narrowed and there were many big holes that do not allow safety for big bus.
- ❖ Response: Project's team has checked the road condition ahead of the implementation day. The team has made different arrangement on transportation from national road to the school.

There are also few points to be improved for the next Phase:

- Road condition should be checked a head before choosing transportation type, for example renting smaller bus which can accommodate the road condition instead of the big one.
- Onsite volunteers should be briefed clearly on their duties, group number and expected overall picture of the whole workshop.
- Number of students should be confirmed from School Director to avoid insufficient supplies such as T-shirts, and gift packs.



VI. Appendices



The workshop



The Workshop



Certificate and Rewards



Team Building Activities



