



WATER RESILLIENCE CHALLENGE 2023

WATER WARRIOR FLOATER



TEAM

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Proposal Framework

MAXIMUM 3 PAGES

I. THE BIG IDEA

1. Project background and context

- **Project location:**

In Cambodia, Tonle Sap River, we've selected a particular location situated in **Siem Reap known as the Chong Kneas community**. We selected this location for our study and plan implementation because it is a prime spot for natural tourism situated on the banks of the Tonle Sap in **Chong Kneas**, Siem Reap following the riverbank until Siem Reap river.

- **Main beneficiary:** We divided our beneficiary into 2 types of beneficiaries which consist of primary and secondary.

Primary Beneficiary, will include the communities living along the Chong Kneas floating village, where they will be receiving a better and healthier environment that could alleviate their quality of living, that's also include the increasing of their income by gathering the plastic waste that flow to the edge of the river and other recyclable materials.

Our **Secondary Beneficiary**, will include the engagement in helping Cambodia to increase their revenue stream in **Tourism** by gain more traction from them.

- **Problem Statement:**

According to the study conducted between March and June 2023, Tonle Sap Lake **annual waste has reached 125 tons at Kampong Chhnang Province, 331 tons at Pursat Province, and 316 tons at Siem Reap Province** and all of that is mostly from food waste that had a very big impact on the environment, especially the major threat of biodiversity of the river.

1. Project Objectives

- **Vision statement:**

Our vision is to help the community to live in a better environment without trash polluted everywhere, and alleviate their living quality to a better phase environmentally and financially.

- **Clearly defined and measurable goals:**

Our measurable goals are divided into 2 terms:

- **Short-Term Goal:** Within 6 weeks of, we aim to advocate and implement our river floating system into Chong Kneas river and expected to collect a trash 80% from that area.
- **Long-term Goal:** In next one year, we aim to develop and expand our milestone from each river bank until Siem Reap river so that we could reach to collect amount of trash x6 times than before.

3. Project approach and methods

- We able address the problem by using the data analyzing and majority of testimonial from local people throughout their interview how trash directly impact their health.

Our approach is to implant the floaters on the Tonle Sap River located in Chong Kneas Village. With our floaters, we're able to gather trash before it flows into the river banks that could avoid the trash bridge since it's connected to the tourists area.

- Our methods of incorporate digital into our project will consist by:

Digital campaign of our project, which will include our social platforms, including a Facebook page that could provide information about our goal, achievement, call for project funding, and joining as our team since our project is mostly based on product base.

4. Project Impacts:

Upon project completion, the expected outcomes would be:

- After each implementing campaign, we will measure the amount of trash that we had collected and divide it into the categories in for recycling,
- Additionally, student and adult from the area would be able to identify a usable of trash and producing the eco material to help both of environment and living condition.

2. THE PILOT

1. The Pilot Project and Timeline

Giving off a six-week (March – April) small-scale implementation, our primary goals and objective is that we will introduce and showcase the effectiveness of the floater machine that our team has to the Cambodian community. As well as, we will collaborate with our supplier to produce our product.

Week 1 (starting from 2nd March): Team and Community Engagement

- Discuss the project, problem solution with the community and plan the campaign with the community in the targeted area and proposal planning
- Meeting and work on the training materials in order to educate the community with the floater machine concept and addressing problem to the community
- Finding effective speaker, community leaders, government and environmental expert in order to address the people in the community with the problem statement and solution

Week 2: Take into action

- Prepare the training materials and list down all the project scope in order to educate the community
- Working with the suppliers in order to get the product done
- Reach out to the company for fund by we the water warrior team will pitch our project idea to them

Week 3: Training and Implementation of the plan

- Conduct the training according to the plan and following the training material that had prepare
- Provide the community not only education but also we teach them on how to do it take it in action and show them the purpose of our project
- Hand on the material that is needed for the waste separation and proper waste practice.

Week 4: Product development

- Working with the supplier on the product that we had make a discussion with them
- Follow up on the production process and testimonial on the product and keep on revising
- Produce a mock up prototype and video to show the community about our product

Week 5: Product testing and monitoring

- Testing the product in real time to see if it work smoothly
- Assign people to standby and monitor on the site for the first week

Week 6: Measure the outcome

- Last week of the project will measure the outcome and impact of our product and campaign activity throughout the actual trash we collect and the awareness of our project.

- Define the scope and the objectives of your pilot project
 - In- scope:
 - Trash Collection and Recycling: this may only involve in specific and area of Chong Kneas river only while we collect with our product that has implement and recycling workshop
 - Awareness Campaign: Targeting high school student and local community which is our main beneficiary while we need to hiring and inviting some experts
 - Out-scope:
 - Long-term monitoring and evaluation: as in long term, the scope of project is increasing the monitoring and evaluation method is needed to be change while we need to more man power and resource.

3. Stakeholder Mapping

Stakeholder(s)	Impact
Community	The direct water pollution that the water is clean is start from the people in the community
NGOs	Engagement with the community and government policy
Companies	Companies that act as our supplier in providing the materials in developing the floaters as well as ensure the quality of the floaters.
School	Our targeted school, where we will engage to spread the awareness of the river trash as well as our project information.
Sponsors	UNESCO, will be our project funder from the water resilience challenges

4. Budget Plan

Description	Cost per unit	Number of Units	Total Cost
Prodcut			
Raw Material (wax, biopolimers, metal, net...) 1 set	40\$	15	600\$
Underwater GPS	15\$	2	30\$
Site Visit and Pilot Project			
Transportation	70\$	2	140\$
Logistics (Training materials, supplemental spending,..)	20\$	1	20\$
Food	5\$	10	50\$
Accomondation	20\$	3	60\$
Total			900\$